

Domal Slide C160 MT
Scorrevoli



CONSIGLI PRATICI PER:

- LAVORAZIONE
- PROTEZIONE
- PULIZIA
- MANUTENZIONE

DELL' ALLUMINIO VERNICIATO ED OSSIDATO

1. **IMBALLAGGIO.** Impiegare la giusta protezione, evitando di esporre il profilo protetto direttamente ai raggi solari. In ogni caso il prodotto impiegato per eventuali reimpballi deve essere compatibile con la verniciatura o con l'ossidazione ed occorre seguire le istruzioni del fornitore.
2. **LAVORAZIONE.** Durante tutte le fasi di lavorazione manovrare i profilati con estrema delicatezza ed accertarsi che l'ambiente di lavoro sia pulito. Usare la massima cura nella movimentazione dei pezzi. Evitare il contatto con scorie o residui di limature delle lavorazioni precedenti.
3. **ATTREZZATURE.** Accertarsi che i macchinari e gli utensili siano sempre efficienti ed adatti al compito da svolgere, in particolare le lame e le troncatrici. Per il raffreddamento degli utensili evitare prodotti che possono intaccare la colorazione dei profilati e pregiudicarne la qualità.
4. **SIGILLATURA.** Sigillare accuratamente con prodotti idonei tutti i tagli e/o fori di lavorazione del serramento, bloccando ogni zona soggetta ad infiltrazione. Accertarsi sempre che ci sia un corretto drenaggio all'interno dello scatolato del serramento.
5. **ACCESSORI.** Utilizzare esclusivamente accessoristica di ottima qualità. La viteria deve sempre essere in materiale adatto e, possibilmente, isolato. Ricordare sempre che tutto ciò che non è alluminio, ma è in contatto con quest'ultimo, può creare problemi di corrosione. Evitare l'uso delle squadrette in ferro non opportunamente trattate.
6. **LUBRIFICANTI.** Eseguire con particolare attenzione ed appositi olii la lubrificazione dell'accessoristica.
7. **POSA IN OPERA.** La buona norma richiede sempre di installare per ultimo il serramento in alluminio, evitando in questo modo possibili inconvenienti dovuti al contatto con sostanze presenti in cantiere che possono danneggiare le superfici verniciate o anodizzate.
8. **MANUTENZIONE E PULIZIA.** Per mantenere il più possibile inalterate nel tempo le superfici anodizzate o verniciate, è necessario che le stesse vengano opportunamente pulite con prodotti appositi.

In ogni caso si raccomanda vivamente di:

- Pulire le superfici quando non sono esposte a fonti di calore diretto, ad esempio i raggi solari.
- Usare per la pulizia una spugna o un panno bagnato con l'apposito detergente.
- Il detergente deve essere: neutro, non abrasivo, non a base di ammoniaca, non a base di cloro (ad esempio candeggina).
- Le parti meccaniche debbono essere: pulite ed oliate tramite spray al silicone oppure al teflon e controllate anche a livello di usura.

La Sapa Building Systems S.P.A. fornisce prodotti con finiture garantite dai marchi QUALANOD e QUALICOAT

CONTENUTO

| | |
|-------------------|---|
| Prima pagina..... | 0 |
| Contenuto..... | 1 |
| Indice..... | 5 |

A INFORMAZIONI SISTEMA

| | |
|-----------------------------------|-------|
| 2-binari..... | A.1.1 |
| 3-binari..... | A.2.1 |
| Tagli 90°..... | A.3.1 |
| 1-binario..... | A.4.1 |
| 1-binario - Soglia ribassata..... | A.5.1 |
| Opzioni termiche..... | A.6.1 |
| Direttive generali..... | A.7.1 |
| Risultati dei test..... | A.8.1 |

B PROFILATI SISTEMA

| | |
|------------------------------|-------|
| Lista dei simboli..... | B.0.1 |
| Lista profilati..... | B.1.1 |
| Telaio..... | B.2.1 |
| Anta..... | B.3.1 |
| Rinforzo..... | B.4.1 |
| Profilati cartelline..... | B.5.1 |
| Profilati gocciolatoi..... | B.6.1 |
| Profilati guida..... | B.7.1 |
| Profilati complementari..... | B.8.1 |
| Momento di inerzia..... | B.9.1 |

C PROFILATI VARI

| | |
|---------------------------------------|-------|
| Finestre - Profilati di finitura..... | C.1.1 |
|---------------------------------------|-------|

D VETRATURA

| | |
|---------------------------|-------|
| Tabella vetratura..... | D.1.1 |
| Vetratura con RU0004..... | D.1.1 |
| Vetratura con RU0002..... | D.1.2 |
| Fermavetro..... | D.2.1 |
| Accessori..... | D.2.2 |

E ACCESSORI

| | |
|--|-------|
| Squadrette - Squadrette con spine coniche..... | E.1.1 |
| Squadrette - Squadrette con eccentrico..... | E.1.2 |
| Squadrette - Accessori per squadrette..... | E.2.1 |
| Squadrette - Squadrette di allineamento..... | E.2.2 |
| Guarnizioni - Finestre..... | E.3.1 |
| Guarnizioni - Varie..... | E.3.3 |
| Guarnizioni - Guarnizioni di sistema..... | E.3.4 |
| Accessori - Finestre..... | E.4.1 |
| Accessori - Varie..... | E.4.3 |
| Accessori - Accessori di sistema..... | E.4.4 |
| Viti..... | E.5.1 |

F SELEZIONE FERRAMENTA

| | |
|---|-------|
| Panoramica..... | F.1.1 |
| Alzante-scorrevole..... | F.1.2 |
| Maniglie standard..... | F.1.2 |
| Maniglie S-Line (Harmony)..... | F.1.3 |
| Hv = 1303 - 1903..... | F.1.4 |
| Hv = 1904 - 2803..... | F.1.5 |
| Hv = 2804 - 3403..... | F.1.6 |
| Angolo galleggiante..... | F.1.7 |
| Alzante-scorrevole - Schema 4 ante..... | F.1.8 |
| Pezzi supplementari..... | F.1.8 |
| Lista articoli ferramenta..... | F.2.1 |

G ATTREZZATURE

| | |
|------------------------------------|-------|
| Lavorazione - D5110000..... | G.1.1 |
| Dime lavorazioni - Panoramica..... | G.2.1 |
| Dime lavorazioni - TG4116..... | G.2.2 |

H NODI

| | |
|--|--------|
| Nodi - Panoramica..... | H.0.1 |
| Nodi..... | H.1.1 |
| Alzante-scorrevole C9V001-C9K020 - Superiore destro..... | H.1.1 |
| Alzante-scorrevole C9V001-C9K020 - Inferiore destro..... | H.1.1 |
| Alzante-scorrevole C9V001-C9K020 - Sinistro..... | H.1.2 |
| Alzante-scorrevole C9V001-C9K020 - Destro..... | H.1.3 |
| Alzante-scorrevole C9V001-C9K020 - Centrale..... | H.1.4 |
| Alzante-scorrevole C9V001-C9K120/C9K121 - Superiore destro..... | H.1.6 |
| Alzante-scorrevole C9V001-C9K120/C9K121 - Inferiore destro..... | H.1.6 |
| Alzante-scorrevole C9V001-C9K120/C9K121 - Sinistro..... | H.1.7 |
| Alzante-scorrevole C9V001-C9K120/C9K121 - Destro..... | H.1.8 |
| Alzante-scorrevole C9V001-C9K120/C9K121 - Inferiore destro..... | H.1.9 |
| Alzante-scorrevole C9V001-C9K030 - Superiore destro..... | H.1.10 |
| Alzante-scorrevole C9V001-C9K030 - Sinistro..... | H.1.11 |
| Alzante-scorrevole C9V001-C9K030 - Destro..... | H.1.12 |
| Alzante-scorrevole C9V001-C9K030 - Centrale..... | H.1.13 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Superiore sinistro..... | H.1.15 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Inferiore Superiore..... | H.1.15 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Superiore destro..... | H.1.16 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Inferiore destro..... | H.1.16 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Sinistro..... | H.1.17 |
| Alzante-scorrevole-anta fissa C9V001-C9K020 - Destro..... | H.1.18 |
| Fisso-alzante-scorrevole-fisso C9V001-C9K020 - Superiore..... | H.1.19 |
| Fisso-alzante-scorrevole-fisso C9V001-C9K020 - Centrale..... | H.1.20 |
| Rinforzo interno - 1 anta..... | H.1.21 |
| Rinforzo interno - 2 ante..... | H.1.22 |

I DISTINTE DI TAGLIO

J FERRAMENTA & DISEGNI

ASSEMBLAGGIO

| | | | |
|---|--------------|--|--|
| Direttive generali..... | J.1.1 | | |
| Assemblaggio generale - e specifiche di montaggio in officina ... | | | |
| J.1.1 | | | |
| Drenaggio "lato bagnato"..... | J.1.4 | | |
| 2-binari telaio tagli 45° | J.2.1 | | |
| Panoramica assemblaggio..... | J.2.2 | | |
| Contenuto..... | J.2.3 | | |
| Operazioni C9K020 + KU2028 e assemblaggio BT6006..... | J.2.4 | | |
| Lavorazione squadrette per C9K020..... | J.2.5 | | |
| Operazioni C9K020 per cappetta di drenaggio..... | J.2.6 | | |
| C9K020 + KU2028 panoramica drenaggi..... | J.2.7 | | |
| C9K020 lavorazione drenaggio - J (optional 1/2)..... | J.2.8 | | |
| C9K020 lavorazione drenaggio - J (optional 2/2)..... | J.2.9 | | |
| C9K020 lavorazione drenaggio - H..... | J.2.10 | | |
| C9K020 lavorazione drenaggio - B..... | J.2.11 | | |
| C9K020 lavorazione drenaggio - A..... | J.2.12 | | |
| C9K020 lavorazione drenaggio - G..... | J.2.13 | | |
| C9K020 lavorazione drenaggio - M..... | J.2.14 | | |
| KU2028 lavorazione drenaggio - K1..... | J.2.15 | | |
| KU2028 lavorazione drenaggio - K2..... | J.2.16 | | |
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore C9K020..... | J.2.17 | | |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K020..... | J.2.18 | | |
| Sigillatura profilato inferiore C9K020 con VS9950 e VS9951..... | J.2.20 | | |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K020..... | J.2.21 | | |
| Assemblaggio punti di chiusura - ZB0034/ZB0035/ZB0036..... | J.2.22 | | |
| Assemblaggio profilati telai con squadrette..... | J.2.23 | | |
| Assemblaggio cappetta di drenaggio C9A003..... | J.2.26 | | |
| Operazioni C9A004 + VS2404..... | J.2.27 | | |
| Assemblaggio C9A004 + VS2404..... | J.2.28 | | |
| Assemblaggio C9A004 + VS2404 - optional..... | J.2.29 | | |
| Assemblaggio CO1103..... | J.2.30 | | |
| Assemblaggio CO1103 con 1 anta funzionale..... | J.2.31 | | |
| Assemblaggio CO1103 e ZB0038 per schema 4 ante..... | J.2.32 | | |
| Assemblaggio punti di chiusura..... | J.2.33 | | |
| Assemblaggio guarnizione di finitura RU9704..... | J.2.34 | | |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K020..... | J.2.35 | | |
| 2-binari telaio tagli 90° | J.3.1 | | |
| Panoramica assemblaggio..... | J.3.2 | | |
| Contenuto..... | J.3.3 | | |
| Operazioni C9K121 e assemblaggio BT6019..... | J.3.4 | | |
| Operazioni C9K121 per assemblaggio telaio..... | J.3.5 | | |
| Operazioni C9K120 + KU2028 e assemblaggio BT6006..... | J.3.6 | | |
| Operazioni C9K120 per cappetta di drenaggio..... | J.3.7 | | |
| C9K120 e KU2028 panoramica drenaggi..... | J.3.8 | | |
| C9K120 lavorazione drenaggio - J (optional 1/2)..... | J.3.9 | | |
| C9K120 lavorazione drenaggio - H..... | J.3.11 | | |
| C9K120 lavorazione drenaggio - B..... | J.3.12 | | |
| C9K120 lavorazione drenaggio - A..... | J.3.13 | | |
| C9K120 lavorazione drenaggio - G..... | J.3.14 | | |
| C9K120 lavorazione drenaggio - M..... | J.3.15 | | |
| KU2028 lavorazione drenaggio - K1..... | J.3.16 | | |
| KU2028 lavorazione drenaggio - K2..... | J.3.17 | | |
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore C9K120..... | J.3.18 | | |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K120..... | J.3.19 | | |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K120..... | J.3.21 | | |
| Assemblaggio cappetta di drenaggio C9A003..... | J.3.22 | | |
| Operazioni C9A004..... | J.3.23 | | |
| Assemblaggio C9A004..... | J.3.24 | | |
| Assemblaggio CO0132 e VS9957 su C9K121..... | J.3.25 | | |
| Assemblaggio VS9999 su C9K121 e assemblaggio telaio..... | J.3.26 | | |
| Sigillatura C9A004..... | J.3.27 | | |
| Assemblaggio punti di chiusura (ZB0034/ZB0035/ZB0036)..... | J.3.28 | | |
| Assemblaggio RU9704..... | J.3.29 | | |
| Assemblaggio C9A100..... | J.3.30 | | |
| Assemblaggio KU2035..... | J.3.31 | | |
| Assemblaggio CO1103..... | J.3.32 | | |
| Assemblaggio CO1103 con 1 anta funzionale..... | J.3.33 | | |
| Assemblaggio CO1103 e ZB0038 per schema 4 ante..... | J.3.34 | | |
| Assemblaggio punti di chiusura..... | J.3.35 | | |
| Assemblaggio guarnizione di finitura RU9704..... | J.3.36 | | |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K120..... | J.3.37 | | |
| 3-binari telaio tagli 45° | J.4.1 | | |
| Panoramica assemblaggio..... | J.4.2 | | |
| Contenuto..... | J.4.3 | | |
| Operazioni C9K030 + KU2028 e assemblaggio BT6006..... | J.4.4 | | |
| Operazioni squadrette per C9K030..... | J.4.5 | | |
| Operazioni C9K030 per cappetta di drenaggio C9A003..... | J.4.7 | | |
| C9K030 panoramica drenaggi..... | J.4.8 | | |
| KU2028 panoramica drenaggi..... | J.4.9 | | |
| C9K030 lavorazione drenaggio - J..... | J.4.10 | | |
| C9K030 lavorazione drenaggio - H1, H2..... | J.4.11 | | |
| C9K030 lavorazione drenaggio - B, D..... | J.4.12 | | |
| C9K030 lavorazione drenaggio - A, C..... | J.4.13 | | |
| C9K030 lavorazione drenaggio - G..... | J.4.14 | | |
| C9K030 lavorazione drenaggio - M..... | J.4.15 | | |
| KU2028 lavorazione drenaggio - K1, K2..... | J.4.16 | | |
| KU2028 lavorazione drenaggio - K3..... | J.4.17 | | |
| KU2028 lavorazione drenaggio - K4..... | J.4.18 | | |
| KU2028 lavorazione drenaggio - K5..... | J.4.19 | | |
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore C9K030..... | J.4.20 | | |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K030..... | J.4.21 | | |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K030..... | J.4.22 | | |
| Sigillatura profilato inferiore C9K030 con VS9950/VS9951/VS9964 e VS9965..... | J.4.23 | | |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K030..... | J.4.24 | | |
| Assemblaggio profilati telai con squadrette..... | J.4.27 | | |
| Assemblaggio cappetta di drenaggio C9A003..... | J.4.30 | | |
| Operazioni C9A004 + VS2404..... | J.4.31 | | |
| Assemblaggio C9A004 + VS2404..... | J.4.32 | | |
| Assemblaggio C9A004 + VS2404 - optional..... | J.4.33 | | |
| Assemblaggio CO1103..... | J.4.34 | | |
| Assemblaggio CO1103 per fisso-scorrevole-fisso..... | J.4.35 | | |
| Assemblaggio CO1103 e ZB0038 per schema 4 ante..... | J.4.36 | | |
| Assemblaggio punti di chiusura..... | J.4.37 | | |
| Assemblaggio guarnizione di finitura RU9704..... | J.4.38 | | |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K030..... | J.4.39 | | |
| 2-binari fisso-alzante-scorrevole-fisso tagli 45° | J.5.1 | | |
| Panoramica assemblaggio..... | J.5.2 | | |
| Contenuto..... | J.5.3 | | |
| Operazioni C9K020 + KU2028 e assemblaggio BT6006..... | J.5.4 | | |
| Lavorazione squadrette per C9K020..... | J.5.5 | | |
| Operazioni cappetta di drenaggio..... | J.5.6 | | |
| C9K020 + KU2028 panoramica drenaggi..... | J.5.7 | | |
| C9K020 lavorazione drenaggio - J (optional 1/2)..... | J.5.8 | | |
| C9K020 lavorazione drenaggio - J (optional 2/2)..... | J.5.9 | | |
| C9K020 lavorazione drenaggio - H..... | J.5.10 | | |
| C9K020 lavorazione drenaggio - B..... | J.5.11 | | |
| C9K020 lavorazione drenaggio - A..... | J.5.12 | | |
| C9K020 lavorazione drenaggio - G..... | J.5.13 | | |
| C9K020 lavorazione drenaggio - M..... | J.5.14 | | |
| KU2028 lavorazione drenaggio - K1..... | J.5.15 | | |
| KU2028 lavorazione drenaggio - K2..... | J.5.16 | | |
| KU2028 lavorazione drenaggio - K3..... | J.5.17 | | |

CONTENUTO

| | | | |
|---|--------------|---|---------------|
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore | J.5.18 | Contenuto | J.8.1 |
| Assemblaggio tappo centrale CO1105 profilato inferiore | J.5.19 | Ferramenta alzante-scorrevole panoramica | J.8.2 |
| Sigillatura profilato inferiore C9K020 con VS9950 e VS9951 | J.5.21 | Assemblaggio CO2206 | J.8.3 |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K020 | J.5.22 | Preparazione ZB0033/ZB0034/ZB0035/ZB0036 | J.8.4 |
| Assemblaggio profilati telai con squadrette | J.5.23 | Preparazione chiusura meccanismo alzante-scorrevole | J.8.5 |
| Assemblaggio cappetta di drenaggio C9A003 | J.5.26 | Installazione ZB0033/ZB0034/ZB0035/ZB0036 - no maniglia esterna opzioni | J.8.6 |
| Preparazione C9A004 + VS2404 | J.5.27 | Assemblaggio ZB0053/ZB0054 - optional | J.8.7 |
| Assemblaggio C9A004 + VS2404 | J.5.28 | Preparazione ZB0046 | J.8.8 |
| Assemblaggio C9A004 + VS2404 cover - optional | J.5.29 | Assemblaggio ZB0035/ZB0036 con ZB0046 | J.8.9 |
| Assemblaggio CO11103 e ZB0038 | J.5.30 | Assemblaggio ZB0035/ZB0036/ZB0046 con ZB0048 e ZB0049/ZB0050 | J.8.10 |
| Assemblaggio guarnizione di finitura RU9704 | J.5.31 | Assemblaggio ZB0048 con ZB0049/ZB0050 | J.8.11 |
| Assemblaggio tappo centrale CO1105 profilato inferiore | J.5.32 | Assemblaggio ZB0035/ZB0036/ZB0046 con ZB0048 | J.8.12 |
| Preparazione ante | J.6.1 | Installazione chiusura meccanismo alzante-scorrevole | J.8.13 |
| Panoramica assemblaggio | J.6.1 | Installazione chiusura meccanismo alzante-scorrevole - anta passiva schema 4 ante | J.8.15 |
| Contenuto | J.6.2 | Rinforzo anta - optional | J.9.1 |
| Taglio profilati anta e installazione BT6000 | J.6.3 | Contenuto | J.9.1 |
| Lavorazione squadrette profilati ante | J.6.4 | Installazione blocco supporto VS5132 e RU9094 | J.9.2 |
| Lavorazione del C9V051 profilato anta effetto 'bi-metal' | J.6.6 | Installazione C9C001 | J.9.3 |
| Lavorazione drenaggio profilata anta | J.6.7 | Lato ferramenta alzante-scorrevole - Installazione RU9094 | J.9.4 |
| Panoramica lavorazione paracolpi su profilato anta | J.6.8 | Lato ferramenta alzante-scorrevole - preparazione C9C001 | J.9.5 |
| Lavorazione paracolpi su profilato anta | J.6.9 | Lato ferramenta alzante-scorrevole - Installazione C9C001 | J.9.6 |
| Lavorazione profilato anta per tappo 1/2 | J.6.10 | Assemblaggio accessori anta | J.10.1 |
| Lavorazione profilato anta per ferramenta alzante-scorrevole - panoramica | J.6.11 | Contenuto | J.10.1 |
| Lavorazione profilato anta per ferramenta alzante-scorrevole - panoramica | J.6.14 | Assemblaggio distanziale VS5131 | J.10.2 |
| Lavorazione profilato anta per ferramenta alzante-scorrevole | J.6.16 | Lavorazione profilato anta inserimento tappo terminali | J.10.3 |
| Installazione guranizione RU0099 per alzante-scorrevole | J.6.20 | Anta standard - installazione VS9149 e RU9094 | J.10.4 |
| Installazione guranizione RU0099 per alzante-scorrevole - 3-binari | J.6.21 | Anta standard - preparazione labirinto | J.10.5 |
| Assemblaggio profilato anta con squadrette | J.6.23 | Anta standard - assemblaggio labirinto | J.10.6 |
| Assemblaggio ferramenta anta | J.7.1 | Anta standard - installazione BT6013 e C9A001/C9A002 | J.10.7 |
| Contenuto | J.7.1 | 3-binari alzante-scorrevole lato ferramenta - assemblaggio VS9149 e RU9094 | J.10.8 |
| Ferramenta alzante-scorrevole - panoramica | J.7.2 | 3-binari alzante-scorrevole lato ferramenta - preparazione labirinto | J.10.9 |
| Preparazione carrelli alzante-scorrevole | J.7.3 | 3-binari alzante-scorrevole lato ferramenta - assemblaggio labirinto | J.10.10 |
| Preparazione carrelli alzante-scorrevole (300 - 400 kg) | J.7.5 | 3-binari alzante-scorrevole lato ferramenta - assemblaggio C9A001/C9A002 | J.10.11 |
| Preparazione ZB0033/ZB0034/ZB0035/ZB0036 | J.7.12 | Fisso-alzante-scorrevole-fissoi lato ferramenta - VS9211 e RU9094 | J.10.12 |
| Preparazione ZB0033/ZB0034/ZB0035/ZB0036 - maniglia interna | J.7.13 | Fisso-alzante-scorrevole-fissoi lato ferramenta - labirinto | J.10.13 |
| Assemblaggio ZB0053/ZB0054 - sollevamento servo assistito | J.7.14 | Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio labirinto | J.10.14 |
| Preparazione ZB0046 | J.7.15 | Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio C9A007 | J.10.15 |
| Assemblaggio ZB0035/ZB0036 con ZB0046 | J.7.16 | Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio RU9009 | J.10.16 |
| Assemblaggio meccanismo chiusura alzante-scorrevole | J.7.17 | Fisso-alzante-scorrevole-fissoi lato ferramenta | J.10.17 |
| Assemblaggio meccanismo chiusura alzante-scorrevole - anta passiva schema 4 ante | J.7.18 | Anta passiva schema 4 ante - preparazione RU0099 | J.10.22 |
| Installazione maniglia interna standard alzante-scorrevole | J.7.19 | Anta passiva schema 4 ante - preparazione C9C002 | J.10.23 |
| Installazione maniglia interna standard e vaschetta esterna alzante-scorrevole | J.7.20 | Anta passiva schema 4 ante - installazione tappo sigillatura inferiore | J.10.26 |
| Installazione maniglia interna standard con mezzo cilindro alzante-scorrevole | J.7.21 | Anta passiva schema 4 ante - Installazione punti di chiusura | J.10.27 |
| Maniglia interna standard con mezzo cilindro e vaschetta alzante-scorrevole | J.7.22 | Anta passiva schema 4 ante - installazione tappo sigillatura superiore | J.10.28 |
| Installazione maniglia standard su due lati con cilindro alzante-scorrevole | J.7.23 | Installazione ante su telai | J.11.1 |
| Installazione maniglia interna S-line Harmony alzante-scorrevole | J.7.24 | Contenuto | J.11.1 |
| Maniglia interna S-line Harmony e vaschetta esterna alzante-scorrevole | J.7.25 | 2-binari | J.11.2 |
| Installazione maniglia interna S-line Harmony con mezzo cilindro alzante-scorrevole | J.7.26 | 3-binari | J.11.3 |
| Maniglia interna S-line Harmony con mezzo cilindro e vaschetta alzante-scorrevole | J.7.27 | Uso standard | J.11.6 |
| Installazione maniglia S-Line Harmony su due lati con cilindro alzante-scorrevole | J.7.28 | Aggiustamenti | J.11.6 |
| Assemblaggio ferramenta anta - RC2 | J.8.1 | Anta fissa scorrevole-fisso - VS5128/VS5129 | J.11.6 |
| | | Anta fissa scorrevole-fisso - assemblaggio VS5128 e BT6015 | J.11.7 |
| | | Anta fissa scorrevole-fisso - fori per guide | J.11.8 |
| | | Scorrevole-fisso - VS5129 e BT6026 | J.11.9 |
| | | Scorrevole-fisso - assemblaggio anta fissa su telai | J.11.10 |

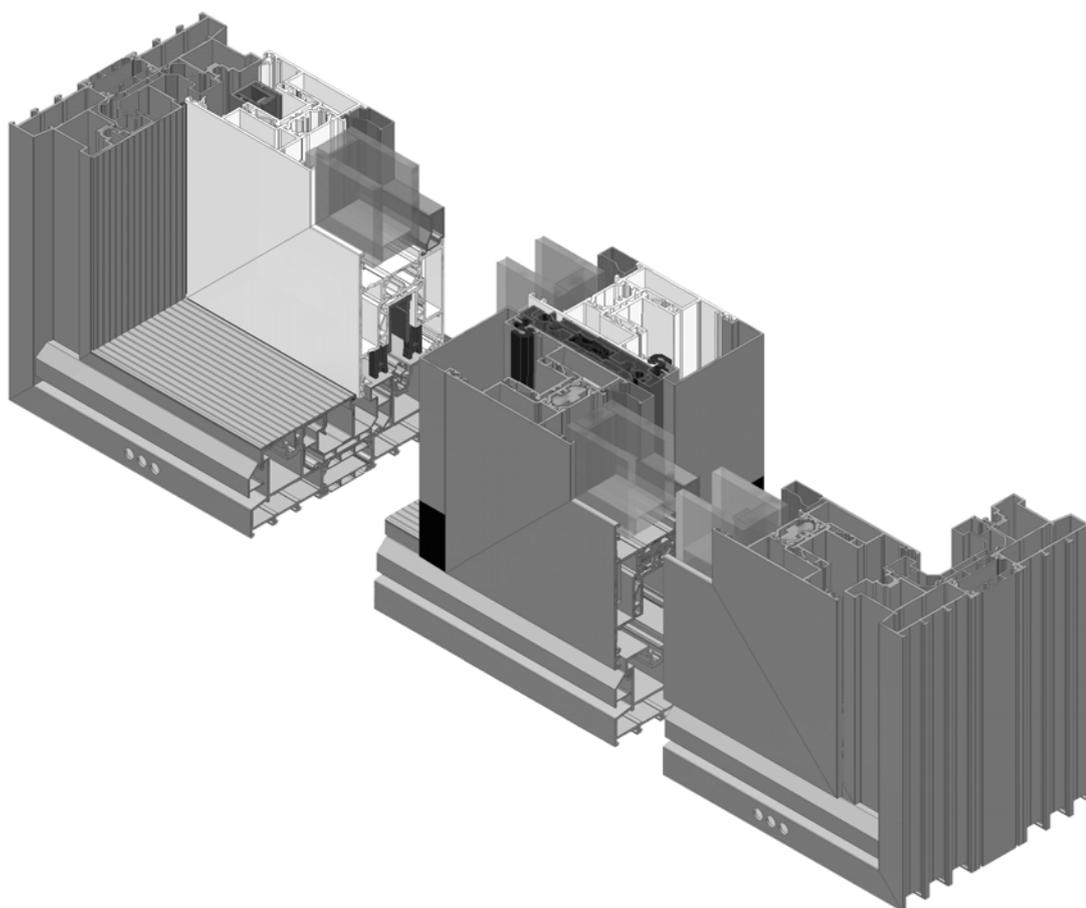
| | |
|--|---------------|
| Scorrevole-fisso - rimozione profilato cartellina..... | J.11.11 |
| Scorrevole-fisso - assemblaggio BT6026 e VS5129 superiore ... | |
| J.11.12 | |
| Scorrevole-fisso - fissaggio con SCZ617..... | J.11.13 |
| Scorrevole-fisso - fissaggio con SCZ617..... | J.11.14 |
| Scorrevole-fisso - base tappo di tenuta e cartellina anta J.11.15 | |
| Scorrevole-fisso - posizionamento anta apribile sul telaio J.11.16 | |
| Assemblaggio tappo di tenuta superiore- 2-binari telai.... | J.11.17 |
| Assemblaggio tappo di tenuta superiore- 3-binari telai.... | J.11.18 |
| Assemblaggio SV9002..... | J.11.19 |
| Operazioni finitura ante..... | J.12.1 |
| Contenuto..... | J.12.1 |
| Anta passiva schema 4 ante - tappo di tenuta..... | J.12.2 |
| Anta passiva schema 4 ante - fissaggio tappo di tenuta... J.12.3 | |
| Anta passiva schema 4 ante - posizionamento incontri di chiusura | |
| J.12.4 | |
| Anta passiva schema 4 ante - installazione guarnizione di finitura | |
| RU9704..... | J.12.5 |
| Inserimento finale tappo di tenuta ante alzante-scorrevole J.12.6 | |
| Inserimento finale tappo di tenuta ante alzante-scorrevole - Spe- | |
| ciale 3-binari..... | J.12.7 |
| Inserimento finale tappo di tenuta ante alzante-scorrevole - Spe- | |
| ciale..... | J.12.8 |
| Vetratura ante..... | J.13.1 |
| Installazione supporto vetri VS5126 sull'anta..... | J.13.1 |
| Lavorazione fermavetri per uso con VS5126..... | J.13.2 |
| Vetratura versione SHI con RU0002/RU0004..... | J.13.3 |
| Angolo galleggiante..... | J.14.1 |
| Panoramica - Interno..... | J.14.1 |
| 2-binari - Operazioni telaio..... | J.14.2 |
| 2-binari - Assemblaggio telaio..... | J.14.3 |
| Operazioni C9C003..... | J.14.8 |
| Operazioni RB0086..... | J.14.10 |
| Operazioni C9V001..... | J.14.11 |
| Assemblaggio C9C003 + CO1102 + RU4033..... | J.14.13 |
| Assemblaggio C9C003 + SF212x..... | J.14.14 |
| Assemblaggio C9C003 + RB0086 + SF36x..... | J.14.15 |
| Operazioni - Interno..... | J.14.16 |
| Rallentatore Chiusura..... | J.14.16A |
| Pagine di riferimento rapido..... | J.15.1 |
| Ferramenta alzante-scorrevole..... | J.15.1 |
| 2-binari drenaggio..... | J.15.5 |
| 3-binari drenaggio..... | J.15.6 |

K ALLEGATI

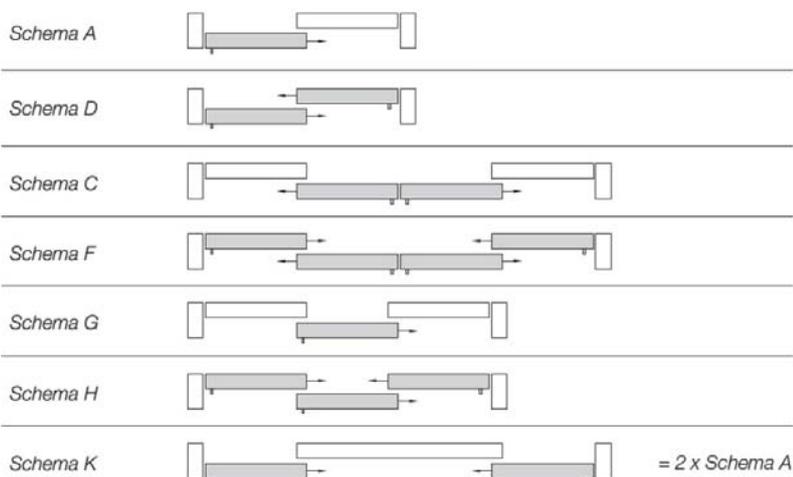
| | |
|---|-------|
| Limiti di impiego - alzante-scorrevole..... | K.1.1 |
| 2 ante con C9V001..... | K.1.1 |
| 2 ante con C9V051..... | K.1.2 |
| 4 ante..... | K.1.3 |
| Valore Uf di finestre e porte..... | K.2.1 |

| | | | |
|----------|--------|--------|--------|
| 210-003 | E.3.1 | KU2028 | E.4.5 |
| 213-006 | E.3.2 | KU2029 | E.4.5 |
| 39R506 | E.3.1 | KU5001 | E.4.1 |
| 39R507 | E.3.1 | KU6004 | E.3.4 |
| 39R508 | E.3.1 | RU0002 | E.3.1 |
| 52A28 | B.6.1 | RU0004 | E.3.1 |
| 71C011 | E.2.1 | RU0099 | E.3.4 |
| 71P003 | E.4.3 | RU4033 | E.3.5 |
| 71R200 | E.3.3 | RU9022 | E.3.3 |
| 778-500 | E.2.1 | RU9079 | E.3.4 |
| 82L538 | F.1.8 | RU9094 | E.3.5 |
| BT6000 | E.4.1 | RU9095 | E.3.2 |
| BT6006 | E.4.2 | RU9136 | E.3.5 |
| BT6013 | E.4.5 | RU9703 | E.3.4 |
| BT6015 | E.4.5 | RU9704 | E.3.4 |
| BT6019 | E.4.2 | SCG641 | E.4.11 |
| BT6026 | E.4.6 | SCZ003 | E.2.1 |
| BT6027 | E.4.6 | SCZ810 | E.2.1 |
| C9A001 | B.5.1 | SF2127 | F.2.5 |
| C9A002 | B.5.1 | SF2129 | F.2.5 |
| C9A003 | B.6.2 | SF3066 | F.2.6 |
| C9A004 | B.6.1 | SF3068 | F.2.6 |
| C9A100 | B.8.2 | SF3925 | F.2.1 |
| C9C001 | B.4.1 | SF8018 | F.2.1 |
| C9C002 | B.7.1 | SV0032 | F.2.4 |
| C9C003 | B.7.2 | SV9002 | F.2.2 |
| C9K020 | B.2.1 | TG4116 | G.2.2 |
| C9K030 | B.2.3 | VS0107 | E.4.6 |
| C9K120 | B.2.2 | VS1132 | E.4.11 |
| C9K121 | B.2.2 | VS2404 | E.4.9 |
| C9V001 | B.3.1 | VS5126 | E.4.1 |
| C9V051 | B.3.2 | VS5128 | E.4.4 |
| CO0132 | E.4.9 | VS5129 | E.4.4 |
| CO1103 | E.4.6 | VS5131 | E.4.4 |
| CO1105 | E.4.6 | VS5132 | E.4.4 |
| CO1107 | E.4.7 | VS5135 | E.4.11 |
| CO1110 | E.4.7 | VS5142 | E.4.1 |
| CO1111 | E.4.7 | VS8001 | E.4.11 |
| CO1118 | E.4.10 | VS8002 | E.4.11 |
| CO1125 | E.4.10 | VS9148 | E.4.9 |
| CO1127 | E.4.6 | VS9149 | E.4.9 |
| CO1214 | E.4.7 | VS9163 | E.4.10 |
| CO2181 | B.8.1 | VS9211 | E.4.10 |
| CO2206 | B.8.1 | VS9950 | E.4.7 |
| CO2211 | E.4.10 | VS9951 | E.4.8 |
| CO2251 | E.4.11 | VS9956 | E.4.8 |
| CO2279 | E.4.3 | VS9957 | E.4.9 |
| CYL102 | F.2.1 | VS9964 | E.4.8 |
| CYL318 | F.2.1 | VS9965 | E.4.8 |
| D4074009 | E.4.5 | VS9999 | E.4.8 |
| DHA020 | F.2.4 | Z9A016 | C.1.1 |
| GC0303 | D.2.1 | Z9C005 | C.1.1 |
| GC0307 | D.2.1 | Z9C030 | C.1.1 |
| GC2310 | D.2.1 | ZB0024 | F.2.2 |
| GC2312 | D.2.1 | ZB0025 | F.2.2 |
| GC2315 | D.2.1 | ZB0027 | F.2.3 |
| GC2317 | D.2.1 | ZB0028 | F.2.3 |
| GC2320 | D.2.1 | ZB0029 | F.2.4 |
| GC2322 | D.2.1 | ZB0030 | F.2.4 |
| GC2325 | D.2.1 | ZB0031 | F.2.4 |
| GC2327 | D.2.1 | ZB0032 | F.2.4 |
| GC2330 | D.2.1 | ZB0033 | F.2.4 |
| HLH301 | F.2.3 | ZB0034 | F.2.4 |
| HLH302 | F.2.3 | ZB0035 | F.2.5 |
| HLH304 | F.2.3 | ZB0036 | F.2.5 |
| HV0G03 | E.1.2 | ZB0038 | F.1.8 |
| HV2W11 | E.1.1 | ZB0038 | F.2.2 |
| HV3H26 | E.1.2 | ZB0040 | F.2.2 |
| HV4K00 | E.2.2 | ZB0045 | F.2.1 |
| HV4K01 | E.2.2 | ZB0046 | F.2.5 |
| KU2027 | E.4.4 | | |

Informazioni sistema



| | |
|----------------------------|---|
| Prodotto: | Sistema termicamente isolato per finestre e porte |
| Applicazioni / uso: | Parti trasparenti e opache della facciata esterna per le esigenze più elevate. |
| Possibilità: | Adatto per ambienti riscaldati e per tutti i tipi di edifici. Secondo la norma di prodotto EN 14351-1-. |
| Funzioni: | Protezione dal calore, protezione climatica, protezione acustica, ventilazione. |
| Dimensioni telaio: | 160 mm |
| Dimensioni ante: | 70 mm |
| Altezza nodi: | Telaio + ante: 149-159 mm, centrale: 126 mm. |
| Riempimenti: | Tutti i tipi di riempimenti trasparenti e opachi da 5 fino a 53 mm. |
| Tipi di apertura: | |

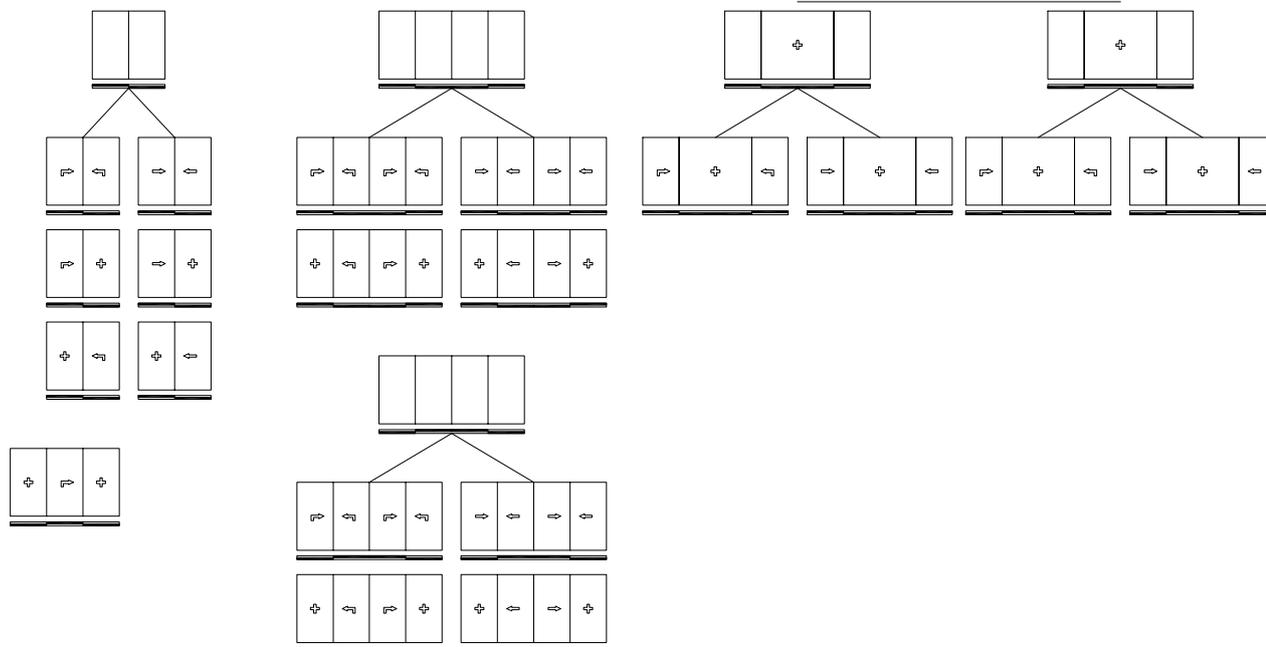


| | |
|-------------------------------|--|
| Superfici: | Verniciate a polvere o anodizzate. |
| Drenaggio: | Cappetta di drenaggio sulla parte bassa del telaio o drenaggio nascosto. |
| Ulteriori possibilità: | Resistenza all'effrazione RC2 |

Opzioni: Sistema modulare per miglioramento termico secondo le necessità.
 Profilati di finitura.
 Profilati di rinforzo.

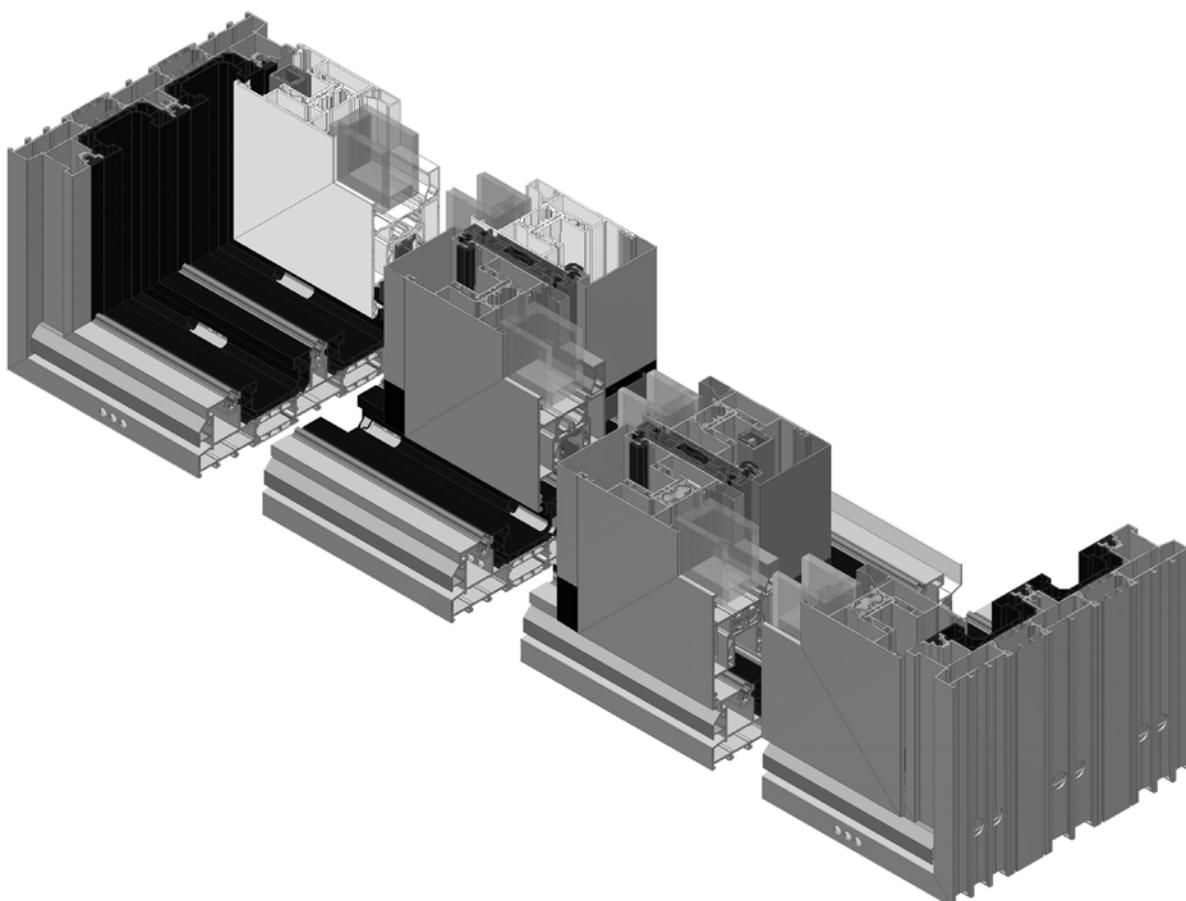
Opzioni ferramenta: Scelta di diverse maniglie. Vedi capitolo ferramenta.

Varianti configurazioni:

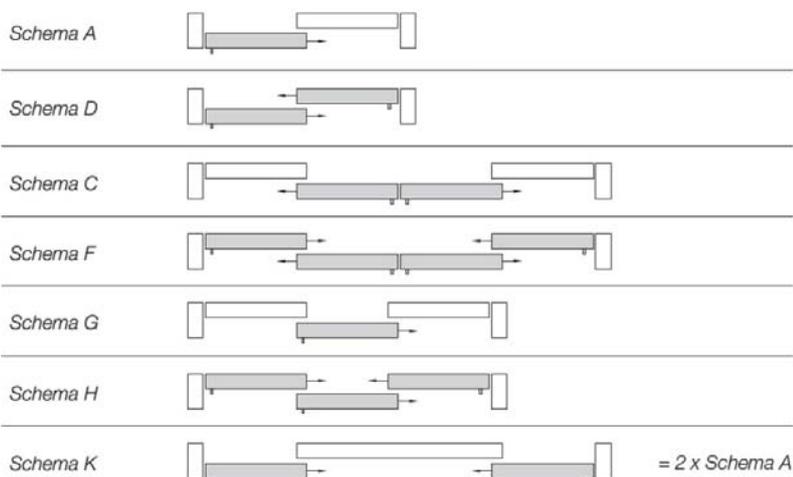


Performance:

| Test | Risultati | | Norme |
|---|--|---------|-----------------|
|  Isolamento termico | sagoma omega PA 6.6 GF25 di 35 mm | | |
| | ATG 11/H772 - ATG 11/H730 | | |
| | I: $U_f = 2.8 - 3.4 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SI: $U_f = 2.6 - 3.2 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SHI: $U_f = 2.09 - 3.1 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
|  Permeabilità aria | 4 | 600 Pa | EN 12207 |
|  Tenuta acqua | E1200 | 1200 Pa | EN 12208 |
|  Resistenza vento | C4 | 1600 Pa | EN12210 |
|  Test acustici | $R_w(C;Ctr) = 42(-1;-4) \text{ dB}$ con vetro $R_w(C;Ctr) = 50(-2;-5) \text{ dB}$ | | EN ISO 717/1 |
|  Resistenza all'effrazione | Classe 2 | | ENV 1627 - 1630 |
|  Sforzo apertura | Classe 1 | | EN 13115 |



| | |
|----------------------------|---|
| Prodotto: | Sistema termicamente isolato per finestre e porte |
| Applicazioni / uso: | Parti trasparenti e opache della facciata esterna per le esigenze più elevate. |
| Possibilità: | Adatto per ambienti riscaldati e per tutti i tipi di edifici. Secondo la norma di prodotto EN 14351-1-. |
| Funzioni: | Protezione dal calore, protezione climatica, protezione acustica, ventilazione. |
| Dimensioni telaio: | 250 mm |
| Dimensioni anta: | 70 mm |
| Altezza nodi: | Telaio + anta: 149-159 mm, centrale: 126 mm. |
| Riempimenti: | Tutti i tipi di riempimenti trasparenti e opachi da 5 fino a 53 mm. |
| Tipi di apertura: | |



| | |
|-------------------------------|--|
| Superfici: | Verniciate o anodizzate. |
| Drenaggio: | Cappetta di drenaggio sulla parte bassa del telaio o drenaggio nascosto. |
| Ulteriori possibilità: | Resistenza all'effrazione RC2 |

3-BINARI

Opzioni: Sistema modulare per miglioramento termico secondo le necessità.
 Profilati di finitura.
 Profilati di rinforzo.

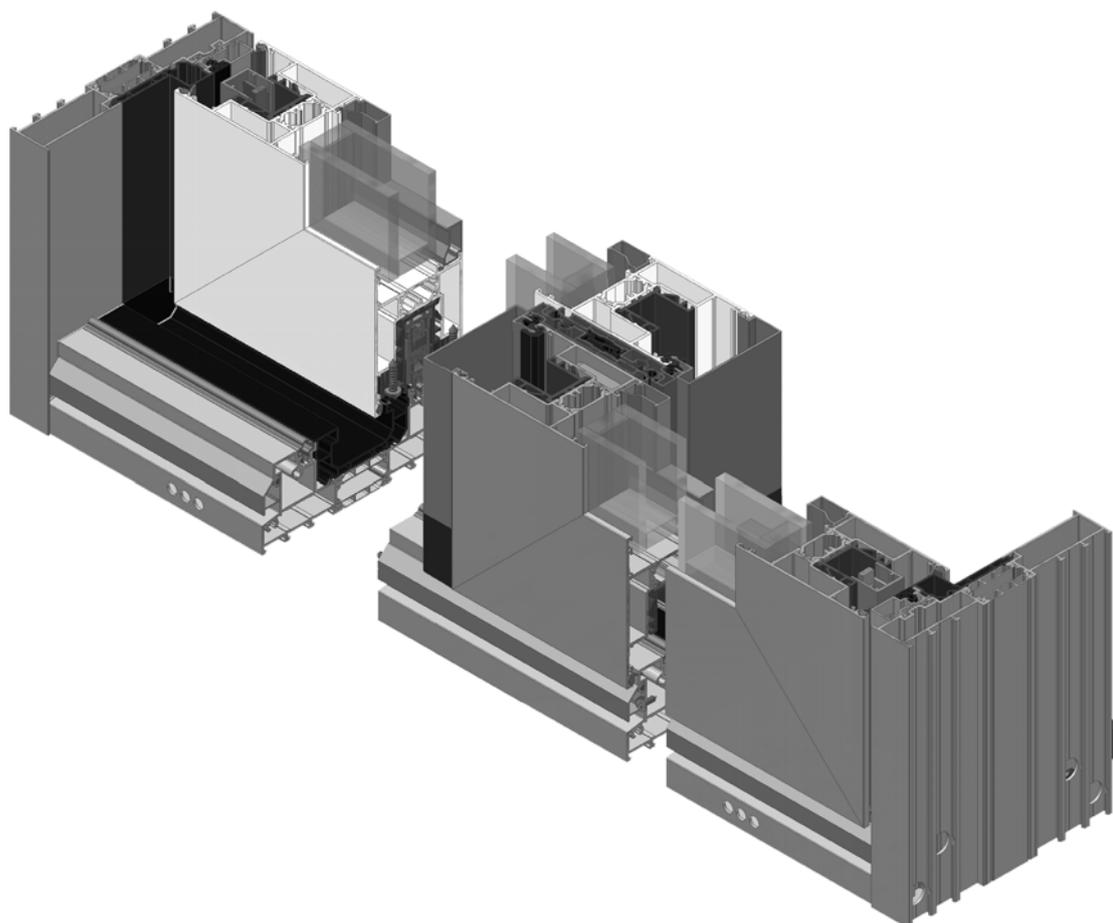
Opzioni ferramenta: Scelta di diverse maniglie. Vedi capitolo ferramenta.

Varianti configurazioni:

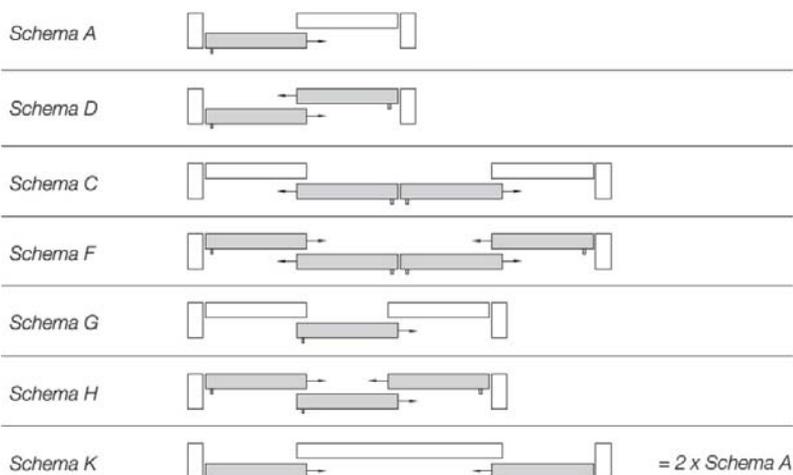


Performance:

| Test | Risultati | | Norme |
|--|---|---------|----------------|
|  Isolamento termico | sagoma omega PA 6.6 GF25 di 35 mm | | |
| | ATG 11/H772 - ATG 11/H730 | | |
| | I: $U_f = 2.8 - 3.4 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SI: $U_f = 2.6 - 3.2 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SHI: $U_f = 2.09 - 3.1 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
|  Permeabilità aria | 4 | 600 Pa | EN 12207 |
|  Tenuta acqua | E900 | 900 Pa | EN 12208 |
|  Resistenza vento | C4 | 1600 Pa | EN12210 |



| | |
|----------------------------|---|
| Prodotto: | Sistema termicamente isolato per finestre e porte |
| Applicazioni / uso: | Parti trasparenti e opache della facciata esterna per le esigenze più elevate. |
| Possibilità: | Adatto per ambienti riscaldati e per tutti i tipi di edifici. Secondo la norma di prodotto EN 14351-1-. |
| Funzioni: | Protezione dal calore, protezione climatica, protezione acustica, ventilazione. |
| Dimensione telaio: | 160 mm |
| Dimensione anta: | 70 mm |
| Altezza nodi: | Telaio + anta: 138-143 mm, centrale: 126 mm. |
| Riempimenti: | Tutti i tipi di riempimenti trasparenti e opachi da 5 fino a 53 mm. |
| Tipi di apertura: | |

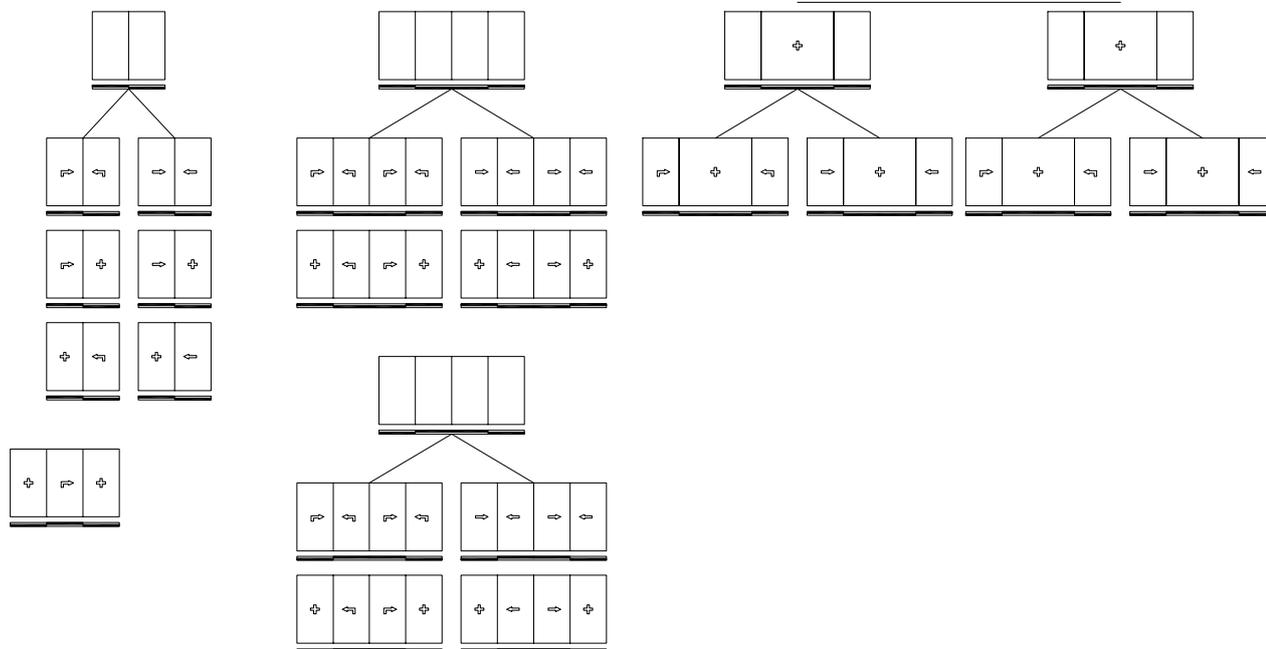


| | |
|-------------------------------|--|
| Superfici: | Verniciate a polvere o anodizzate. |
| Drenaggio: | Cappetta di drenaggio sulla parte bassa del telaio o drenaggio nascosto. |
| Ulteriori possibilità: | Resistenza all'effrazione RC2 |

Opzioni: Sistema modulare per miglioramento termico secondo le necessità.
 Profilati di finitura.
 Profilati di rinforzo.

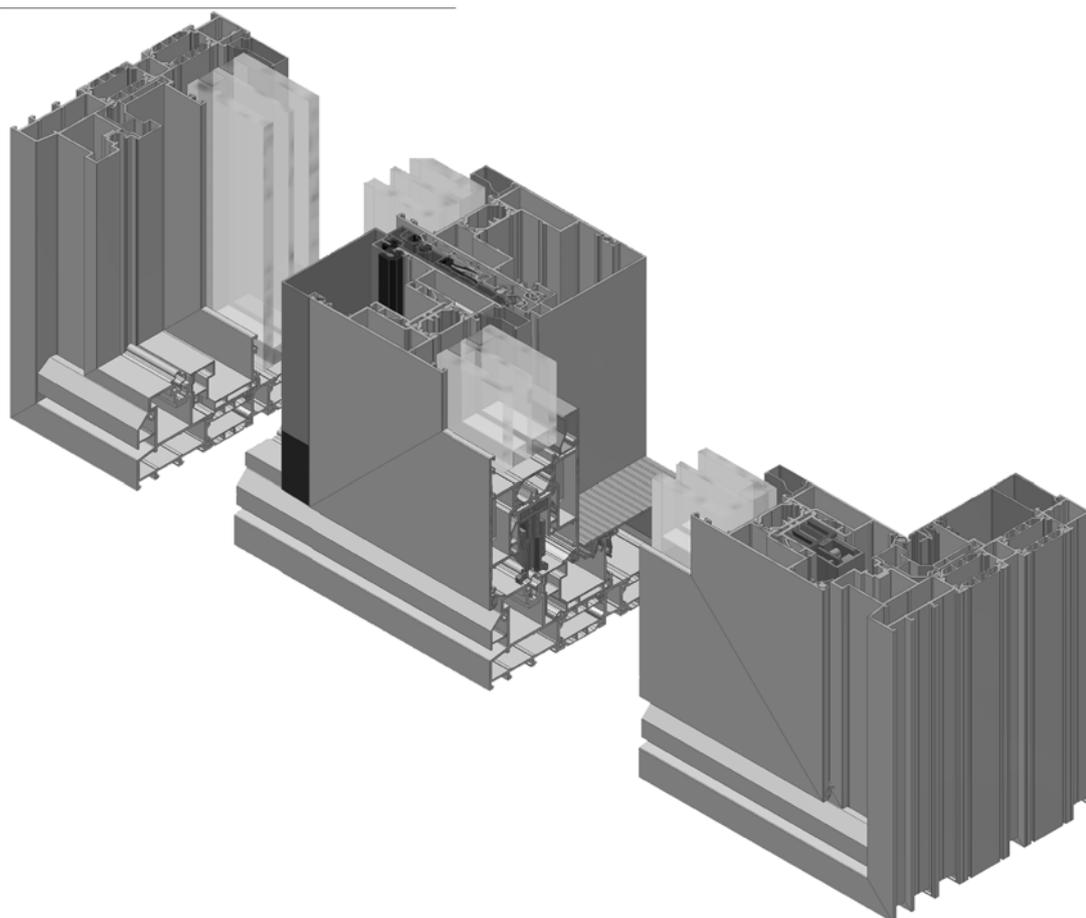
Opzioni ferramenta: Scelta di diverse maniglie. Vedi capitolo ferramenta.

Varianti configurazioni:



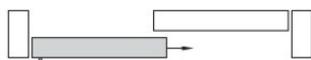
Performance:

| Test | Risultati | | Norme |
|--|---|---------|----------------|
|  Isolamento termico | sagoma omega PA 6.6 GF25 di 35 mm | | |
| | ATG 11/H772 - ATG 11/H730 | | |
| | I: $U_f = 2.8 - 3.4 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SI: $U_f = 2.6 - 3.2 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | SHI: $U_f = 2.09 - 3.1 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
|  Permeabilità aria | 4 | 600 Pa | EN 12207 |
|  Tenuta acqua | E1350 | 1350 Pa | EN 12208 |
|  Resistenza vento | C4 | 1600 Pa | EN12210 |
|  Sforzo apertura | Classe 1 | | EN 13115 |



| | |
|----------------------------|---|
| Prodotto: | Sistema termicamente isolato per finestre e porte |
| Applicazioni / uso: | Parti trasparenti e opache della facciata esterna per le esigenze più elevate. |
| Possibilità: | Adatto per ambienti riscaldati e per tutti i tipi di edifici. Secondo la norma di prodotto EN 14351-1-. |
| Funzioni: | Protezione dal calore, protezione climatica, protezione acustica, ventilazione. |
| Dimensioni telaio: | 160 mm |
| Dimensioni ante: | 70 mm |
| altezza nodi: | Fisso: 53-60, telaio + anta: 143-159 mm, centrale: 126 mm. |
| Riempimenti: | Tutti i tipi di riempimenti trasparenti e opachi da 5 fino a 53 mm. |
| Tipi di apertura: | |

Schema A



Schema C



Schema G

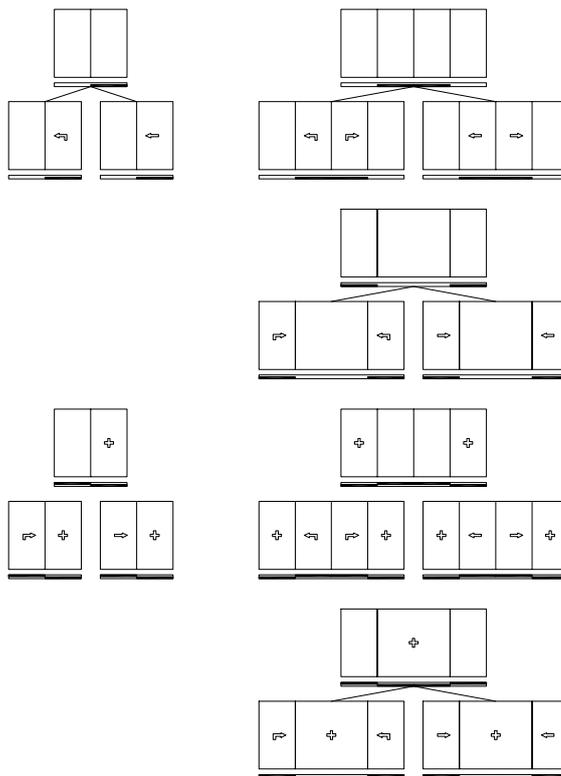


Schema K



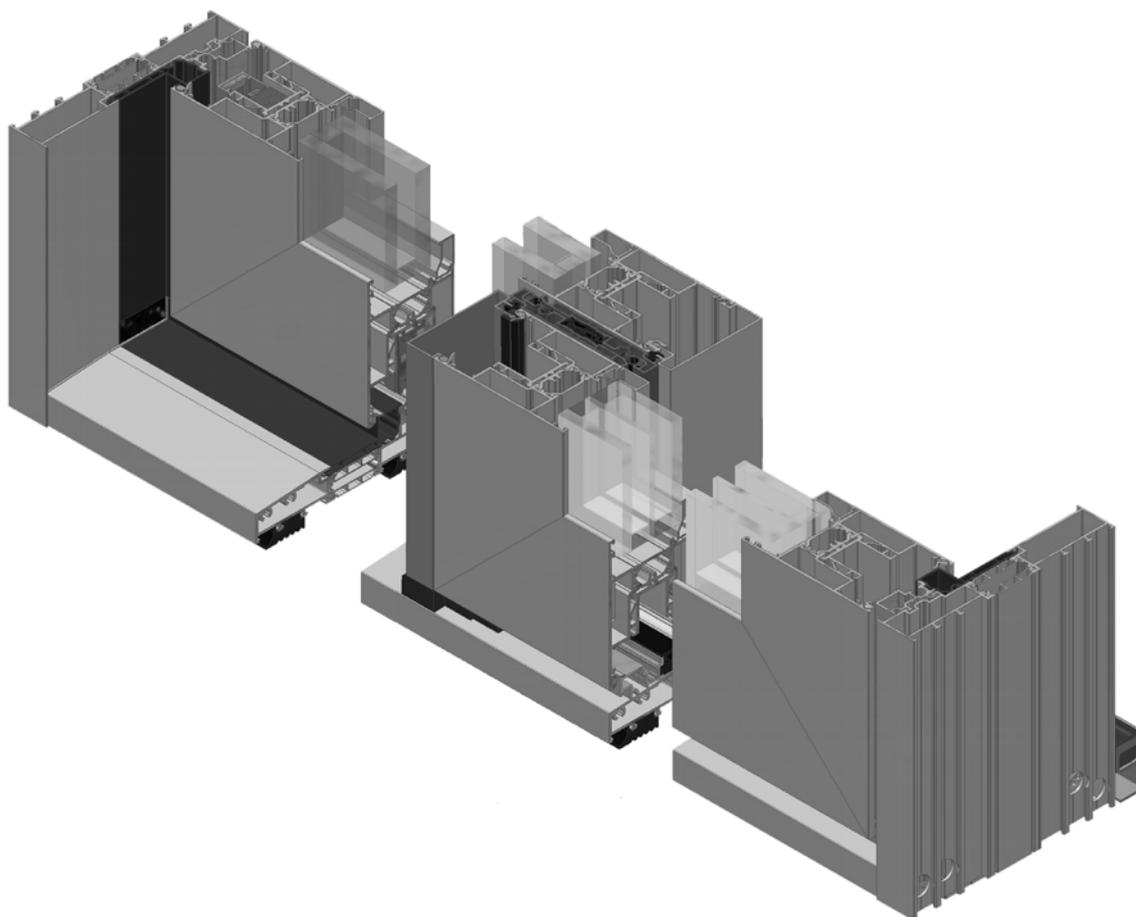
| | |
|-------------------------------|--|
| Superfici: | Verniciate a polvere o anodizzate. |
| Drenaggio: | Cappetta di drenaggio sulla parte bassa del telaio o drenaggio nascosto. |
| Ulteriori possibilità: | Resistenza all'effrazione RC2 |
| Opzioni: | Sistema modulare per miglioramento termico secondo le necessità. Profilati di finitura. Profilati di rinforzo. |
| Opzioni ferramenta: | Scelta di diverse maniglie. Vedi capitolo ferramenta. |

Varianti configurazioni:



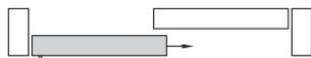
Performance:

| Test | Risultati | | Norme | |
|---|---------------------------|--|---------|-----------------|
|  | Isolamento termico | sagoma omega PA 6.6 GF25 di 35 mm | | |
| | | ATG 11/H772 - ATG 11/H730 | | |
| | | I: $U_f = 2.8 - 3.4 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | | SI: $U_f = 2.6 - 3.2 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | | SHI: $U_f = 2.09 - 3.1 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
|  | Permeabilità aria | 4 | 600 Pa | EN 12207 |
|  | Tenuta acqua | 9A | 600 Pa | EN 12208 |
|  | Resistenza vento | C4 | 1600 Pa | EN12210 |
|  | Test acustici | $R_w(C;Ctr) = 43(-1;-4) \text{ dB}$ con vetro $R_w(C;Ctr) = 50(-2;-5) \text{ dB}$ | | EN ISO 717/1 |
|  | Resistenza all'effrazione | Classe 2 | | ENV 1627 - 1630 |
|  | Sforzo apertura | Classe 1 | | EN 13115 |



| | |
|----------------------------|---|
| Prodotto: | Sistema termicamente isolato per finestre e porte |
| Applicazioni / uso: | Parti trasparenti e opache della facciata esterna per le esigenze più elevate. |
| Possibilità: | Adatto per ambienti riscaldati e per tutti i tipi di edifici. Secondo la norma di prodotto EN 14351-1-. |
| Funzioni: | Protezione dal calore, protezione climatica, protezione acustica, ventilazione. |
| Dimensioni telaio: | 160 mm |
| Dimensioni ante: | 70 mm |
| Altezza nodi: | Telaio + anta: 143-149 mm, centrale: 126 mm, soglia: 136-141 mm. |
| Riempimenti: | Tutti i tipi di riempimenti trasparenti e opachi da 5 fino a 53 mm. |
| Tipi di apertura: | |

Schema A



Schema C



Schema G



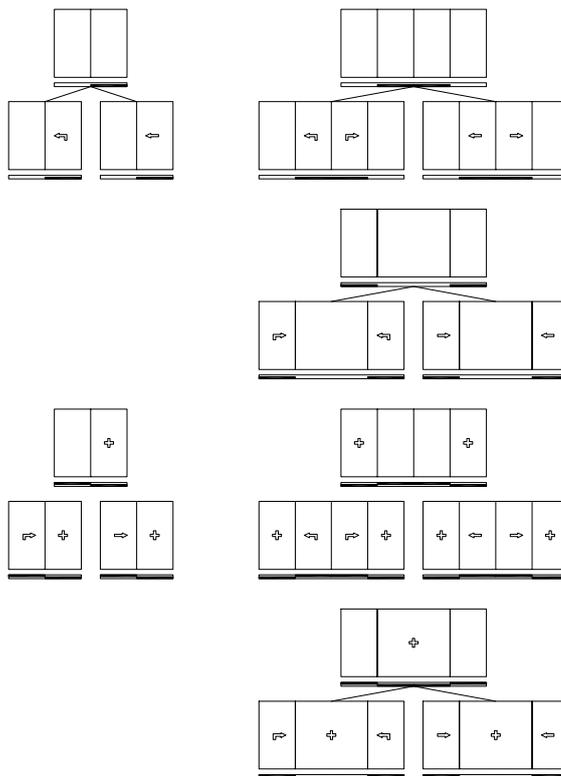
Schema K



= 2 x Schema A

| | |
|-------------------------------|--|
| Superfici: | Verniciate a polvere o anodizzate. |
| Drenaggio: | Cappetta di drenaggio sulla parte bassa del telaio o drenaggio nascosto. |
| Ulteriori possibilità: | Resistenza all'effrazione RC2 |
| Opzioni: | Sistema modulare per miglioramento termico secondo le necessità. Profilati di finitura. Profilati di rinforzo. |
| Opzioni ferramenta: | Scelta di diverse maniglie. Vedi capitolo ferramenta. |

Varianti configurazioni:

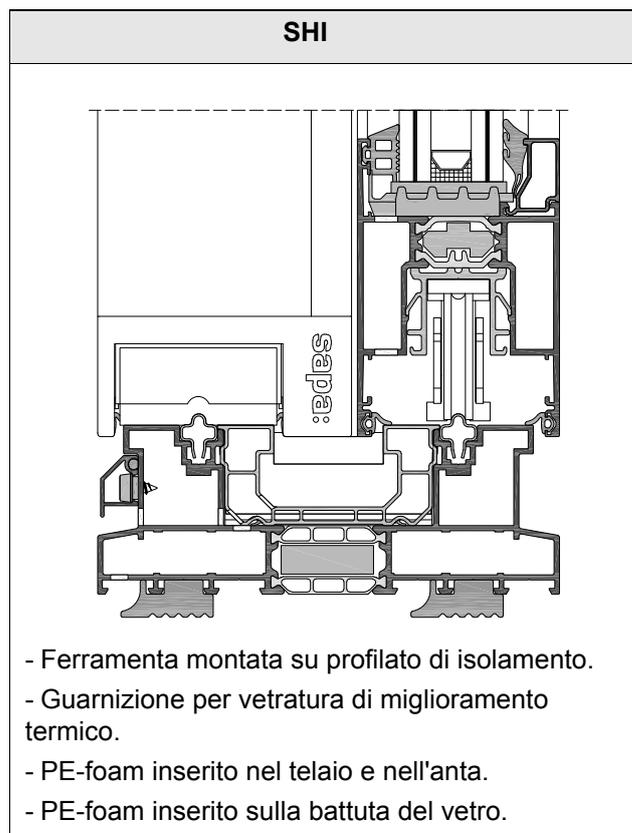
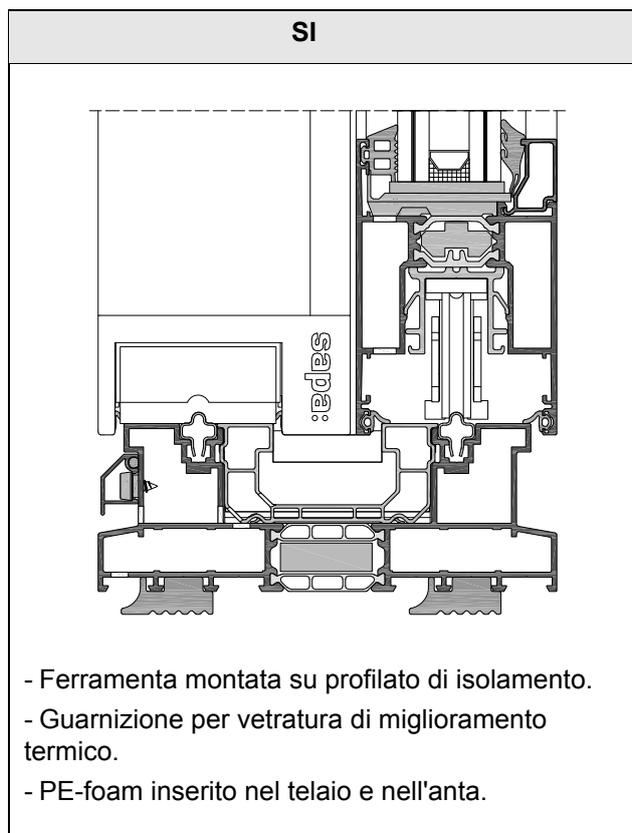
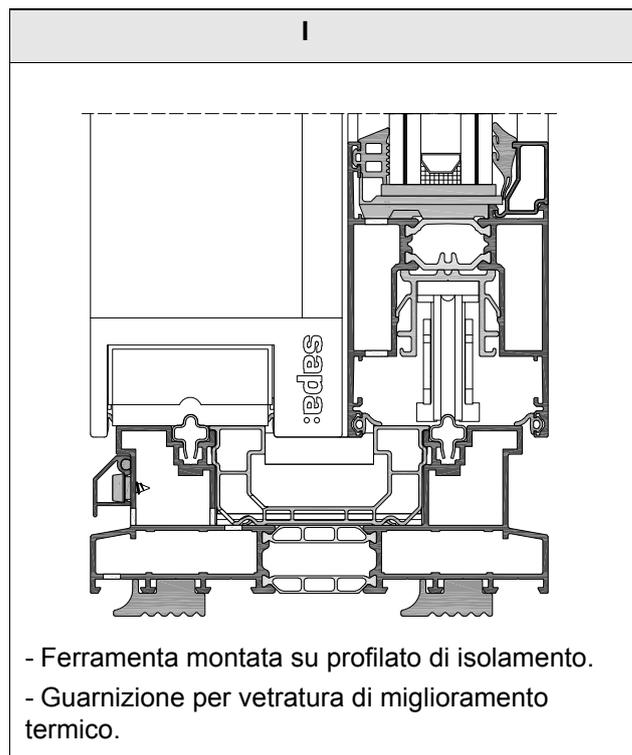


Performance:

| Test | Risultati | | Norme | |
|---|--------------------|---|---------|----------------|
|  | Isolamento termico | sagoma omega PA 6.6 GF25 di 35 mm | | |
| | | ATG 11/H772 - ATG 11/H730 | | |
| | | I: $U_f = 2.8 - 3.4 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | | SI: $U_f = 2.6 - 3.2 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
| | | SHI: $U_f = 2.09 - 3.1 \text{ W/m}^2\text{K}$ | | EN ISO 10077-1 |
|  | Permeabilità aria | 600 Pa | 600 Pa | EN 12207 |
|  | Tenuta acqua | 250 Pa | 250 Pa | EN 12208 |
|  | Resistenza vento | 1600 Pa | 1600 Pa | EN12210 |



OPZIONI TERMICHE

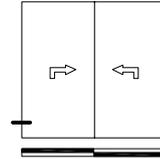
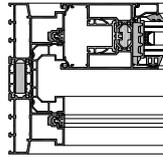




DIRETTIVE GENERALI

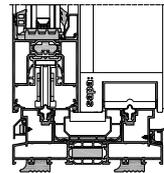
1. All'esterno significa sempre sotto l'orizzontale e sinistra della sezione verticale

Interno

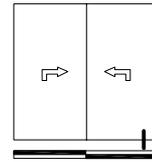


Esterno

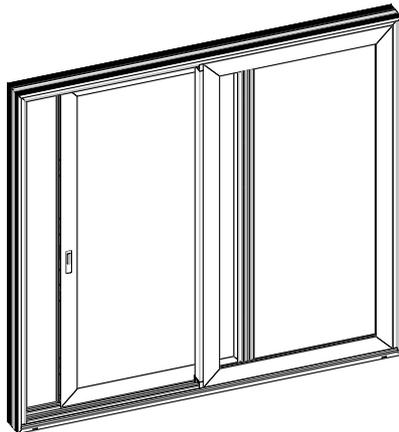
Esterno



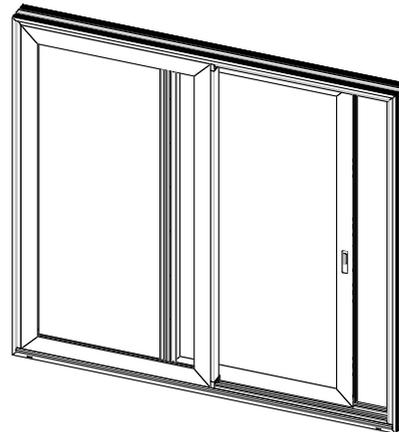
Interno



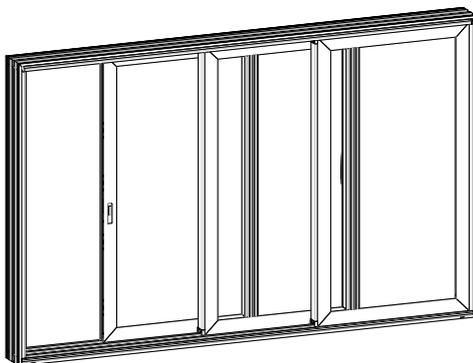
2. Le ante presenti nel catalogo rappresentano la parte di 'sinistra' secondo la norma EN 12519: 2004.



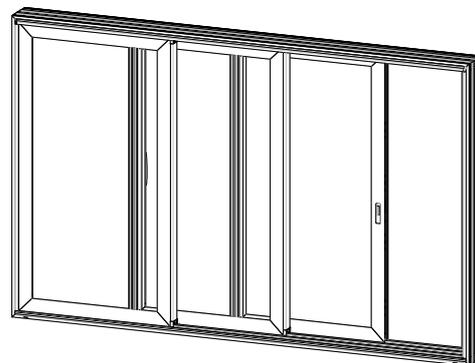
Sinistra in accordo alla EN 12519:2004.
Default per catalogo.



Destro in accordo alla EN 12519:2004.

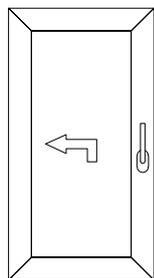


Sinistra in accordo alla EN 12519:2004.
Default per catalogo.

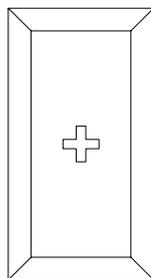


Destro in accordo alla EN 12519:2004.

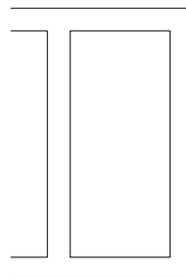
3. Applicazioni



Anta alzante-scorrevole



Anta fissa



Vetro fisso

RISULTATI DEI TEST

| DOCUMENTO | PAESE | NUMERO |
|----------------------|--------|-------------|
| Approvazione tecnica | Belgio | ATG 12/2872 |

| | TIPO DI FINESTRA | DIMENSIONI W x H (MM) | RISULTATI | TEST ISTITUTO NUMERO DOCUMENTO |
|---|---|--------------------------|--|-----------------------------------|
| TEST FUNZIONALI | | | | |
|  | 2-binari alzante-scorrevole C9K020 | 2800 x 2400 | 4C, E1200A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 10026 |
| | 2-binari 4 ante alzante- scorrevole C9K020 | 5150 x 2400 | 3C, 9A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 10202 |
| | 1-binario alzante-scorrevole C9K010 | 2766 x 2388 | 4C, 8A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 10178 |
|  | 2-binari alzante-scorrevole finestra tagli 90 C9K120 | 2778 x 2400 | 4C, E1350A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 11033 |
| | 3-binari alzante-scorrevole C9K030 | 4104 x 2400 | 4C, E900A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 11032 |
|  | 2-binari fisso-alzante-scorrevole- fisso | 4200 x 2700 | 4C, 8A, 3 (EN12210, EN12208, EN12207) | LK24-1844-12-R12NK |
| | 2-binari soglia ribassata fisso-alzante-scorrevole C9K100 | 2768 x 2382 | 4C, 6A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 13368 |
| | 1-binario fisso-alzante-scorrevole C9K012 | 2800 x 2400 | 4C, 9A, 4 (EN12210, EN12208, EN12207) | WTCB NB 1136 CAR 14057 |
| TEST MECCANICI | | | | |
|  | 1-binario alzante-scorrevole finestra | 2766 x 2388 | Forza di funzionamento: 1 (EN 13115) Resistenza meccanica: 4 (EN 13115) | WTCB NB 1136 CAR 10178 |
| | 2-binari alzante-scorrevole finestra | 2788x 2400 | Forza di funzionamento: 1 (EN 13115) Resistenza meccanica: 4 (EN 13115) | WTCB NB 1136 CAR 11033 |
|  | 2-binari doppia finestra alzante-scorrevole | 2800x 2400 | Forza di funzionamento: 1 (EN 13115) Resistenza meccanica: 4 (EN 13115) | WTCB NB 1136 CAR 10026 |
| | 2-binari fisso-alzante-scorrevole- fisso | 4200 x 2700 | Forza di funzionamento: 1 (EN 13115) | LK24-1844-12-R12NK |

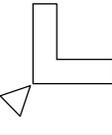
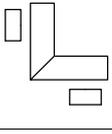
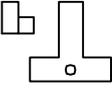
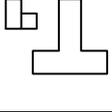
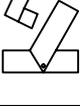
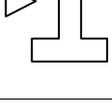
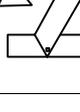
RISULTATI DEI TEST

| TEST ACUSTICI | | | | |
|---|---|-------------|--|---------------------------------|
|  | C160 SHI - alzante-scorrevole | 4100 x 2416 | Rw(C;Ctr) = 37(-1;-2)dB con vetro 66.2/20/44.2 (Rw(C;Ctr)=43(-1;-5)dB) | CSTB NB 0679 AC11-26034308 |
| | C160 SI - alzante-scorrevole | 4100 x 2416 | Rw(C;Ctr) = 36(-1;-2)dB con vetro 66.2/20/44.2 (Rw(C;Ctr)=43(-1;-5)dB) | CSTB NB 0679 AC11-26034308 |
| | C160 Basic - alzante-scorrevole | 4100 x 2416 | Rw(C;Ctr) = 36(-1;-3)dB con vetro 66.2/20/44.2 (Rw(C;Ctr)=43(-1;-5)dB) | CSTB NB 0679 AC11-26034308 |
| | C160 SHI - alzante-scorrevole doppia fisso alzante-scorrevole | 3950 x 2400 | Rw(C;Ctr) = 42(-1;-4)dB con vetro 66.2A/20/44.2A (Rw(C;Ctr)=50(-2;-5)dB) | WTCB NB 1136 AC5581 Bis |
| | C160 SHI - alzante-scorrevole Doppia 2-ante | 3950 x 2400 | Rw(C;Ctr) = 39(-1;-3)dB con vetro 66.2A/20/44.2A (Rw(C;Ctr)=50(-2;-5)dB) | WTCB NB 1136 AC5580 Bis |
| | C160 SHI - alzante-scorrevole Mono | 3950 x 2400 | Rw(C;Ctr) = 43(-1;-4)dB con vetro 66.2A/20/44.2A (Rw(C;Ctr)=50(-2;-5)dB) | WTCB NB 1136 AC5579 Bis |
| | C160 SHI - alzante-scorrevole Mono | 3950 x 2400 | Rw(C;Ctr) = 40(-1;-3)dB con vetro 10/12/44.2A (Rw(C;Ctr)=43(-2;-5)dB) | WTCB NB 1136 AC5578 Bis |
| TEST ANTIEFFRAZIONE | | | | |
|  | 2 ante fisso-alzante-scorrevole due C9K020 | 2800 x 2400 | Resistenza classe 2 | SKG NB 0960 10.1036 |
| | 4 ante fisso-alzante-scorrevole-alzante-scorrevole-fisso due C9K020 | 5150 x 2400 | Resistenza classe 2 | SKG NB 0960 10.1110 |
| | | | Dichiarazione di conformità Resistenza classe 2 | SKG NB 0960 10.0925 |
| TEST TERMICI | | | | |
|  | | | Vedi valori Uw di finestre nel capitolo K | |
| TEST ADDIZIONALI | | | | |
| | Fissaggio viti | | | WTCB NB 1136 CAR 10145 |
| | KOMO certificato | | Resistenza classe 2 | SKG NB 0960 SKG.0876.0313.04.NL |

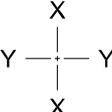
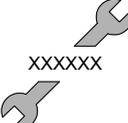
Profilati sistema

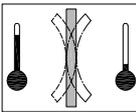
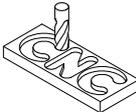
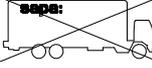
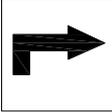
LISTA DEI SIMBOLI

| | |
|---|--|
| A | Canali squadrette allineamento |
| B | Tubolarità esterna per squadrette |
| C | Tubolarità interna per squadrette |
|  | Squadrette allineamento |
|  | Squadrette a cianfrinare |
|  | Squadrette a spinare |
|  | Squadrette con eccentrico |
|  | Squadretta angolo variabile con eccentrico |

| | |
|--|--|
|  | Squadrette meccaniche |
|  | Squadrette meccaniche fissaggio con viti |
|  | Supporti per alette |
|  | Cavallo con eccentrico tipo 1 |
|  | Cavallo con eccentrico tipo 2 |
|  | Cavallo angolo variabile con eccentrico |
|  | Cavallo a spinare |
|  | Cavallo angolo variabile a spinare |
|  | Piatto blindatura |

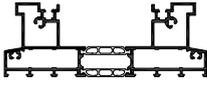
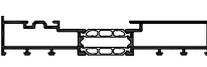
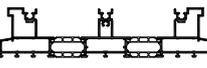
LISTA DEI SIMBOLI

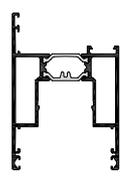
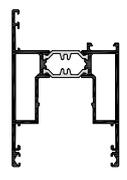
| | |
|---|---|
|  | Numero pagina |
|  | Posizione del profilato |
|  | Lunghezza del profilato (m) |
| Ixx Iyy | Momento di inerzia secondo assi XX/YY (cm ⁴) |
|  | Superficie anodizzata o verniciata (dm ² /m) |
|  | Superficie di pulizia (dm ² /m) |
|  xxxxxx | Codice attrezzo |
|  | Collegamento a vite |
|  X.X.X | Vedi disegno |
|  xxxxxx | Numero confezione |
|  xxxxxx | Pezzi nella confezione |

| | |
|---|--|
|  | Silicone, colla |
|  | Rompere o tagliare |
|  | Unità di misura confezione |
|  | Effetto bi-metallo |
|  | Resistenza all'effrazione, classe Europea 2 |
|  | CNC centro di lavoro |
|  | Non fornito da Domal |
|  | Soluzione alzante-scorrevole |



LISTA PROFILATI

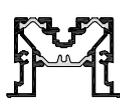
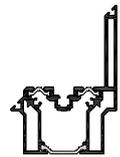
| TELAIO | | |
|--|---------------|---|
|  | CODICE |  |
|  | C9K020 | B.2.1 |
|  | C9K120 | B.2.2 |
|  | C9K121 | B.2.2 |
|  | C9K030 | B.2.3 |

| ANTA | | |
|---|---------------|---|
|  | CODICE |  |
|  | C9V001 | B.3.1 |
|  | C9V051 | B.3.2 |

| RINFORZO | | |
|---|---------------|---|
|  | CODICE |  |
|  | C9C001 | B.4.1 |

| PROFILATI CARTELLINE | | |
|---|---------------|---|
|  | CODICE |  |
|  | C9A001 | B.5.1 |
|  | C9A002 | B.5.1 |
|  | C9A020 | B.5.2 |

| PROFILATI GOCCIOLATOI | | |
|---|---------------|--|
|  | CODICE |  |
|  | 52A28 | B.6.1 |
|  | C9A004 | B.6.1 |
|  | C9A003 | B.6.2 |

| PROFILATI GUIDA | | |
|---|---------------|---|
|  | CODICE |  |
|  | C9C002 | B.7.1 |
|  | C9C003 | B.7.2 |

LISTA PROFILATI

| PROFILATI COMPLEMENTARI | | |
|---|---------------|---|
|  | CODICE |  |
|  | CO2206 | B.8.1 |
|  | CO2181 | B.8.1 |
|  | C9A100 | B.8.2 |

| FERMAVETRO - STANDARD - 22 MM | | |
|---|---------------|--|
|  | CODICE |  |
|  | GC0303 | D.2.1 |
|  | GC0307 | D.2.1 |

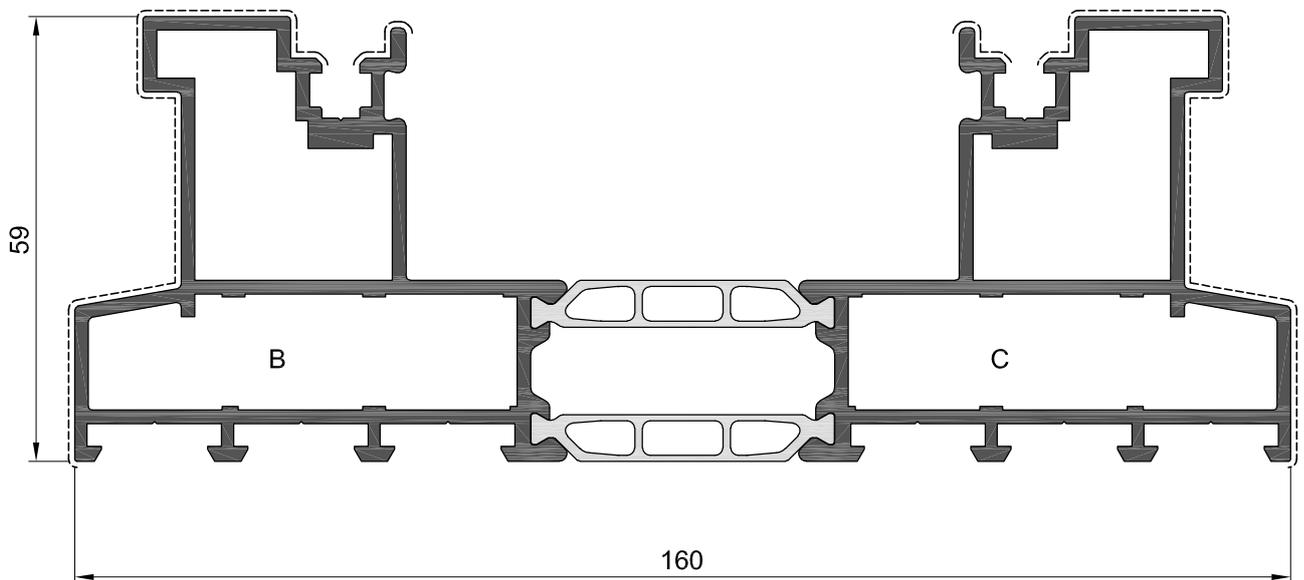
| FERMAVETRO - TUBOLARI - 22 MM | | |
|---|---------------|---|
|  | CODICE |  |
|  | GC2310 | D.2.1 |
|  | GC2312 | D.2.1 |

| FERMAVETRO - TUBOLARI - 22 MM | | |
|---|---------------|---|
|  | CODICE |  |
|  | GC2315 | D.2.1 |
|  | GC2317 | D.2.1 |
|  | GC2320 | D.2.1 |
|  | GC2322 | D.2.1 |
|  | GC2325 | D.2.1 |
|  | GC2327 | D.2.1 |
|  | GC2330 | D.2.1 |

| FINESTRE - PROFILATI DI FINITURA | | |
|---|---------------|---|
|  | CODICE |  |
|  | Z9A016 | C.1.1 |

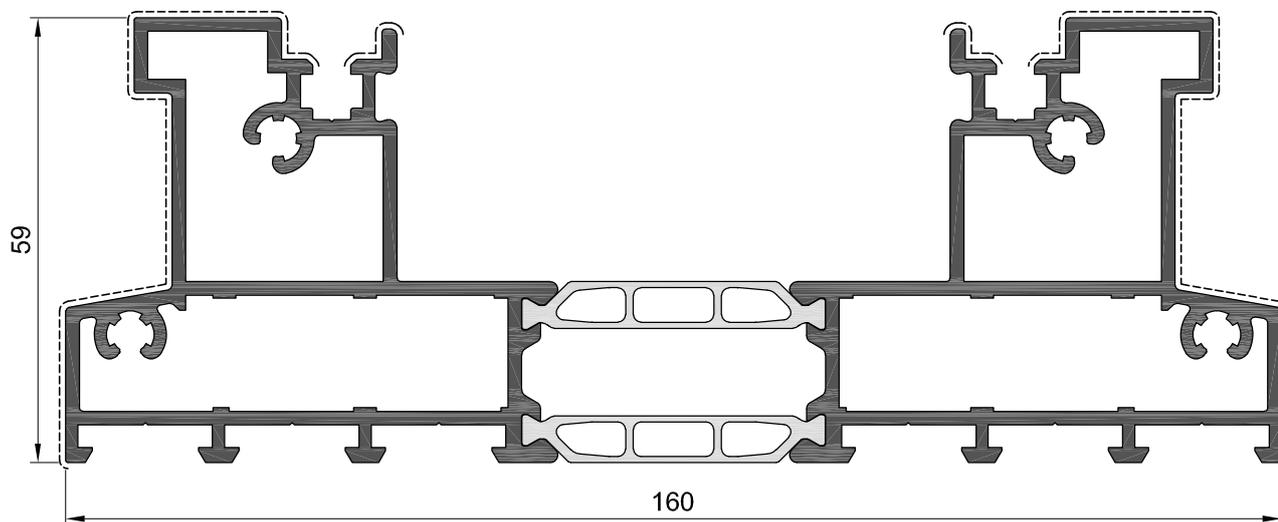
LISTA PROFILATI

| FINESTRE - PROFILATI DI FINITURA | | |
|---|---------------|---|
|  | CODICE |  |
|  | Z9C005 | C.1.1 |
|  | Z9C030 | C.1.1 |



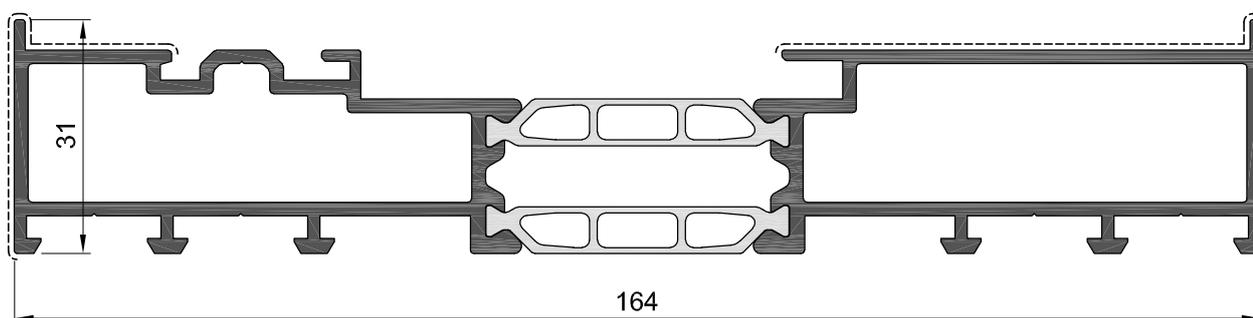
| | | | | | | | | | | | | |
|--|------------|-------------|---|-------------|-------------|---|-------------|-------------|-------------|---|-------------|-------------|
|  dm ² /m | 64.49 | B |  | HV0G03 | C |  | HV2W11 | - | - |  | J.2.1 | |
|  dm ² /m | 23.01 | B |  | HV2W11 | - | - | - | - | - |  | H.1.15 | |
| $\gamma_{\frac{1}{2}} \gamma$ lyy cm ⁴ | 41.89 | C |  | HV0G03 | - | - | - | - | - |  | 7.0 | |
| mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| $\gamma_{\frac{1}{2}} \gamma$ lxx cm ⁴ | 75.82 | 92.55 | 110.22 | 127.97 | 145.17 | 161.41 | 176.47 | 190.24 | 202.72 | 213.95 | 224.04 | 233.06 |

C9K120

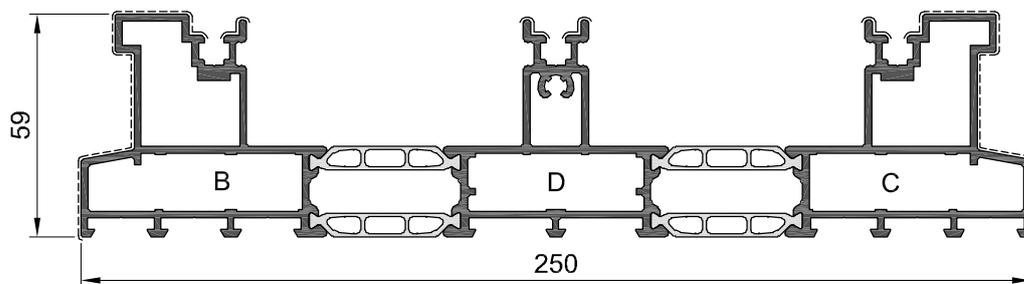


| | | | | | | | | | | | | |
|---|------------|-------------|---|-------------|-------------|---|-------------|-------------|-------------|---|-------------|-------------|
|  dm ² /m | 64.49 | B |  | HV0G03 | C |  | HV2W11 | - | - |  | J.3.6 | |
|  dm ² /m | 23.01 | B |  | HV2W11 | - | - | - | - | - |  | H.1.6 | |
|  lyy cm ⁴ | 43.08 | C |  | HV0G03 | - | - | - | - | - |  m | 7.0 | |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | 61.85 | 72.00 | 83.52 | 96.00 | 109.09 | 122.46 | 135.83 | 148.97 | 161.73 | 173.97 | 185.62 | 196.64 |

C9K121

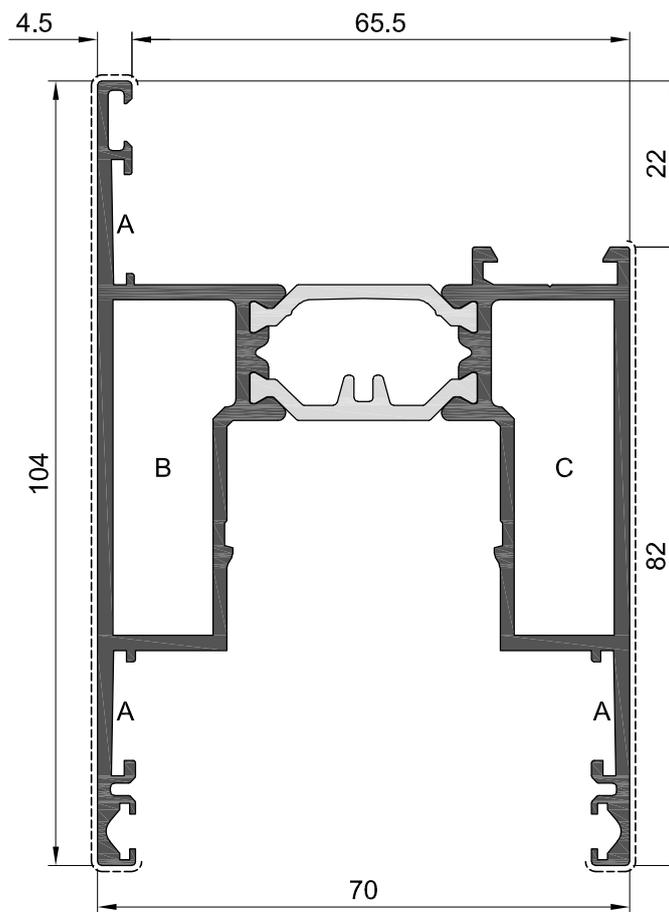


| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|-------------|
|  dm ² /m | 49.79 | - | - | - | - | - | - | - | - |  | J.3.4 | |
|  dm ² /m | 15.40 | - | - | - | - | - | - | - | - |  | - | |
|  lyy cm ⁴ | 6.97 | - | - | - | - | - | - | - | - |  m | 7.0 | |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | 55.89 | 64.77 | 74.45 | 84.49 | 94.55 | 104.35 | 113.72 | 122.54 | 130.74 | 138.30 | 145.23 | 151.56 |



C9K030

| | | | | | | | | | | | | | |
|--|---------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | dm ² /m | 56.13 | C | | HV0G03 | | | | - | - | | J.4.4 | |
| | dm ² /m | 13.64 | B | | HV0G03 | | | | - | - | | H.1.9 | |
| | lyy cm ⁴ | 41.76 | D | | HV0G03 | - | - | - | - | - | | m 7.0 | |
| | mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| | lxx cm ⁴ | 75.80 | 92.65 | 110.44 | 238.33 | 145.66 | 162.03 | 177.21 | 191.10 | 203.68 | 215.02 | 225.19 | 234.30 |

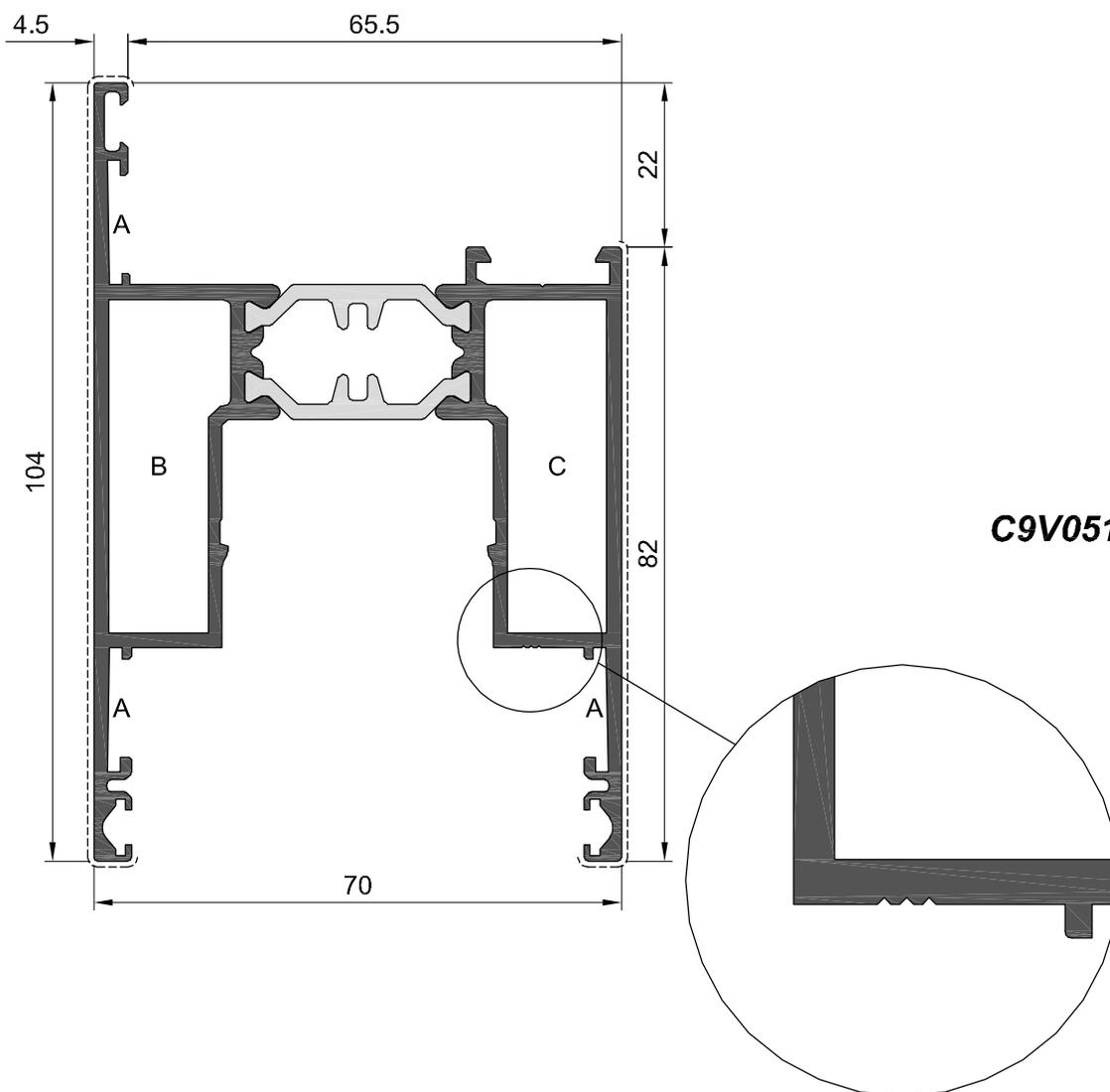


C9V001

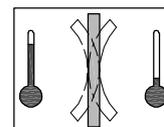
| | | | | | | | | | | | | |
|--|------------|--|-------------|-------------|--|-------------|-------------|-------------|-------------|---|-------------|-------------|
|  dm ² /m | 55.07 | A  | HV4K01 | | C  | HV2W10 | | - | - |  | J.6.1 | |
|  dm ² /m | 20.09 | B  | HV2W10 | | C  | HV3H26 | | - | - |  | - | |
| $\gamma \frac{I}{S}$ lyy cm ⁴ | 48.12 | B  | HV3H26 | | - | - | | - | - |  m | 7.0 | |
| mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| $\gamma \frac{I}{S}$ lxx cm ⁴ | 15.23 | 19.51 | 23.77 | 27.79 | 31.48 | 34.78 | 37.7 | 40.25 | 42.48 | 44.42 | 46.1 | 47.57 |



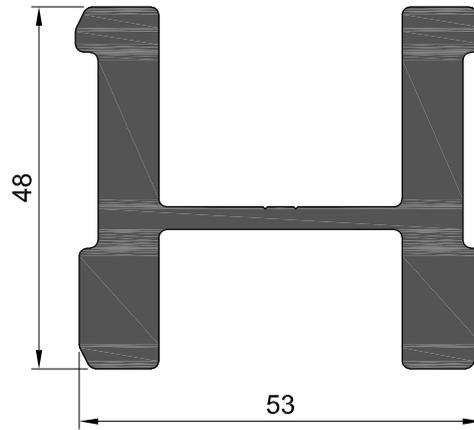
Bi-metal profile



C9V051

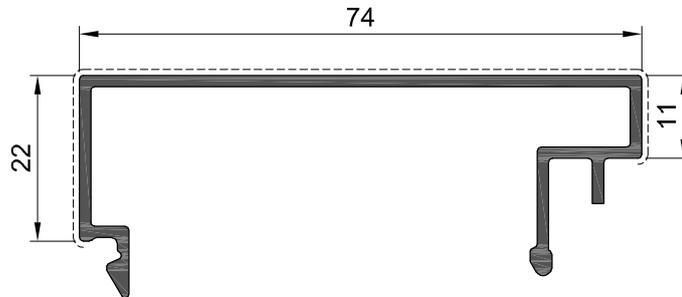


| | | | | | | | | | | | | |
|---|------------|--|-------------|--|-------------|-------------|-------------|---|-------------|-------------|-------------|-------------|
|  dm ² /m | 55.07 | A  | HV4K01 | C  | HV2W10 | - | - |  | J.6.1 | | | |
|  dm ² /m | 20.09 | B  | HV2W10 | C  | HV3H26 | - | - |  | - | | | |
|  lyy cm ⁴ | 4.97 | B  | HV3H26 | - | - | - | - |  m | 7.0 | | | |
| mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 |



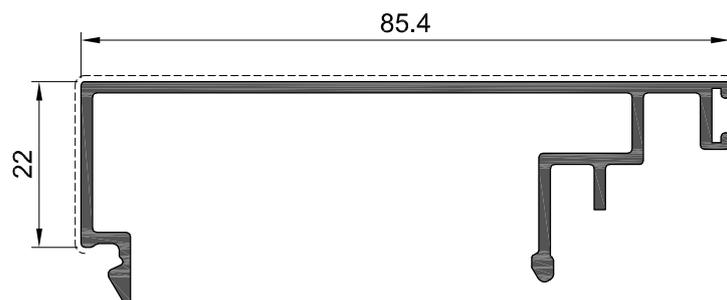
C9C001

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 29.25 | - | - | - | - | - | - | - | - | - |  | J.10.7 |
|  dm ² /m | 0.00 | - | - | - | - | - | - | - | - | - |  | H.1.21 |
|  I _{yy} cm ⁴ | 18.10 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  I _{xx} cm ⁴ | - | 38.75 | - | - | - | - | - | - | - | - | - | - |



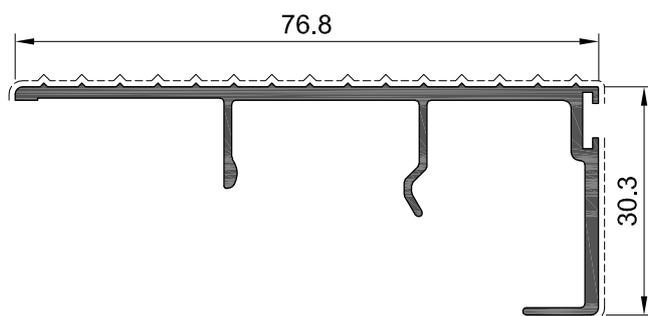
C9A001

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 30.22 | - | - | - | - | - | - | - | - | - |  | J.10.7 |
|  dm ² /m | 10.71 | - | - | - | - | - | - | - | - | - |  | - |
|  lyy cm ⁴ | 1.78 | - | - | - | - | - | - | - | - | - |  m | 6.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | - | 17.28 | - | - | - | - | - | - | - | - | - | - |



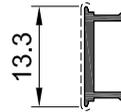
C9A002

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 34.99 | - | - | - | - | - | - | - | - | - |  | J.10.7 |
|  dm ² /m | 11.01 | - | - | - | - | - | - | - | - | - |  | - |
|  lyy cm ⁴ | 1.88 | - | - | - | - | - | - | - | - | - |  m | 6.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | - | 22.92 | - | - | - | - | - | - | - | - | - | - |



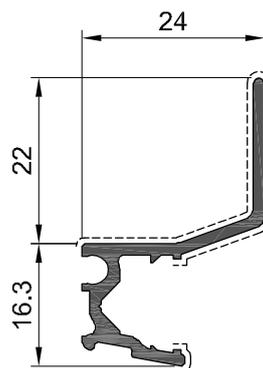
C9A020

| | | | | | | | | | | | | |
|--|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 29.81 | - | - | - | - | - | - | - | - | - |  | J.1.93 |
|  dm ² /m | 11.07 | - | - | - | - | - | - | - | - | - |  | H.1.89 |
|  l _{yy} cm ⁴ | 1.74 | - | - | - | - | - | - | - | - | - |  m | 7 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  l _{xx} cm ⁴ | - | 12.32 | - | - | - | - | - | - | - | - | - | - |



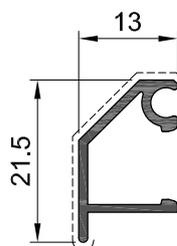
52A28

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 4.52 | - | - | - | - | - | - | - | - | - |  | - |
|  dm ² /m | 1.38 | - | - | - | - | - | - | - | - | - |  | H.1.16 |
|  I _{yy} cm ⁴ | 0.04 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  I _{xx} cm ⁴ | - | 0.00 | - | - | - | - | - | - | - | - | - | - |



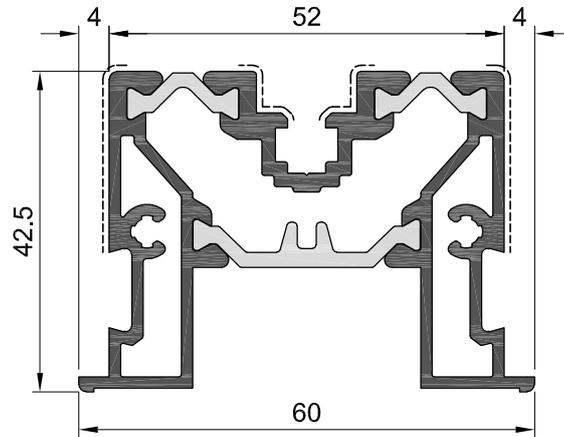
C9A004

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 14.64 | - | - | - | - | - | - | - | - | - |  | J.5.27 |
|  dm ² /m | 7.87 | - | - | - | - | - | - | - | - | - |  | H.1.16 |
|  I _{yy} cm ⁴ | 1.08 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  I _{xx} cm ⁴ | - | 0.80 | - | - | - | - | - | - | - | - | - | - |



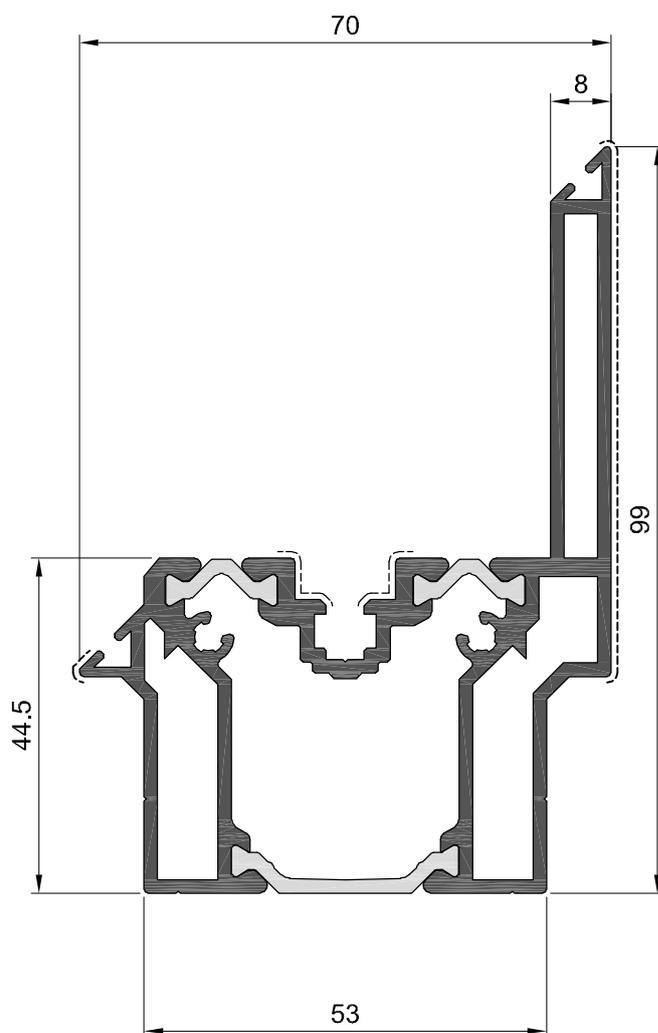
C9A003

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 9.83 | - | - | - | - | - | - | - | - | - |  | J.5.26 |
|  dm ² /m | 4.58 | - | - | - | - | - | - | - | - | - |  | H.1.9 |
|  lyy cm ⁴ | 0.25 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | - | 0.11 | - | - | - | - | - | - | - | - | - | - |



C9C002

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 15.02 | - | - | - | - | - | - | - | - | - |  | J.10.23 |
|  dm ² /m | 6.26 | - | - | - | - | - | - | - | - | - |  | H.1.5 |
|  I _{yy} cm ⁴ | 6.07 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  I _{xx} cm ⁴ | 3.75 | 5.03 | 6.23 | 7.54 | 8.66 | 9.68 | 10.58 | 11.37 | 12.06 | 12.66 | 13.19 | 13.65 |

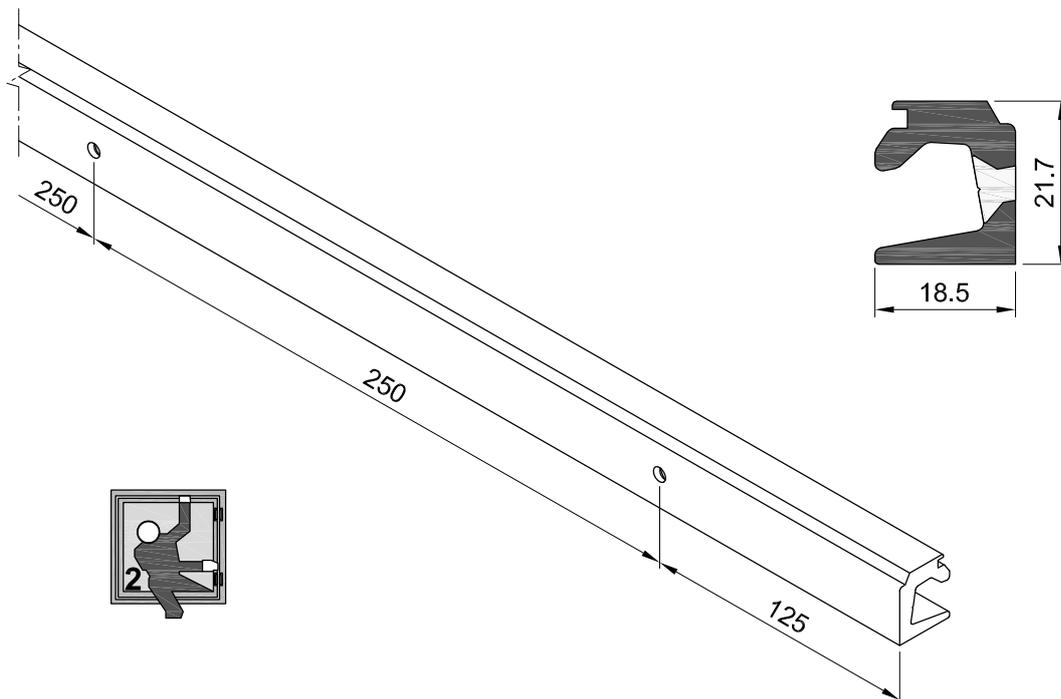


C9C003

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 58.61 | - | - | - | - | - | - | - | - | - |  | - |
|  dm ² /m | 11.11 | - | - | - | - | - | - | - | - | - |  | - |
|  lyy cm ⁴ | 6.07 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
| mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | 6.91 | 8.91 | 11.05 | 13.21 | 15.31 | 17.32 | 19.19 | 20.91 | 22.47 | 23.89 | 25.17 | 26.32 |

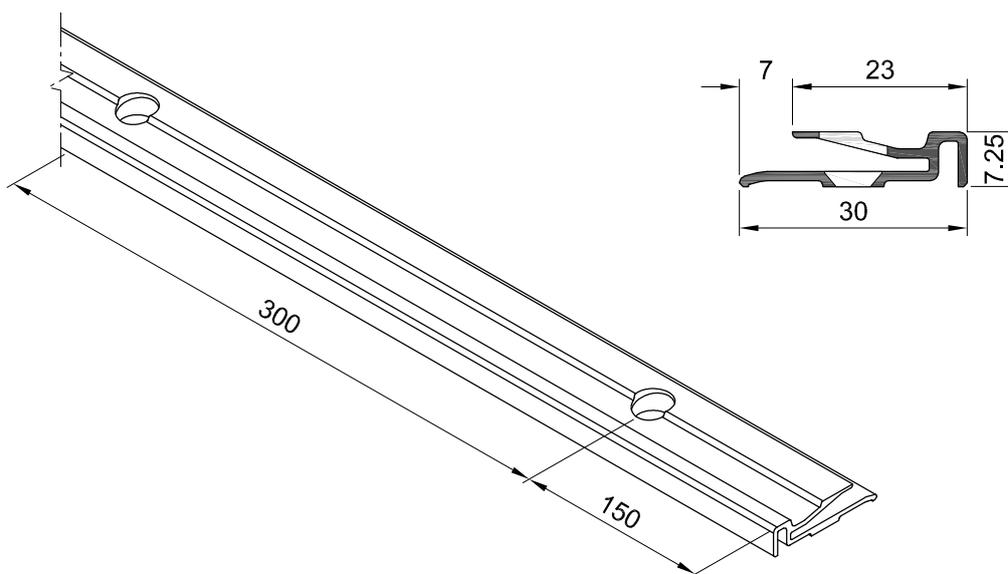
PROFILATI SISTEMA domal

PROFILATI COMPLEMENTARI



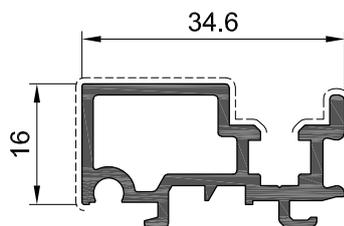
CO2206

| | | | | | | | | | | | | | |
|--|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | dm ² /m | 10.92 | - | - | - | - | - | - | - | - | | J.8.3 | |
| | dm ² /m | 6.49 | - | - | - | - | - | - | - | - | | - | |
| | l _{yy} cm ⁴ | 0.60 | - | - | - | - | - | - | - | - | | 7.0 | |
| | mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| | l _{xx} cm ⁴ | - | 1.12 | - | - | - | - | - | - | - | - | - | - |



CO2181

| | | | | | | | | | | | | | |
|--|---------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | dm ² /m | 11.95 | - | - | - | - | - | - | - | - | | - | |
| | dm ² /m | 3.86 | - | - | - | - | - | - | - | - | | - | |
| | l _{yy} cm ⁴ | 0.04 | - | - | - | - | - | - | - | - | | 3.0 | |
| | mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| | l _{xx} cm ⁴ | - | 0.50 | - | - | - | - | - | - | - | - | - | - |



C9A100

| | | | | | | | | | | | | |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|-------------|
|  dm ² /m | 17.11 | - | - | - | - | - | - | - | - | - |  | J.3.30 |
|  dm ² /m | 5.59 | - | - | - | - | - | - | - | - | - |  | - |
|  lyy cm ⁴ | 0.59 | - | - | - | - | - | - | - | - | - |  m | 7.0 |
|  mm | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|  lxx cm ⁴ | - | 2.25 | - | - | - | - | - | - | - | - | - | - |



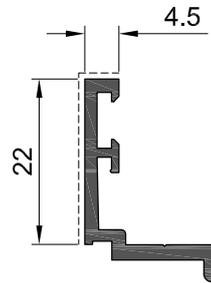
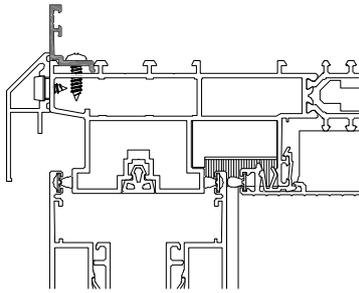
MOMENTO DI INERZIA

| | I _{xx} (CM ⁴) | | | | | | | | | | | |
|---------------|------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | LUNGHEZZA [MM] | | | | | | | | | | | |
| | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
| C9C002 | 3.75 | 5.03 | 6.23 | 7.54 | 8.66 | 9.68 | 10.58 | 11.37 | 12.06 | 12.66 | 13.19 | 13.65 |
| C9C003 | 6.91 | 8.91 | 11.05 | 13.21 | 15.31 | 17.32 | 19.19 | 20.91 | 22.47 | 23.89 | 25.17 | 26.32 |
| C9K020 | 75.82 | 92.55 | 110.22 | 127.97 | 145.17 | 161.41 | 176.47 | 190.24 | 202.72 | 213.95 | 224.04 | 233.06 |
| C9K030 | 75.80 | 92.65 | 110.44 | 238.33 | 145.66 | 162.03 | 177.21 | 191.10 | 203.68 | 215.02 | 225.19 | 234.30 |
| C9K120 | 61.85 | 72.00 | 83.52 | 96.00 | 109.09 | 122.46 | 135.83 | 148.97 | 161.73 | 173.97 | 185.62 | 196.64 |
| C9K121 | 55.89 | 64.77 | 74.45 | 84.49 | 94.55 | 104.35 | 113.72 | 122.54 | 130.74 | 138.30 | 145.23 | 151.56 |
| C9V001 | 15.23 | 19.51 | 23.77 | 27.79 | 31.48 | 34.78 | 37.7 | 40.25 | 42.48 | 44.42 | 46.1 | 47.57 |
| C9V051 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 |



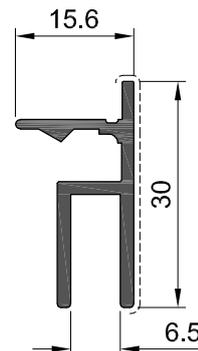
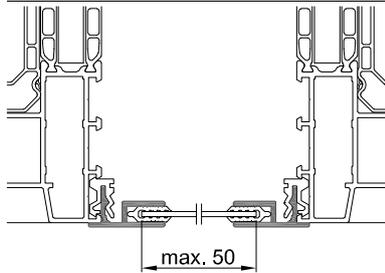
Profilati vari

FINESTRE - PROFILATI DI FINITURA



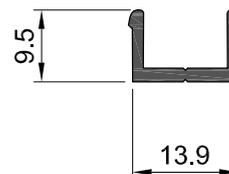
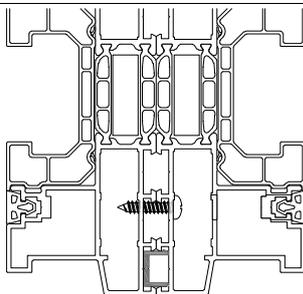
Z9A016

| | | |
|-----------------------------|------------------------|-------|
| | (dm ² /m) | 10.9 |
| | (dm ² /m) | 2.65 |
| $\gamma \frac{x}{x} \gamma$ | lxx (cm ⁴) | 0.27 |
| $\gamma \frac{x}{x} \gamma$ | lyy (cm ⁴) | 0.59 |
| | - | m 6.0 |



Z9C005

| | | |
|-----------------------------|------------------------|-------|
| | (dm ² /m) | 13.86 |
| | (dm ² /m) | 3.35 |
| $\gamma \frac{x}{x} \gamma$ | lxx (cm ⁴) | 0.21 |
| $\gamma \frac{x}{x} \gamma$ | lyy (cm ⁴) | 0.78 |
| | - | m 6.0 |



Z9C030

| | | |
|-----------------------------|------------------------|-------|
| | (dm ² /m) | 6.24 |
| | (dm ² /m) | 0 |
| $\gamma \frac{x}{x} \gamma$ | lxx (cm ⁴) | 0.13 |
| $\gamma \frac{x}{x} \gamma$ | lyy (cm ⁴) | 0.04 |
| | - | m 6.0 |



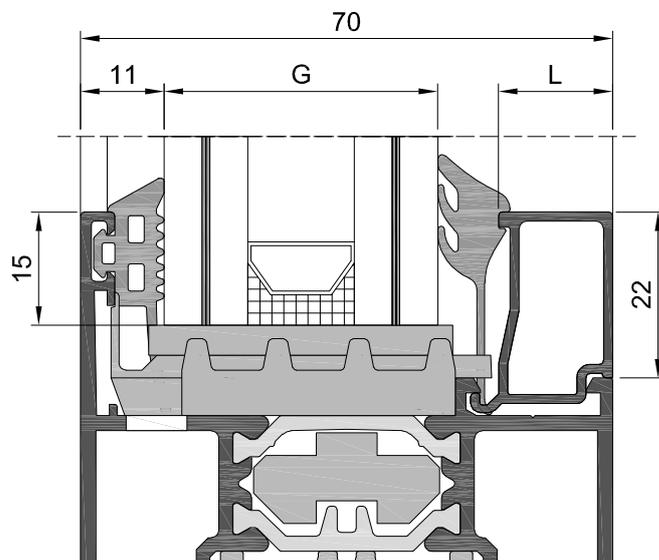
Vetratura

SCELTA FERMAVETRI E GUARNIZIONI

- Lo spessore del vetro dipende da:
 - * pressione dinamica base del vento
 - * caratteristiche della vetratura, sue dimensioni e applicazioni
 - * applicazione
 - * posizione
- Il vetro e la sua installazione devono essere conformi alle direttive vigenti e le specifiche del produttore autorizzato (vetro isolante deve avere una licenza tecnica)
- Prima della installazione del vetro verificarne lo spessore, le dimensioni e la geometria dei volumi con le direttive e specifiche.

TABELLA VETRATURA

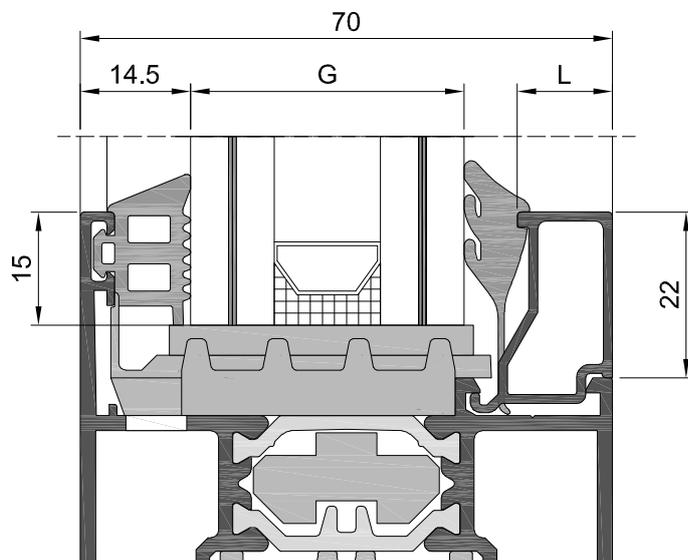
VETRATURA CON RU0004



| G (MM) |  | | | L (MM) |  TUBOLARE |
|-----------|---|------------|------------|-----------|---|
| | 39R506 | 39R507 | 39R508 | | |
| | 4 - 6 MM | 6 - 7.5 MM | 7.5 - 9 MM | | |
| 23 | | • | | 30 | GC2330 |
| 24 | | | • | 27.5 | GC2327 |
| 25 | | • | | 27.5 | GC2327 |
| 26 | • | | | 27.5 | GC2327 |
| 27 | | • | | 25 | GC2325 |
| 28 | | • | | 25 | GC2325 |
| 29 | | | • | 22.5 | GC2322 |
| 30 | | • | | 22.5 | GC2322 |
| 31 | • | | | 22.5 | GC2322 |
| 32 | | • | | 20 | GC2320 |
| 33 | | • | | 20 | GC2320 |
| 34 | | | • | 17.5 | GC2317 |
| 35 | | • | | 17.5 | GC2317 |
| 36 | • | | | 17.5 | GC2317 |
| 37 | | • | | 15 | GC2315 |
| 38 | | • | | 15 | GC2315 |
| 39 | | | • | 12.5 | GC2312 |
| 40 | | • | | 12.5 | GC2312 |
| 41 | • | | | 12.5 | GC2312 |
| 42 | | • | | 10 | GC2310 |
| 43 | | • | | 10 | GC2310 |

| G (MM) |  | | | L (MM) |  STANDARD |
|-----------|---|------------|------------|-----------|---|
| | 39R506 | 39R507 | 39R508 | | |
| | 4 - 6 MM | 6 - 7.5 MM | 7.5 - 9 MM | | |
| 44 | | | • | 7.5 | GC0307 |
| 45 | | • | | 7.5 | GC0307 |
| 46 | • | | | 7.5 | GC0307 |
| 49 | | • | | 3 | GC0303 |
| 50 | | • | | 3 | GC0303 |

VETRATURA CON RU0002

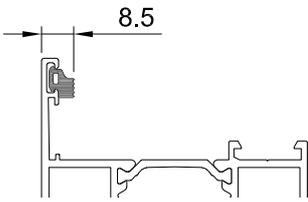
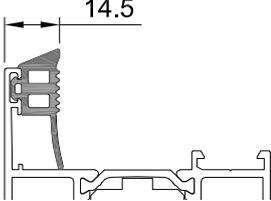
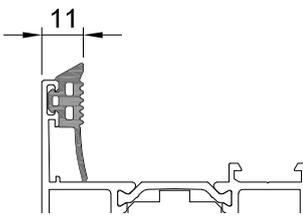


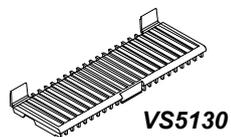
| G (MM) |  | | | L (MM) |  |
|-----------|---|------------|------------|-----------|---|
| | 39R506 | 39R507 | 39R508 | | |
| | 4 - 6 MM | 6 - 7.5 MM | 7.5 - 9 MM | | CLASSIC |
| 23 | | | • | 25 | GC2325 |
| 24 | | • | | 25 | GC2325 |
| 25 | • | | | 25 | GC2325 |
| 26 | | • | | 22.5 | GC2322 |
| 27 | | • | | 22.5 | GC2322 |
| 28 | | | • | 20 | GC2320 |
| 29 | | • | | 20 | GC2320 |
| 30 | • | | | 20 | GC2320 |
| 31 | | • | | 17.5 | GC2317 |
| 32 | | • | | 17.5 | GC2317 |
| 33 | | | • | 15 | GC2315 |
| 34 | | • | | 15 | GC2315 |
| 35 | • | | | 15 | GC2315 |
| 36 | | • | | 12.5 | GC2312 |
| 37 | | • | | 12.5 | GC2312 |
| 38 | | | • | 10 | GC2310 |
| 39 | | • | | 10 | GC2310 |
| 40 | • | | | 10 | GC2310 |

| G (MM) |  | | | L (MM) |  |
|-----------|---|------------|------------|-----------|---|
| | 39R506 | 39R507 | 39R508 | | |
| | 4 - 6 MM | 6 - 7.5 MM | 7.5 - 9 MM | | |
| 41 | | • | | 7.5 | GC0307 |
| 42 | | • | | 7.5 | GC0307 |
| 45 | | | • | 3 | GC0303 |
| 46 | | • | | 3 | GC0303 |
| 47 | • | | | 3 | GC0303 |



| TUBOLARE | | | | | | |
|-----------|---------------|--------------------------|--------------------------|--|--|--|
| | | | | | | |
| L [mm] | CLASSICO | [dm ² / m] | [dm ² / m] | | | |
| 3 | GC0303 | 9.11 | 2.51 | | | |
| 7.5 | GC0307 | 11.40 | 2.96 | | | |
| 10 | GC2310 | 8.99 | 3.21 | | | |
| 12.5 | GC2312 | 9.13 | 3.47 | | | |
| 15 | GC2315 | 9.29 | 3.72 | | | |
| 17.5 | GC2317 | 9.53 | 3.97 | | | |
| 20 | GC2320 | 9.86 | 4.22 | | | |
| 22.5 | GC2322 | 10.26 | 4.46 | | | |
| 25 | GC2325 | 10.68 | 4.72 | | | |
| 27.5 | GC2327 | 11.16 | 4.96 | | | |
| 30 | GC2330 | 11.53 | 5.21 | | | |

| | |
|---|-----------------------|
|  <p>8.5</p> | <p>210-003</p> |
|  <p>14.5</p> | <p>RU0002</p> |
|  <p>11</p> | <p>RU0004</p> |

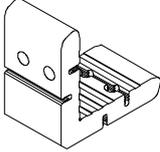




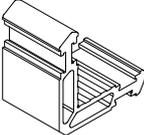
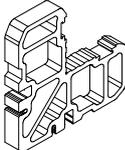
Accessori



SQUADRETTE - SQUADRETTE CON SPINE CONICHE

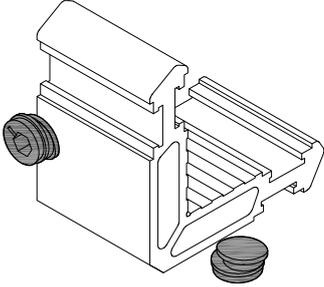
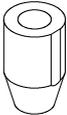
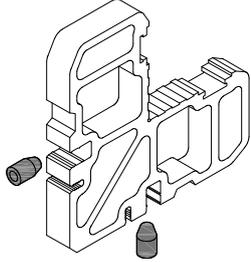
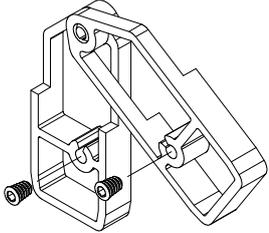
| DISEGNO | CODICE |  H x B (MM) | PROFILATO | Da ordinare a parte |
|---|---------------|---|--|---------------------|
|  | HV2W11 | 14 x 42.1 | C9K020 - - - - C9K030 - - - - C9K120 - | 4 x 71C011 |

SQUADRETTE - SQUADRETTE CON ECCENTRICO

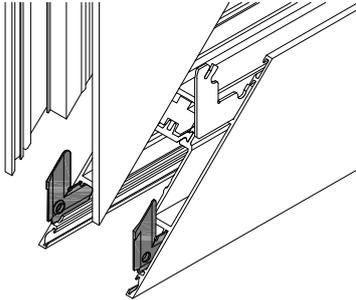
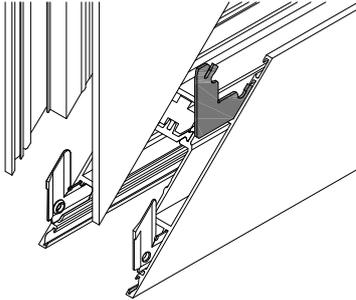
| DISEGNO | CODICE |  H x B (MM) | PROFILATO | Da ordinare a parte |
|---|---------------|---|---|---------------------------|
|  | HV0G03 | 14.5 x 42 | C9K020 - - - - C9K030 - - - - C9K120 - - - - - - - - - - - - - - - - | 4 x 778-500 |
|  | HV3H26 | 44.5 x 13.2 | C9V001 - - - - C9V051 - | 2 x 778-500 2 x 71C011 |



SQUADRETTE - ACCESSORI PER SQUADRETTE

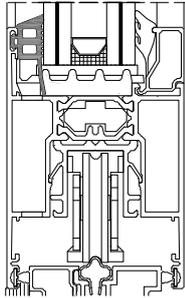
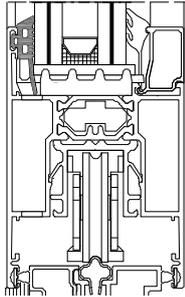
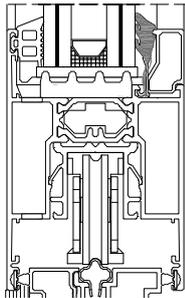
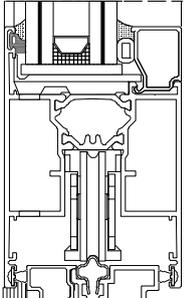
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|----------------|------|-----------------------------------|--|
|  | 778-500 | | Eccentrico in zama |  |
|  | 71C011 | | Spina conica in zama Ø8 x 13.5 mm |  |
|  | SCZ810 | | Vite in acciaio inossidabile |  |

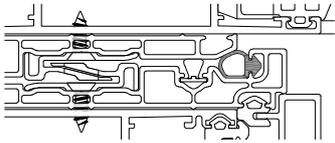
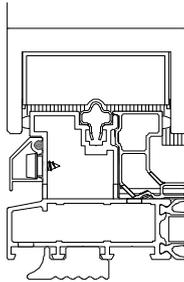
SQUADRETTE - SQUADRETTE DI ALLINEAMENTO

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | HV4K00 | | Squadretta allineamento in acciaio inossidabile |  |
|  | HV4K01 | | Squadretta allineamento in acciaio inossidabile |  |



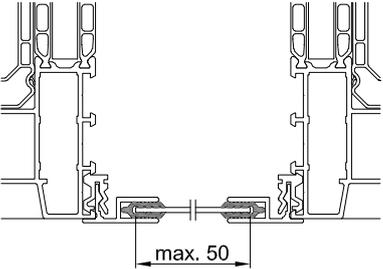
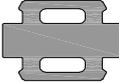
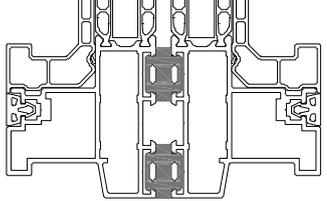
GUARNIZIONI - FINESTRE

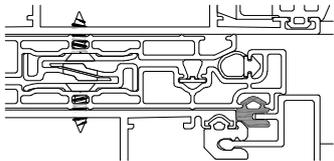
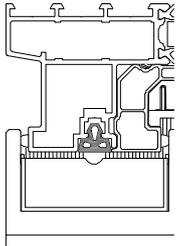
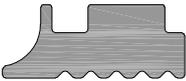
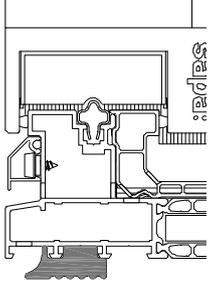
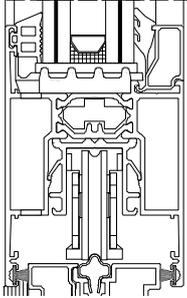
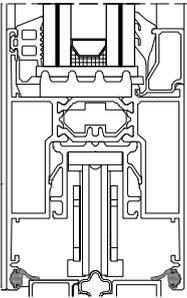
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|----------------|-----------------------------|---|---|
|  | RU0002 | | Guarnizione esterna per vetratura in EPDM nero, spessore 10 mm |  |
|  | RU0004 | | Guarnizione esterna per vetratura in EPDM nero, spessore 6.5 mm |  |
|  | 39R506 | 4 - 6 Marcatura blu | Guarnizione interna per vetratura in EPDM nero |  |
| | 39R507 | 6 - 7.5 Marcatura verde | | |
| | 39R508 | 7.5 - 9 Marcatura bianca | | |
|  | 210-003 | | Guarnizione esterna per vetratura in EPDM nero |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|----------------|------|--|---|
|  | RU9095 | | Guarnizione tenuta labirinto in EPDM nero |  |
|  | 213-006 | | Guarnizione di sigillatura in EPDM nero, Ø4 mm |  |



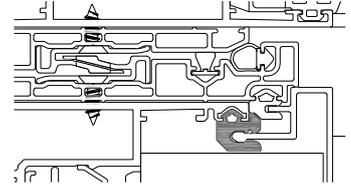
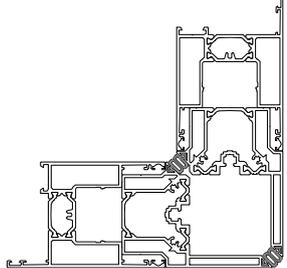
GUARNIZIONI - VARIE

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | 71R200 | | Guarnizione in EPDM giunti dilatazione disponibile in nero |  |
|  | RU9022 | | Guarnizione in EPDM accoppiamento telai disponibile in nero |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | RU9703 | | Guarnizione di posizionamento su labirinto in EPDM nero |  |
|  | RU9704 | | Guarnizione copri-canale in EPDM nero |  |
|  | RU9079 | | Guarnizione soglia in EPDM nero |  |
|  | KU6004 | | Guarnizione tenuta ante in Q-lon nero |  |
|  | RU0099 | | Guarnizione di battuta in EPDM nero |  |



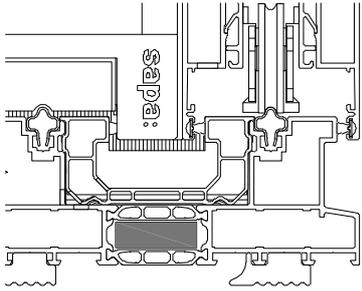
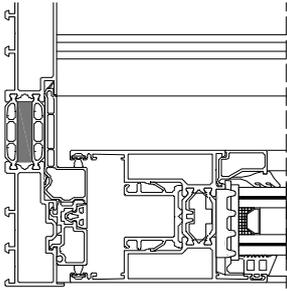
GUARNIZIONI - GUARNIZIONI DI SISTEMA

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--------------------------------------|---|
|  | RU9094 | | Guarnizione tenuta ante in EPDM nero |  |
|  | RU4033 | | Guarnizione di battuta in EPDM nero |  |

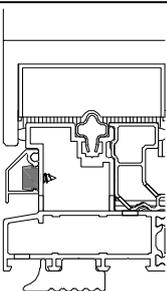
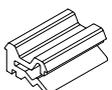
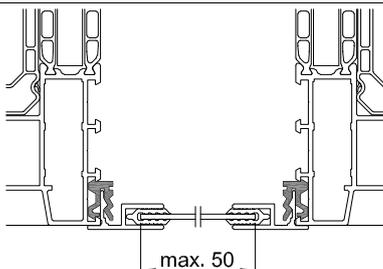


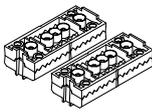
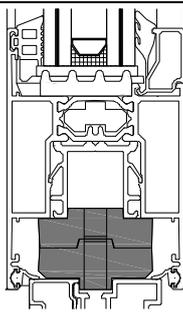
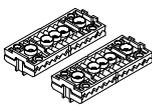
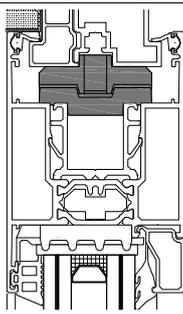
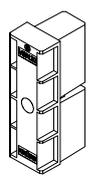
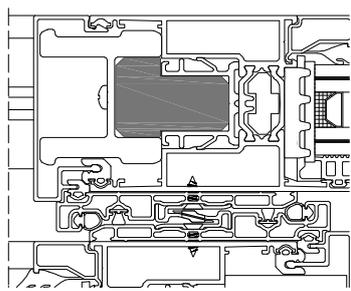
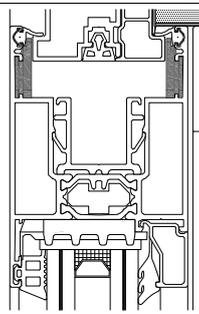
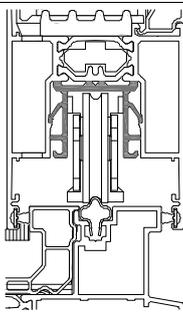
ACCESSORI - FINESTRE

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---------|---------------|------|---|--------------|
| | VS5130 | | Supporto vetratura, nero | |
| | KU5001 | | Profilo PE foam con striscia adesiva per profilato anta | |
| | BT6000 | | Isolatore termico in PE foam, in nero | |

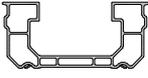
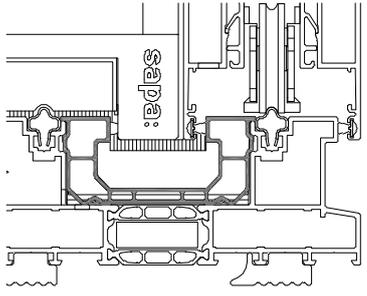
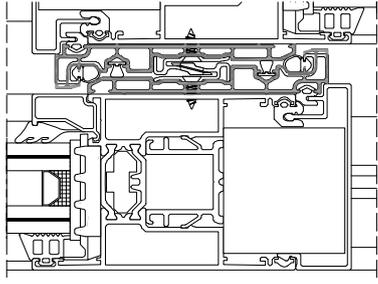
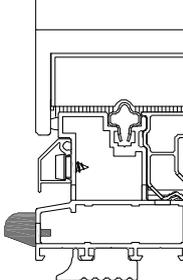
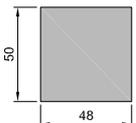
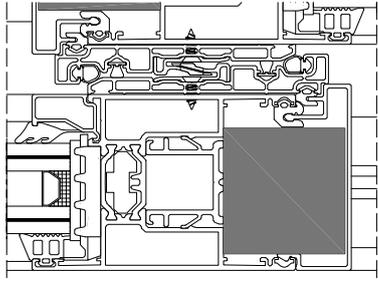
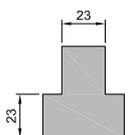
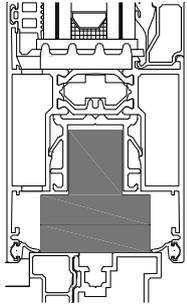
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---------------------------------------|---|
|  | BT6006 | | Isolatore termico in PE foam, in nero |  |
|  | BT6019 | | Isolatore termico in PE foam, in nero |  |

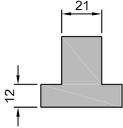
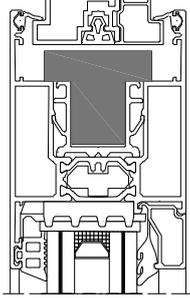
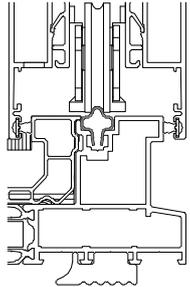
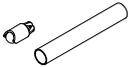
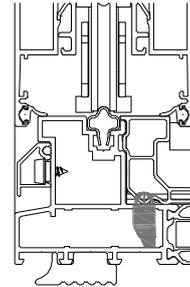
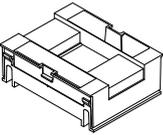
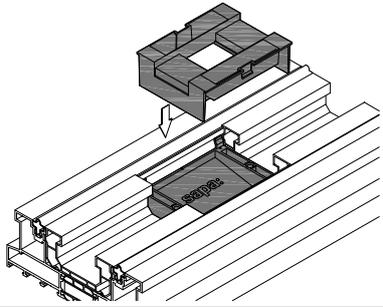
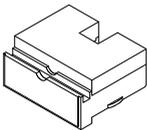
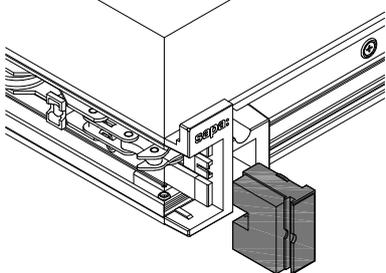


| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | CO2279 | | Clips in alluminio per profilati di finitura |  |
|  | 71P003 | | Clips in nylon per profilati di finitura disponibile in nero |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | VS5128 | | Supporto inferiore per rendere fissa l'anta alzante-scorrevole |  |
|  | VS5129 | | Supporto superiore per rendere fissa l'anta alzante-scorrevole |  |
|  | VS5132 | | Supporto rinforzo |  |
|  | VS5131 | | Guida anti scarrucolamento |  |
|  | KU2027 | | Profilo di isolamento ferramenta |  |

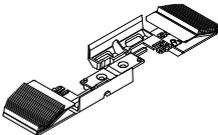
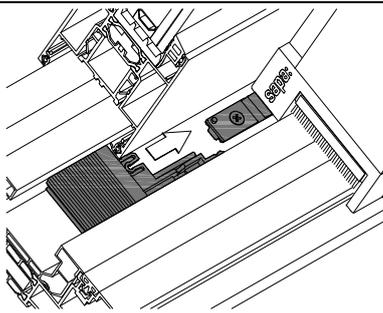
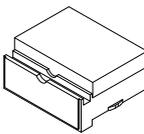
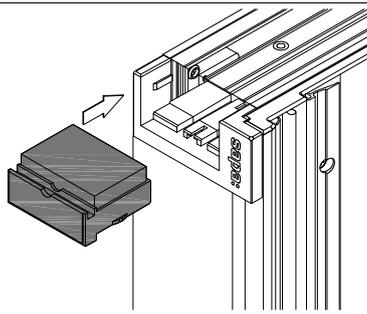
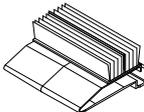
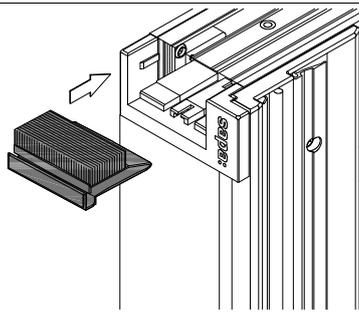
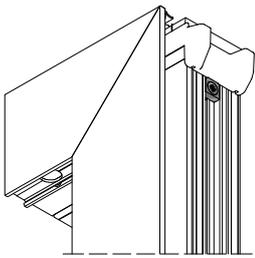
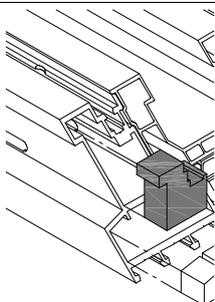
ACCESSORI - ACCESSORI DI SISTEMA

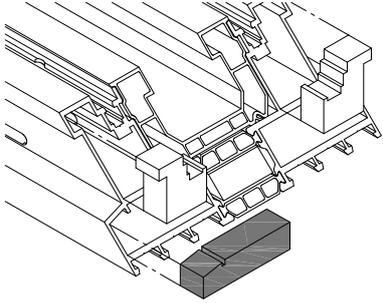
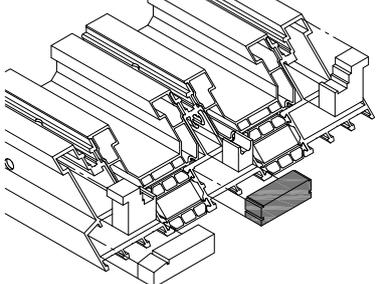
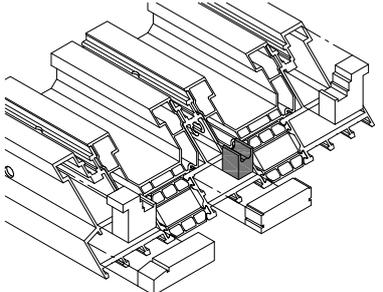
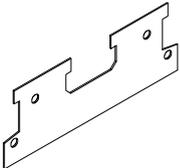
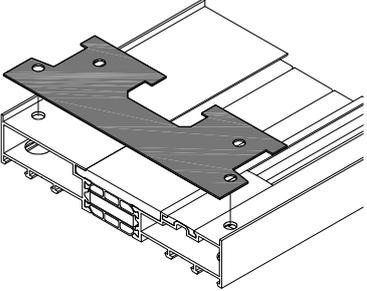
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|-----------------|------|-----------------------------|---|
|  | KU2028 | | Profilo di isolamento |  |
|  | KU2029 | | Labirinto centrale isolato |  |
|  | D4074009 | | Cappetta di drenaggio |  |
|  | BT6013 | | Isolante termico in PE foam |  |
|  | BT6015 | | Isolante termico in PE foam |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | BT6026 | | Isolante termico in PE foam |  |
|  | CO1103 | | Guida in acciaio |  |
|  | VS0107 | | Cappetta di drenaggio con pallina |  |
|  | CO1105 | | Tappo tenuta centrale inferiore |  |
|  | CO1127 | | Tappo tenuta centrale inferiore anta centrale 3 binari (con VS9163) |  |

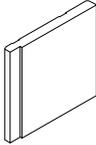
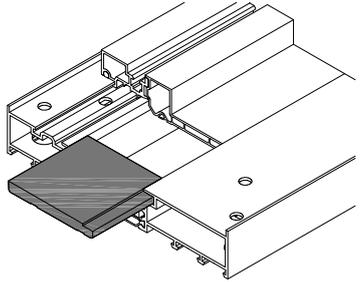
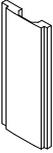
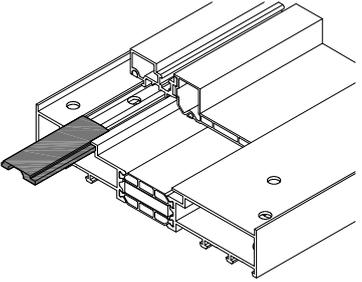
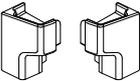
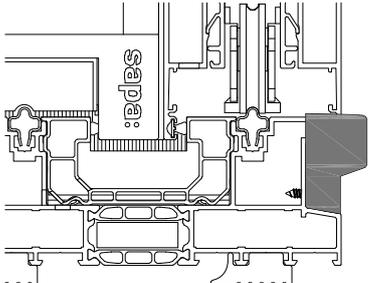
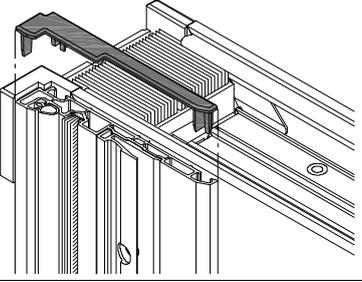
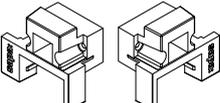
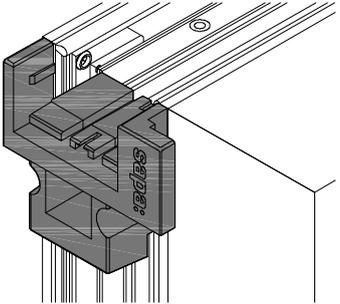


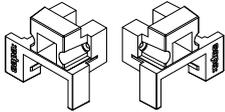
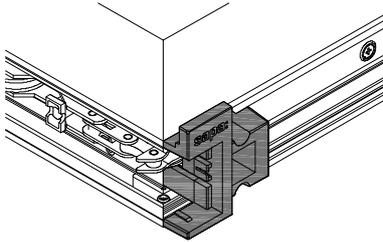
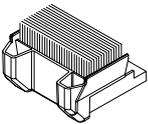
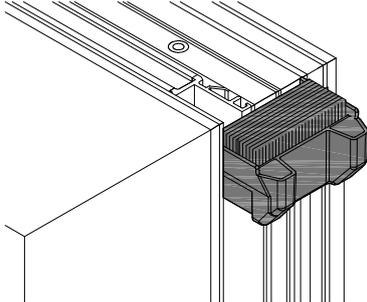
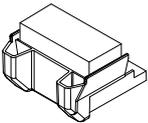
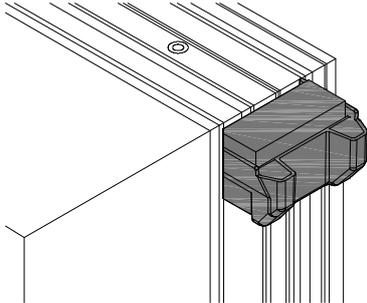
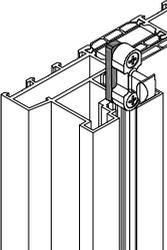
ACCESSORI - ACCESSORI DI SISTEMA

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | CO1111 | | Tappo di tenuta centrale superiore telaio esterno - alzante-scorrevole |  |
|  | CO1107 | | Tappo tenuta centrale inferiore |  |
|  | CO1110 | | Tappo tenuta centrale profilo labirinto centrale alzante-scorrevole |  |
|  | CO1214 | | Clip per tappo di tenuta |  |
|  | VS9950 | | Tappo di tenuta |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | VS9951 | | Tappo di tenuta |  |
|  | VS9964 | | Tappo di tenuta |  |
|  | VS9965 | | Tappo di tenuta |  |
|  | VS9956 | | Tappo di sigillatura sagomato tagli a 90° soglia |  |

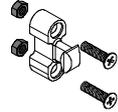
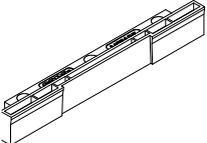
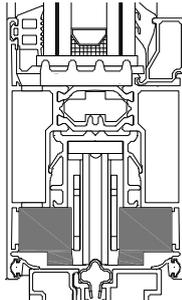
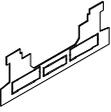
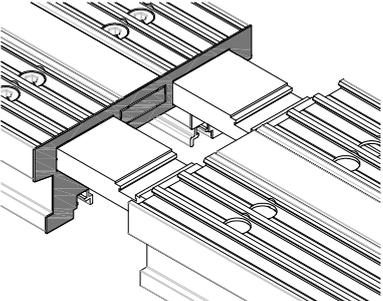
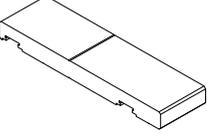
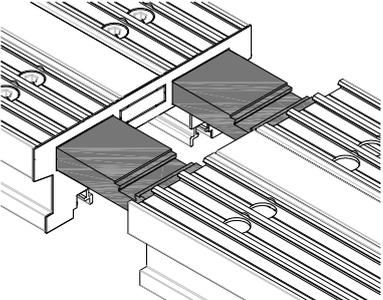
ACCESSORI - ACCESSORI DI SISTEMA

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---------------------------------|---|
|  | VS9957 | | Tappo di tenuta per tagli a 90° |  |
|  | CO0132 | | Tappo riempimento tagli a 90° |  |
|  | VS2404 | | Tappo terminale per C9A004 |  |
|  | VS9148 | | Tappo terminale |  |
|  | VS9149 | | Tappo terminale |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | VS9163 | | Tappo terminale (con CO1127) |  |
|  | CO1118 | | Tappo terminale per C9C002 |  |
|  | CO1125 | | Tappo di tenuta per C9C002 - Alzante-scorrevole - inferiore |  |
|  | CO2211 | | Spessore |  |



ACCESSORI - ACCESSORI DI SISTEMA

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|-------|--|---|
|  | SCG641 | | Dado - M5 DIN 934 |  |
|  | VS5135 | | Blocco centrale alzante-scorrevole |  |
|  | VS8002 | 161.5 | Tappo di tenuta per C9K020 / C9K120 |  |
| | VS8001 | 251 | Tappo di tenuta per C9K030 | |
|  | CO2251 | | connessione per C9K020 / C9K120 / C9K030 |  |



| | |
|---|------|
|  | |
| DIN 916 - ST.ST. - A2 | |
| 702-939 | M5x5 |

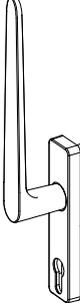
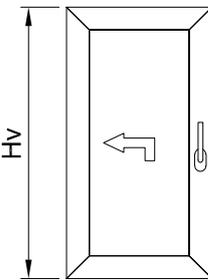
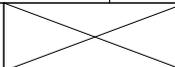
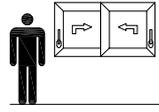
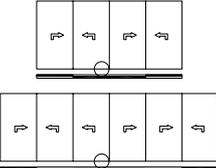
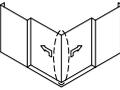
| | |
|---|---------|
|  | |
| DIN 7981C - ST.ST. - A2 | |
| 787-570 | Ø6,3x32 |

| | |
|---|-------|
|  | |
| DIN 965 - ST.ST. - A2 | |
| 80H520 | M5x20 |

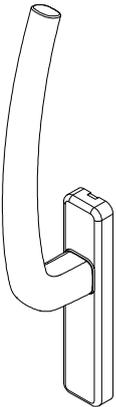
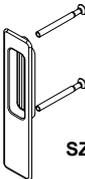
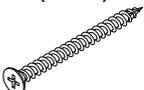
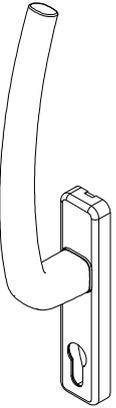
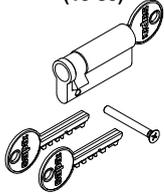
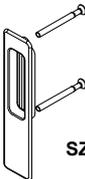
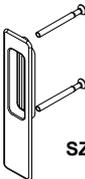
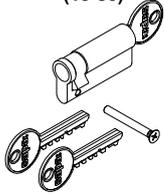
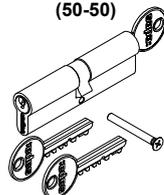
| | |
|---|---------|
|  | |
| DIN 7982C - ST.ST. - A2 | |
| 82L416 | Ø4,2x16 |

Selezione ferramenta

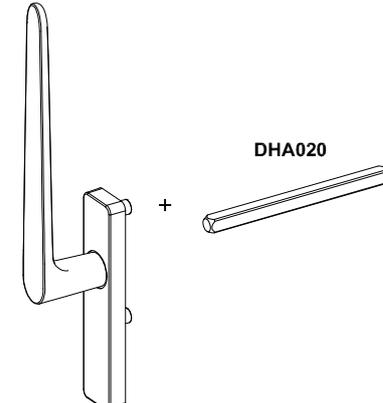
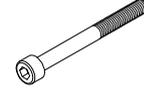
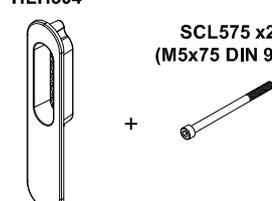
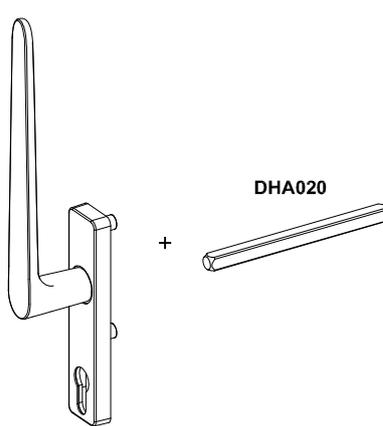
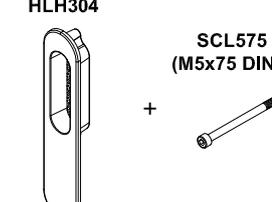
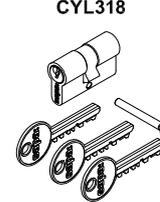
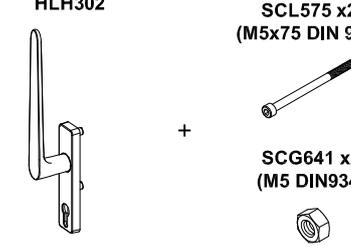


| | | | |
|--|---|---|---|
|   F.1.2 | |   F.1.3 | |
|  Hv |  | Hv |  |
| |  | 1904 - 2803 | F.1.5 |
| | | 2804 - 3403 | F.1.6 |
|  | 1303 - 1903 | F.1.4 | |
| +  | | F.1.8 | |
| +  | | F.1.7 | |

MANIGLIE STANDARD

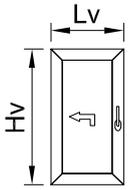
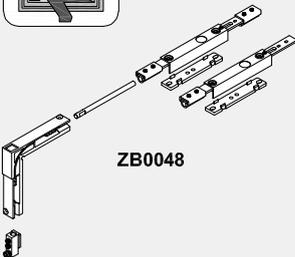
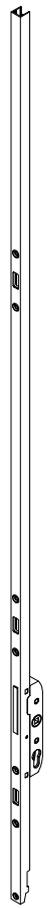
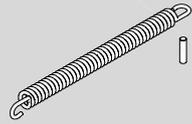
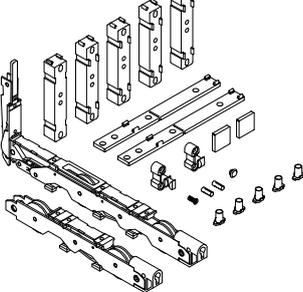
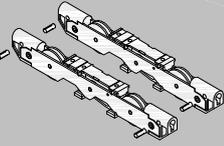
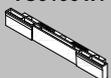
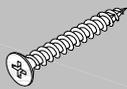
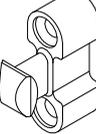
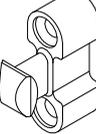
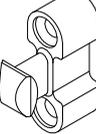
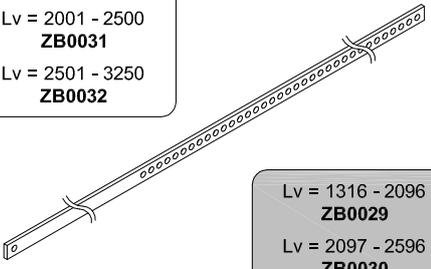
| MANIGLIA INTERNA | MANIGLIA ESTERNA | CILINDRO | CHIUSURA SUPPL. |
|--|--|--|---|
| <p>SZB0080</p>  | <p>SDHA031</p>  |  <p>SZB0083</p> | <p>SCZ816 (Ø5x60)</p>  |
| | <p>SDHA031</p>  | | |
| <p>SZB0081</p>  | <p>SDHA034</p>  | <p>SZB0082</p>  | <p>CYL102 (10-50)</p>  |
| | <p>SDHA031</p>  |  <p>SZB0083</p> | |
| <p>SZB0081</p>  | <p>SDHA031</p>  |  <p>SZB0083</p> | <p>CYL102 (10-50)</p>  |
| | <p>SDHA034</p>  | <p>SZB0082</p>  | <p>CYL318 (50-50)</p>  |

MANIGLIE S-LINE (HARMONY)

| MANIGLIA INTERNA | CILINDRO | MANIGLIA ESTERNA | CHIUSURA SUPPL. | |
|---|---|--|--|---|
| <p>HLH301</p>  | - | <p>SCL550 x2 (M5x50 DIN 912)</p>  | <p>(Ø5x60)</p>  | |
| | | or | | <p>HLH304</p>  <p>SCL575 x2 (M5x75 DIN 912)</p> |
| or | | | | |
| <p>HLH302</p>  | <p>CYL102</p>  | <p>SCL550 x2 (M5x50 DIN 912)</p>  | - | |
| | | or | | <p>HLH304</p>  <p>SCL575 x2 (M5x75 DIN 912)</p> |
| | <p>CYL318</p>  | <p>HLH302</p>  <p>SCL575 x2 (M5x75 DIN 912)</p> <p>SCG641 x2 (M5 DIN934)</p> | | |

ALZANTE-SCORREVOLE

Hv = 1303 - 1903

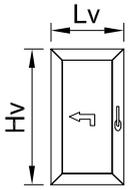
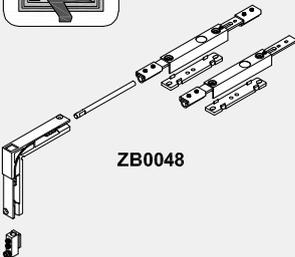
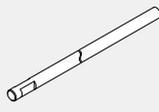
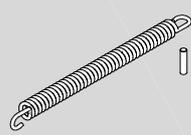
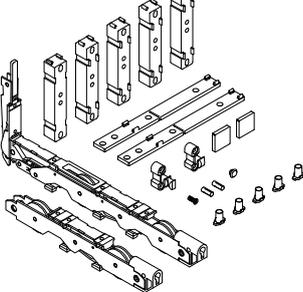
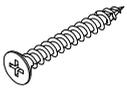
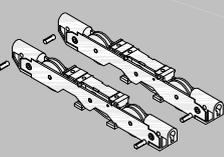
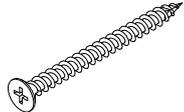
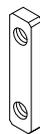
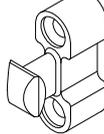
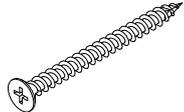
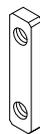
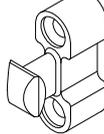
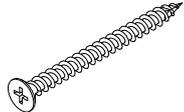
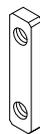
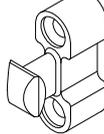
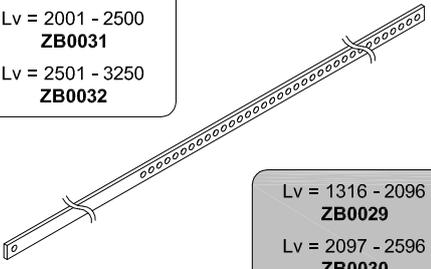
| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|------------------|------------------|--|------------------|------------------|--|------------------|--|---|--|------------------|---|--|------------------|
|  |   <p>ZB0048</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Hv + Lv ≤ 5258 ZB0049 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Hv + Lv > 5258 ZB0050 </div> | | | | | | | | | | | | | | | | | | | | | |
| + | | <p>ZB0033</p>  | <div style="border: 1px solid black; padding: 5px; width: fit-content;">  = 101 - 200 kg ZB0053 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;">  = 201 - 400 kg ZB0054 </div>  | | | | | | | | | | | | | | | | | | | |
| + | | <p>ZB0040</p>  | <p>(Ø4.2x45) x2 (DIN7982C-H)</p>  <p>(Ø5x40) x5</p>  <p>VS5135 x4</p>  <p>(Ø4.8x22) x12 (DIN7504N-Z)</p>  | | | | | | | | | | | | | | | | | | | |
| + | | <p>SV0032</p>  | <div style="border: 1px solid black; padding: 5px; width: fit-content;">  = 301 - 400 kg </div> <p>VS5135 x4</p>  <p>(Ø4.8x22) x12 (DIN7504N-Z)</p>  <p>(Ø5x40) x4</p>  | | | | | | | | | | | | | | | | | | | |
| | | + | | <table border="1"> <tr> <td data-bbox="901 291 1125 616">  <p>(Ø5x40)</p>  </td> <td data-bbox="1125 291 1252 616"></td> <td data-bbox="1252 291 1396 616">  <p>x5</p> </td> </tr> <tr> <td data-bbox="901 616 1125 817"> <p>(Ø5x60)</p>  </td> <td data-bbox="1125 616 1252 817"> <p>x5</p> </td> <td data-bbox="1252 616 1396 817"> <p>x6</p> </td> </tr> <tr> <td data-bbox="901 817 1125 952"> <p>80H520 (M5x20 DIN965)</p>  </td> <td data-bbox="1125 817 1252 952"> <p>x4</p> </td> <td data-bbox="1252 817 1396 952"> <p>x6</p> </td> </tr> <tr> <td data-bbox="901 952 1125 1041"> <p>SCG641 (M5 DIN934)</p>  </td> <td data-bbox="1125 952 1252 1041"> <p>x4</p> </td> <td data-bbox="1252 952 1396 1041"></td> </tr> <tr> <td data-bbox="901 1041 1125 1232"> <p>CO2211</p>  </td> <td data-bbox="1125 1041 1252 1232"></td> <td data-bbox="1252 1041 1396 1232"> <p>x3</p> </td> </tr> <tr> <td data-bbox="901 1232 1125 1444"> <p>SF3925</p>  </td> <td data-bbox="1125 1232 1252 1444"></td> <td data-bbox="1252 1232 1396 1444"> <p>x1</p> </td> </tr> </table> |  <p>(Ø5x40)</p>  | |  <p>x5</p> | <p>(Ø5x60)</p>  | <p>x5</p> | <p>x6</p> | <p>80H520 (M5x20 DIN965)</p>  | <p>x4</p> | <p>x6</p> | <p>SCG641 (M5 DIN934)</p>  | <p>x4</p> | | <p>CO2211</p>  | | <p>x3</p> | <p>SF3925</p>  | | <p>x1</p> |
|  <p>(Ø5x40)</p>  | |  <p>x5</p> | | | | | | | | | | | | | | | | | | | | |
| <p>(Ø5x60)</p>  | <p>x5</p> | <p>x6</p> | | | | | | | | | | | | | | | | | | | | |
| <p>80H520 (M5x20 DIN965)</p>  | <p>x4</p> | <p>x6</p> | | | | | | | | | | | | | | | | | | | | |
| <p>SCG641 (M5 DIN934)</p>  | <p>x4</p> | | | | | | | | | | | | | | | | | | | | | |
| <p>CO2211</p>  | | <p>x3</p> | | | | | | | | | | | | | | | | | | | | |
| <p>SF3925</p>  | | <p>x1</p> | | | | | | | | | | | | | | | | | | | | |
| | | + | | <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 720 - 1500 ZB0029 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;">  ≤ 300 kg </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 1501 - 2000 ZB0030 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 2001 - 2500 ZB0031 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 2501 - 3250 ZB0032 </div>  <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 1316 - 2096 ZB0029 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 2097 - 2596 ZB0030 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 2597 - 3096 ZB0031 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Lv = 3097 - 3846 ZB0032 </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;">  = 301 - 400 kg </div> | | | | | | | | | | | | | | | | | | |

Hv = 1904 - 2803

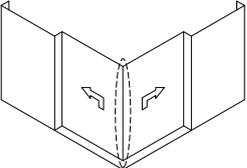
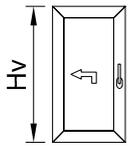
| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|----------------|----|----|----------------|----|----|----------------------------------|----|----|---------------------------|----|----|---------------|----|----|---------------|----|----|
| | <p>ZB0048</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Hv + Lv ≤ 5258 ZB0049 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Hv + Lv > 5258 ZB0050 </div> | | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Hv = 1904 - 2203 ZB0034 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Hv = 2204 - 2503 ZB0035 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Hv = 2504 - 2803 ZB0036 </div> | <div style="border: 1px solid black; padding: 2px; width: fit-content;"> = 101 - 200 kg ZB0053 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> = 201 - 400 kg ZB0054 </div> | <table border="1"> <tr> <td data-bbox="975 427 1203 613"> <p>(Ø5x40)</p> </td> <td data-bbox="1203 427 1334 613" style="text-align: center;">x5</td> <td data-bbox="1334 427 1461 613" style="text-align: center;">x5</td> </tr> <tr> <td data-bbox="975 613 1203 815"> <p>(Ø5x60)</p> </td> <td data-bbox="1203 613 1334 815" style="text-align: center;">x8</td> <td data-bbox="1334 613 1461 815" style="text-align: center;">x9</td> </tr> <tr> <td data-bbox="975 815 1203 954"> <p>80H520 (M5x20 DIN965)</p> </td> <td data-bbox="1203 815 1334 954" style="text-align: center;">x4</td> <td data-bbox="1334 815 1461 954" style="text-align: center;">x8</td> </tr> <tr> <td data-bbox="975 954 1203 1043"> <p>SCG641 (M5 DIN934)</p> </td> <td data-bbox="1203 954 1334 1043" style="text-align: center;">x4</td> <td data-bbox="1334 954 1461 1043" style="text-align: center;">x4</td> </tr> <tr> <td data-bbox="975 1043 1203 1234"> <p>CO2211</p> </td> <td data-bbox="1203 1043 1334 1234" style="text-align: center;">x4</td> <td data-bbox="1334 1043 1461 1234" style="text-align: center;">x4</td> </tr> <tr> <td data-bbox="975 1234 1203 1435"> <p>SF3925</p> </td> <td data-bbox="1203 1234 1334 1435" style="text-align: center;">x2</td> <td data-bbox="1334 1234 1461 1435" style="text-align: center;">x2</td> </tr> </table> | <p>(Ø5x40)</p> | x5 | x5 | <p>(Ø5x60)</p> | x8 | x9 | <p>80H520 (M5x20 DIN965)</p> | x4 | x8 | <p>SCG641 (M5 DIN934)</p> | x4 | x4 | <p>CO2211</p> | x4 | x4 | <p>SF3925</p> | x2 | x2 |
| <p>(Ø5x40)</p> | x5 | x5 | | | | | | | | | | | | | | | | | | |
| <p>(Ø5x60)</p> | x8 | x9 | | | | | | | | | | | | | | | | | | |
| <p>80H520 (M5x20 DIN965)</p> | x4 | x8 | | | | | | | | | | | | | | | | | | |
| <p>SCG641 (M5 DIN934)</p> | x4 | x4 | | | | | | | | | | | | | | | | | | |
| <p>CO2211</p> | x4 | x4 | | | | | | | | | | | | | | | | | | |
| <p>SF3925</p> | x2 | x2 | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| | <p>ZB0040</p> <p>(Ø4.2x45) x2 (DIN7982C-H)</p> <p>VS5135 x4</p> <p>(Ø4.8x22) x12 (DIN7504N-Z)</p> <p>(Ø5x40) x5</p> | <p>Lv = 720 - 1500 ZB0029</p> <p>Lv = 1501 - 2000 ZB0030</p> <p>Lv = 2001 - 2500 ZB0031</p> <p>Lv = 2501 - 3250 ZB0032</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> ≤ 300 kg </div> | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| <p>SV0032</p> | <div style="border: 1px solid black; padding: 2px; width: fit-content;"> = 301 - 400 kg </div> <p>VS5135 x4</p> <p>(Ø4.8x22) x12 (DIN7504N-Z)</p> <p>(Ø5x40) x4</p> | <div style="border: 1px solid black; padding: 2px; width: fit-content;"> = 301 - 400 kg </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Lv = 1316 - 2096 ZB0029 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Lv = 2097 - 2596 ZB0030 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Lv = 2597 - 3096 ZB0031 </div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> Lv = 3097 - 3846 ZB0032 </div> | | | | | | | | | | | | | | | | | | |

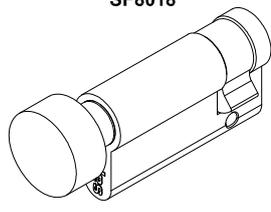
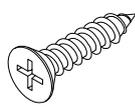
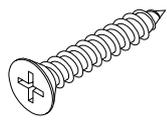
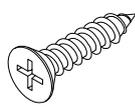
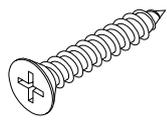
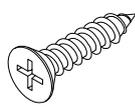
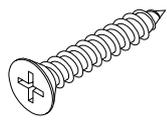
ALZANTE-SCORREVOLE

Hv = 2804 - 3403

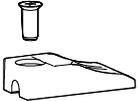
| | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|-------------------|-------------------|--|------------------|-------------------|--|------------------|--|---|--|------------------|---|------------------|------------------|
|  |   <p>ZB0048</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Hv + Lv ≤ 5258 ZB0049</p> <p>Hv + Lv > 5258 ZB0050</p> </div>  | | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| <p>Hv = 2804 - 3103 ZB0035</p> <p>Hv = 3104 - 3403 ZB0036</p> | <p>ZB0046</p>  <p>ZB0045</p>  | <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p> = 101 - 200 kg ZB0053</p> <p> = 201 - 400 kg ZB0054</p> </div>  | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
|  | <p>ZB0040</p>  <p>(Ø4.2x45) x2 (DIN7982C-H)</p>  <p>VS5135 x4</p>  <p>(Ø4.8x22) x12 (DIN7504N-Z)</p>  <p>(Ø5x40) x5</p>  | | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| <p>SV0032</p>  <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p> = 301 - 400 kg</p> </div> <p>VS5135 x4</p>  <p>(Ø4.8x22) x12 (DIN7504N-Z)</p>  <p>(Ø5x40) x4</p>  | | | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <tr> <td data-bbox="901 286 1125 616">  <p>(Ø5x40)</p>  </td> <td data-bbox="1125 286 1252 616"></td> <td data-bbox="1252 286 1396 616">  <p>x5</p> </td> </tr> <tr> <td data-bbox="901 616 1125 817"> <p>(Ø5x60)</p>  </td> <td data-bbox="1125 616 1252 817"> <p>x11</p> </td> <td data-bbox="1252 616 1396 817"> <p>x12</p> </td> </tr> <tr> <td data-bbox="901 817 1125 952"> <p>80H520 (M5x20 DIN965)</p>  </td> <td data-bbox="1125 817 1252 952"> <p>x6</p> </td> <td data-bbox="1252 817 1396 952"> <p>x10</p> </td> </tr> <tr> <td data-bbox="901 952 1125 1041"> <p>SCG641 (M5 DIN934)</p>  </td> <td data-bbox="1125 952 1252 1041"> <p>x6</p> </td> <td data-bbox="1252 952 1396 1041"></td> </tr> <tr> <td data-bbox="901 1041 1125 1232"> <p>CO2211</p>  </td> <td data-bbox="1125 1041 1252 1232"></td> <td data-bbox="1252 1041 1396 1232"> <p>x5</p> </td> </tr> <tr> <td data-bbox="901 1232 1125 1433"> <p>SF3925</p>  </td> <td data-bbox="1125 1232 1252 1433"> <p>x1</p> </td> <td data-bbox="1252 1232 1396 1433"> <p>x3</p> </td> </tr> </table> |  <p>(Ø5x40)</p>  | |  <p>x5</p> | <p>(Ø5x60)</p>  | <p>x11</p> | <p>x12</p> | <p>80H520 (M5x20 DIN965)</p>  | <p>x6</p> | <p>x10</p> | <p>SCG641 (M5 DIN934)</p>  | <p>x6</p> | | <p>CO2211</p>  | | <p>x5</p> | <p>SF3925</p>  | <p>x1</p> | <p>x3</p> |
|  <p>(Ø5x40)</p>  | |  <p>x5</p> | | | | | | | | | | | | | | | | | | |
| <p>(Ø5x60)</p>  | <p>x11</p> | <p>x12</p> | | | | | | | | | | | | | | | | | | |
| <p>80H520 (M5x20 DIN965)</p>  | <p>x6</p> | <p>x10</p> | | | | | | | | | | | | | | | | | | |
| <p>SCG641 (M5 DIN934)</p>  | <p>x6</p> | | | | | | | | | | | | | | | | | | | |
| <p>CO2211</p>  | | <p>x5</p> | | | | | | | | | | | | | | | | | | |
| <p>SF3925</p>  | <p>x1</p> | <p>x3</p> | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | |
| | | <div style="border: 1px solid black; padding: 5px;"> <p>Lv = 720 - 1500 ZB0029</p> <p>Lv = 1501 - 2000 ZB0030</p> <p>Lv = 2001 - 2500 ZB0031</p> <p>Lv = 2501 - 3250 ZB0032</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; float: right;"> <p> ≤ 300 kg</p> </div>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 10px;"> <p>Lv = 1316 - 2096 ZB0029</p> <p>Lv = 2097 - 2596 ZB0030</p> <p>Lv = 2597 - 3096 ZB0031</p> <p>Lv = 3097 - 3846 ZB0032</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 10px;"> <p> = 301 - 400 kg</p> </div> </div> | | | | | | | | | | | | | | | | | | |

ANGOLO GALLEGGIANTE

| <p>Hv = 2400 - 2550 SF2127</p> <p>Hv = 2551 - 2700 SF2129</p>  | <p>Hv = 2400 - 2550 SF3066</p> <p>Hv = 2551 - 2700 SF3068</p>  | <p style="text-align: center;">SF8018</p>  <p style="text-align: center;">+</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="text-align: center;">Hv</th> </tr> <tr> <th style="text-align: center;">2400 - 2550</th> <th style="text-align: center;">2551 - 2700</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> <p>82L416 (4.2x16) (DIN7982C)</p>  </td> <td style="text-align: center; vertical-align: middle;">x11</td> <td style="text-align: center; vertical-align: middle;">x13</td> </tr> <tr> <td style="text-align: center;"> <p>(4.2x16) (DIN7982C)</p>  </td> <td style="text-align: center; vertical-align: middle;">x9</td> <td style="text-align: center; vertical-align: middle;">x10</td> </tr> </tbody> </table> | | Hv | | 2400 - 2550 | 2551 - 2700 | <p>82L416 (4.2x16) (DIN7982C)</p>  | x11 | x13 | <p>(4.2x16) (DIN7982C)</p>  | x9 | x10 |
|--|--|---|--|----|--|-------------|-------------|--|-----|-----|--|----|-----|
| | Hv | | | | | | | | | | | | |
| | 2400 - 2550 | 2551 - 2700 | | | | | | | | | | | |
| <p>82L416 (4.2x16) (DIN7982C)</p>  | x11 | x13 | | | | | | | | | | | |
| <p>(4.2x16) (DIN7982C)</p>  | x9 | x10 | | | | | | | | | | | |

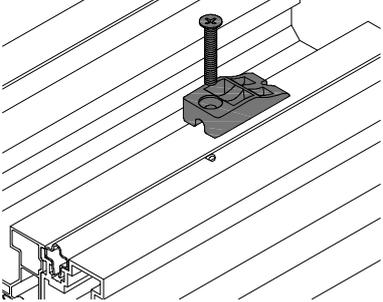
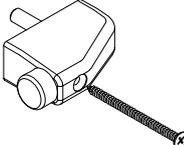
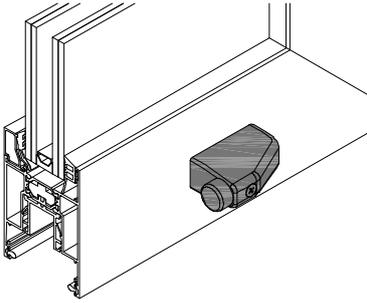
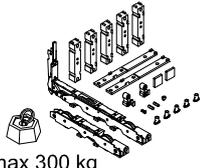
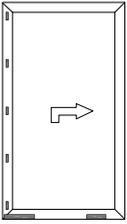
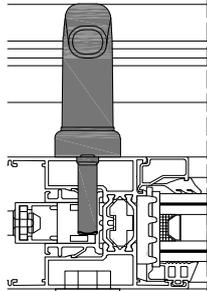
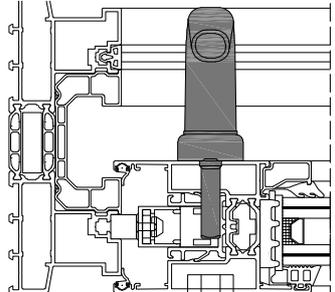
PEZZI SUPPLEMENTARI

| DISEGNO | CODICE | DESCRIZIONE |
|---|----------------------|---|
|  | <p>ZB0038</p> | <p>Punto di chiusura centrale nel caso di ante schema 4 ante, connessione a ZB0040</p> |
|  | <p>82L538</p> | <p>Viti autofilettanti Ø4.8x38 mm DIN 7982CHI</p> |



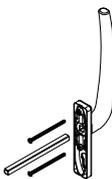
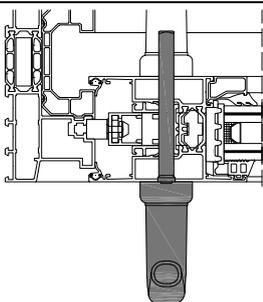
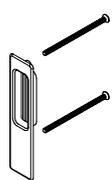
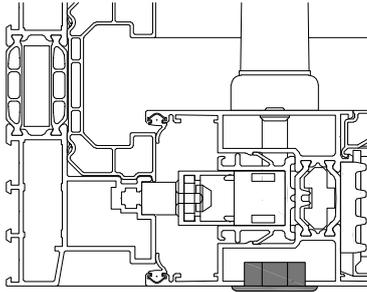
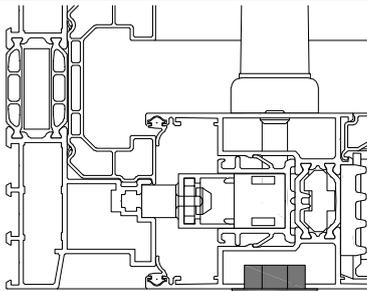
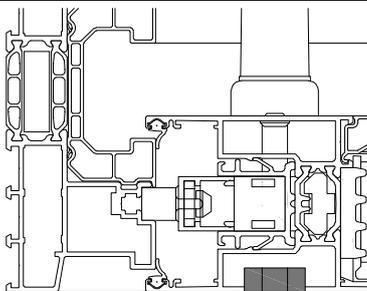
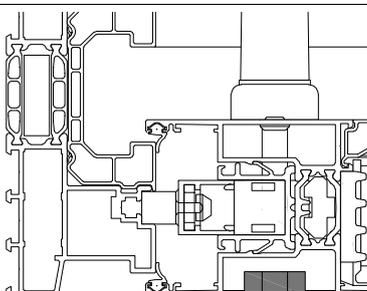
LISTA ARTICOLI FERRAMENTA

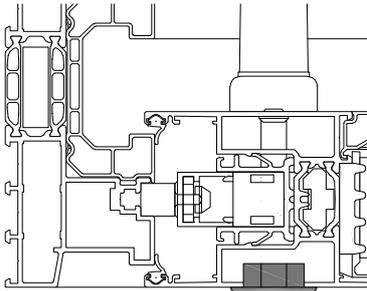
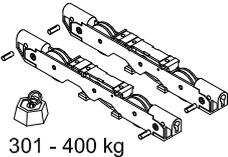
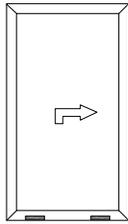
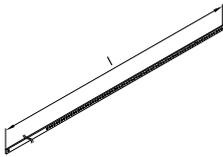
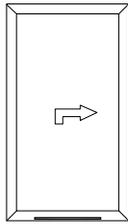
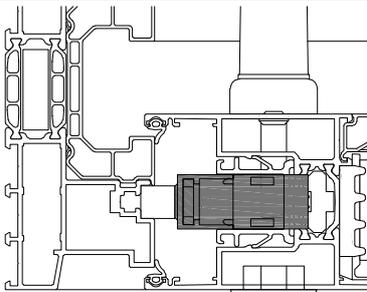
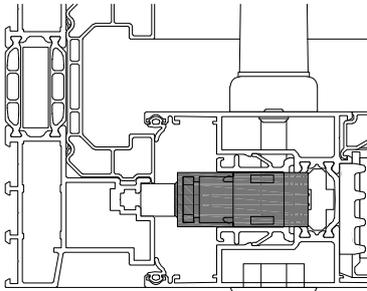
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---------|---------------|------|---|--------------|
| | ZB0045 | | Blocchetto supporto ferramenta | |
| | CYL102 | | Mezzo cilindro alzante- scorrevole 60/50/10 | |
| | CYL318 | | Cilindro alzante-scorrevole 100/50/50 | |
| | SF8018 | | Cilindro angolo galleggiante 35/10 | |
| | SF3925 | | Parte di bloccaggio alzante- scorrevole | |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|--|---------------|------|--|---|
|  | ZB0038 | | Set di bloccaggio |  |
|  | SV9002 | | Paracolpi |  |
|  max 300 kg | ZB0040 | | Set base alzante-scorrevole |  |
|  | ZB0024 | | Maniglia interna alzante-scorrevole |  |
|  | ZB0025 | | Maniglia interna alzante-scorrevole per cilindro di chiusura |  |



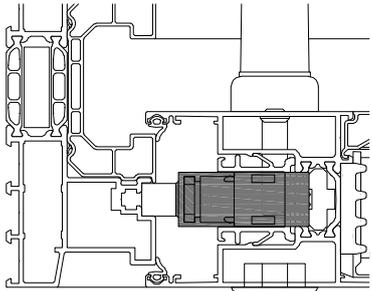
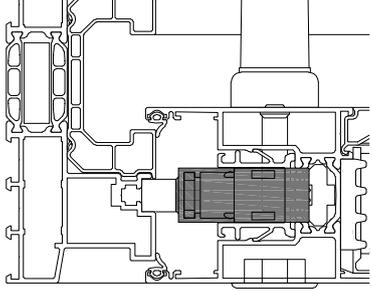
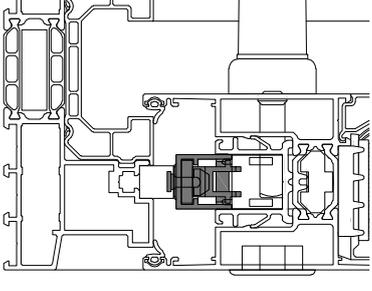
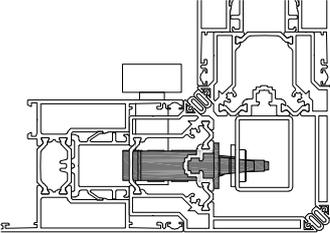
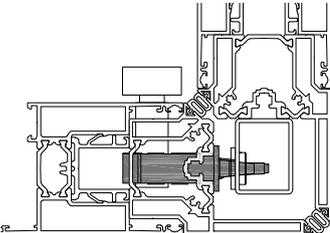
LISTA ARTICOLI FERRAMENTA

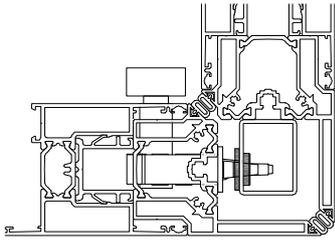
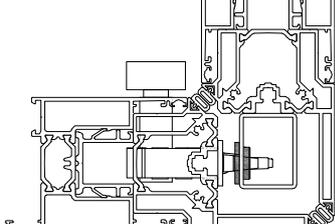
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | ZB0027 | | Maniglia esterna alzante-scorrevole per cilindro di chiusura |  |
|  | ZB0028 | | Maniglia integrata alzante-scorrevole |  |
|  | HLH301 | | Maniglia interna S-Line alzante-scorrevole design: Harmony |  |
|  | HLH302 | | Maniglia interna/esterna S-Line alzante-scorrevole design: Harmony |  |
|  | HLH304 | | Maniglia integrata S-Line alzante-scorrevole design: Harmony |  |

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|--|---|
|  | DHA020 | | Maniglia S-Line alzante-scorrevole asta di connessione |  |
|  301 - 400 kg | SV0032 | | Carrello inferiore supplementare alzante-scorrevole 301-400 kg |  |
|  | ZB0029 | 860 | Asta di connessione carrelli alzante-scorrevole |  |
| | ZB0030 | 1360 | | |
| | ZB0031 | 1860 | | |
| | ZB0032 | 2600 | | |
|  | ZB0033 | 1800 | Serratura alzante-scorrevole |  |
|  | ZB0034 | 2100 | Serratura alzante-scorrevole |  |



LISTA ARTICOLI FERRAMENTA

| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|---|---|
|  | ZB0035 | 2400 | Serratura alzante-scorrevole |  |
|  | ZB0036 | 2700 | Serratura alzante-scorrevole |  |
|  | ZB0046 | 600 | Estensione serratura alzante-scorrevole |  |
|  | SF2127 | 2170 | Serratura angolo galleggiante |  |
|  | SF2129 | 2470 | Serratura angolo galleggiante |  |

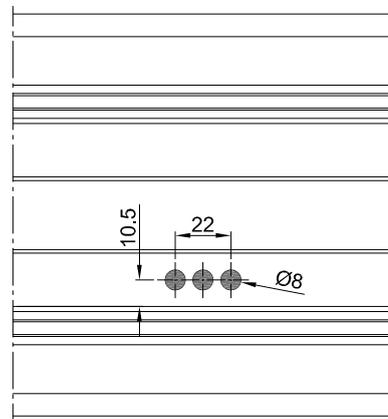
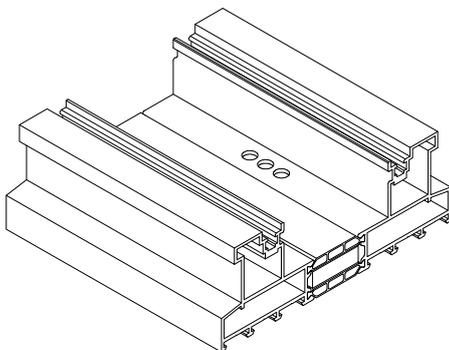
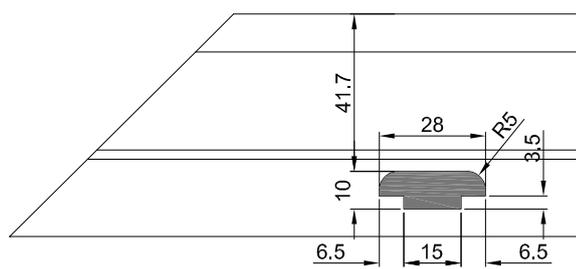
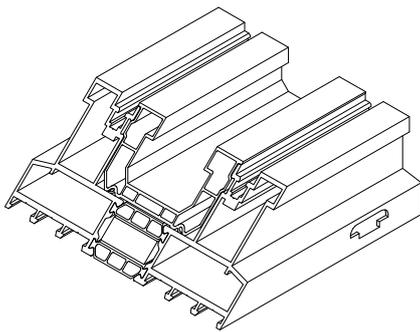
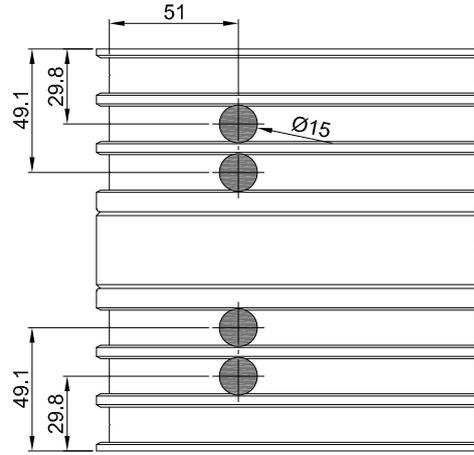
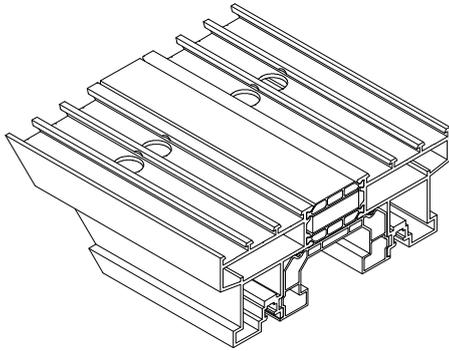
| DISEGNO | CODICE | (MM) | DESCRIZIONE | APPLICAZIONE |
|---|---------------|------|------------------------------|---|
|  | SF3066 | 2170 | Chiusura angolo gallegginata |  |
|  | SF3068 | 2470 | Chiusura angolo galleggiante |  |

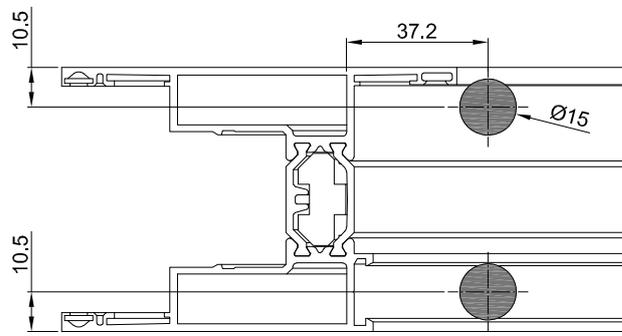
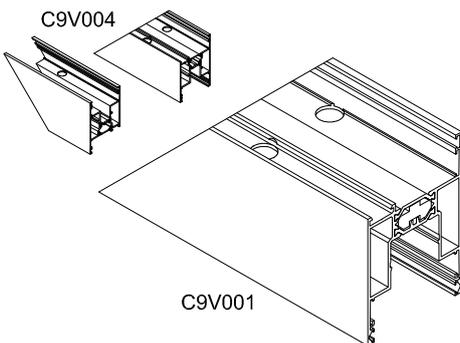
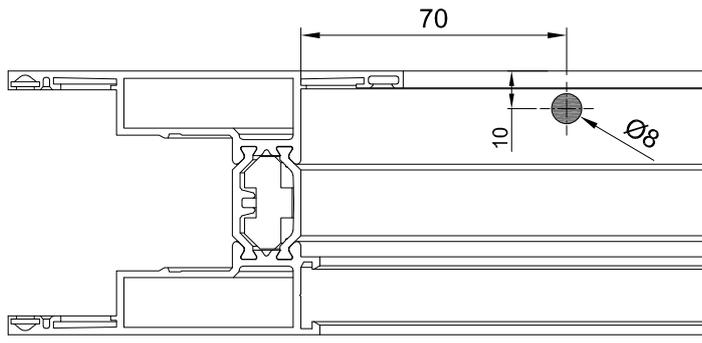
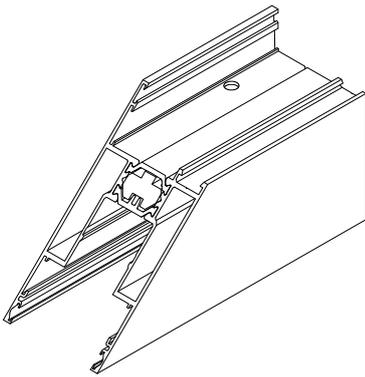
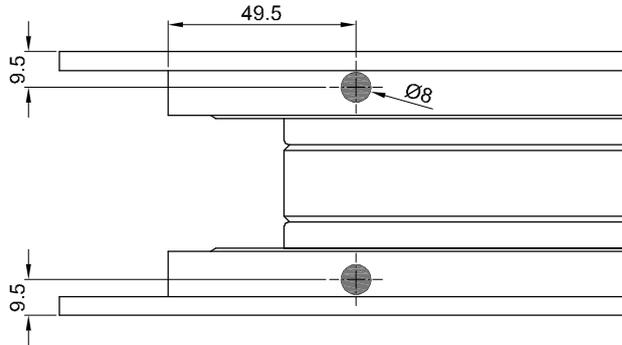
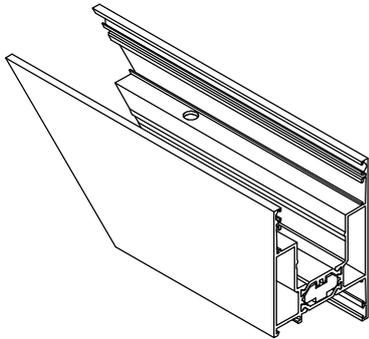


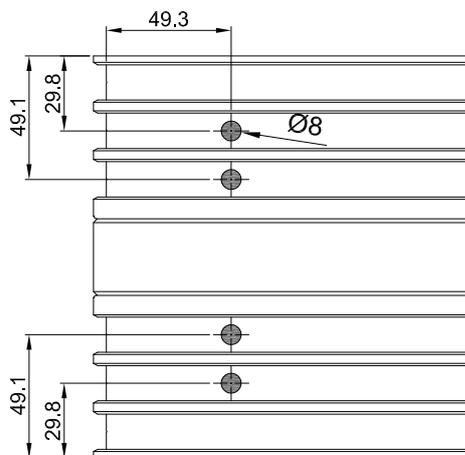
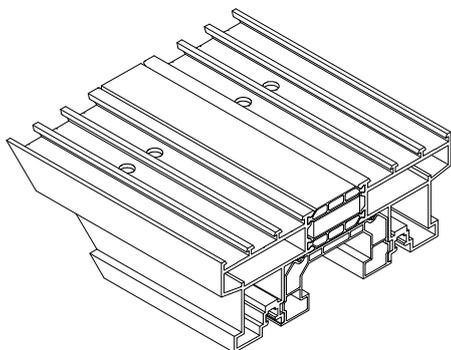
Attrezzature



LAVORAZIONE - D5110000

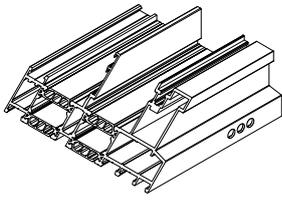
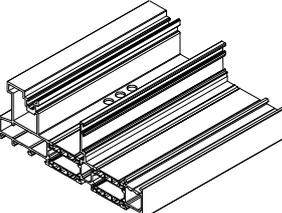
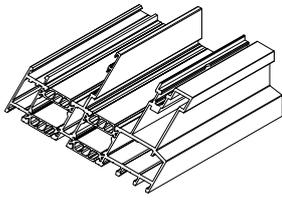
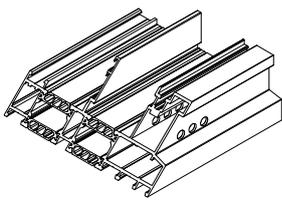
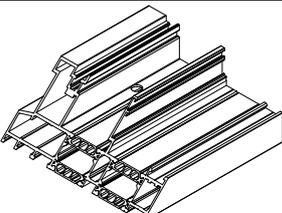
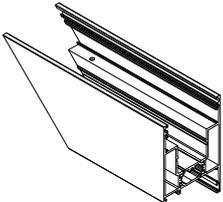
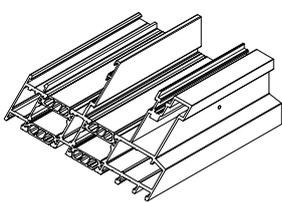


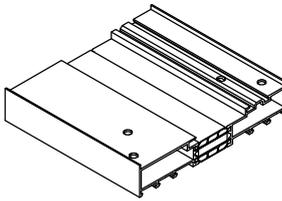






DIME LAVORAZIONI - PANORAMICA

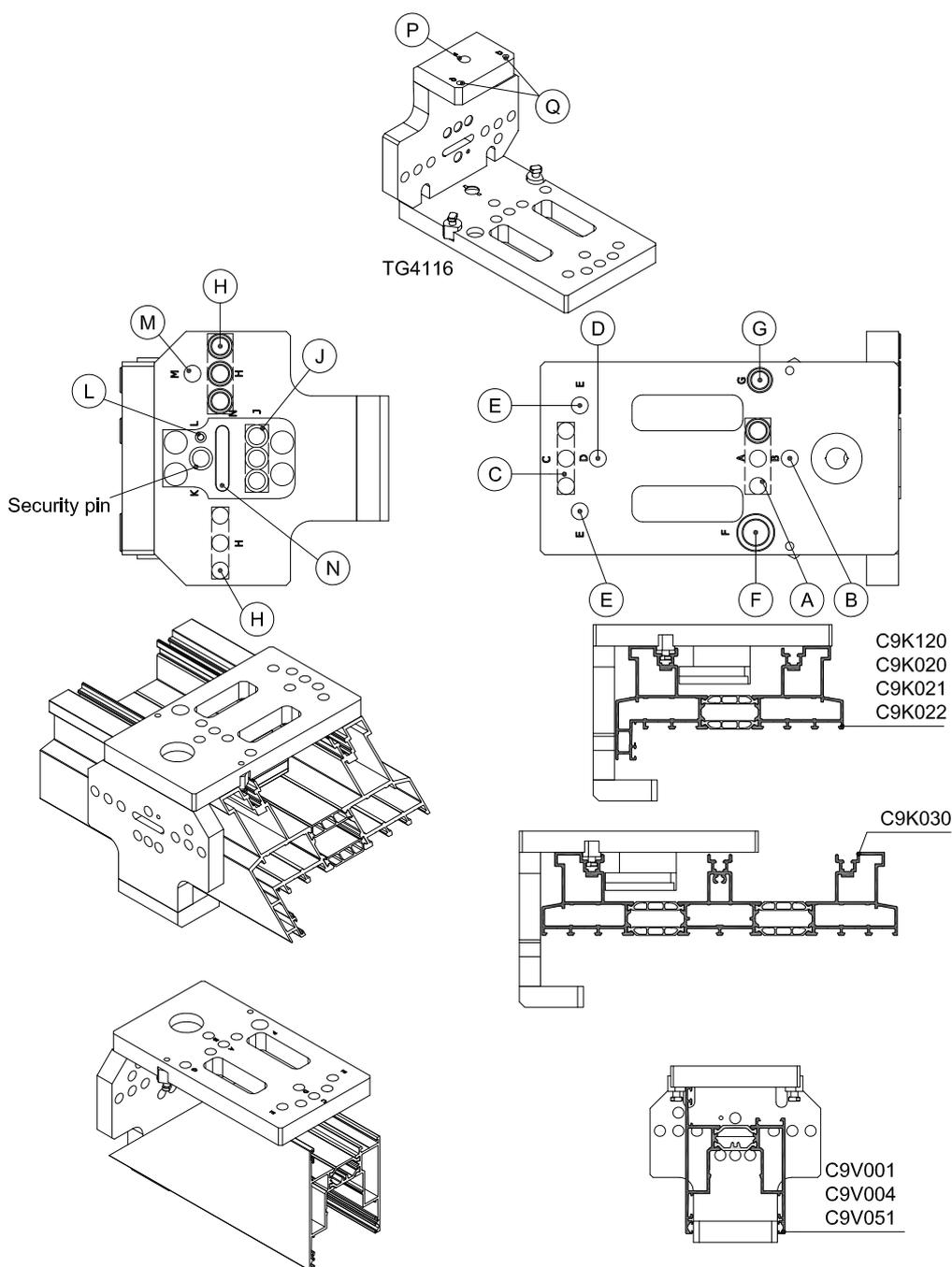
| TG4116  G.2.2 | | | | | |
|--|---|---|---|---|---|
|  |  G.2.3 |  |  G.2.4 |  |  G.2.4 |
|  |  G.2.3 |  |  G.2.4 |  |  G.2.5 |
|  |  G.2.3 | | | | |

| TG4119  G.2.6 | |
|--|---|
|  |  G.2.6 |

Nota: tutte le lavorazioni indicate con le sottoelencate dime sono eseguibili con la punzonatrice D5110000.

TG4118 - TG4121 - TG4122

TG4116

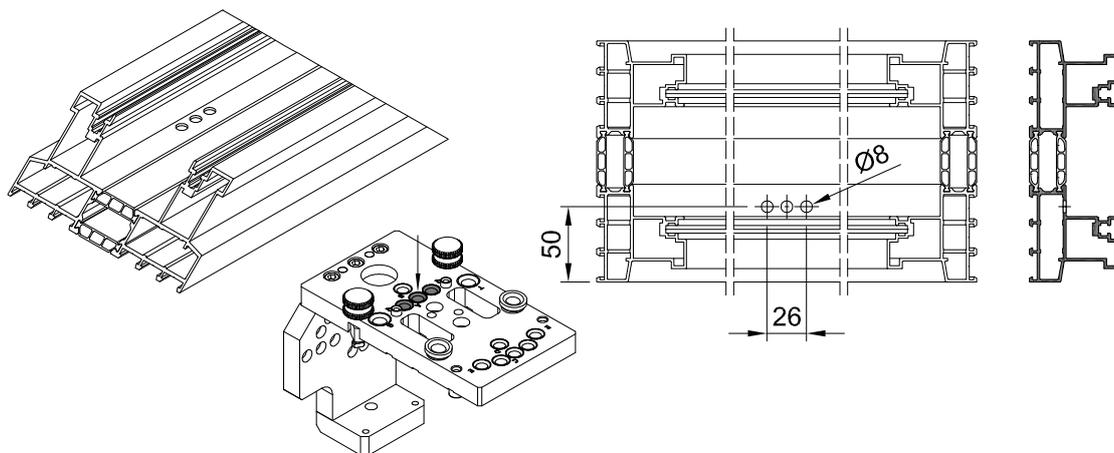


- A drenaggio scarico acqua centrale
- B drenaggio binario
- C drenaggio 3-binari tappo di tenuta centrale
- D drenaggio binario 2 o 3-binari
- E drenaggio anta
- F drenaggio valvola 12 mm
- G drenaggio valvola 9 mm
- H drenaggio binario - Ø8 mm
- J drenaggio binario camera interna
- L clip-vite C9A003
- M drenaggio C9A004
- N drenaggio binario camera interna Ø8 mm
- Q perforazione viti per VS9149 / VS9163 / VS9211 Ø4.2 mm (anta)

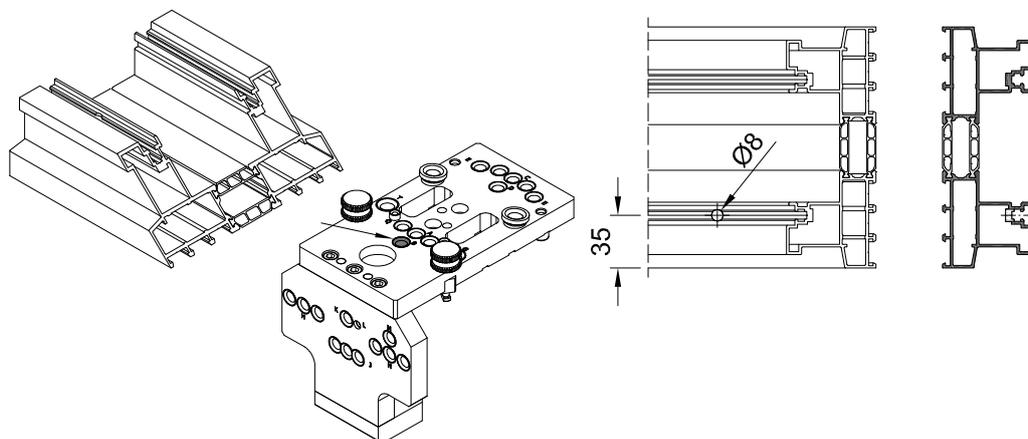


DIME LAVORAZIONI - TG4116

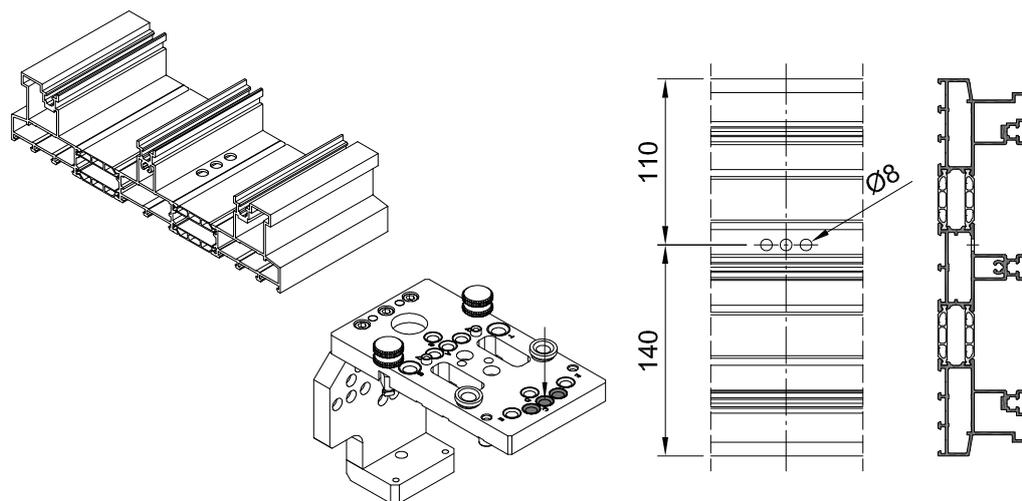
**C9K020
A**



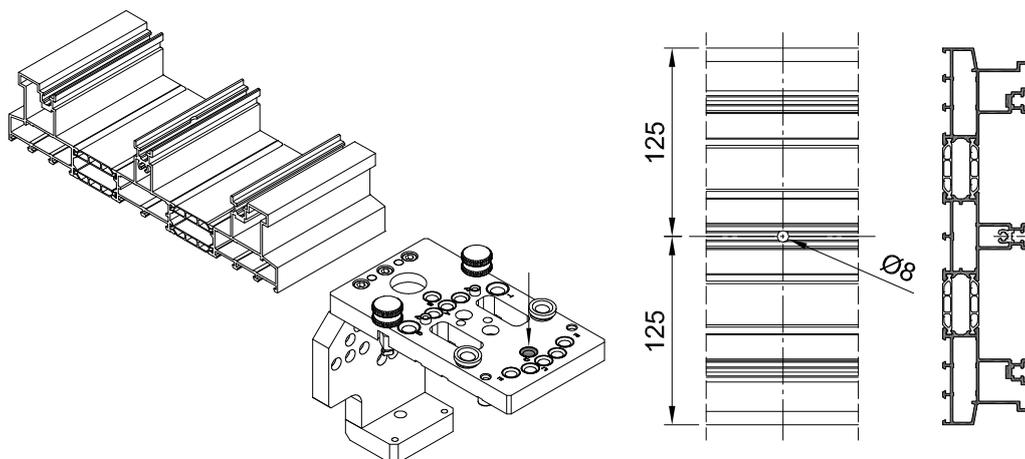
**C9K020
B**



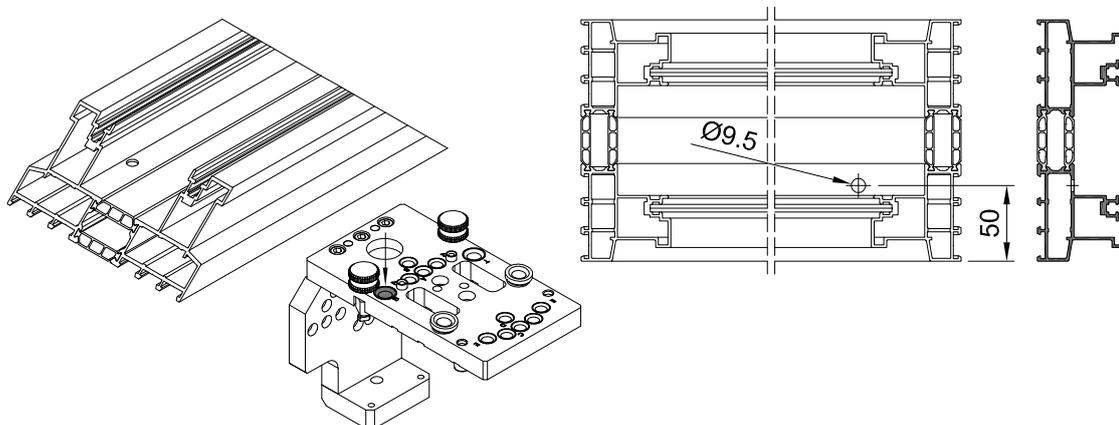
**C9K030
C**



**C9K030
D**

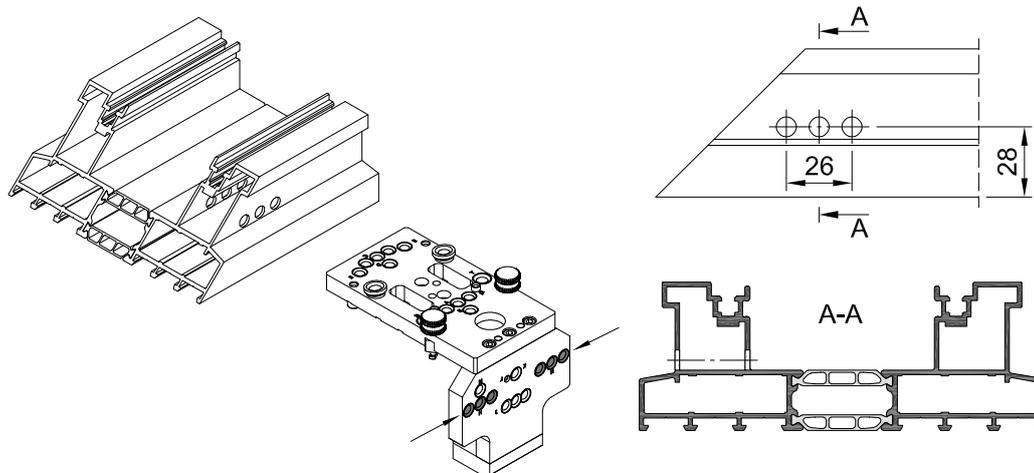


**C9K020
G**



Con VS0107

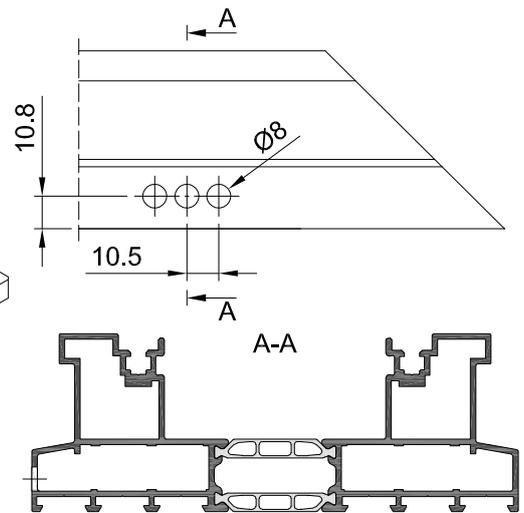
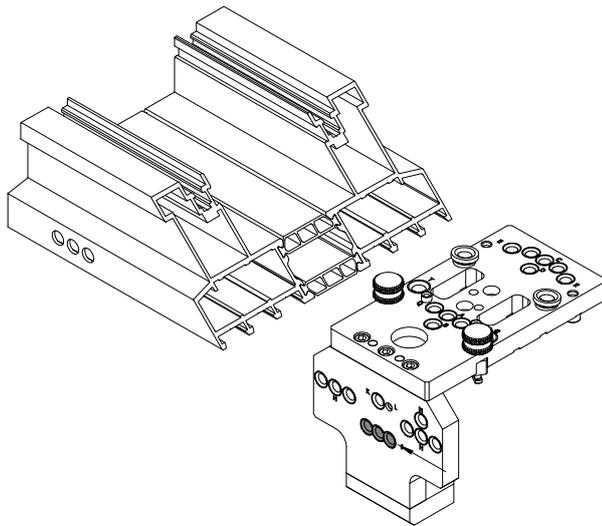
**C9K020
H**



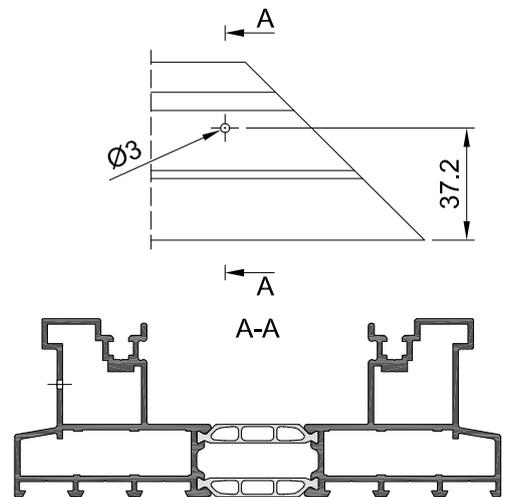
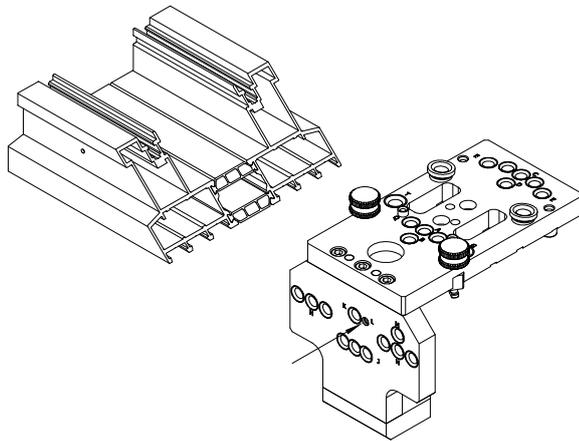


DIME LAVORAZIONI - TG4116

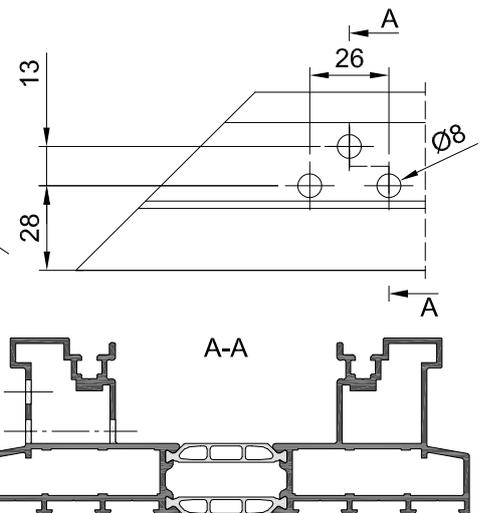
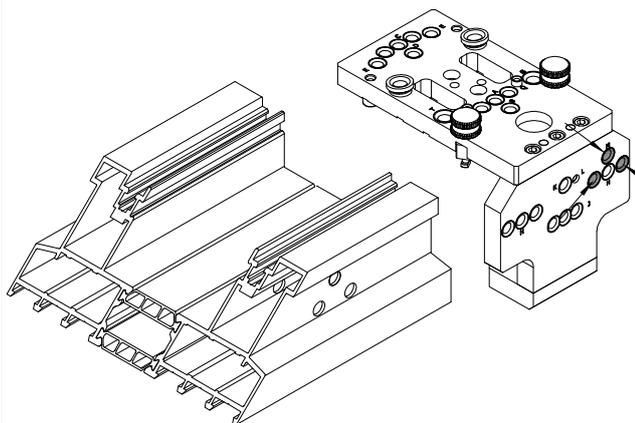
C9K020
J



C9K020
L

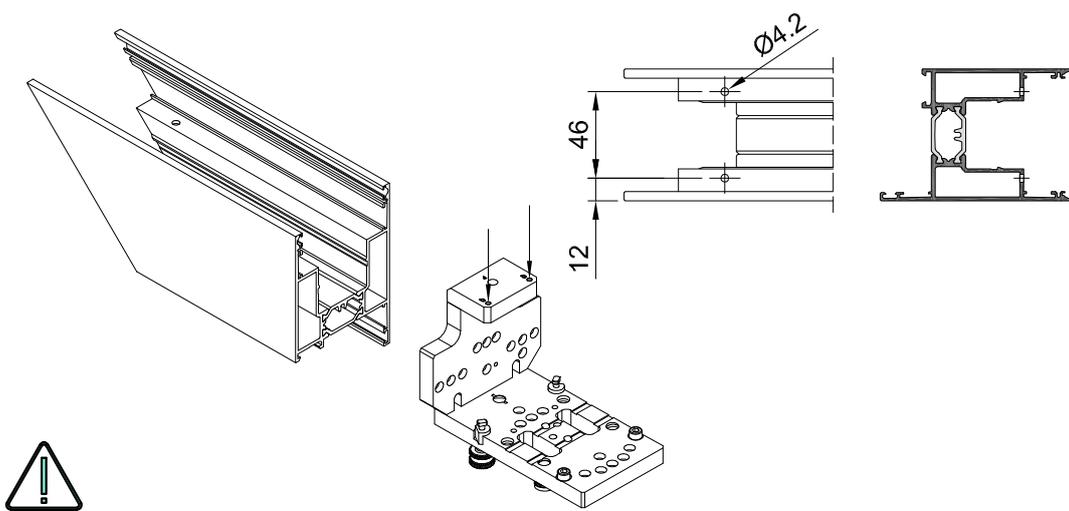


C9K020
M



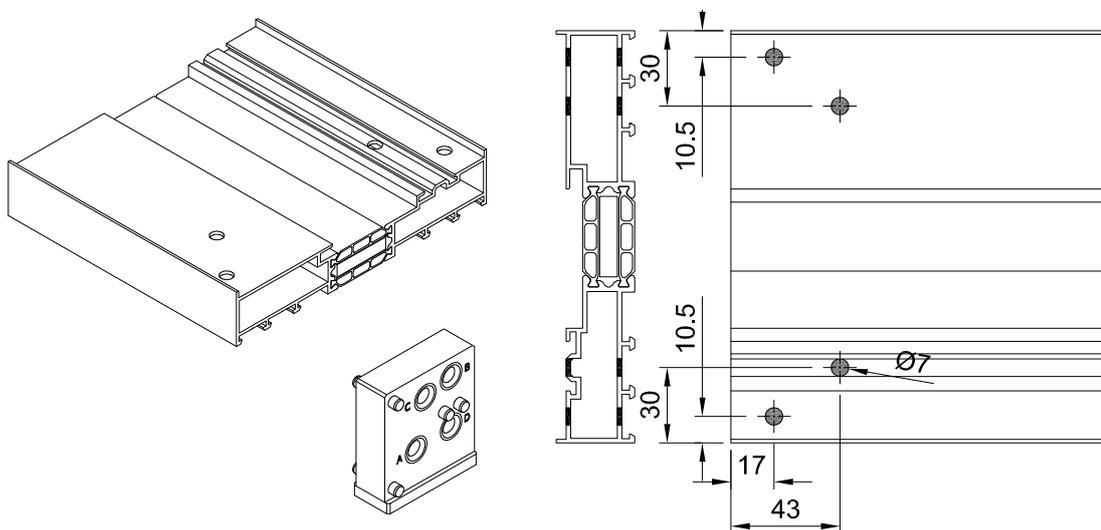
DIME LAVORAZIONI - TG4116

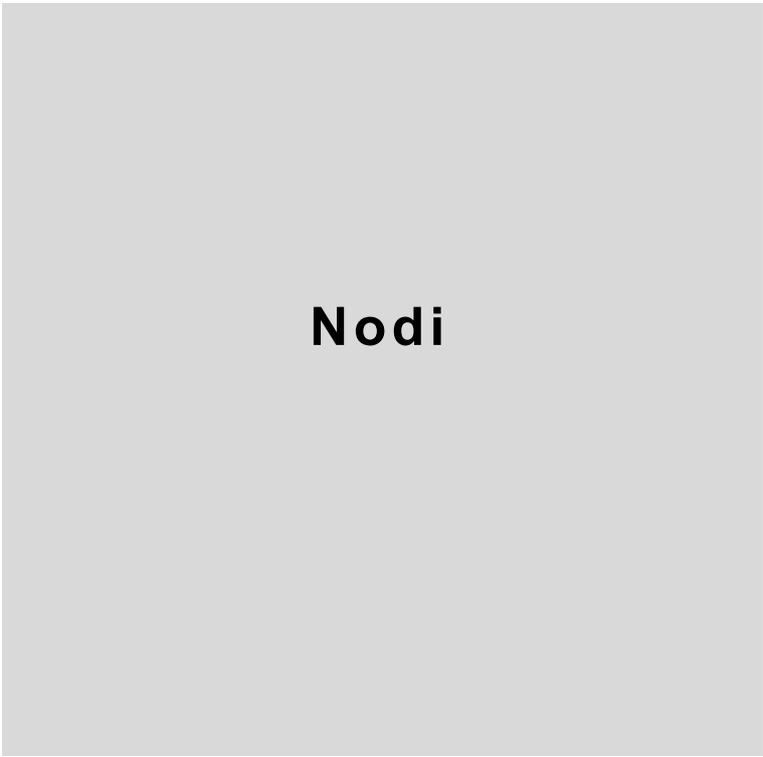
C9Vxxx
Q



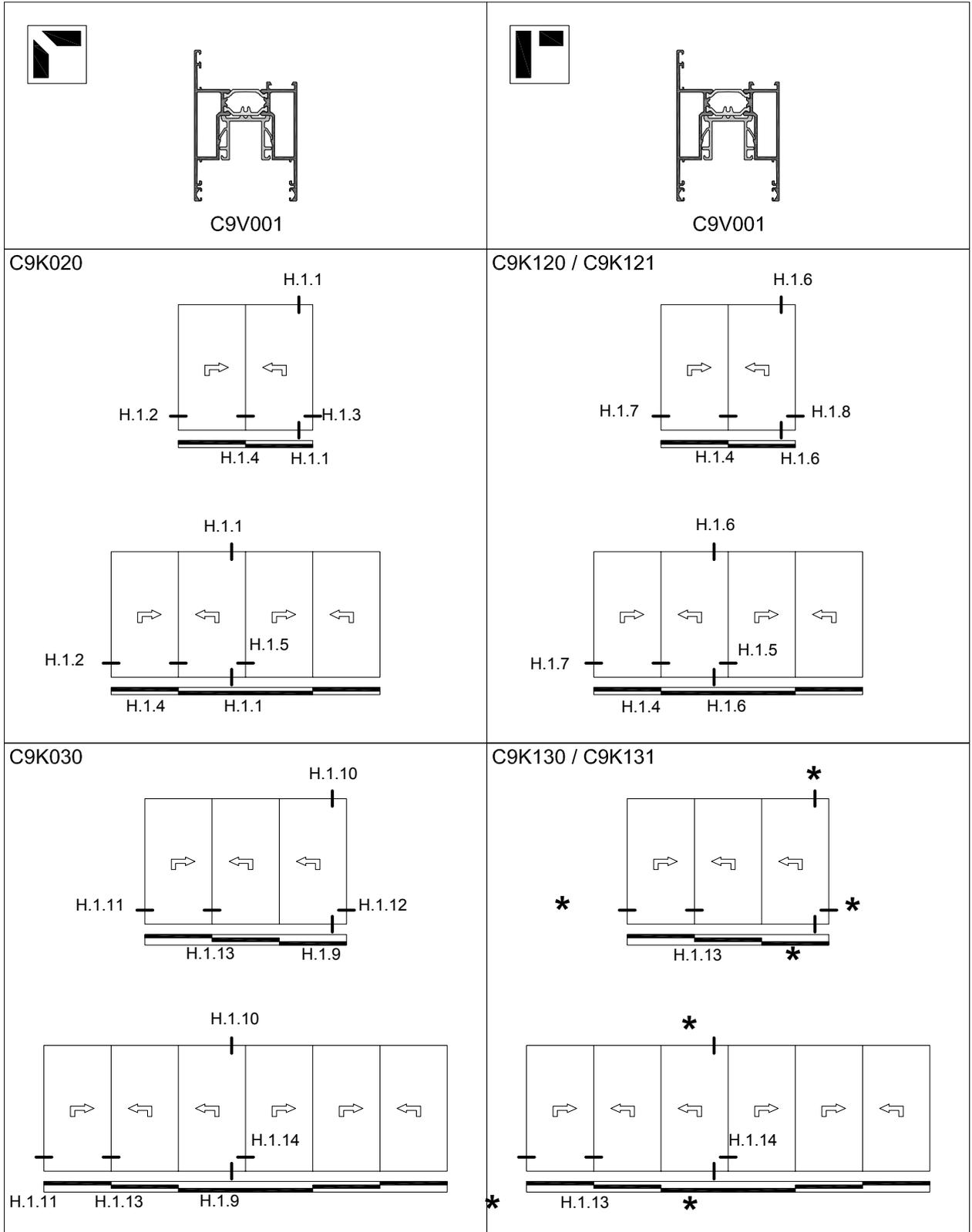
DIME LAVORAZIONI - TG4119

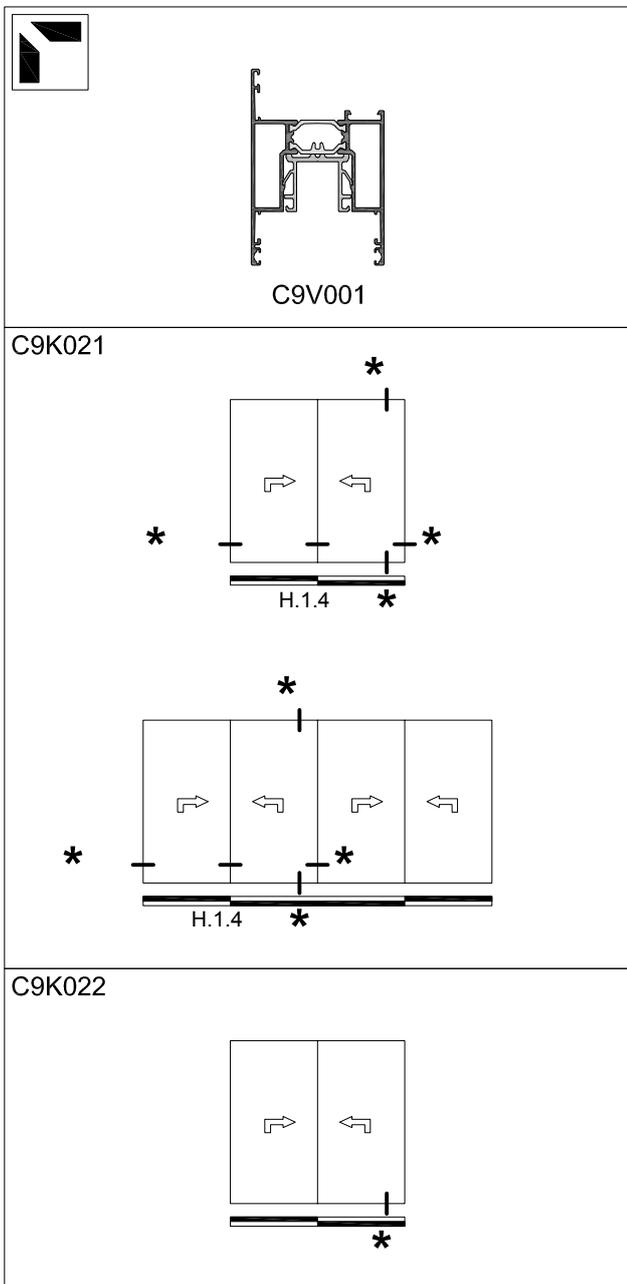
C9K120

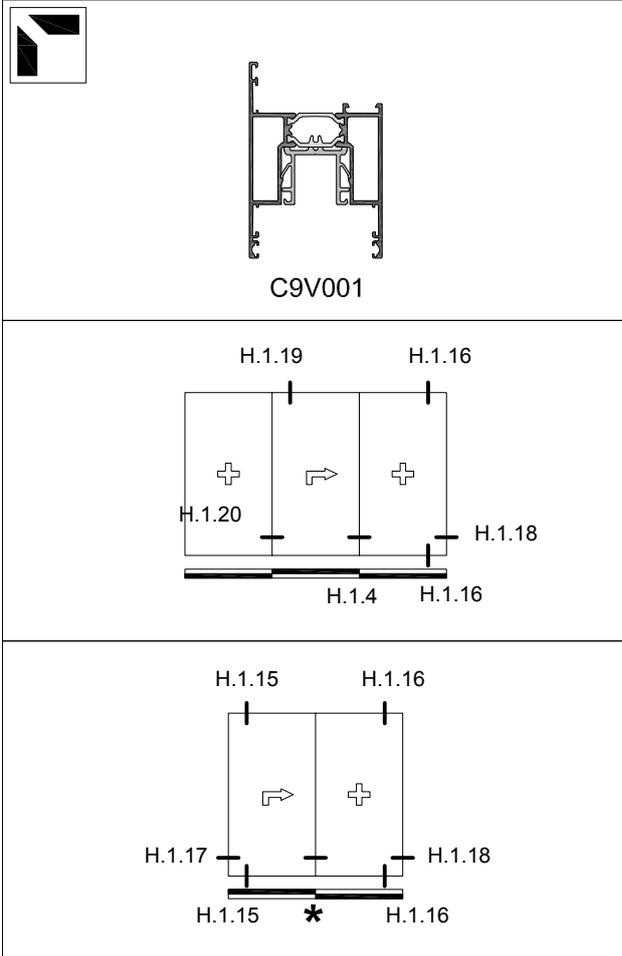


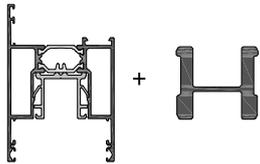
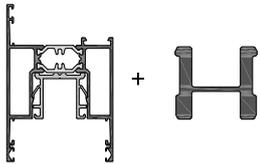
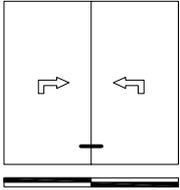


Nodi



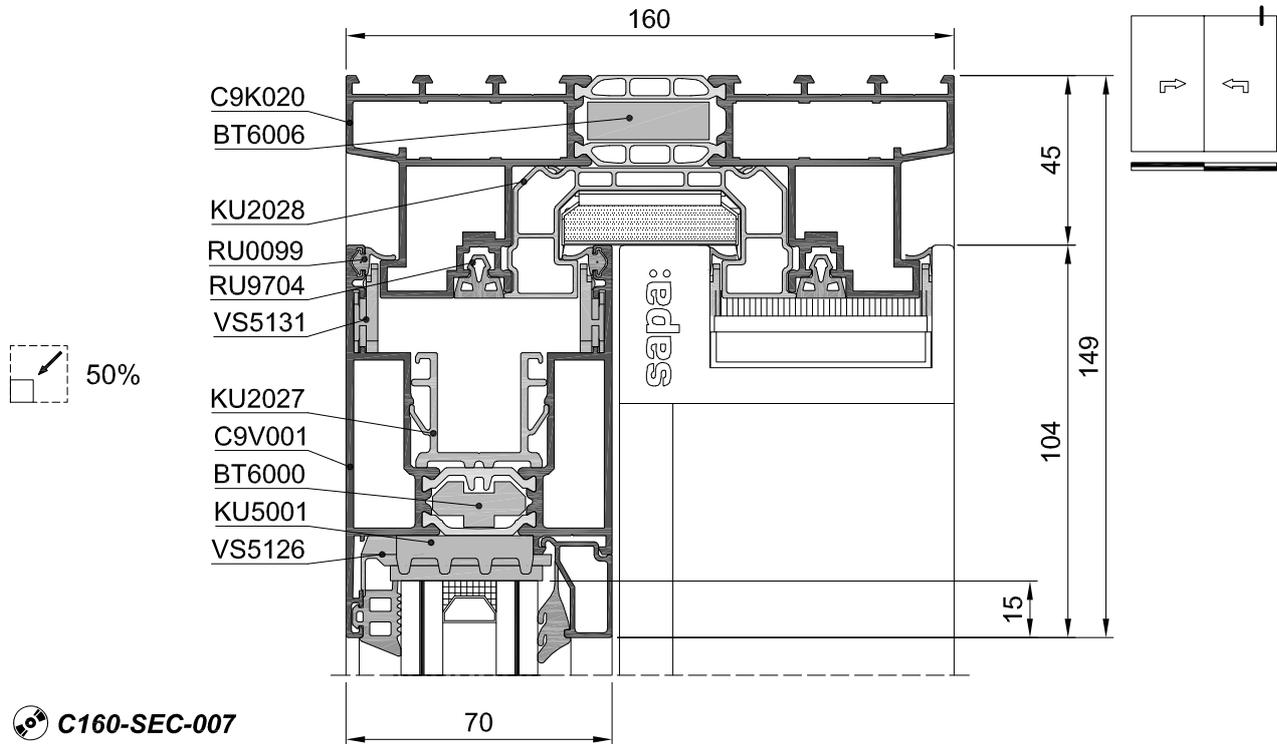




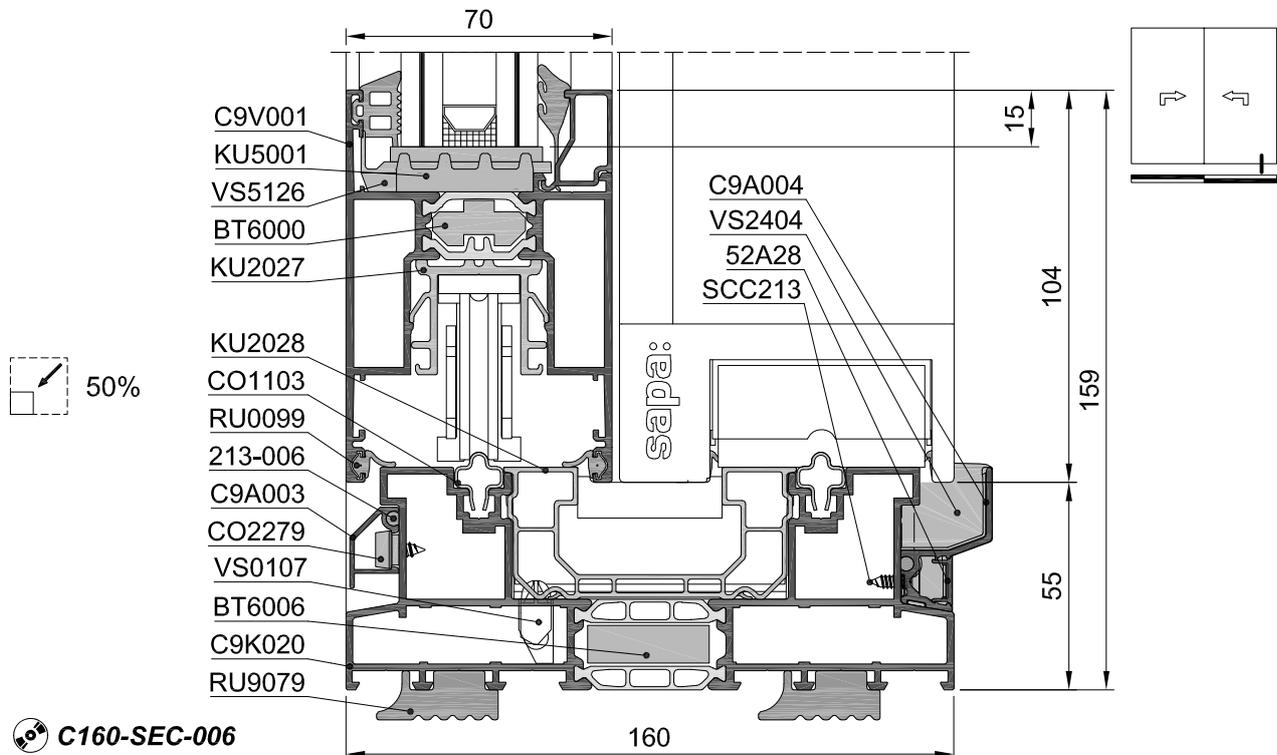
| | | | |
|---|---|--|---|
| |  <p>C9V001 C9C001</p> | |  <p>C9V051 C9C001</p> |
|  | H.1.21 | | <p>*</p> <p>H.1.22</p> |



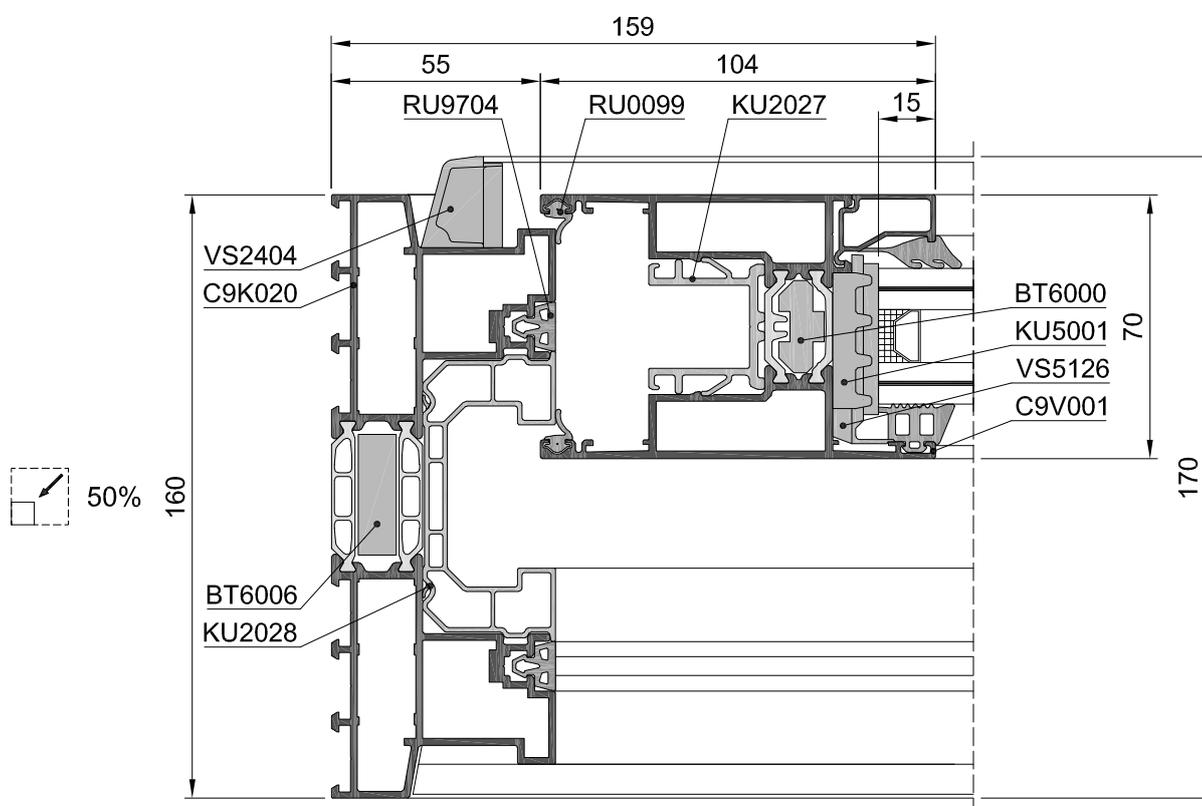
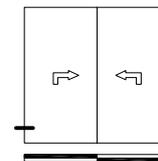
ALZANTE-SCORREVOLE C9V001-C9K020 - SUPERIORE DESTRO



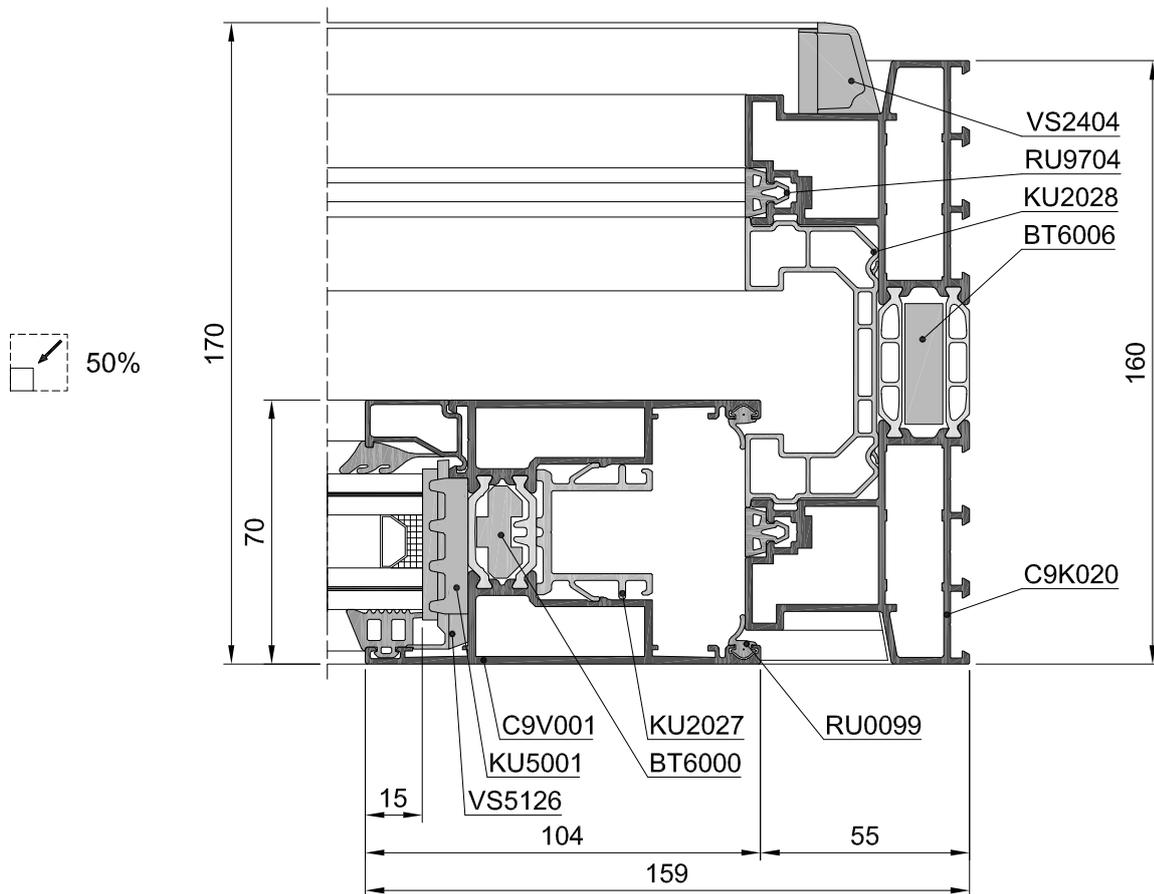
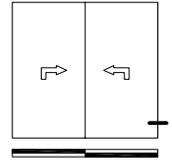
ALZANTE-SCORREVOLE C9V001-C9K020 - INFERIORE DESTRO



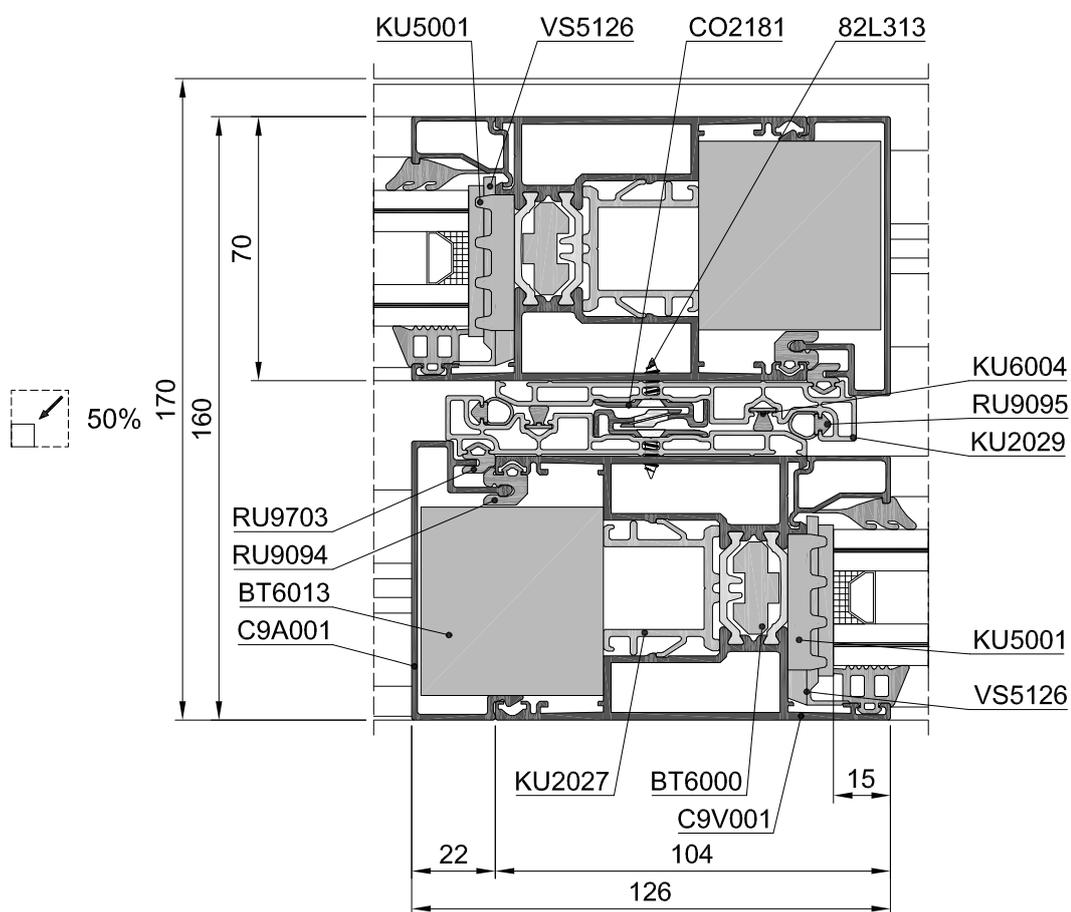
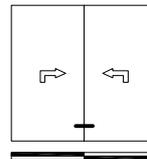
ALZANTE-SCORREVOLE C9V001-C9K020 - SINISTRO



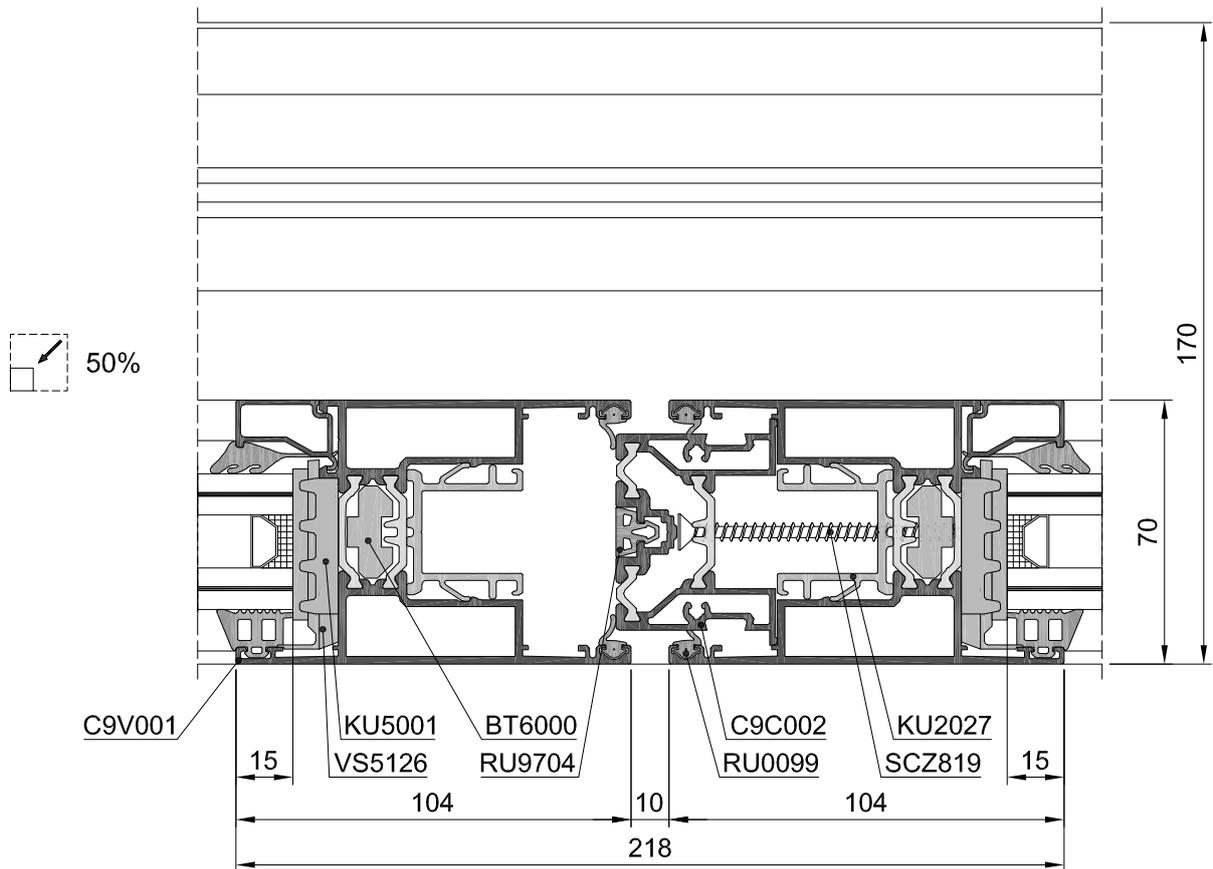
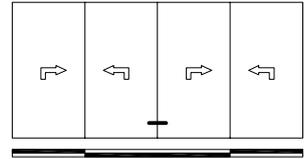
ALZANTE-SCORREVOLE C9V001-C9K020 - DESTRO



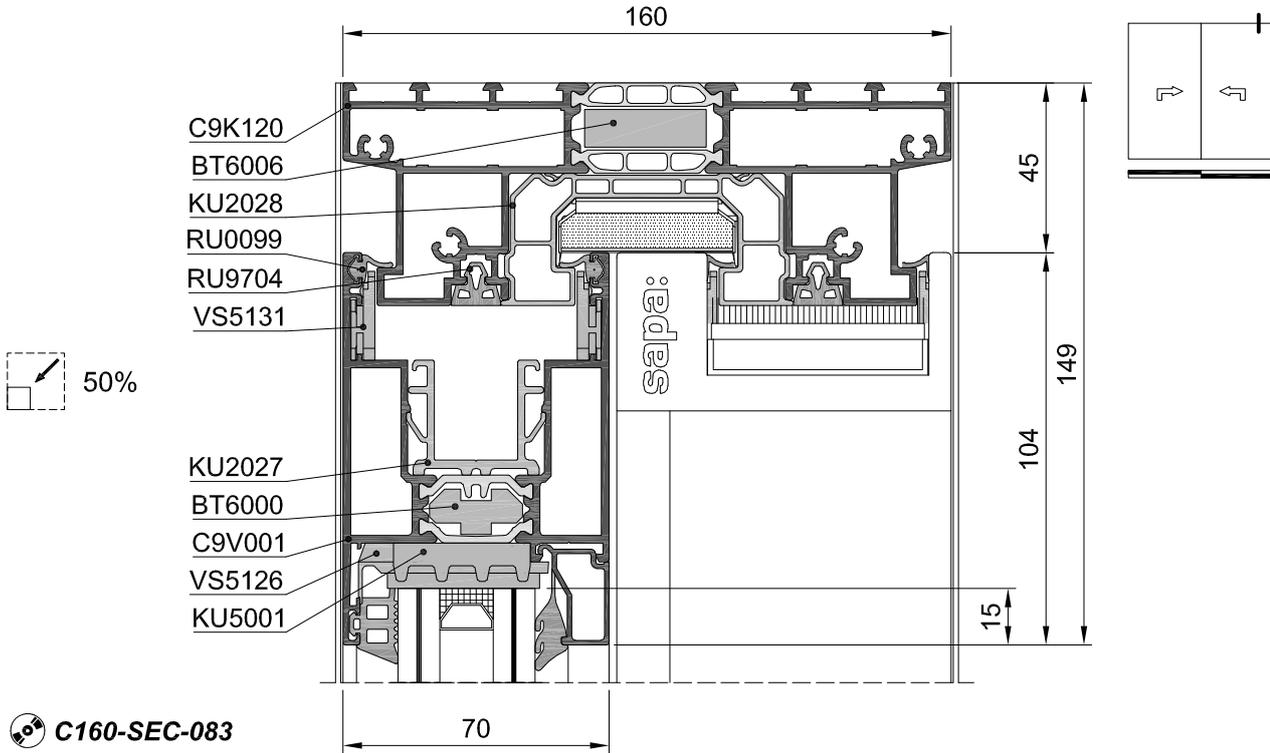
ALZANTE-SCORREVOLE C9V001-C9K020 - CENTRALE



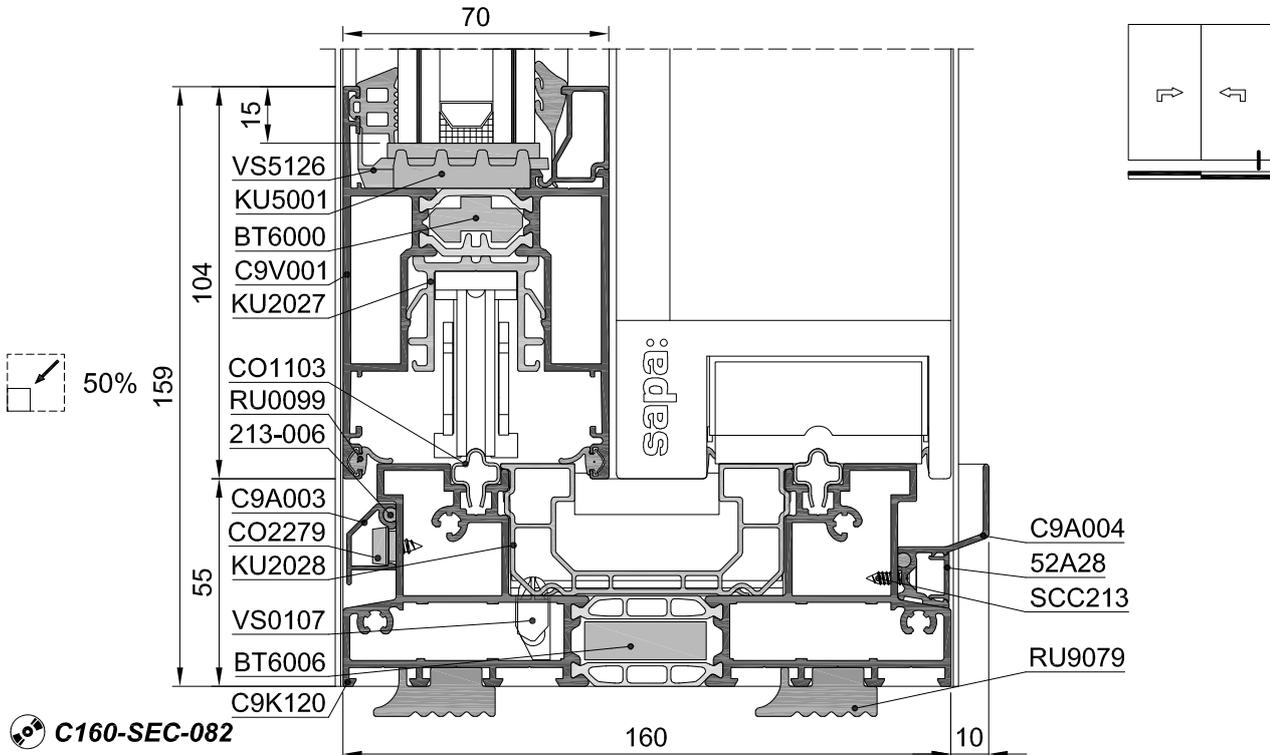
ALZANTE-SCORREVOLE C9V001-C9K020 - CENTRALE



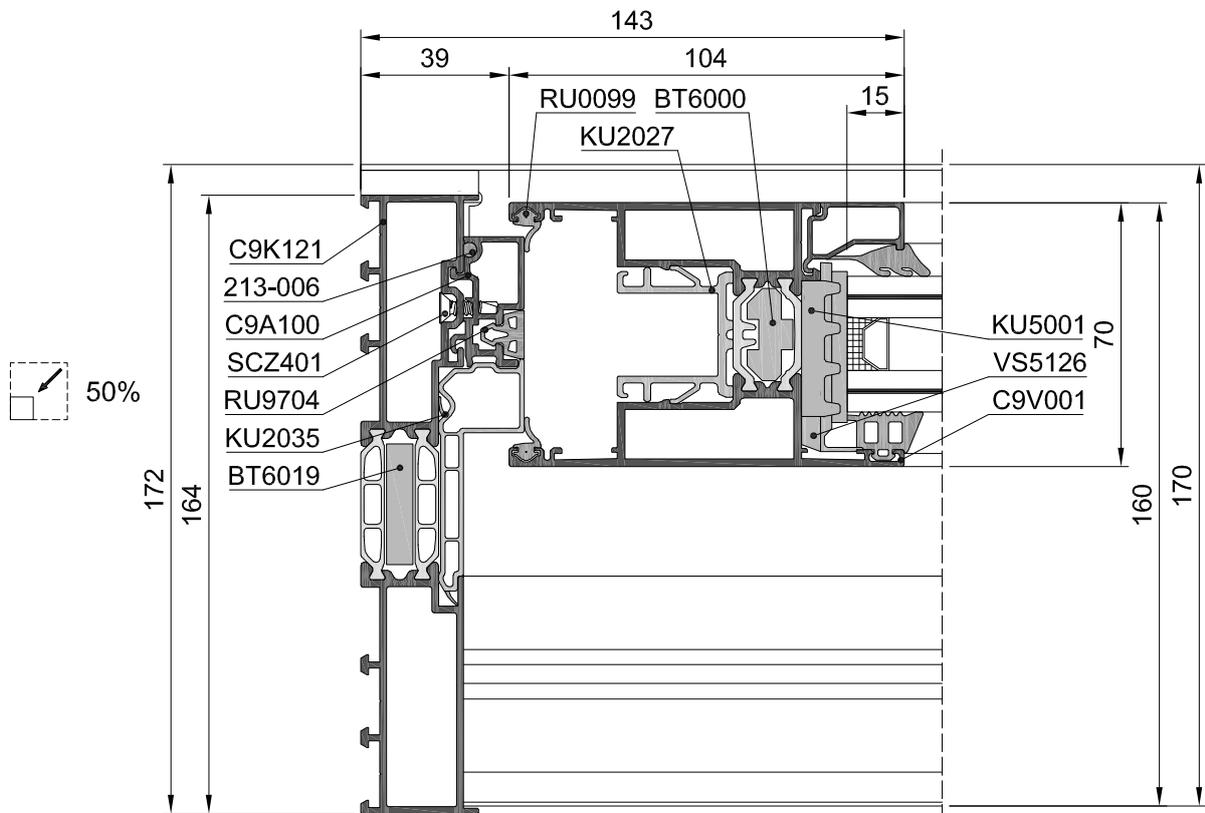
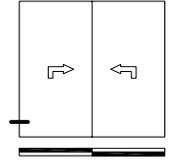
ALZANTE-SCORREVOLE C9V001-C9K120/C9K121 - SUPERIORE DESTRO



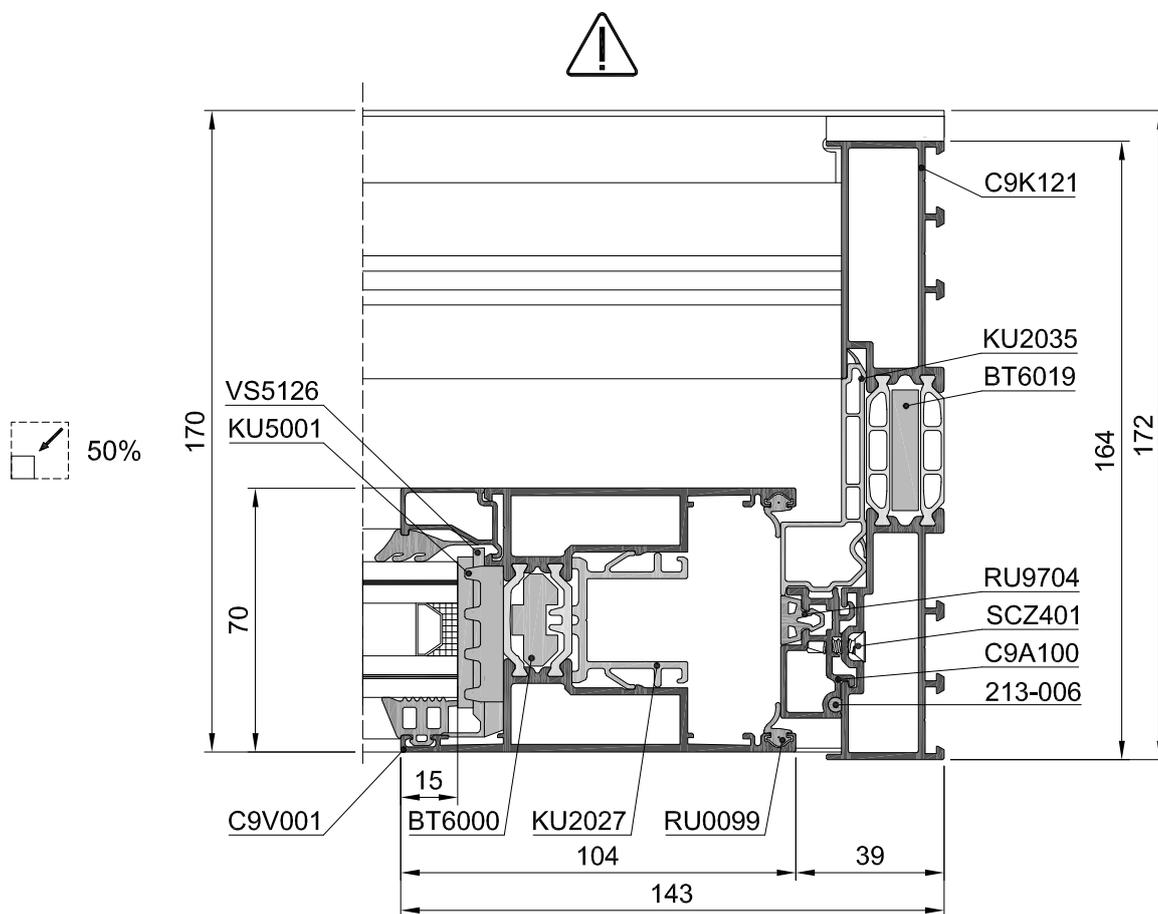
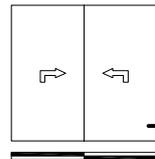
ALZANTE-SCORREVOLE C9V001-C9K120/C9K121 - INFERIORE DESTRO



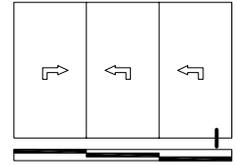
ALZANTE-SCORREVOLE C9V001-C9K120/C9K121 - SINISTRO



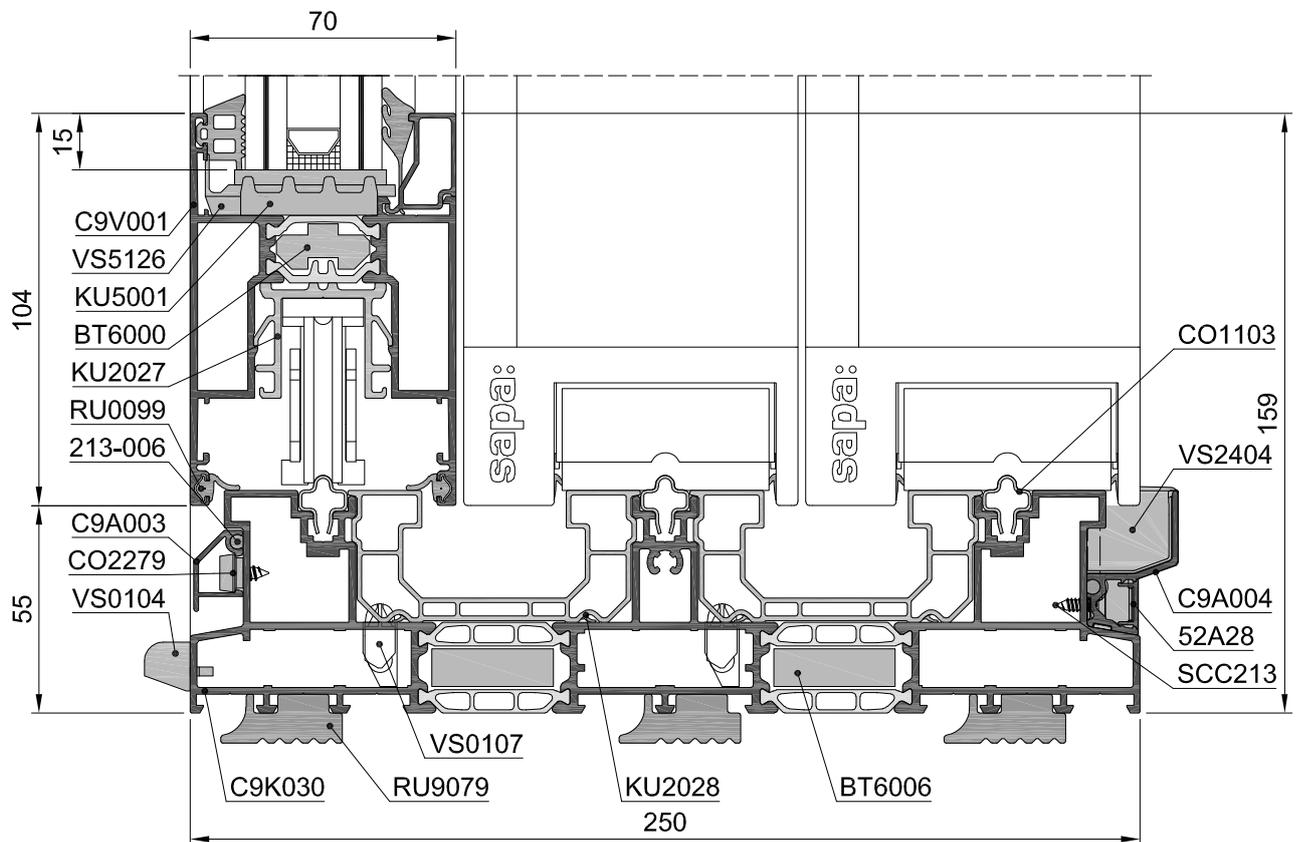
ALZANTE-SCORREVOLE C9V001-C9K120/C9K121 - DESTRO



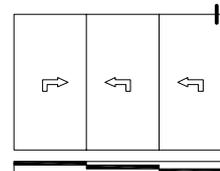
ALZANTE-SCORREVOLE C9V001-C9K120/C9K121 - INFERIORE DESTRO



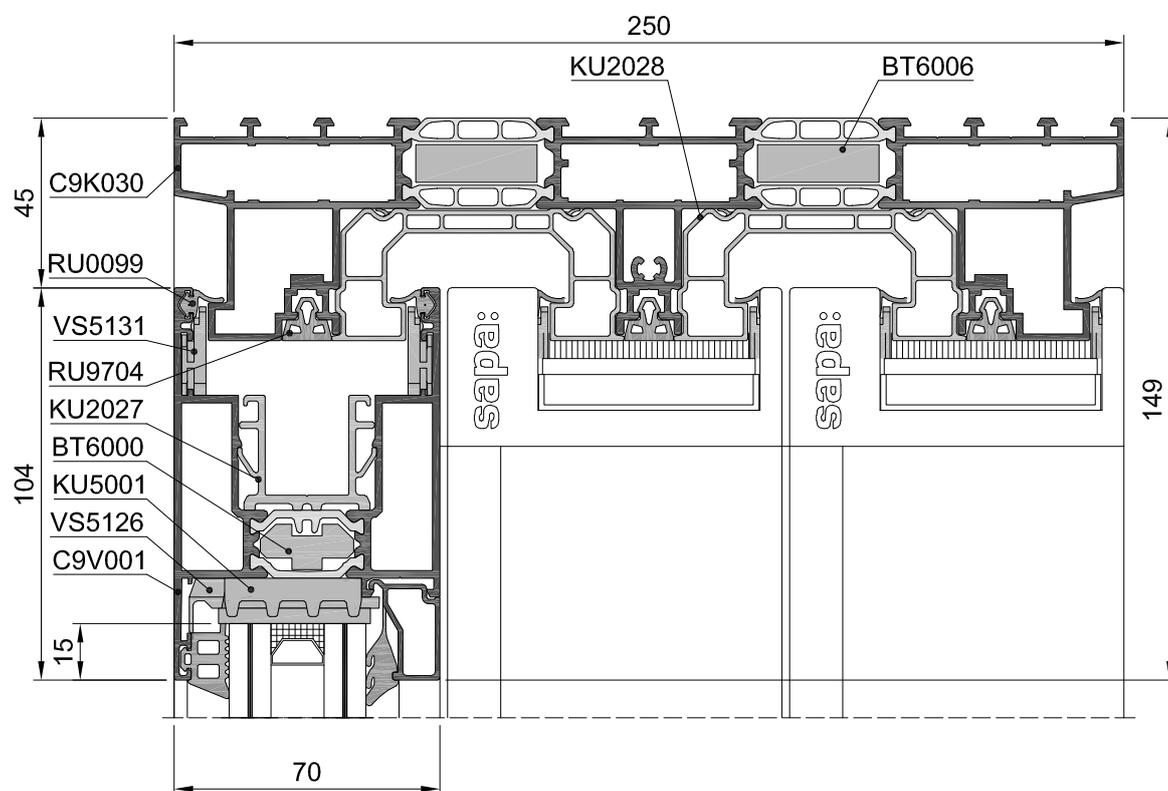
 50%



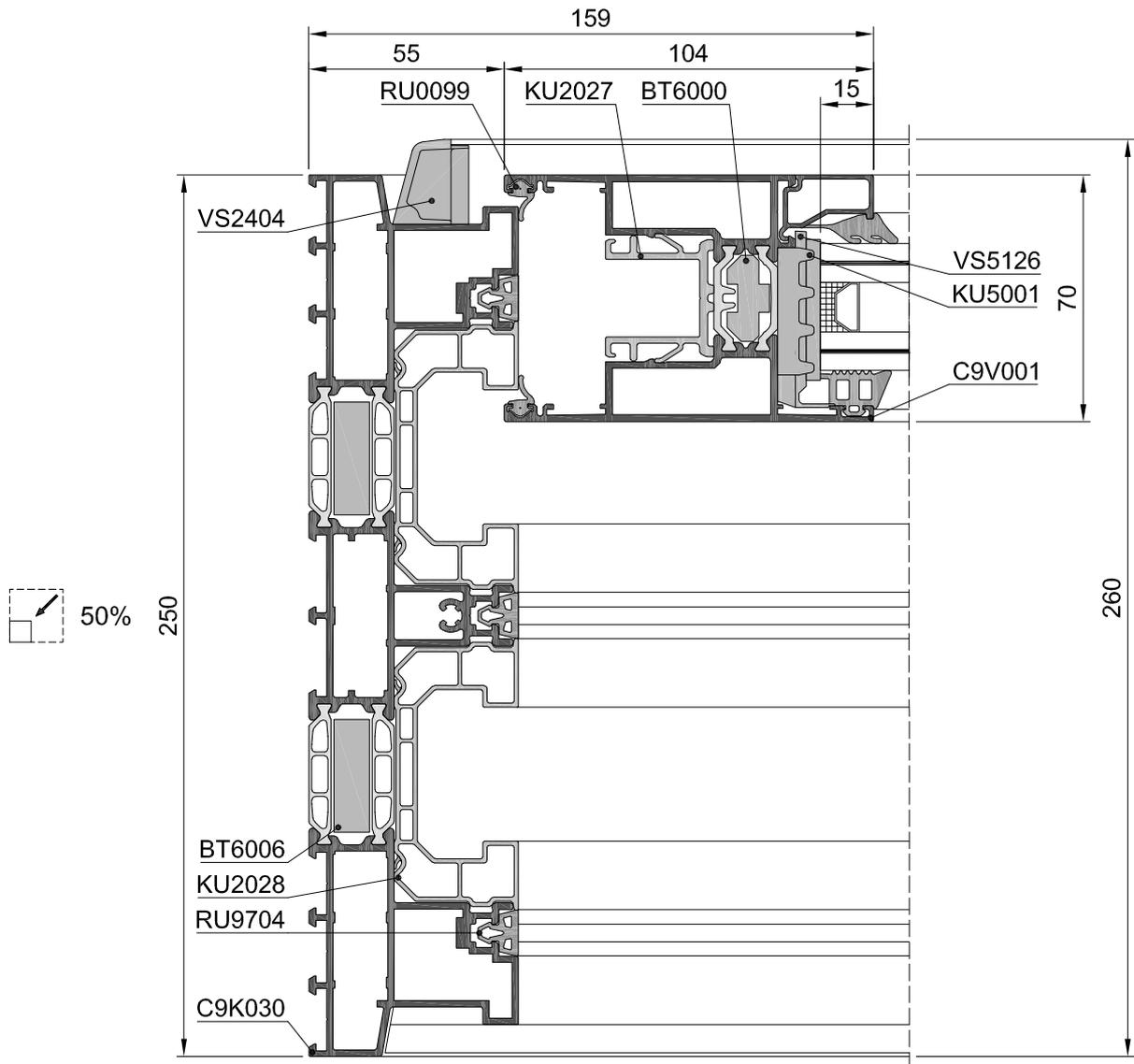
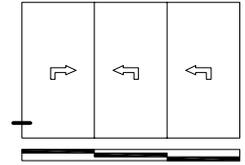
ALZANTE-SCORREVOLE C9V001-C9K030 - SUPERIORE DESTRO



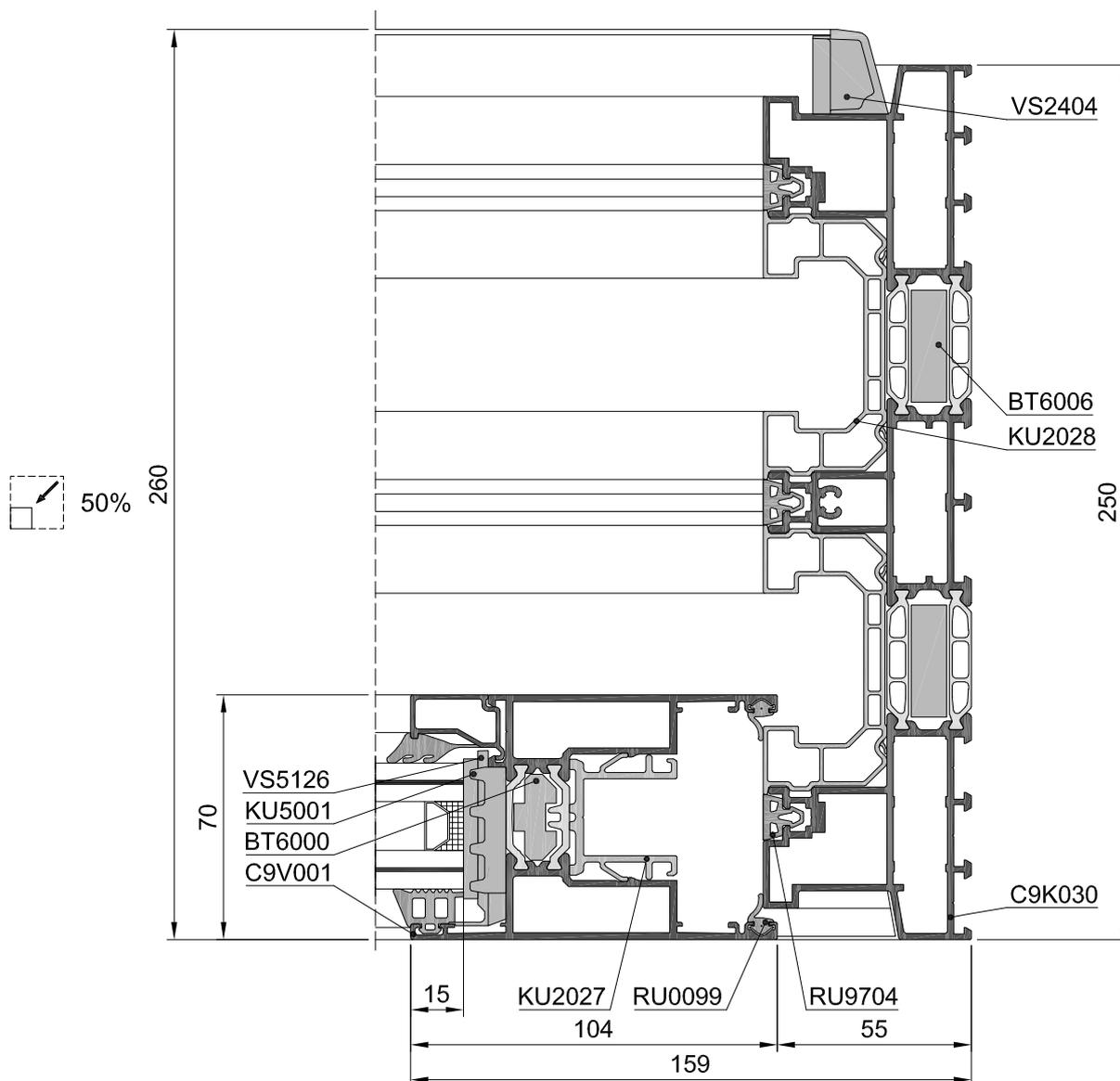
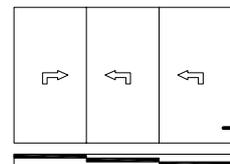
 50%



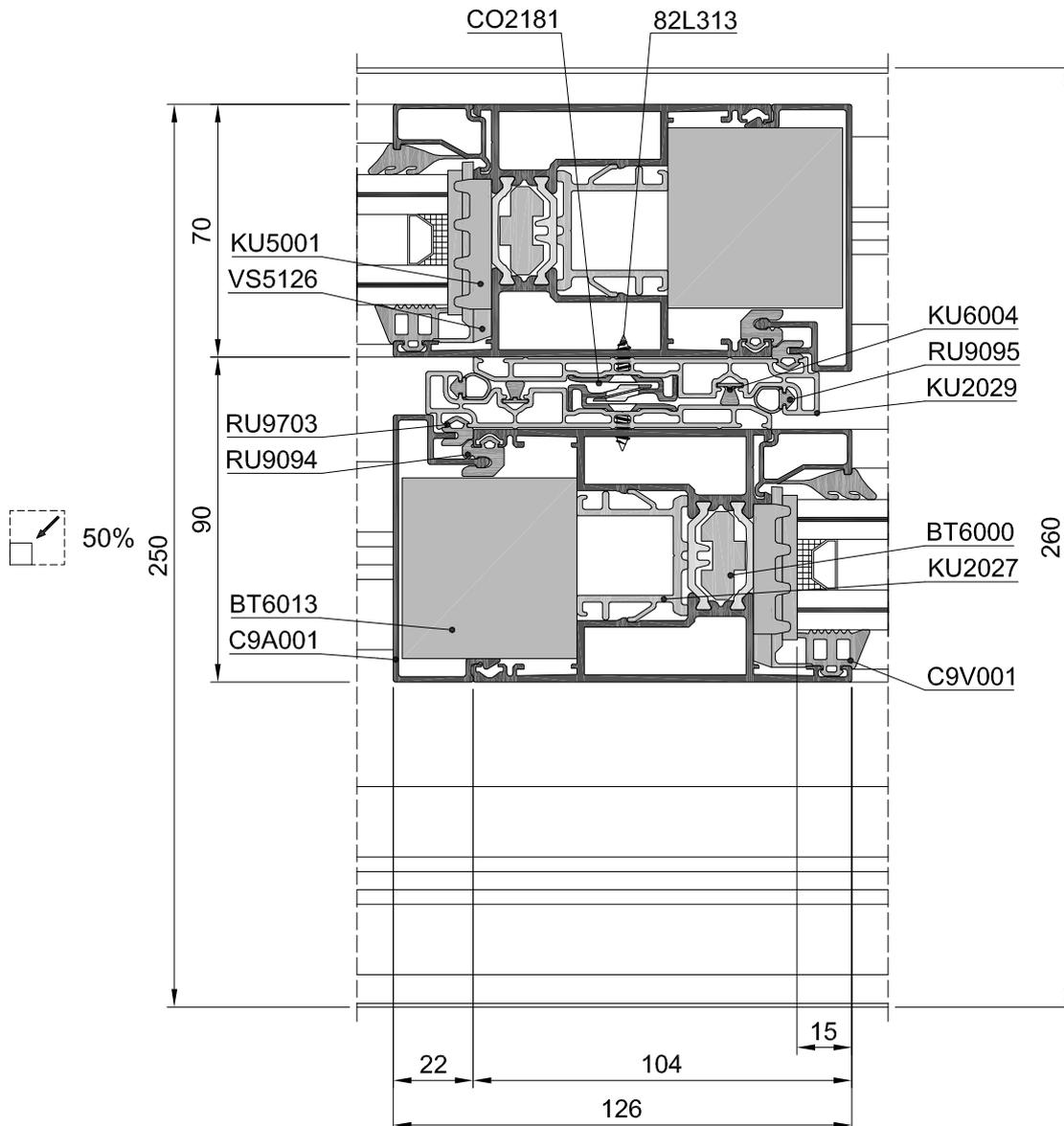
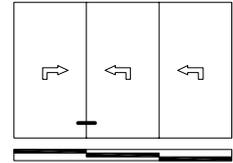
ALZANTE-SCORREVOLE C9V001-C9K030 - SINISTRO



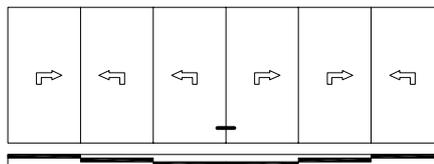
ALZANTE-SCORREVOLE C9V001-C9K030 - DESTRO



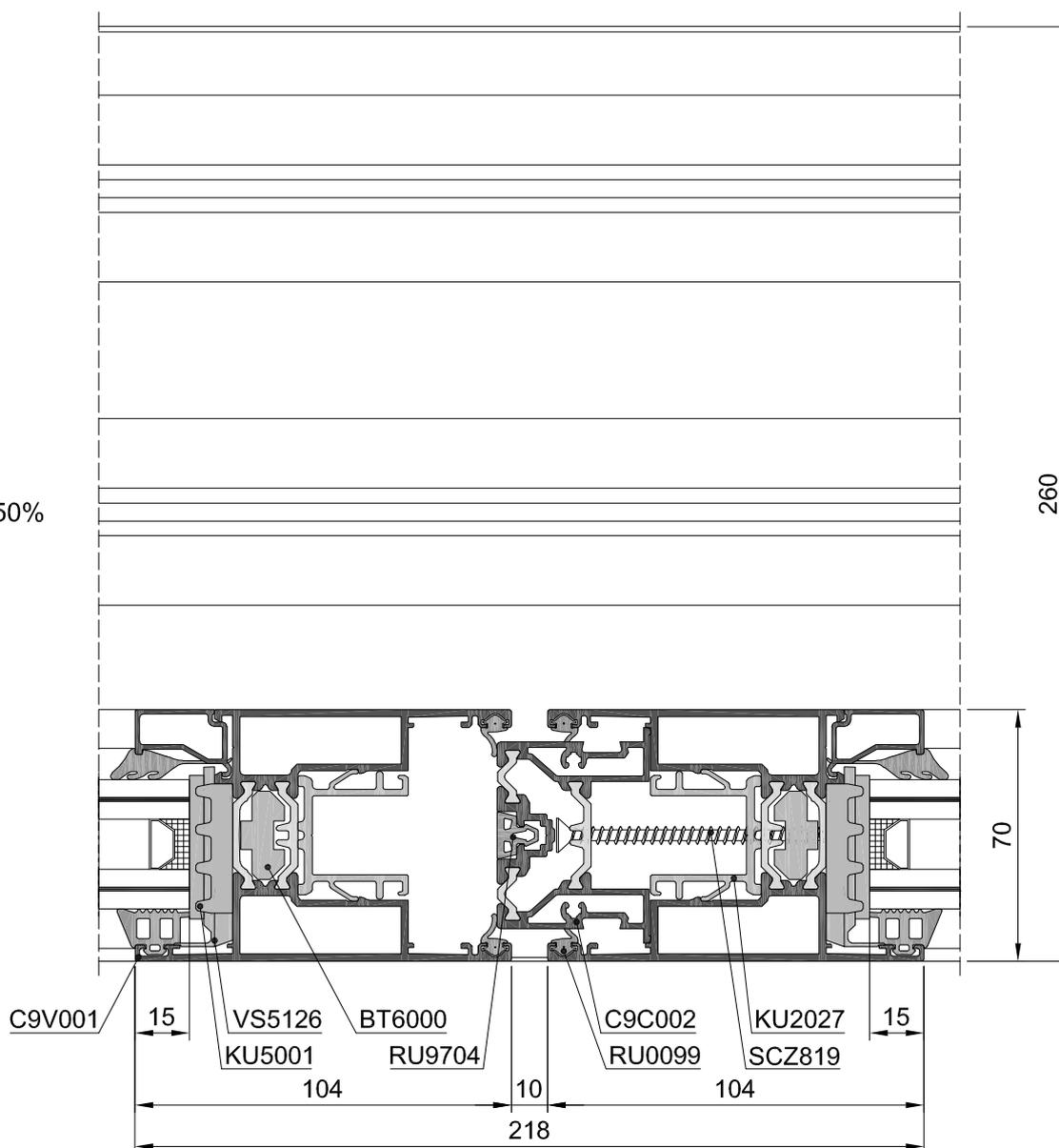
ALZANTE-SCORREVOLE C9V001-C9K030 - CENTRALE



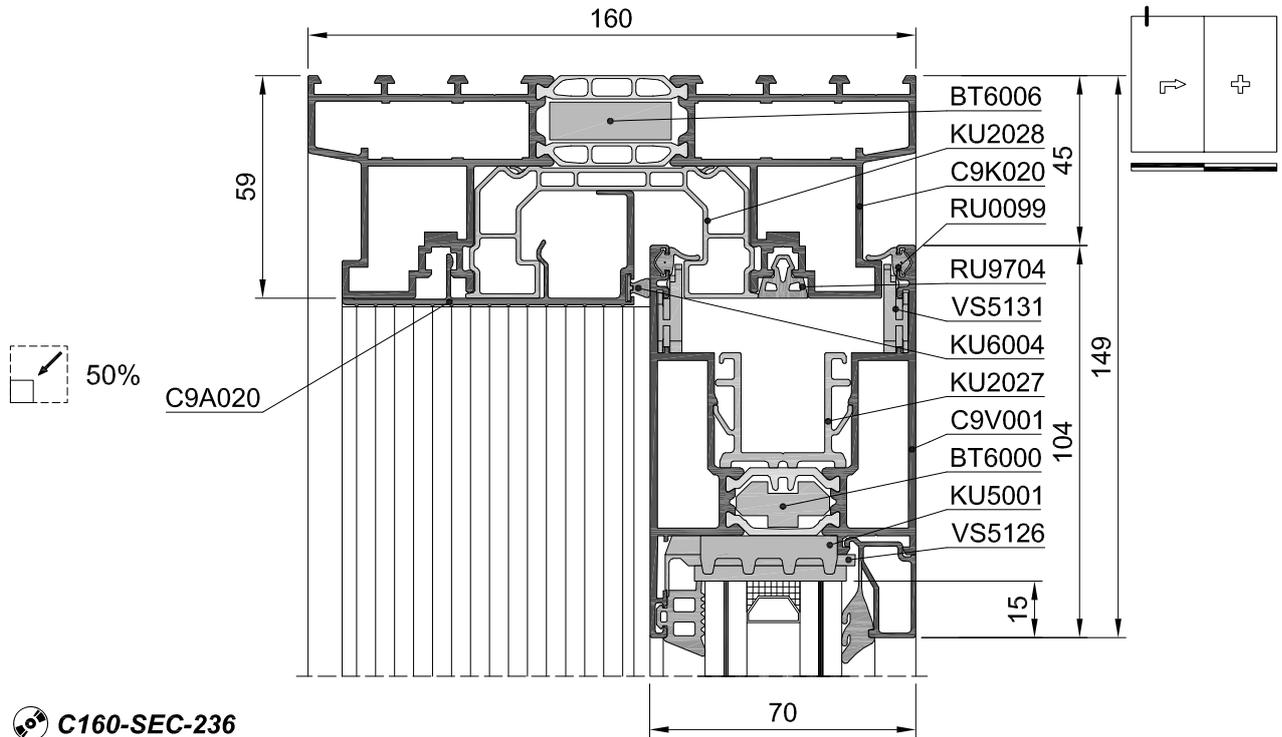
ALZANTE-SCORREVOLE C9V001-C9K030 - CENTRALE



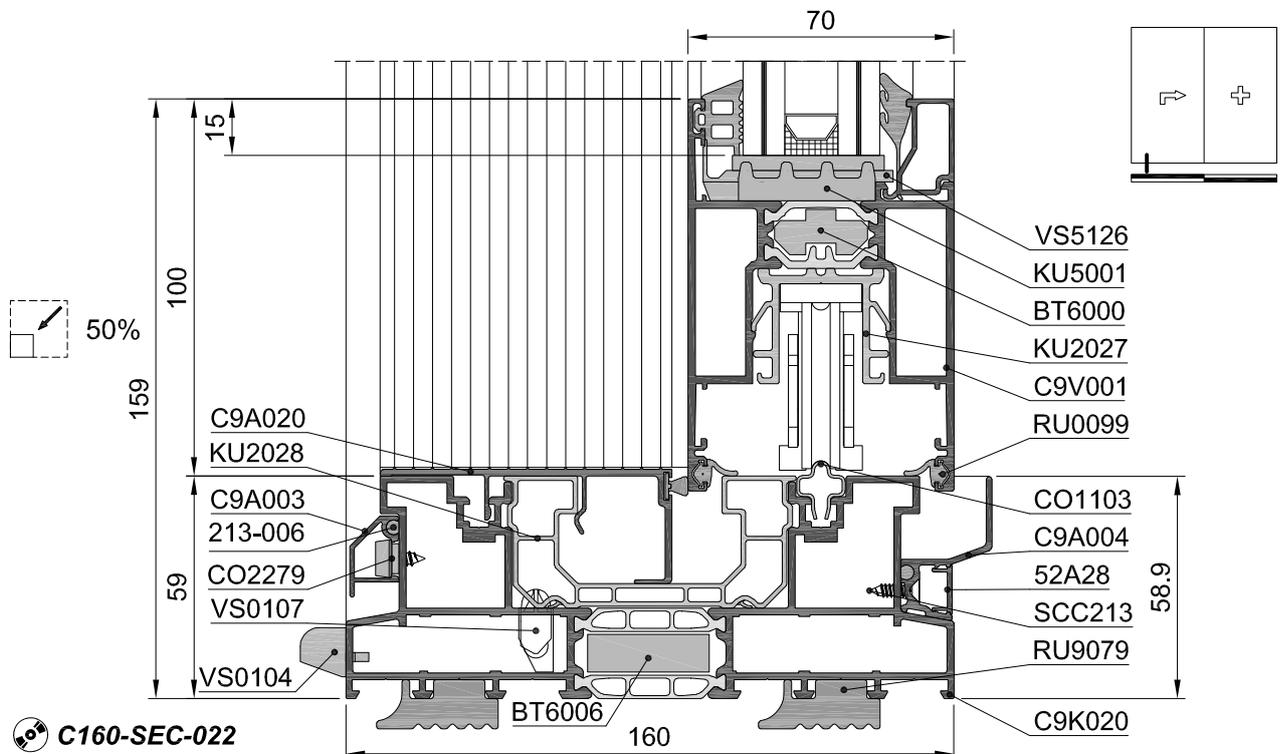
 50%



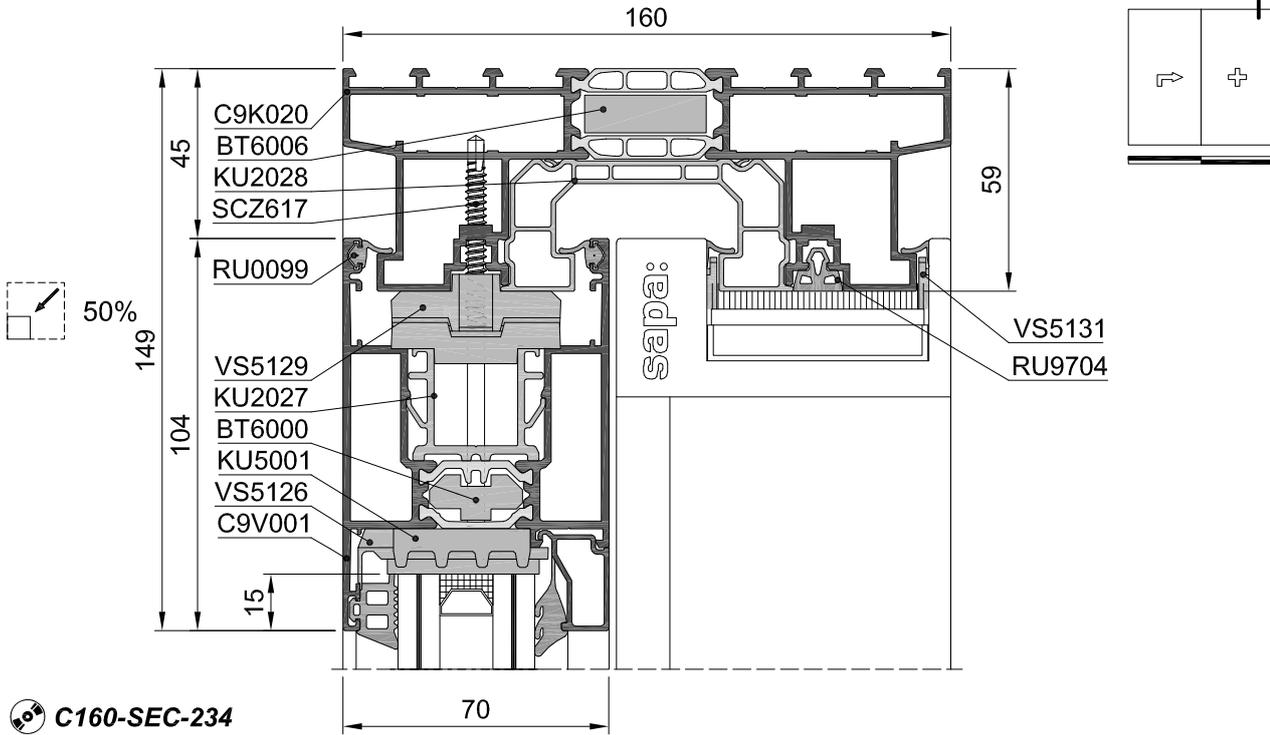
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - SUPERIORE SINISTRO



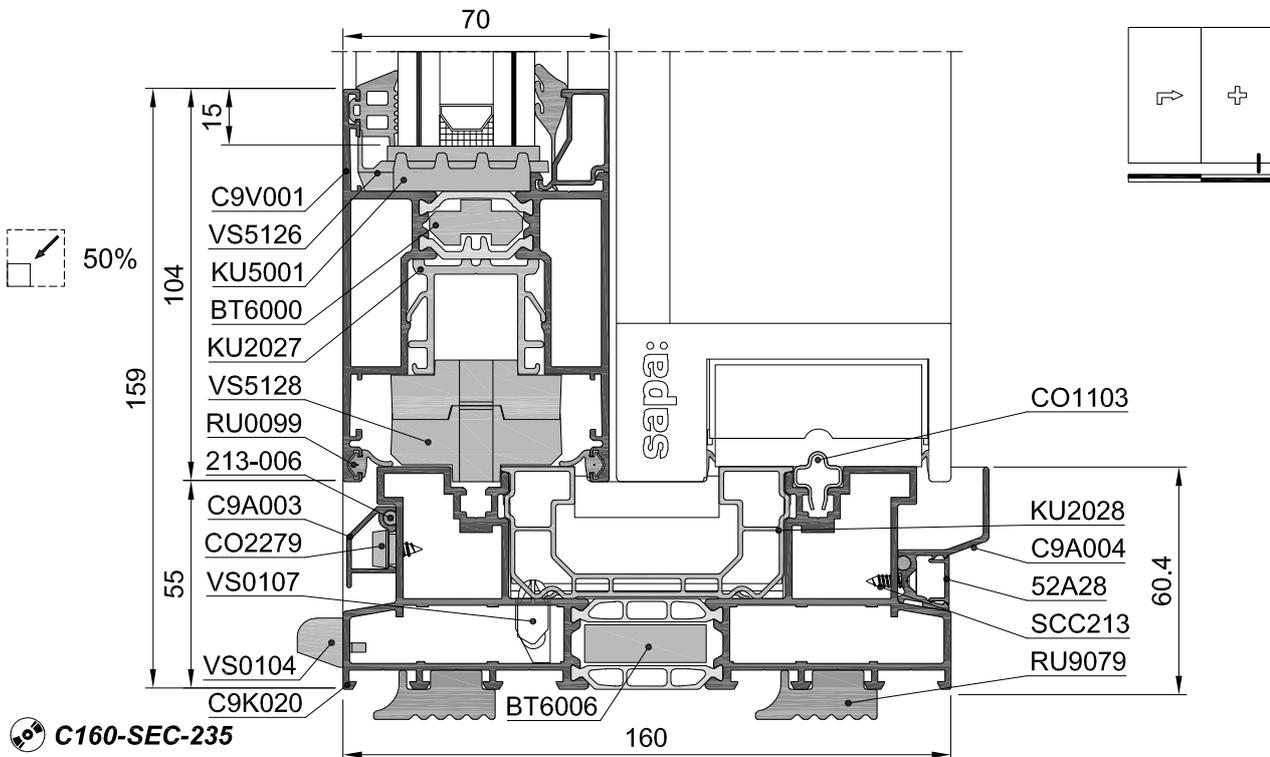
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - INFERIORE SUPERIORE



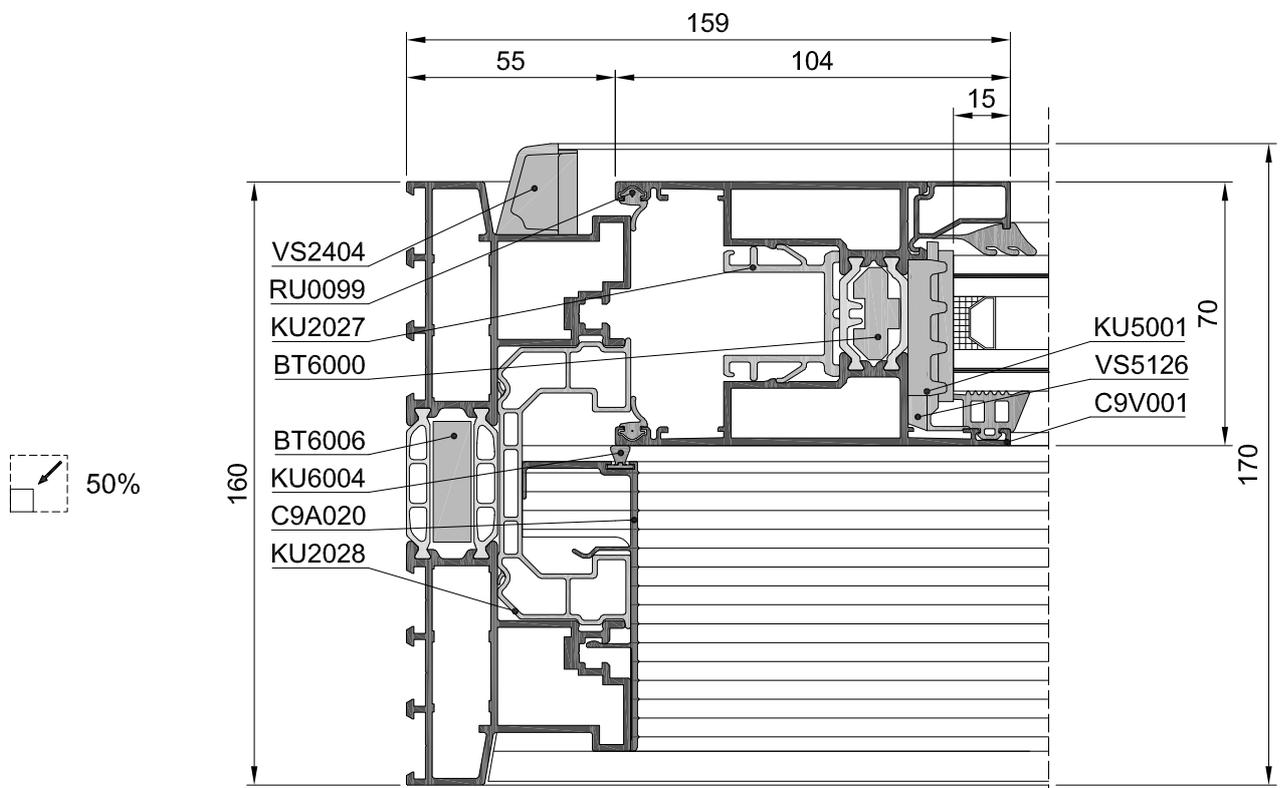
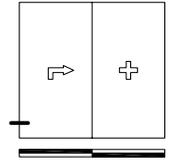
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - SUPERIORE DESTRO



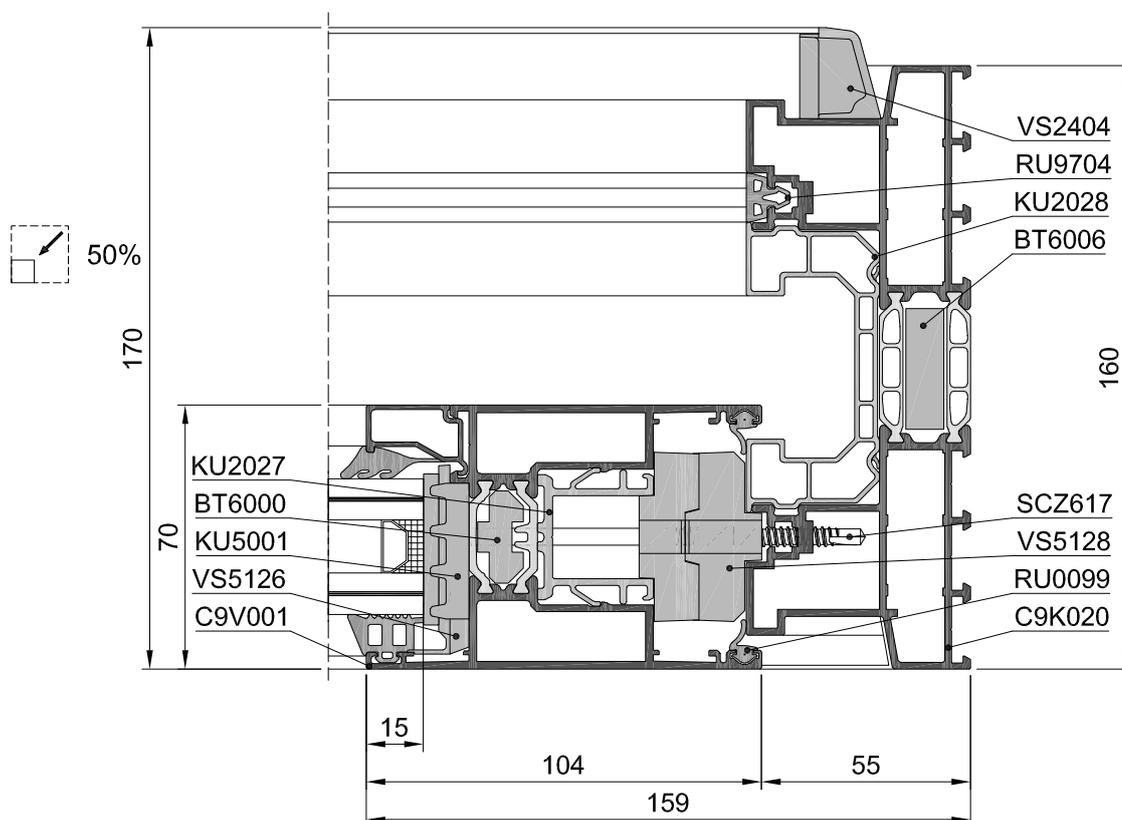
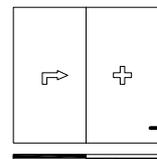
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - INFERIORE DESTRO



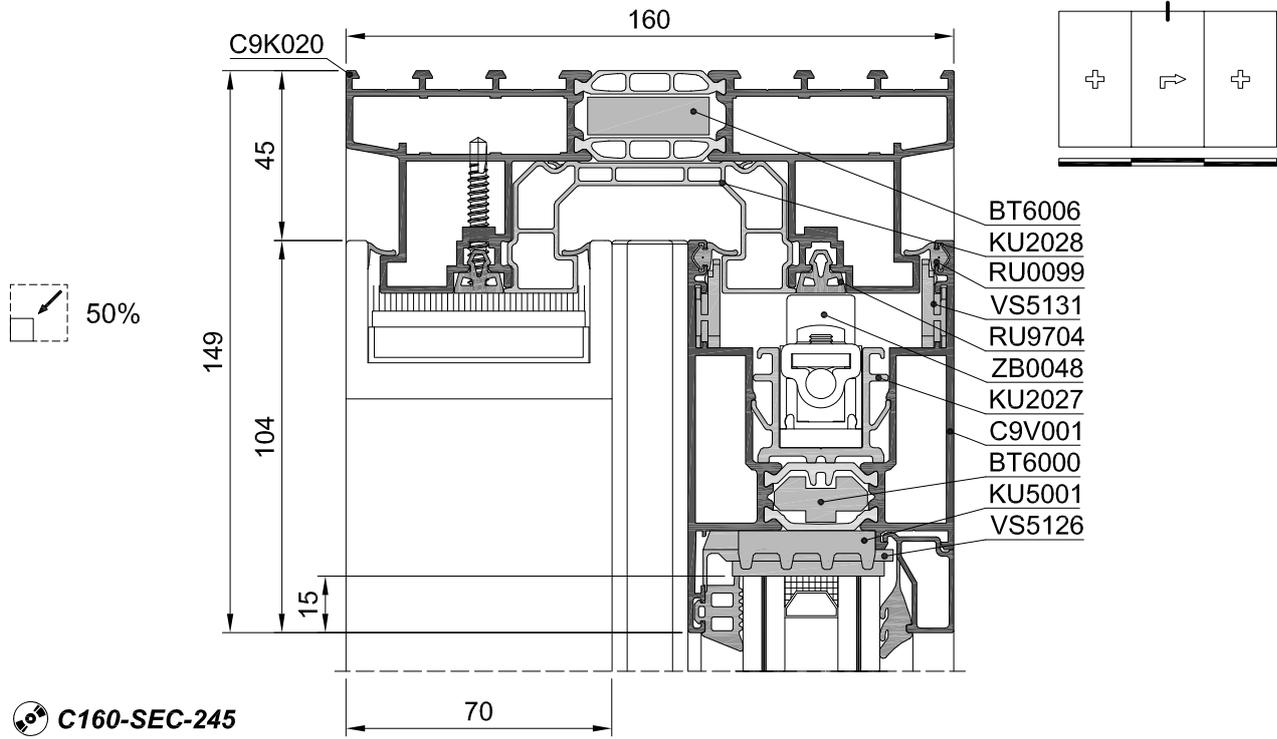
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - SINISTRO



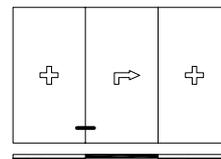
ALZANTE-SCORREVOLE-ANTA FISSA C9V001-C9K020 - DESTRO



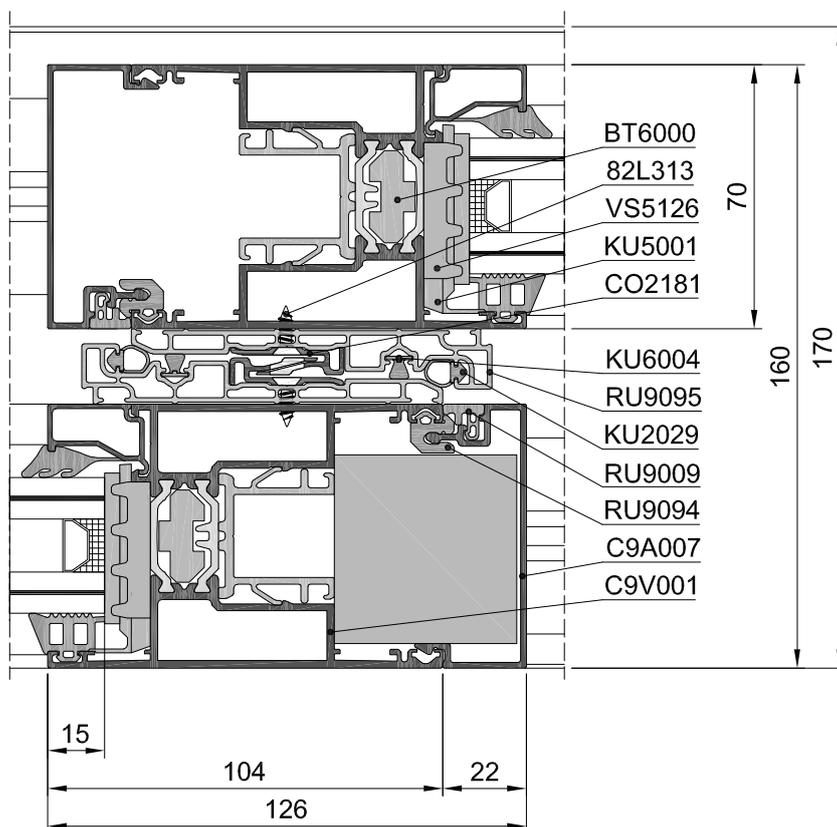
FISSO-ALZANTE-SCORREVOLE-FISSO C9V001-C9K020 - SUPERIORE



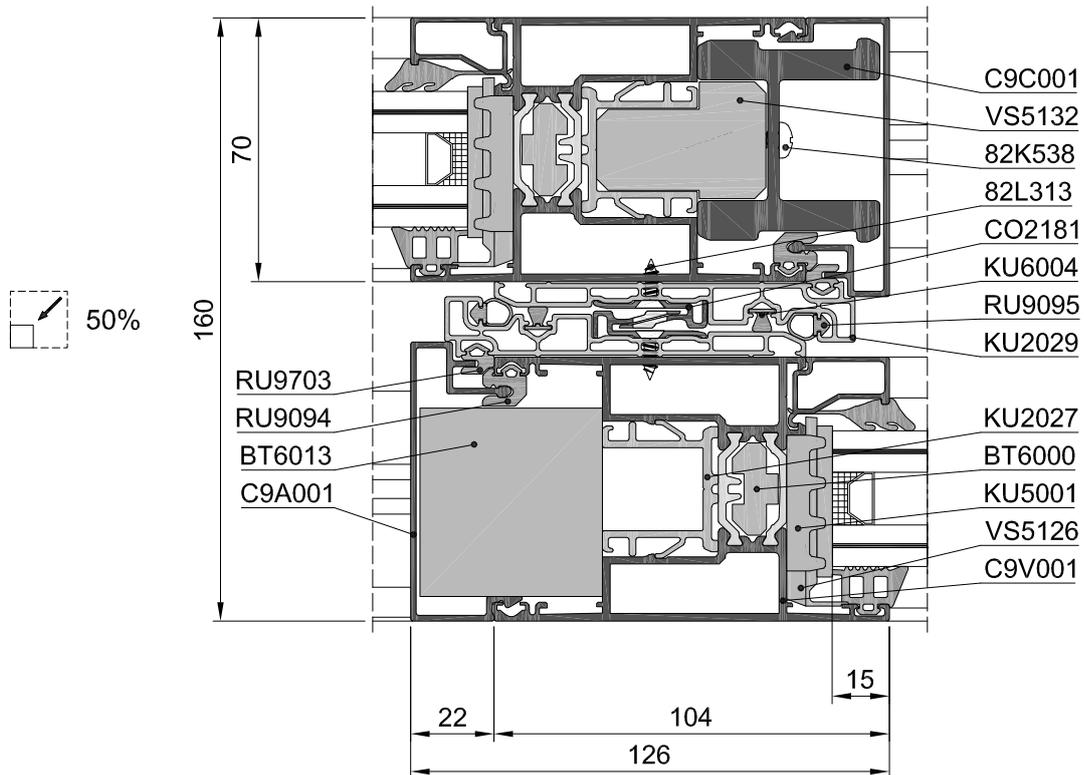
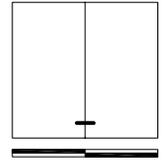
FISSO-ALZANTE-SCORREVOLE-FISSO C9V001-C9K020 - CENTRALE



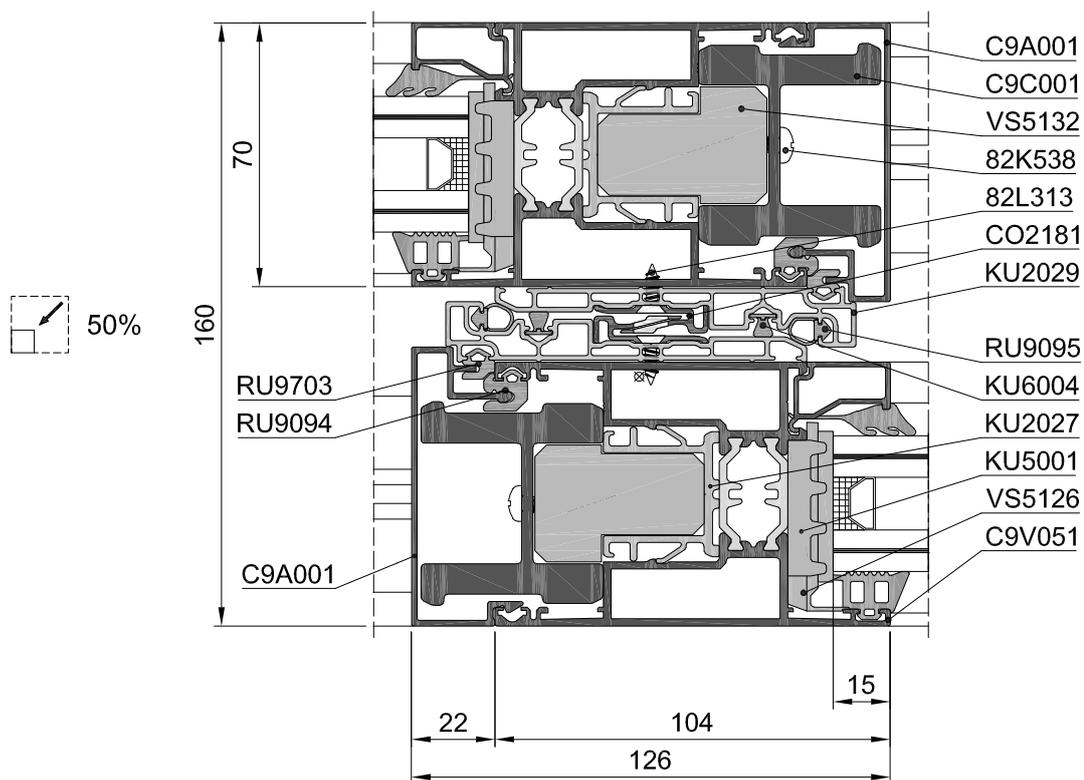
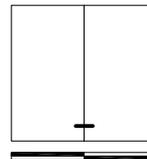
 50%



RINFORZO INTERNO - 1 ANTA



RINFORZO INTERNO - 2 ANTE

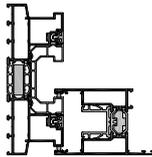




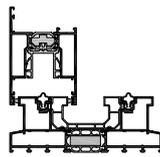
Distinte di taglio

1. Le pagine seguenti racchiudono le liste di taglio e la descrizione degli accessori per consentire il calcolo rapido dei materiali. Tuttavia, queste liste mostrano una selezione delle applicazioni più comuni del sistema. Misure di taglio piani di combinazioni di applicazioni o situazioni che non sono in questi elenchi saranno fornite su richiesta.
2. È possibile calcolare le dimensioni delle finestre in maniera semplice o più complessa.
3. Esempio di definizione di "esterno" e "interno" per nodo orizzontale e verticale.

Interno



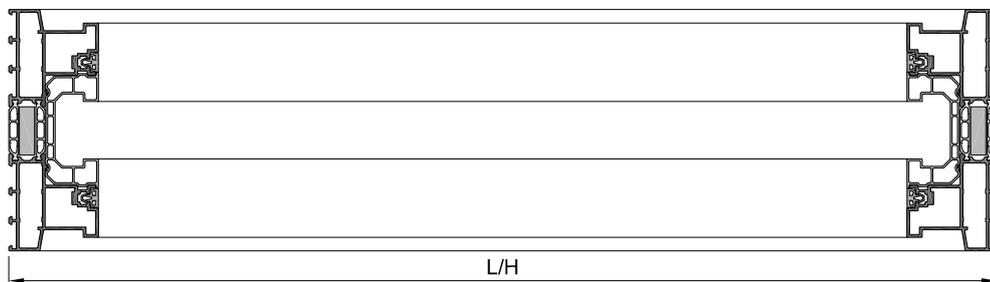
Esterno



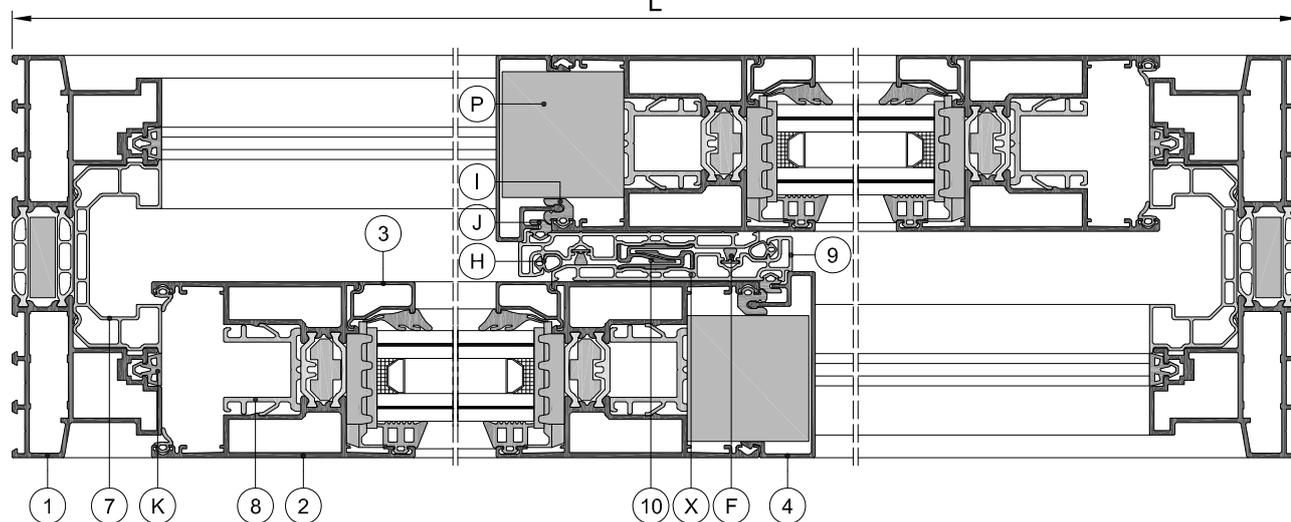
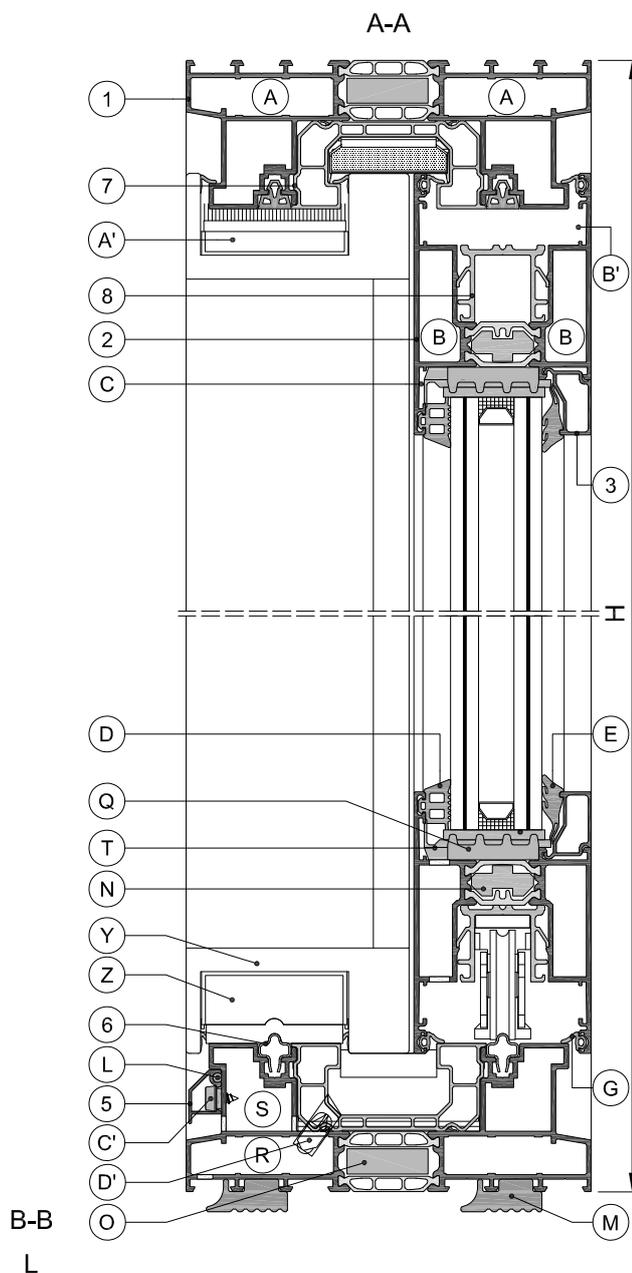
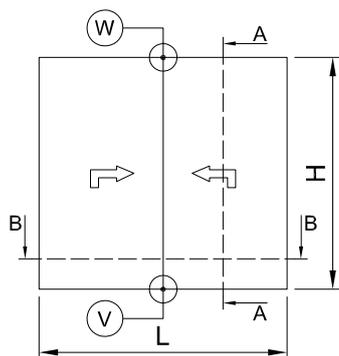
Interno

Esterno

4. Le misure L e H corrispondono alla rispettiva larghezza e altezza del telaio.

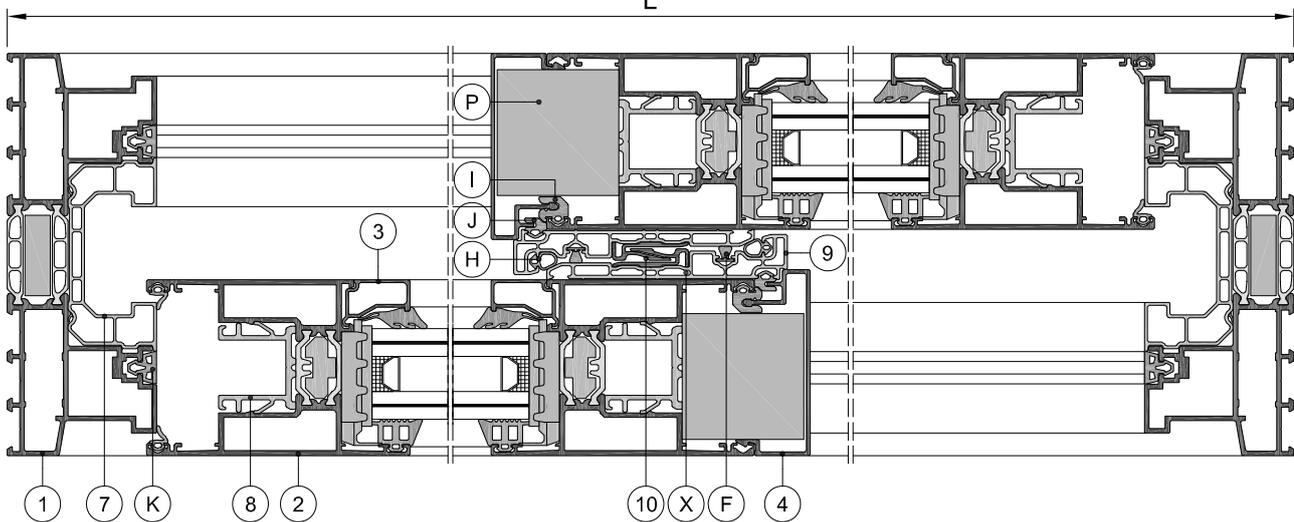
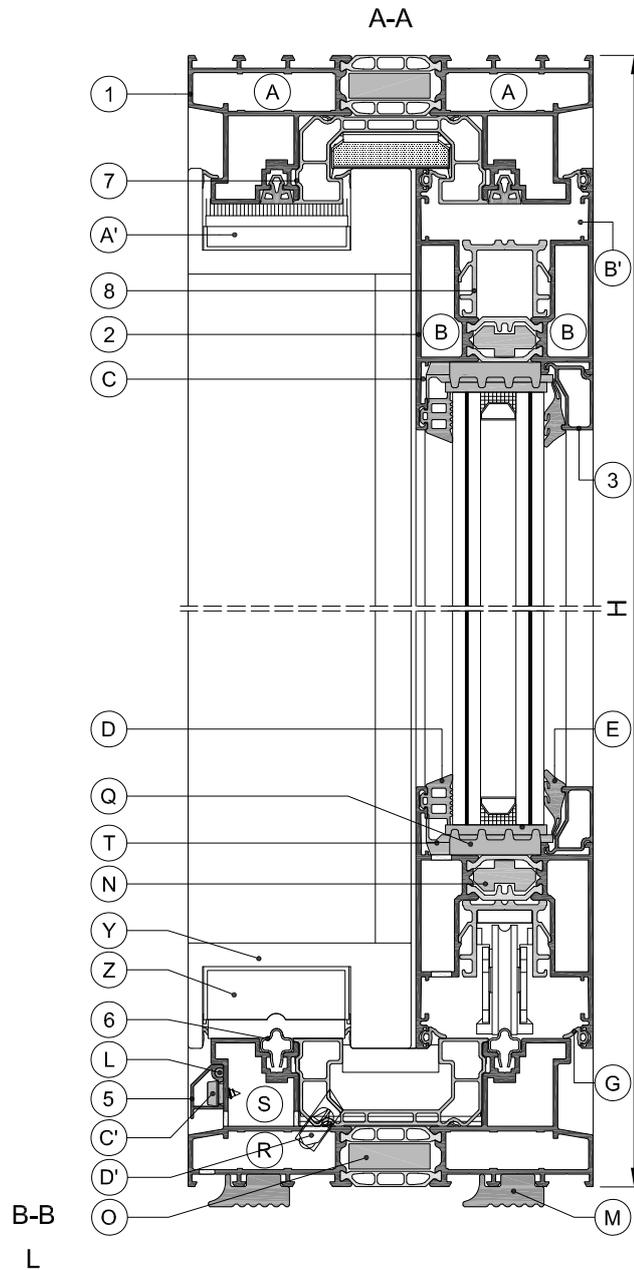
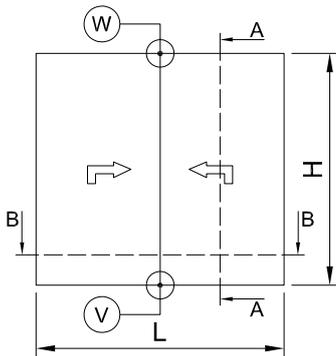


5. I parametri consentono di calcolare l'intera gamma di telai, ante e traverse.
6. Si prega di consultare la sezione E per una scelta alternativa di accessori e i capitoli F e J per la ferramenta
7. Fissaggi: per lato almeno due ancoraggi, max. distanza intermedia di 750 mm. Essi sono posti in prossimità di angoli e punti di chiusura punti e sono distanti da angoli e/o traverse alla misura di 200 mm. Essi non sono inclusi nelle distinte consultabili anche nel capitolo J assemblaggio.
8. Vetratura: per informazioni sull'installazione supporti vetri e piani di appoggio, vedere il capitolo J assemblaggio. I fermavetri hanno un'altezza uniforme di 22 mm. (vedi capitolo D vetri).



2-BINARI 2-ANTE ALZANTE SCORREVOLE TELAIO 45°

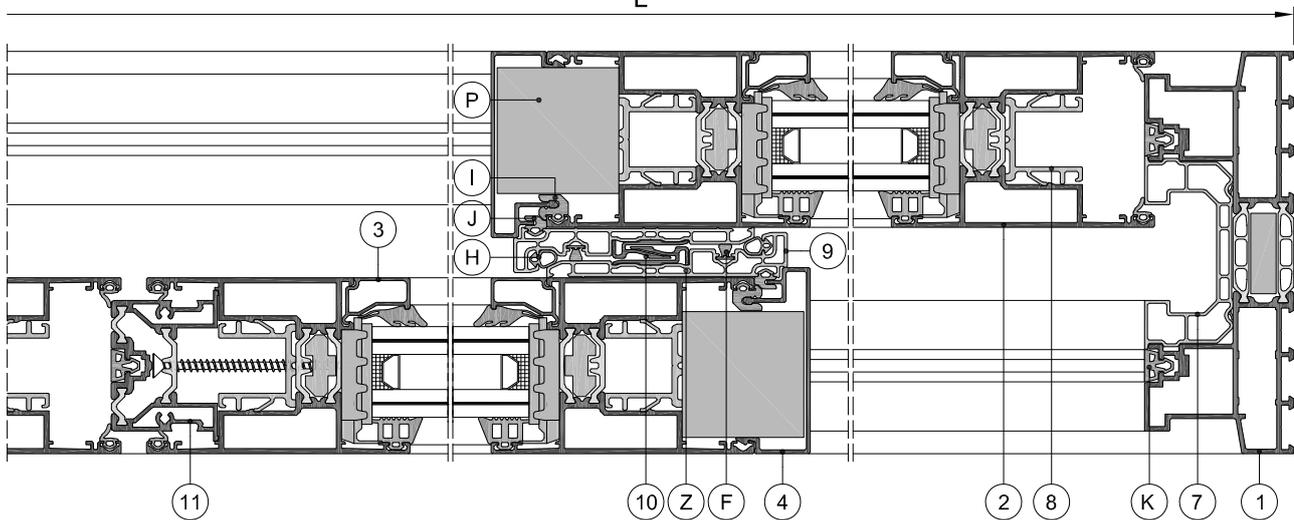
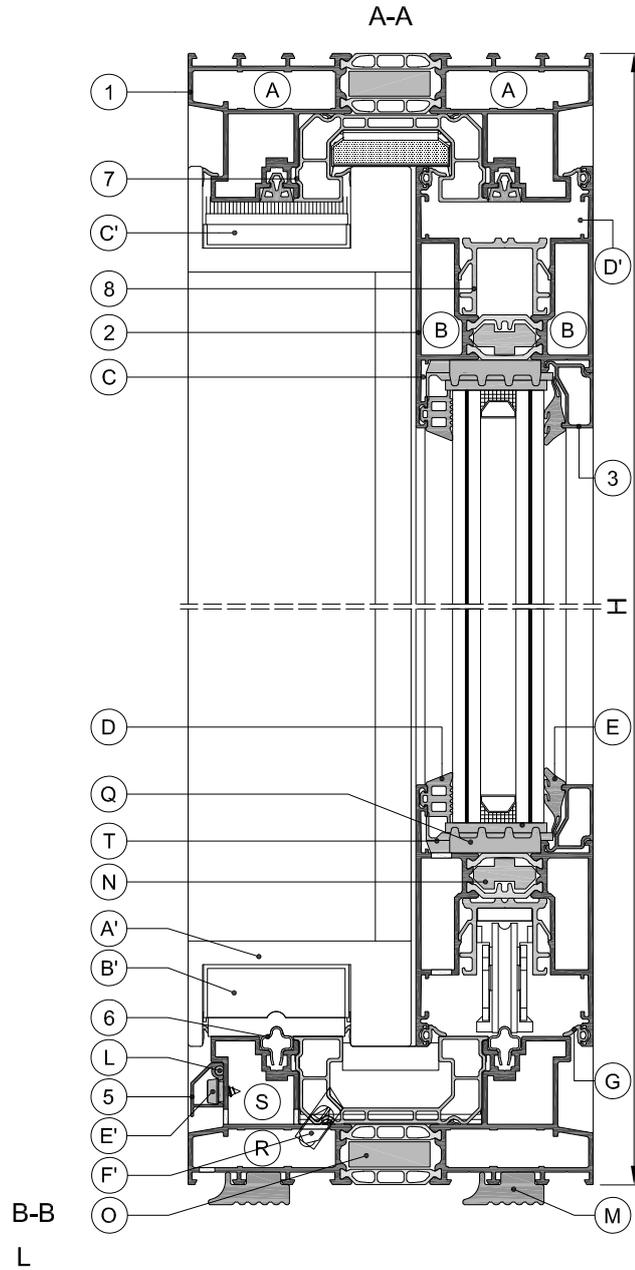
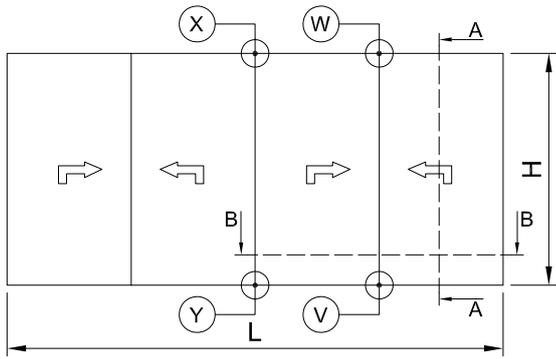
| N° | PROFILATI | | QUANTITA' | TAGLIO | LUNGHEZZA TAGLIO | |
|-------------------------|---|---------|-----------|---|------------------|---------|
| | Icona | Modello | | | L | H |
| 1 |  | C9K020 | 2 2 |  | L | H |
| 2 |  | C9V001 | 4 4 |  | L/2 - 14 | H - 100 |
| 3 |  | GCxxxx | 4 4 |  | L/2 - 178 | H - 308 |
| 4 |  | C9A001 | 2 |  | H - 184 | |
| 5 |  | C9A003 | 1 |  | L - 44 | |
| 6 |  | CO1103 | 2 |  | L - 118 | |
| 7 |  | KU2028 | 2 2 |  | L - 48 | H - 48 |
| 8 |  | KU2027 | 4 4 |  | L/2 - 71 | H - 157 |
| 9 |  | KU2029 | 2 |  | H - 104 | |
| 10 |  | CO2181 | 2 |  | H - 104 | |
| DIMENSIONE VETRI | | | | | L/2 - 192 | H - 278 |



2-BINARI 2-ANTE ALZANTE SCORREVOLE TELAIO 45°

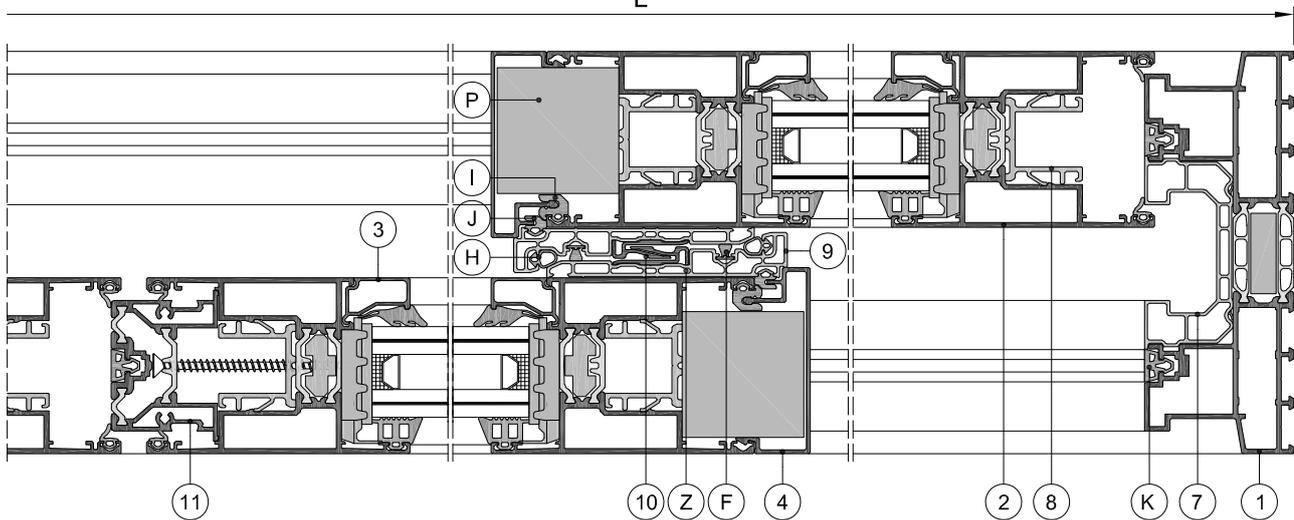
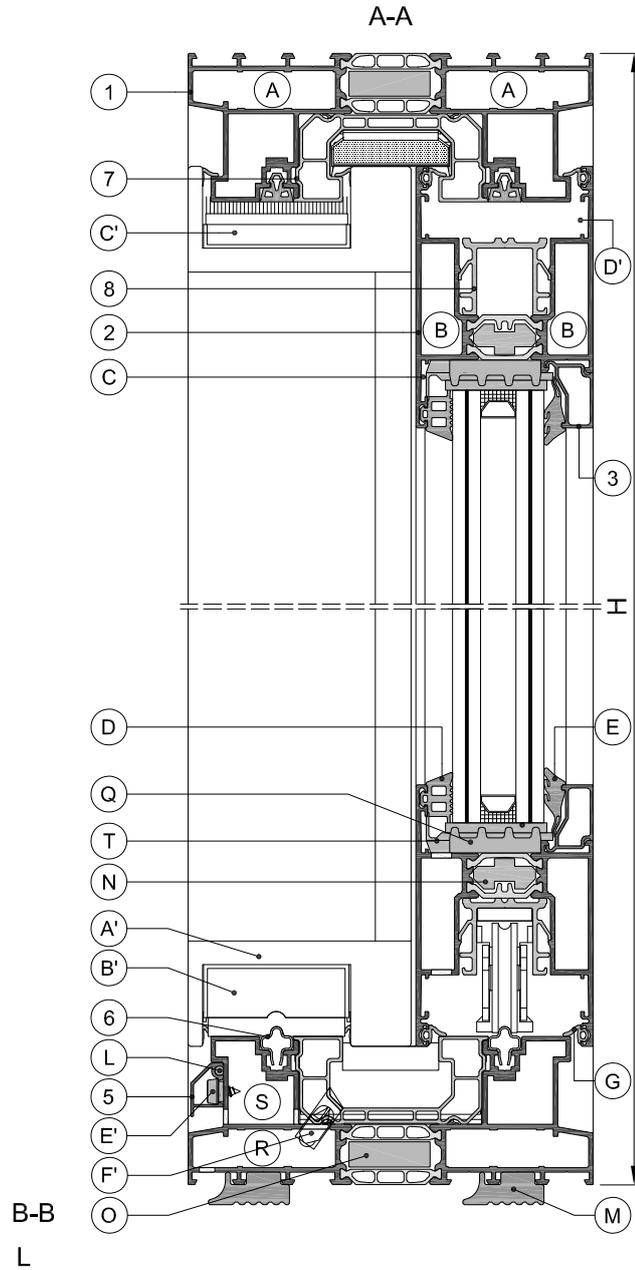
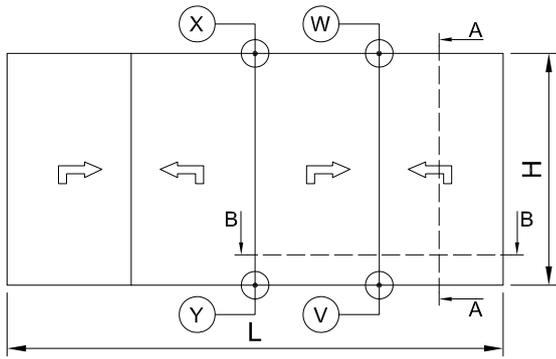
| | ACCESSORI | QUANTITA' |
|----------|--------------------------|--------------|
| A | HV0G03 / 778500 | 8 / 32 |
| B | HV3H26 / 778500 / 71C011 | 16 / 32 / 32 |
| C | HV4K00 / HV4K01 | 16 / 8 |
| D | RU0002 | 2L + 4H |
| E | 39R507 | 2L + 4H |
| F | KU6004 | 2H |
| G | RU0099 | 4L + 4H |
| H | RU9095 | 2H |
| I | RU9094 | 2H |
| J | RU9703 | 2H |
| K | RU9704 | 2L + 4H |
| L | 213-006 | L |
| M | RU9079 - FACOLTATIVA | 2L |
| N | BT6000-VERSIONE SI | 2L + 4H |
| O | BT6006-VERSIONE SI | 2L + 2H |

| | ACCESSORI | QUANTITA' |
|-----------|---------------------|--------------------|
| P | BT6013-VERSIONE SI | 2H |
| Q | KU5001-VERSIONE SHI | 2L + 4H |
| R | VS9951 | 2 |
| S | VS9950 | 4 |
| T | VS5130 | 16 |
| V | CO1105 | 1 |
| W | CO1111 | 1 |
| X | VS9148 (set) | 2 |
| Y | VS9149 (set) | 2 |
| Z | CO1107 | 2 |
| A' | CO1110 | 2 |
| B' | VS5131 | 8 |
| C' | CO2279 | 3/m |
| D' | VS0107 | 1 |
| | D4074009 | VEDI PAG. J.1.4 |
| | SV9002 | 1 |



2-BINARI 4-ANTE ALZANTE SCORREVOLE TELAIO 45°

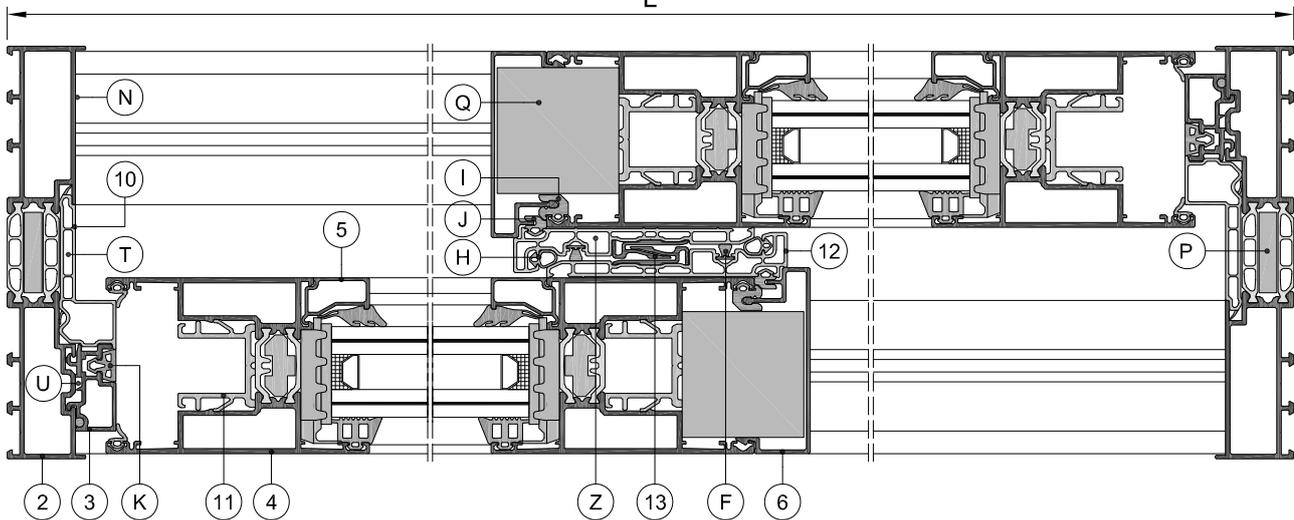
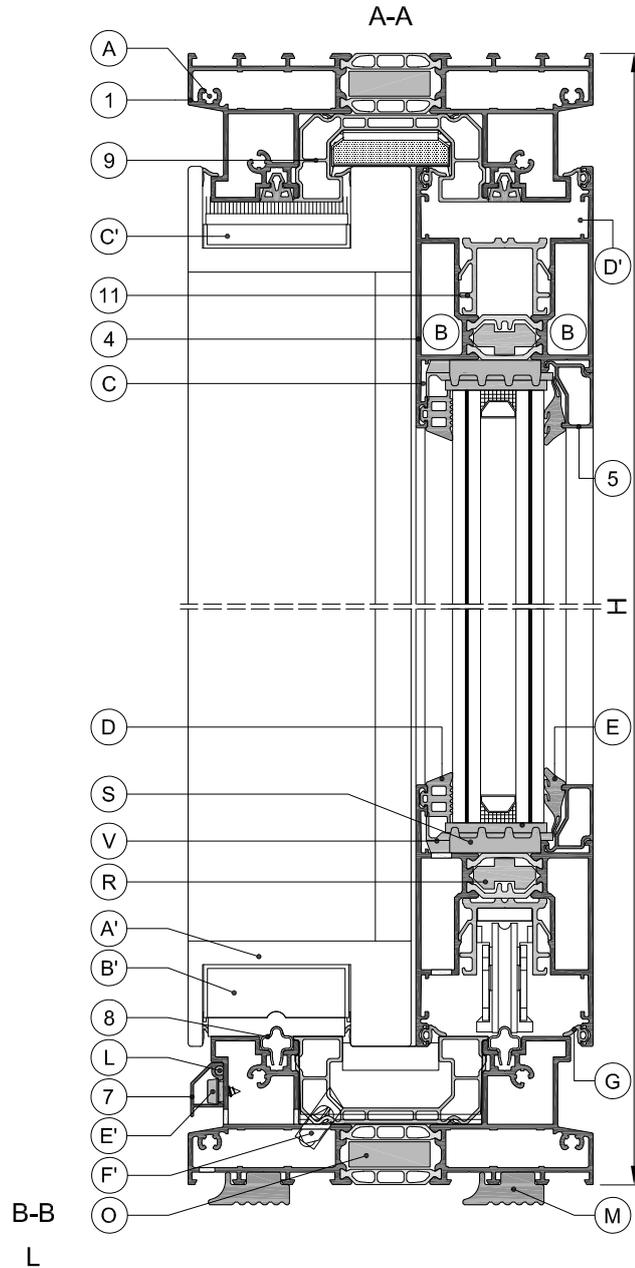
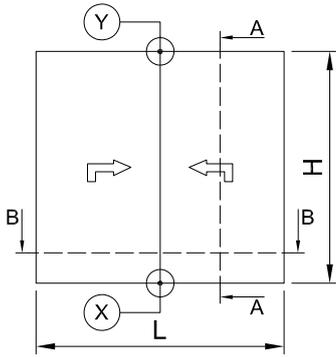
| | PROFILATI | | QUANTITA' | TAGLIO | LUNGHEZZA TAGLIO | |
|-------------------------|---|--------|-----------|---|----------------------|---------|
| 1 |  | C9K020 | 2 2 |  | L H | |
| 2 |  | C9V001 | 8 8 |  | L/4 + 11 H - 100 | |
| 3 |  | GCxxxx | 8 8 |  | L/4 - 153 H - 308 | |
| 4 |  | C9A001 | 4 |  | H - 184 | |
| 5 |  | C9A003 | 1 |  | L - 44 | |
| 6 |  | CO1103 | 2 |  | L - 118 | |
| 7 |  | KU2028 | 2 2 |  | L - 48 H - 48 | |
| 8 |  | KU2027 | 8 8 |  | L/4 - 46 H - 157 | |
| 9 |  | KU2029 | 4 |  | H - 104 | |
| 10 |  | CO2181 | 4 |  | H - 104 | |
| 11 |  | C9C002 | 1 |  | H - 179 | |
| DIMENSIONE VETRI | | | | | L/4 - 167 | H - 278 |



2-BINARI 4-ANTE ALZANTE SCORREVOLE TELAIO 45°

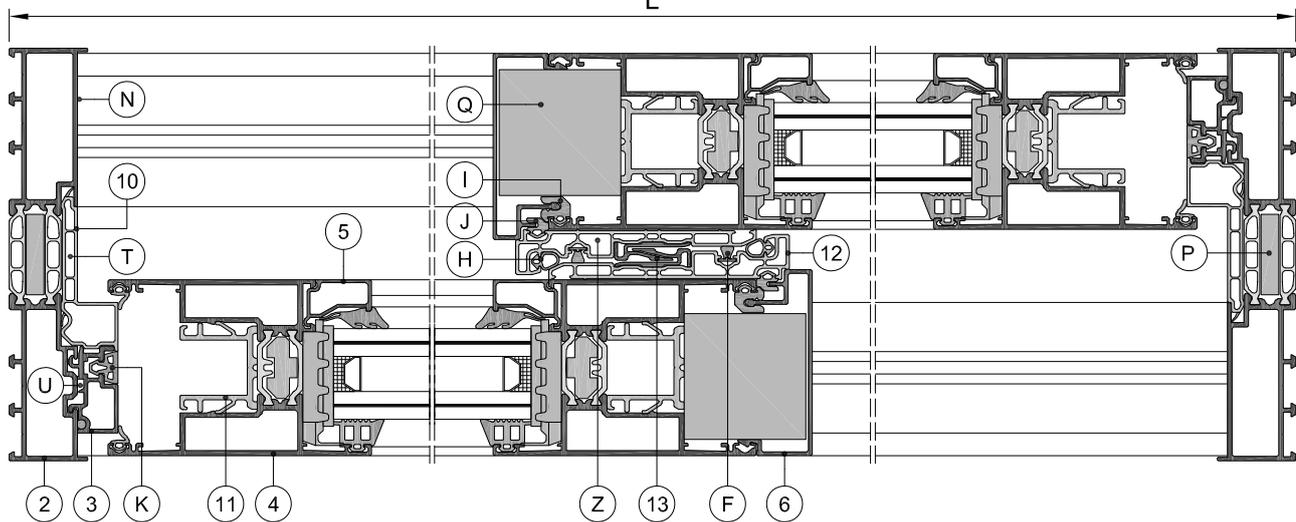
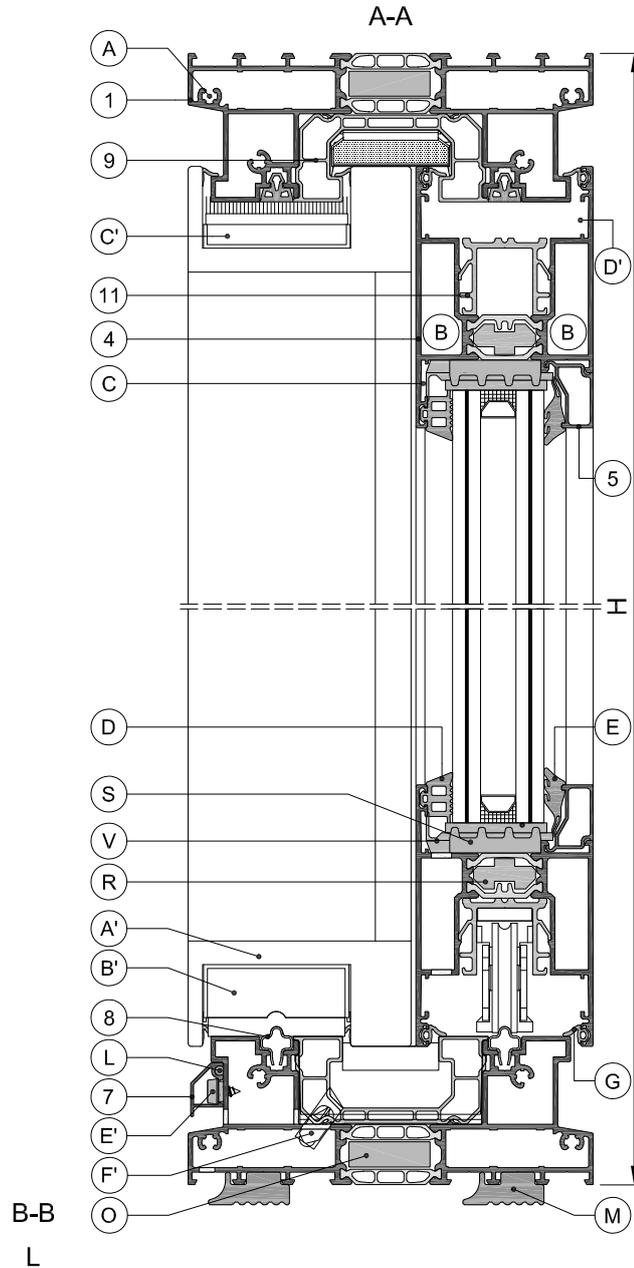
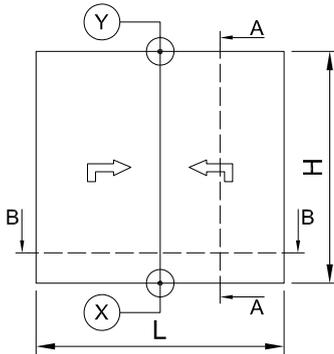
| | ACCESSORI | QUANTITA' |
|----------|--------------------------|--------------|
| A | HV0G03 / 778500 | 8 / 32 |
| B | HV3H26 / 778500 / 71C011 | 32 / 64 / 64 |
| C | HV4K00 / HV4K01 | 32 / 16 |
| D | RU0002 | 2L + 8H |
| E | 39R507 | 2L + 8H |
| F | KU6004 | 4H |
| G | RU0099 | 4L + 8H |
| H | RU9095 | 4H |
| I | RU9094 | 4H |
| J | RU9703 | 4H |
| K | RU9704 | 2L + 5H |
| L | 213-006 | L |
| M | RU9079 - FACOLTATIVA | 2L |
| N | BT6000-VERSIONE SI | 2L + 8H |
| O | BT6006-VERSIONE SI | 2L + 2H |
| P | BT6013-VERSIONE SI | 4H |

| | ACCESSORI | QUANTITA' |
|-----------|---------------------|--------------------|
| Q | KU5001-VERSIONE SHI | 2L + 8H |
| R | VS9950 | 4 |
| S | VS9951 | 2 |
| T | VS5130 | 32 |
| V | CO1105 | 2 |
| W | CO1111 | 2 |
| X | CO1118 | 1 |
| Y | CO1125 | 1 |
| Z | VS9148 (set) | 4 |
| A' | VS9149 (set) | 4 |
| B' | CO1107 | 4 |
| C' | CO1110 | 4 |
| D' | VS5131 | 16 |
| E' | CO2279 | 3/m |
| F' | VS0107 | 2 |
| | D4074009 | VEDI PAG. J.1.4 |
| | CO1214 | 2 |
| | SV9002 | 2 |



2-BINARI 2-ANTE ALZANTE SCORREVOLE TELAIO 90°

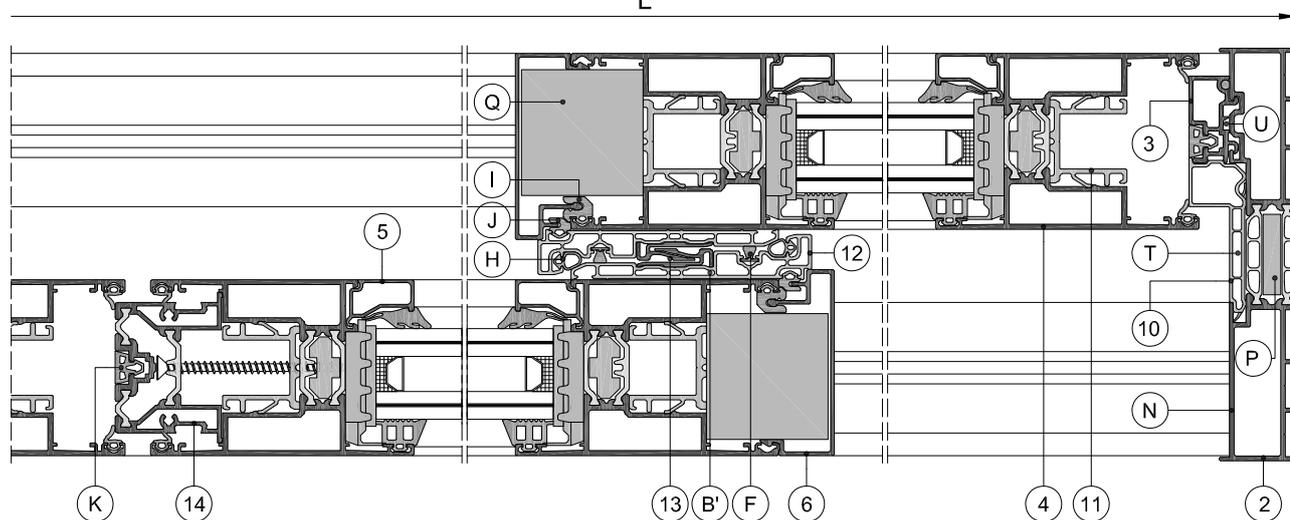
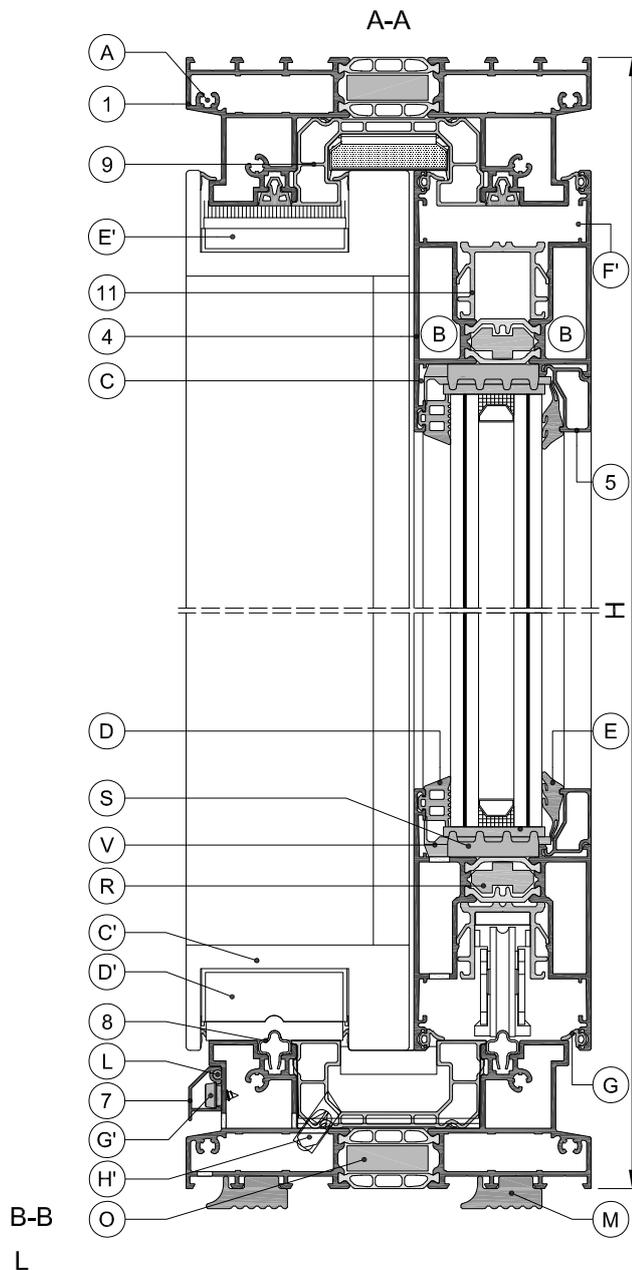
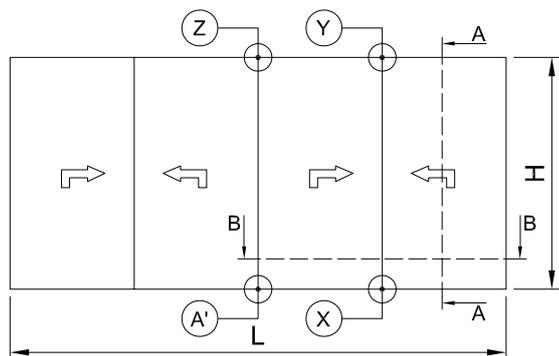
| | PROFILATI | | QUANTITA' | TAGLIO | LUNGHEZZA TAGLIO | |
|-------------------------|---|--------|-----------|---|----------------------|---------|
| 1 |  | C9K120 | 2 |  | L - 57 | |
| 2 |  | C9K121 | 2 |  | H | |
| 3 |  | C9A100 | 2 |  | H - 118 | |
| 4 |  | C9V001 | 4 4 |  | L/2 + 2 H - 100 | |
| 5 |  | GCxxxx | 4 4 |  | L/2 - 162 H - 308 | |
| 6 |  | C9A001 | 2 |  | H - 184 | |
| 7 |  | C9A003 | 1 |  | L - 54 | |
| 8 |  | CO1103 | 2 |  | L - 71 | |
| 9 |  | KU2028 | 2 |  | L - 57 | |
| 10 |  | KU2035 | 2 |  | H - 118 | |
| 11 |  | KU2027 | 4 4 |  | L/2 - 55 H - 157 | |
| 12 |  | KU2029 | 2 |  | H - 104 | |
| 13 |  | CO2181 | 2 |  | H - 104 | |
| DIMENSIONI VETRI | | | | | L/2 - 176 | H - 278 |



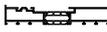
2-BINARI 2-ANTE ALZANTE SCORREVOLE TELAIO 90°

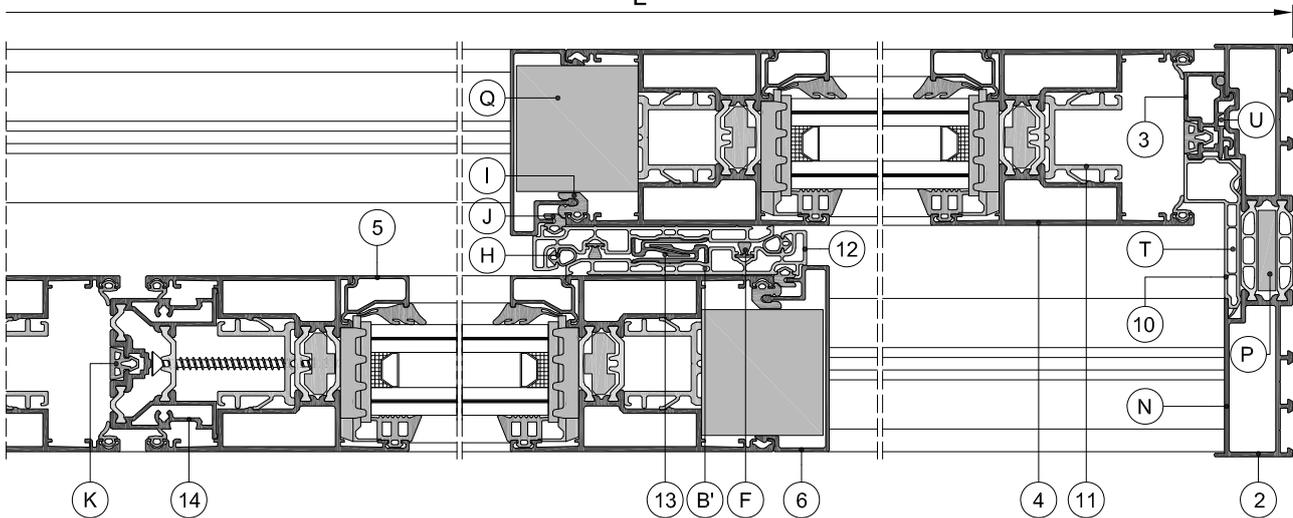
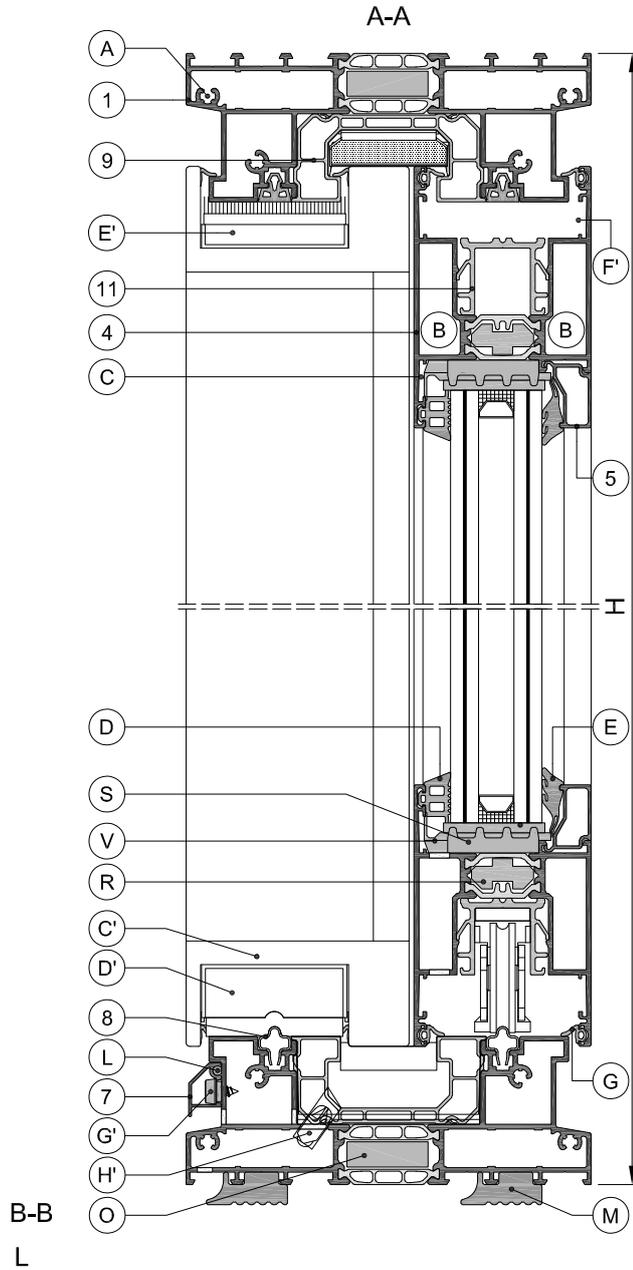
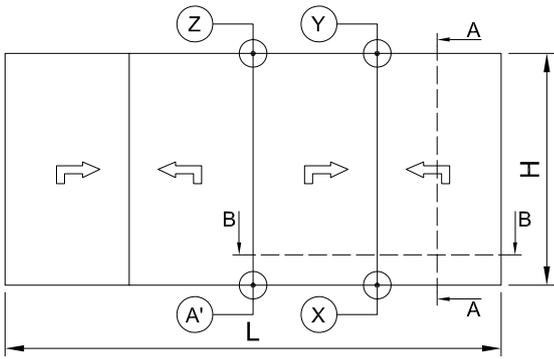
| | ACCESSORI | QUANTITA' |
|----------|--------------------------|--------------|
| A | 787-570 | 16 |
| B | HV3H26 / 778500 / 71C011 | 16 / 32 / 32 |
| C | HV4K00 / HV4K01 | 16 / 8 |
| D | RU0002 | 2L + 4H |
| E | 39R507 | 2L + 4H |
| F | KU6004 | 2H |
| G | RU0099 | 4L + 4H |
| H | RU9095 | 2H |
| I | RU9094 | 2H |
| J | RU9703 | 2H |
| K | RU9704 | 2L + 2H |
| L | 213-006 | L + 2H |
| M | RU9079 - FACOLTATIVA | 2L |
| N | VS9956 | 4 |
| O | BT6006-VERSIONE SI | 2L |
| P | BT6019-VERSIONE SI | 2H |

| | ACCESSORI | QUANTITA' |
|-----------|---------------------|--------------------|
| Q | BT6013-VERSIONE SI | 2H |
| R | BT6000-VERSIONE SI | 2L + 4H |
| S | KU5001-VERSIONE SHI | 2L + 4H |
| T | VS9957 | 4 |
| U | CO0132 | 4 |
| V | VS5130 | 16 |
| X | CO1105 | 1 |
| Y | CO1111 | 1 |
| Z | VS9148 (set) | 2 |
| A' | VS9149 (set) | 2 |
| B' | CO1107 | 2 |
| C' | CO1110 | 2 |
| D' | VS5131 | 8 |
| E' | CO2279 | 3/m |
| F' | VS0107 | 1 |
| | D4074009 | VEDI PAG. J.1.4 |
| | SV9002 | 1 |



2-BINARI 4-ANTE ALZANTE SCORREVOLE TELAIO 90°

| | PROFILATI | | QUANTITA' | TAGLIO | LUNGHEZZA TAGLIO | |
|-------------------------|---|--------|-------------|---|------------------------------------|---------|
| 1 |  | C9K120 | 2 |  | L - 57 | |
| 2 |  | C9K121 | 2 |  | H | |
| 3 |  | C9A100 | 2 |  | H - 118 | |
| 4 |  | C9V001 | 4 4 |  | L/4 + 19 H - 100 | |
| 5 |  | GCxxxx | 4 4 |  | L/4 - 145 H - 308 | |
| 6 |  | C9A001 | 2 |  | H - 184 | |
| 7 |  | C9A003 | 1 |  | L - 54 | |
| 8 |  | CO1103 | 1 1 1 |  | L/2 - 10.5 L/2 - 50.5 L - 86 | |
| 9 |  | KU2028 | 2 |  | L - 57 | |
| 10 |  | KU2035 | 2 |  | H - 118 | |
| 11 |  | KU2027 | 4 4 |  | L/4 - 38 H - 157 | |
| 12 |  | KU2029 | 4 |  | H - 104 | |
| 13 |  | CO2181 | 4 |  | H - 104 | |
| 14 |  | C9C002 | 1 |  | H - 179 | |
| DIMENSIONE VETRI | | | | | L/4 - 159 | H - 278 |



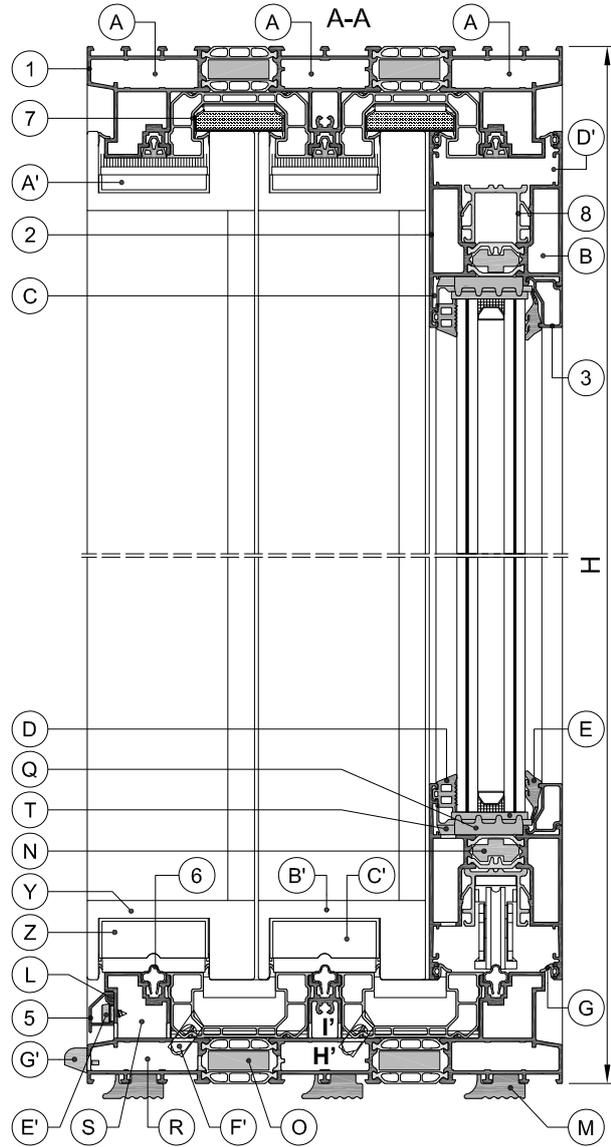
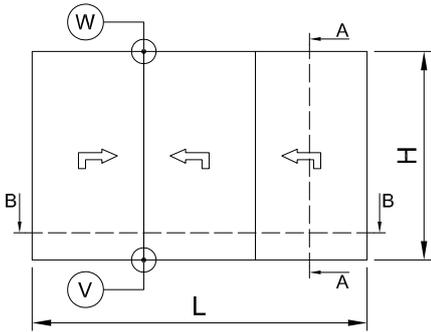
2-BINARI 4-ANTE ALZANTE SCORREVOLE TELAIO 90°

| | ACCESSORI | QUANTITA' |
|----------|--------------------------|--------------|
| A | 787-570 | 16 |
| B | HV3H26 / 778500 / 71C011 | 32 / 64 / 64 |
| C | HV4K00 / HV4K01 | 32 / 16 |
| D | RU0002 | 2L + 8H |
| E | 39R507 | 2L + 8H |
| F | KU6004 | 4H |
| G | RU0099 | 4L + 8H |
| H | RU9095 | 4H |
| I | RU9094 | 4H |
| J | RU9703 | 4H |
| K | RU9704 | 2L + 3H |
| L | 213-006 | L + 2H |
| M | RU9079 - FACOLTATIVA | 2L |
| N | VS9956 | 4 |
| O | BT6006-VERSIONE SI | 2L |
| P | BT6019-VERSIONE SI | 2H |
| Q | BT6013-VERSIONE SI | 4H |

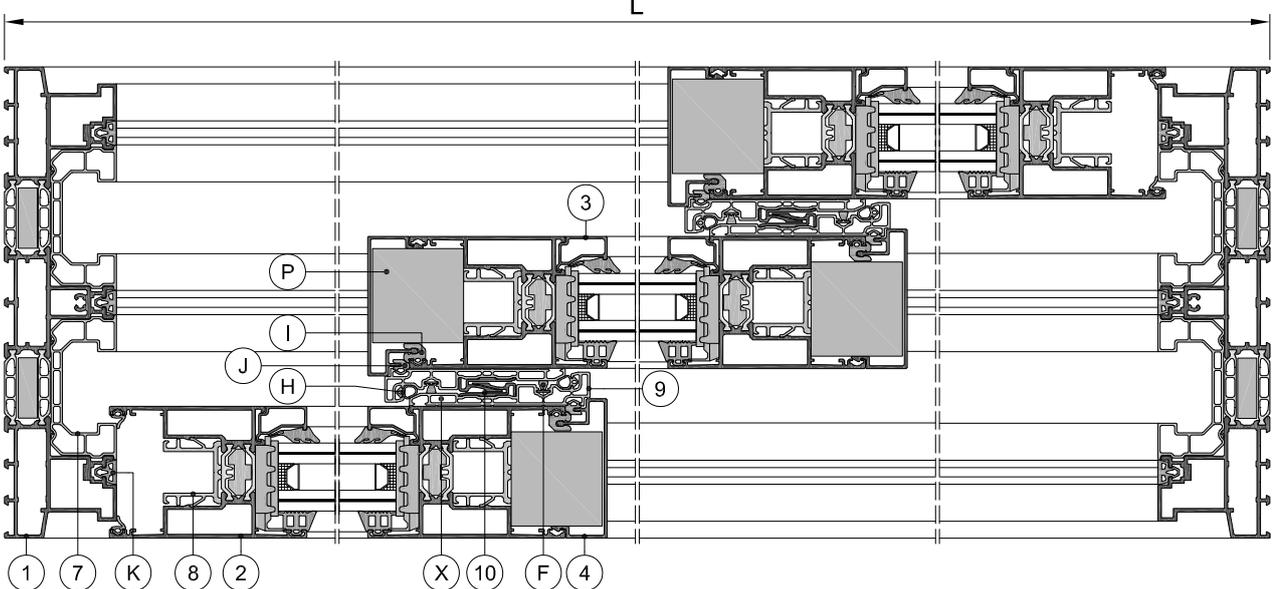
| | ACCESSORI | QUANTITA' |
|-----------|---------------------|--------------------|
| R | BT6000-VERSIONE SI | 2L + 8H |
| S | KU5001-VERSIONE SHI | 2L + 8H |
| T | VS9957 | 4 |
| U | CO0132 | 4 |
| V | VS5130 | 32 |
| X | CO1105 | 2 |
| Y | CO1111 | 2 |
| Z | CO1118 | 1 |
| A' | CO1125 | 1 |
| B' | VS9148 (set) | 4 |
| C' | VS9149 (set) | 4 |
| D' | CO1107 | 4 |
| E' | CO1110 | 4 |
| F' | VS5131 | 16 |
| G' | CO2279 | 3/m |
| H' | VS0107 | 2 |
| | D4074009 | VEDI PAG. J.1.4 |
| | CO1214 | 4 |
| | SV9002 | 2 |

3-BINARI 3-ANTE ALZANTE SCORREVOLE TELAIO 45°

| N° | PROFILATI | | QUANTITA' | TAGLIO | LUNGHEZZA TAGLIO | |
|-------------------------|---|---------|-----------|---|------------------|---------|
| | Icona | Modello | | | L | H |
| 1 |  | C9K030 | 2 2 |  | L | H |
| 2 |  | C9V001 | 6 6 |  | L/3 + 18 | H - 100 |
| 3 |  | GCxxxx | 6 6 |  | L/3 - 146 | H - 308 |
| 4 |  | C9A001 | 4 |  | H - 184 | |
| 5 |  | C9A003 | 1 |  | L - 44 | |
| 6 |  | CO1103 | 3 |  | L - 118 | |
| 7 |  | KU2028 | 4 4 |  | L - 48 | H - 48 |
| 8 |  | KU2027 | 6 6 |  | L/3 - 39 | H - 157 |
| 9 |  | KU2029 | 4 |  | H - 104 | |
| 10 |  | CO2181 | 4 |  | H - 104 | |
| DIMENSIONE VETRI | | | | | L/3 - 160 | H - 278 |



B-B



3-BINARI 3-ANTE ALZANTE SCORREVOLE TELAIO 45°

| | ACCESSORI | QUANTITA' |
|----------|--------------------------|--------------|
| A | HV0G03 / 778500 | 12 / 48 |
| B | HV3H26 / 778500 / 71C011 | 24 / 48 / 48 |
| C | HV4K00 / HV4K01 | 24 / 12 |
| D | RU0002 | 2L + 6H |
| E | 39R507 | 2L + 6H |
| F | KU6004 | 4H |
| G | RU0099 | 4L + 4H |
| H | RU9095 | 4H |
| I | RU9094 | 4H |
| J | RU9703 | 4H |
| K | RU9704 | 3L + 6H |
| L | 213-006 | L |
| M | RU9079 - FACOLTATIVA | 3L |
| N | BT6000-VERSIONE SI | 2L + 6H |
| O | BT6006-VERSIONE SI | 4L + 4H |
| P | BT6013-VERSIONE SI | 4H |
| Q | KU5001-VERSIONE SHI | 2L + 6H |

| | ACCESSORI | QUANTITA' |
|-----------|--------------|--------------------|
| R | VS9950 | 4 |
| S | VS9951 | 2 |
| T | VS5130 | 24 |
| V | CO1107 | 4 |
| W | CO1111 | 2 |
| X | VS9148 (set) | 4 |
| Y | VS9149 (set) | 4 |
| Z | CO1105 | 2 |
| A' | CO1110 | 4 |
| B' | VS9163 | 1 |
| C' | CO1127 | 1 |
| D' | VS5131 | 12 |
| E' | CO2279 | 3/m |
| F' | VS0107 | 2 |
| G' | D4074009 | VEDI PAG. J.1.4 |
| H' | VS9964 | 2 |
| I' | VS9965 | 2 |
| | SV9002 | 2 |

**Ferramenta & disegni
assemblaggio**

ASSEMBLAGGIO GENERALE - E SPECIFICHE DI MONTAGGIO IN OFFICINA

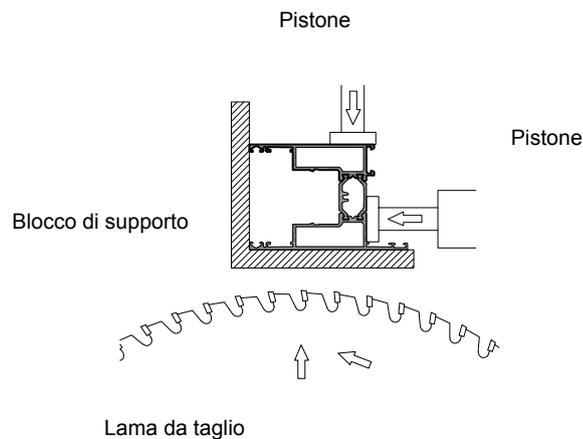
Oltre alle tecniche e termini determinati dalle norme ufficiali (Nazionali ed Europee), alcune regole di base devono essere rispettate durante il montaggio e l'installazione di una finestra per produrre un prodotto di qualità.

Nel seguente, elenco, non limitato, le specifiche sono date per la costruzione, produzione e posa di finestre-, porte-, elementi di facciate.

1. Tagliare il profilato

Al fine di ottenere un buon taglio, è importante fissare bene e posizionare il profilato sulla troncatrice. Il profilo deve sempre essere posizionato in modo tale che i lati del profilato vengano premuti accuratamente contro la troncatrice per mezzo di pistoni. Il profilato deve essere fissato in modo tale che non abbia la tendenza di spostarsi o stortarsi.

esempio: Tipico serraggio di un profilato con aletta:



2. Punzonatura, fresatura o foratura

Dopo che i profilati sono statilavorati, le superfici devono essere sbavate, sgrassate e trattate con un prodotto anti-corrosione.

In aggiunta, l'attenzione deve essere prestata durante il trattamento, che nessun danno si verifichi sulla superficie. Questa è la causa della corrosione filiforme.

Tipici esempi di questi processi sono:

- Forature, fresature o forature per drenaggio e ventilazione
- Fresature o punzonature per assemblaggio profilati
- Forature per il fissaggio dei profilati
- ...

3. Accoppiamenti profilati

I tagli e i cavallotti devono essere sigillati a fondo con sigillante neutro approvato, in modo tale che i requisiti di tenuta all'aria e impermeabilità siano soddisfatti.

Imponendo i necessari requisiti per l'accoppiamento del profilato, viene fatta una distinzione tra:

- Profilati pre-assemblati finestre/porte/costruzioni in alluminio:

Le sigillature sui lati visibili non possono essere più grandi di 0,3 millimetri. La disuguaglianza di connessione profilati misurata sulle superficie di costruzione presso le giunzioni e connessioni a T, non può essere superiore alla tolleranza di estrusione come descritto nella norma EN 12020.

Come conseguenza della irregolarità (concavità e convessità) dei profilati, non è sempre possibile soddisfare i requisiti dovuti alla disuguaglianza della connessione profilati; perché questa differenza non può essere superiore a 0,5 mm.

Appartenenti a questo gruppo sono i profilati per la finitura delle finestre: profilati montanti, finitura stipite, adattatori, davanzali su telaio, ... Questi hanno bisogno di essere sempre sigillati per tenuta all'aria e all'acqua con un sigillante neutro ed elastico. Per alcuni dei sigillanti specifici, vedere i dettagli rilevanti nel catalogo.

- Connessioni profilati per parti collegate durante la costruzione.

Questi trattengono parti in vetro, parti pannellate e parti di costruzione collegate durante la costruzione. Con questi, gli interspazi e connessioni tra profilati dovranno essere scelti in modo tale che con differenze di temperatura il loro funzionamento sarà indisturbato.

I giunti tra travi orizzontali e verticali di facciate in vetro non possono essere più grande di 2mm, escluse le tolleranze profilati, giunti più grandi devono essere sigillati con un prodotti adeguati. Appartenenti a questo gruppo sono i profilati necessari al completamento dell'intera costruzione: montanti d'angolo, cornici collegate, profilati di rinforzo, come collegare i profili, Questi devono essere sempre sigillato per tenuta aria e per evitare infiltrazioni d'acqua.

4. Drenaggio

È importante evitare il più possibile infiltrazioni di acqua piovana nelle scanalature. L'acqua trasporta lo sporco, che andranno a formare depositi nelle cavità. Sporczia e acqua mettono a dura prova guarnizioni e trattamenti superficiali.

Misure per prevenire l'infiltrazione di acqua piovana:

- Tagli e connessioni di travi verticali su travi orizzontali, nonché la reciproca connessione con la vetratura - e le gomme di tenuta, necessitano avere un appropriato, dove necessario elastico, sigillante per evitare la penetrazione di acqua piovana.
- Per evitare che l'acqua piovana venga ritenuta nelle finestre, la pressione dell'aria nelle cavità deve essere uguale alla pressione atmosferica esterna, cosiddetta equalizzazione della pressione. Pertanto, le cavità devono avere aperture che vanno rifinite il più possibile ermeticamente verso l'interno. Per ulteriori dettagli, vedi più avanti nel catalogo.
- Utilizzare gli schemi per scarico acqua prescritti al fine di garantire un buon drenaggio.
- Rispettare la distanza regolare tra i fori di drenaggio. Per dettagli sul posizionamento, vedere più avanti nel catalogo.
- Lo scarico di drenaggio tra il telaio fisso e la parte apribile deve avere una distanza minima vicino agli angoli, con una superficie almeno di 50 mm² per apertura, sia se si tratta di fori tondi con un diametro minimo di 8 mm, o una asola da 5mm per 15mm. (la norma provvisoria prEN 12488 prevede 20 mm).
- Con finestre a ghigliottina, porte e facciate continue, il drenaggio può deviare dalla suddetta regola, seguendo, le regole imposte dal proprietario del sistema.

5. Guarnizioni

Le guarnizioni per vetratura, guarnizioni di tenuta all'acqua o all'aria e anche di tenuta acustica, sono normalmente prodotte in EPDM, TPE (gomme termoplastiche) o gomme siliconiche.

Le giunzioni di queste guarnizioni possono essere realizzate come segue:

- Incollaggio con adesivi compatibili.
- Telai vulcanizzati o angoli vulcanizzati.
- Guarnizioni continue.

Le guarnizioni dovranno essere installate prevedendo una lunghezza extra per ritiro: $\pm 1\%$.

6. Installazione della vetratura

Il buon funzionamento della finestra dipende dalla corretto inserimento della vetratura. Il posizionamento dipende dal tipo di finestra.

Vanno utilizzati i prescritti supporti vetro, che sono particolarmente adatti e su misura per le specifiche serie.

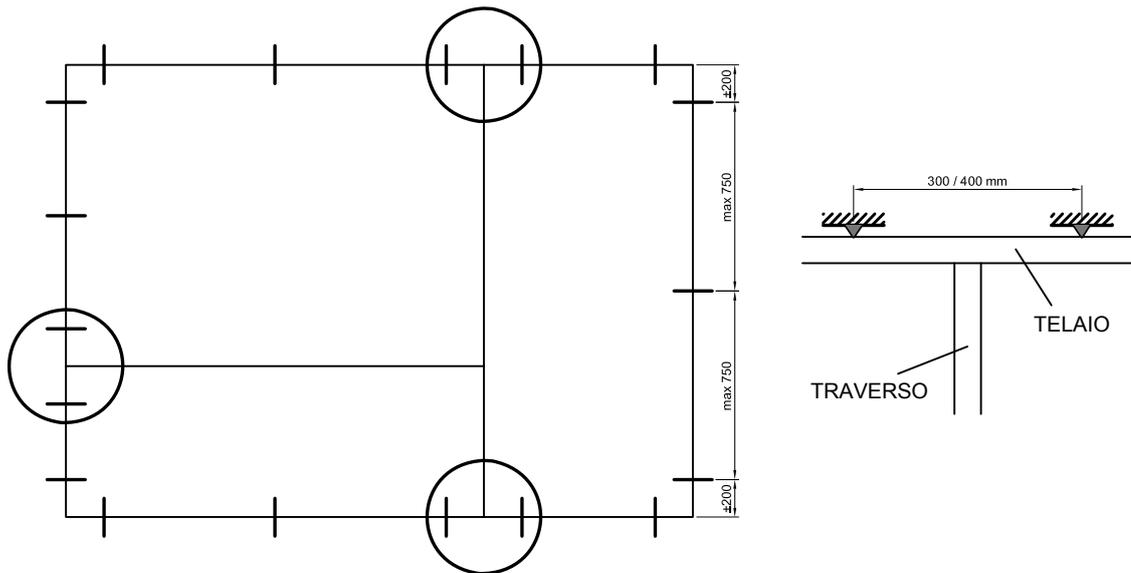
DIRETTIVE GENERALI

7. Fissaggio telai

Il fissaggio (staffe finestre, tappi, etc...) sono necessari in numero tale da resistere alla normale pressione dell'aria e qualsiasi altro carico possibile con un coefficiente di sicurezza 3, senza deformazioni permanenti.

Essi saranno posizionati ad una distanza massima di 750 mm tra di loro e circa a 200 mm di distanza da ogni angolo o trave del telaio fisso.

Con le presenza di parti apribili di finestre o porte, il fissaggio dovrà essere posizionato vicino al punto, raccomandato di apertura o chiusura..



8. Contatti con altri materiali.

Se due metalli con un diverso potenziale elettrochimico sono in contatto tra loro in un ambiente umido, il metallo meno prezioso si corrode. Con i seguenti materiali, in particolare, saranno da prendere alcune misure preventive per evitare la corrosione: acciaio, rame, zinco e piombo.

Alcuni tipi di legni, come rovere e noce, rilasciano un tipo di acido che può danneggiare il metallo, in particolare in un ambiente umido o se il legno non è completamente essiccato. E' raccomandato in questo caso di isolare il metallo.

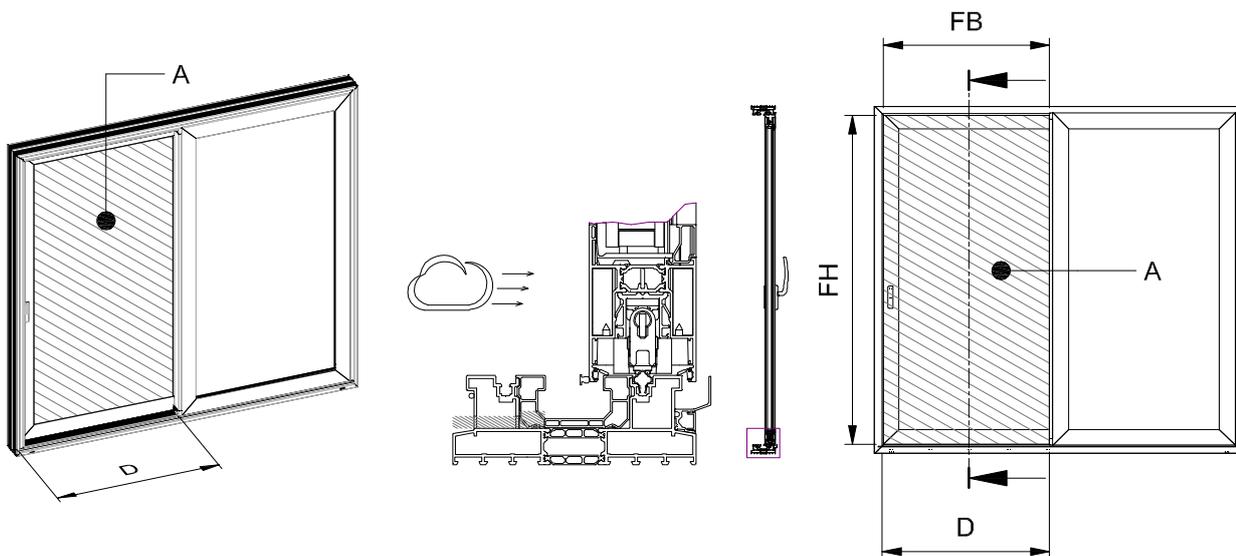
Gesso o cemento in aria umida o l'irrorazione di gesso o cemento hanno un impatto sulla superficie dell'alluminio, che potrà presentare segni bianchi dopo la pulizia, anche su superfici anodizzate. La protezione dell'alluminio durante la fase di costruzione sarà garantita applicando un foglio protettivo o un nastro con raccomandazione che l'adesivo non sia aggressivo. Per la finitura di intonaci interni ed esterni con la costruzione in alluminio, è consigliato l'uso di un profilato di limitazione della parte intonacata.

Altri materiali: si dovrebbe avere certezza che i materiali usati, che vengono a contatto con l'alluminio non producano reazioni chimiche con l'alluminio e con lo strato protettivo (trattamenti superficiali).

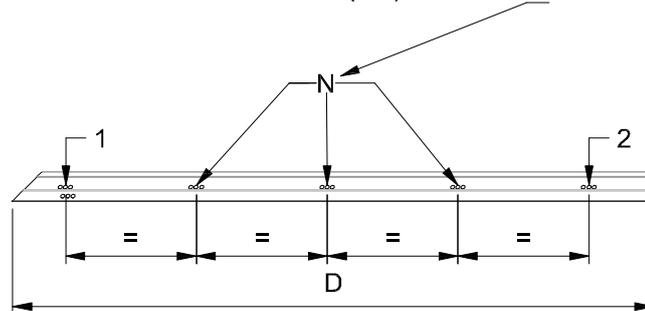
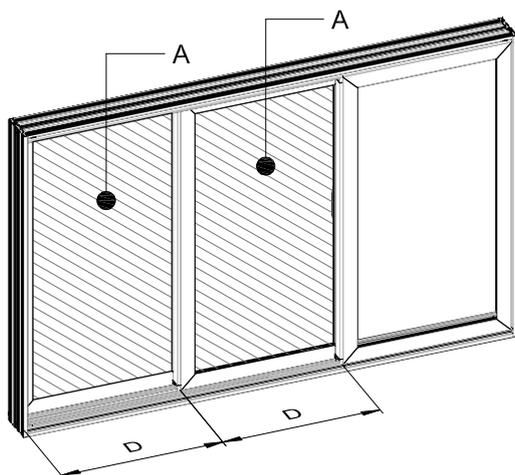
9. Profilati plastici

Tutti i profilati plastici deve essere conservati per almeno 24 ore a una temperatura ambiente di almeno + 15 ° C prima di essere utilizzati. Potrebbero esserci eventuali danni e rotture dovute alla fragilità del materiale se freddo.

DRENAGGIO "LATO BAGNATO"



$$A \text{ (m}^2\text{)} = FB \times FH = N$$



Glossario:

- D: lunghezza gocciolatoio esposto alle intemperie, necessità drenaggio
- A: superficie anta esposta alle intemperie in m²
- N: numero di scarichi aggiuntivi, ad intervallo equidistante tra scarichi 1 and 2. N = valore arrotondato di A

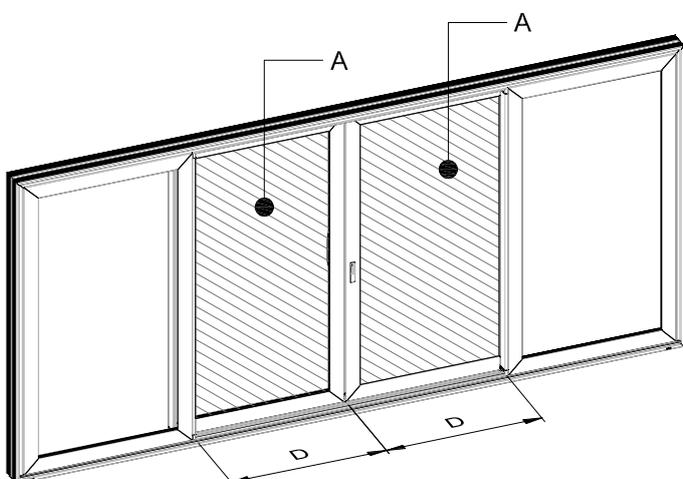
Esempio:

A = 2,4 m² → N = 2 → numero totale di scarichi per anta = 4

A = 2,6 m² → N = 3 → numero totale di scarichi per anta = 5

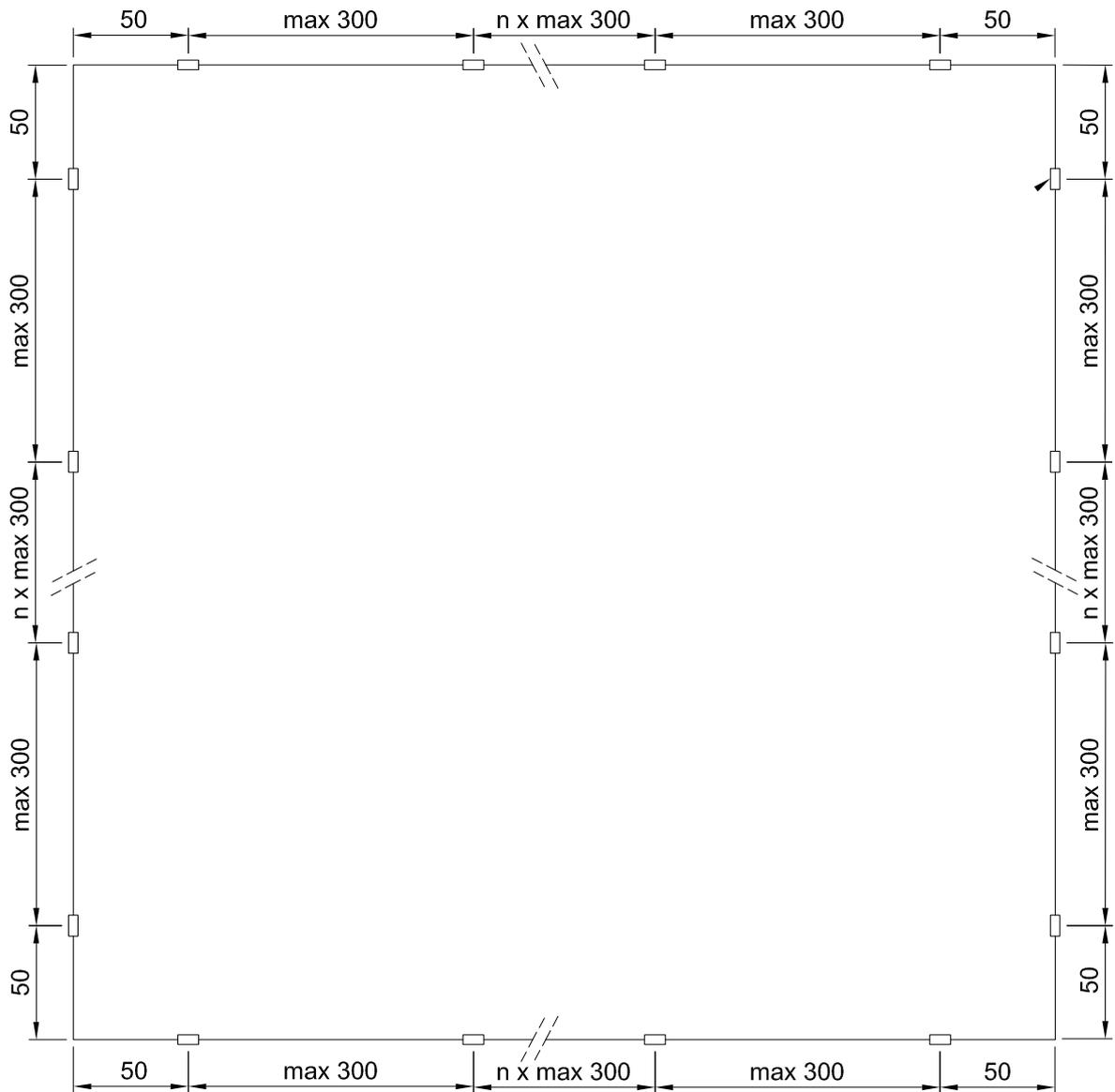
Vedi:

- J.2.10 J.2.15
- J.3.11 J.3.16
- J.4.11 J.4.16 J.4.18
- J.5.10 J.5.15 J.5.17
- J.5.10 J.5.17

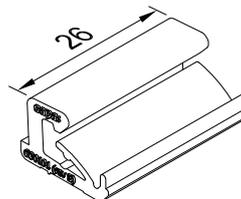


DIRETTIVE GENERALI

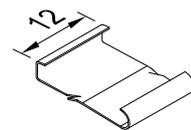
DIRETTIVE GENERALI PER VITI E CLIPS



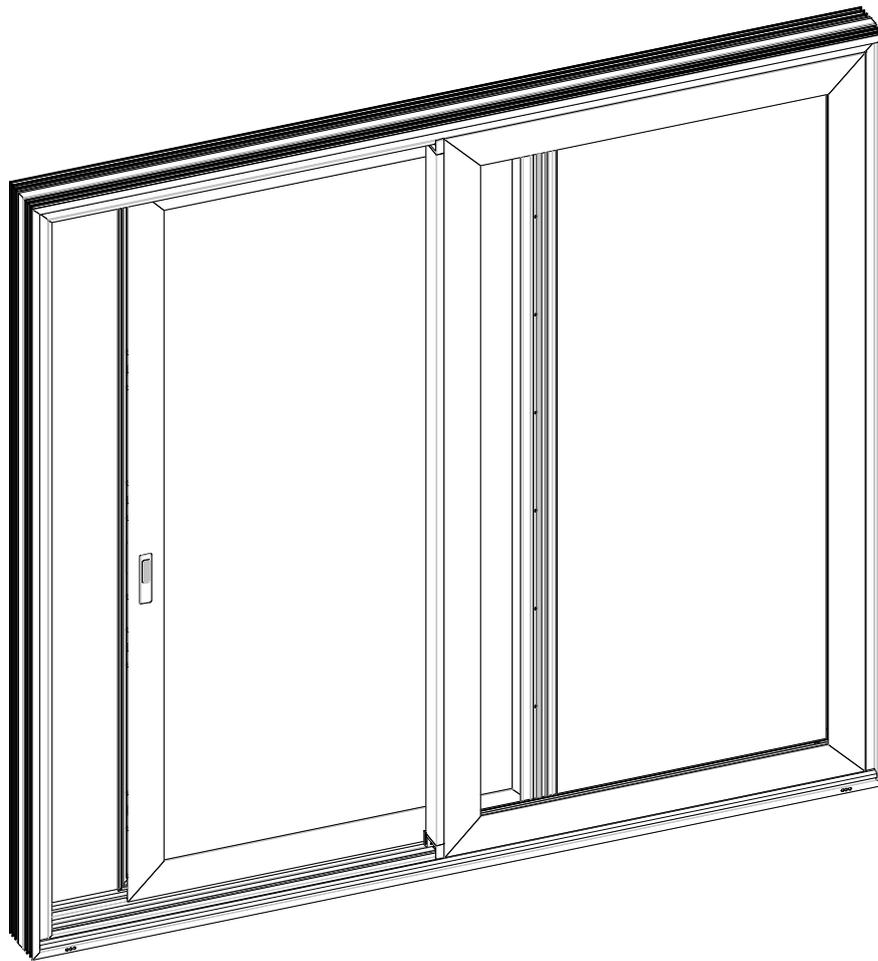
CO2279



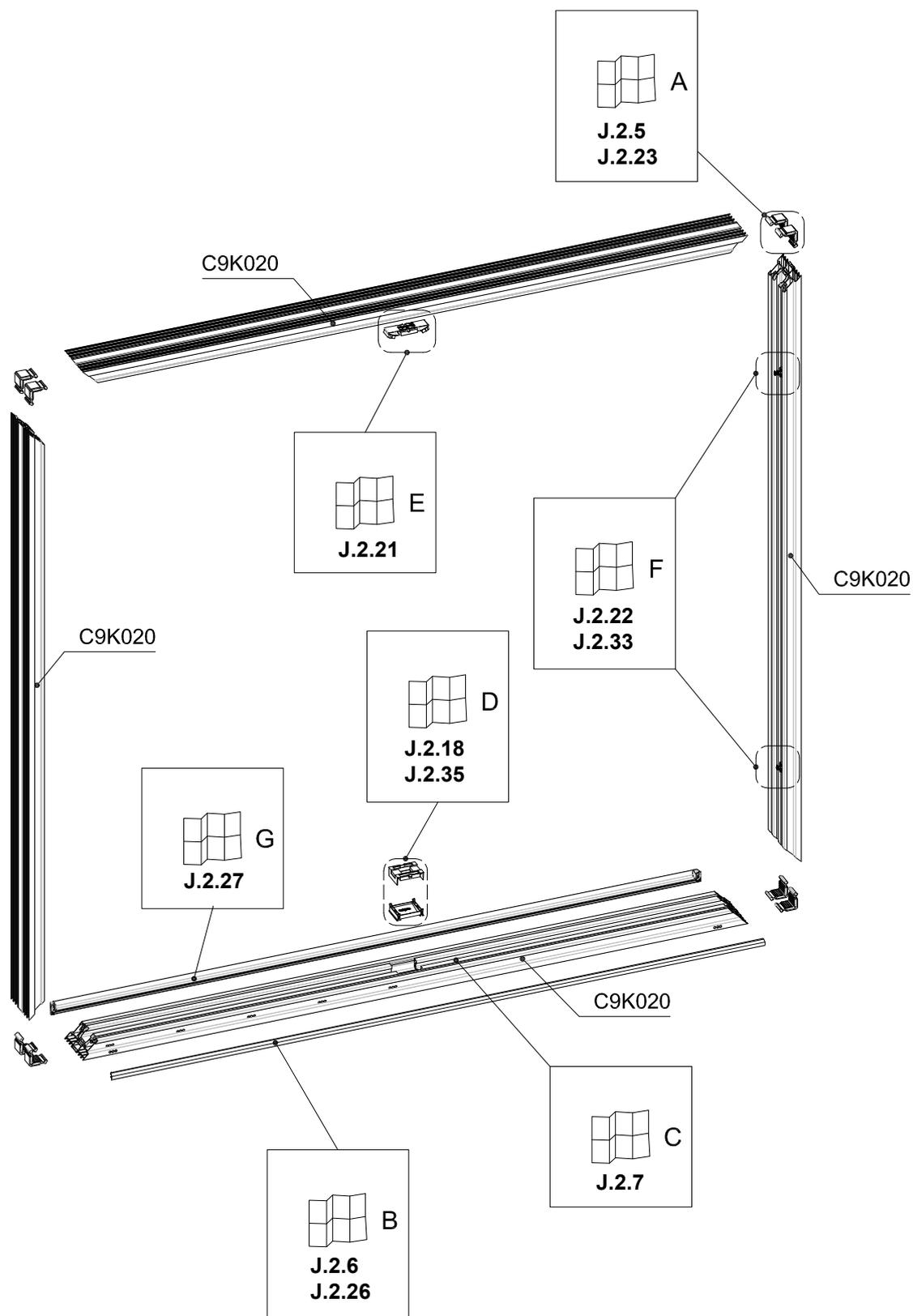
CO0101



71C030



PANORAMICA ASSEMBLAGGIO



CONTENUTO

| | |
|---------------------------------|-------|
| 2-binari telaio tagli 45° | J.2.1 |
| Panoramica assemblaggio | J.2.2 |
| Contenuto | J.2.3 |



| | |
|--|-------|
| Operazioni C9K020 + KU2028 e assemblaggio BT6006 | J.2.4 |
| Lavorazione squadrette per C9K020 | J.2.5 |



| | |
|---|--------|
| Operazioni C9K020 per cappetta di drenaggio | J.2.6 |
| C9K020 + KU2028 panoramica drenaggi | J.2.7 |
| C9K020 lavorazione drenaggio - J (optional 1/2) | J.2.8 |
| C9K020 lavorazione drenaggio - J (optional 2/2) | J.2.9 |
| C9K020 lavorazione drenaggio - H | J.2.10 |
| C9K020 lavorazione drenaggio - B | J.2.11 |
| C9K020 lavorazione drenaggio - A | J.2.12 |
| C9K020 lavorazione drenaggio - G | J.2.13 |
| C9K020 lavorazione drenaggio - M | J.2.14 |
| KU2028 lavorazione drenaggio - K1 | J.2.15 |
| KU2028 lavorazione drenaggio - K2 | J.2.16 |

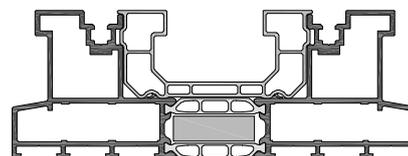
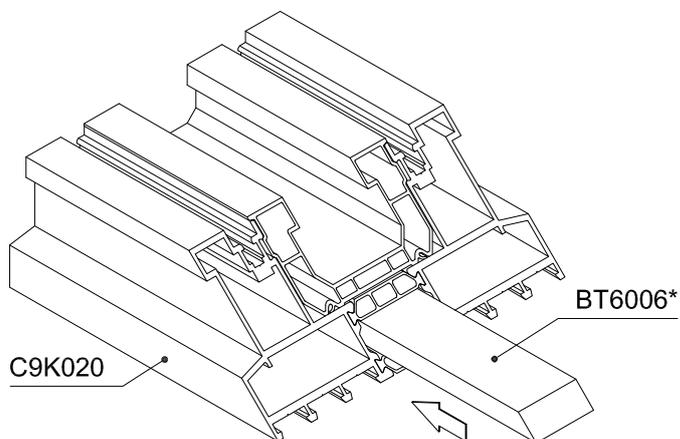
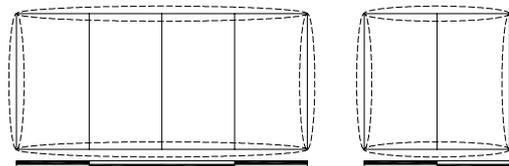
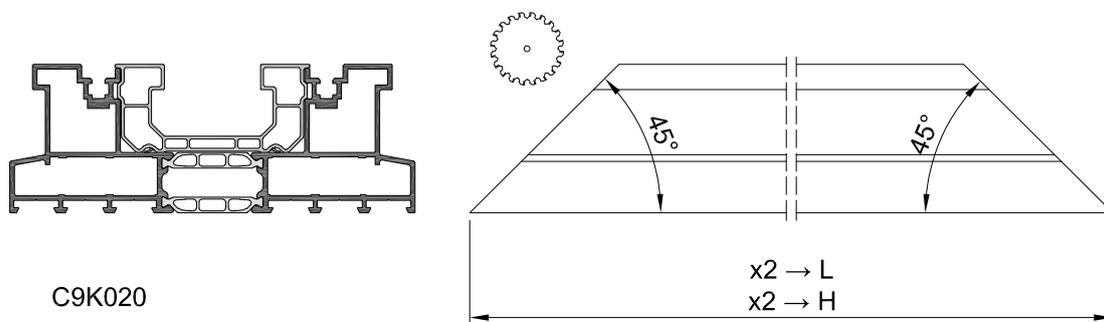
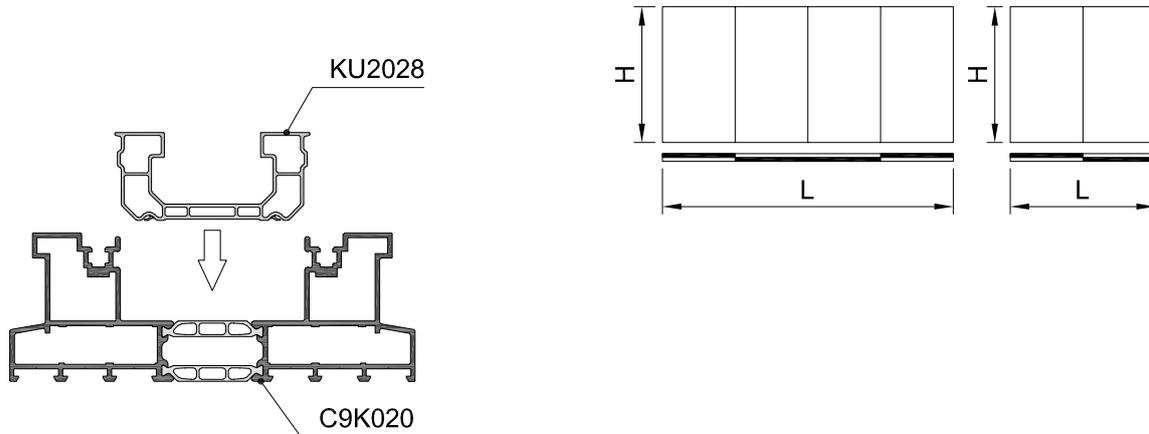


| | |
|---|--------|
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore C9K020 | J.2.17 |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K020 | J.2.18 |
| Sigillatura profilato inferiore C9K020 con VS9950 e VS9951 | J.2.20 |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K020 | J.2.21 |
| Assemblaggio punti di chiusura - ZB0034/ZB0035/ZB0036 | J.2.22 |



| | |
|--|--------|
| Assemblaggio profilati telai con squadrette | J.2.23 |
| Assemblaggio cappetta di drenaggio C9A003 | J.2.26 |
| Operazioni C9A004 + VS2404 | J.2.27 |
| Assemblaggio C9A004 + VS2404 | J.2.28 |
| Assemblaggio C9A004 + VS2404 - optional | J.2.29 |
| Assemblaggio CO1103 | J.2.30 |
| Assemblaggio CO1103 con 1 anta funzionale | J.2.31 |
| Assemblaggio CO1103 e ZB0038 per schema 4 ante | J.2.32 |
| Assemblaggio punti di chiusura | J.2.33 |
| Assemblaggio guarnizione di finitura RU9704 | J.2.34 |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K020 | J.2.35 |

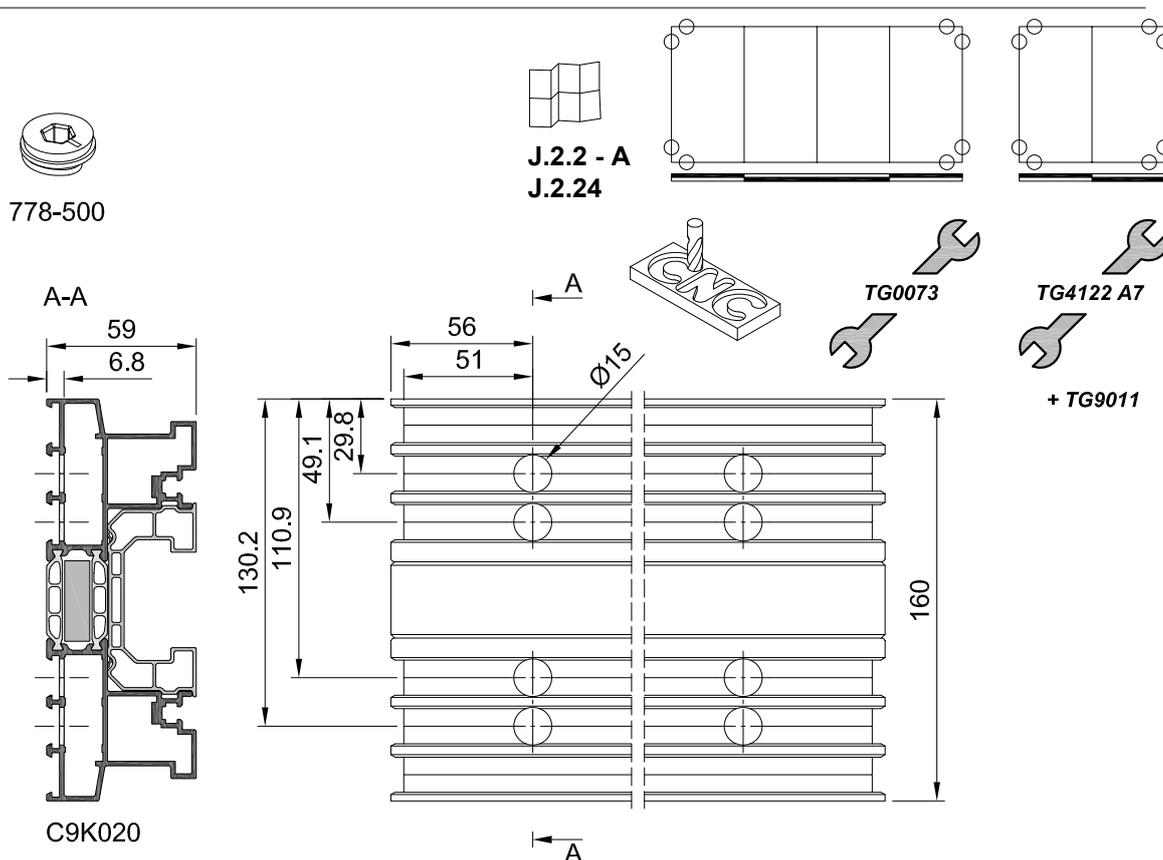
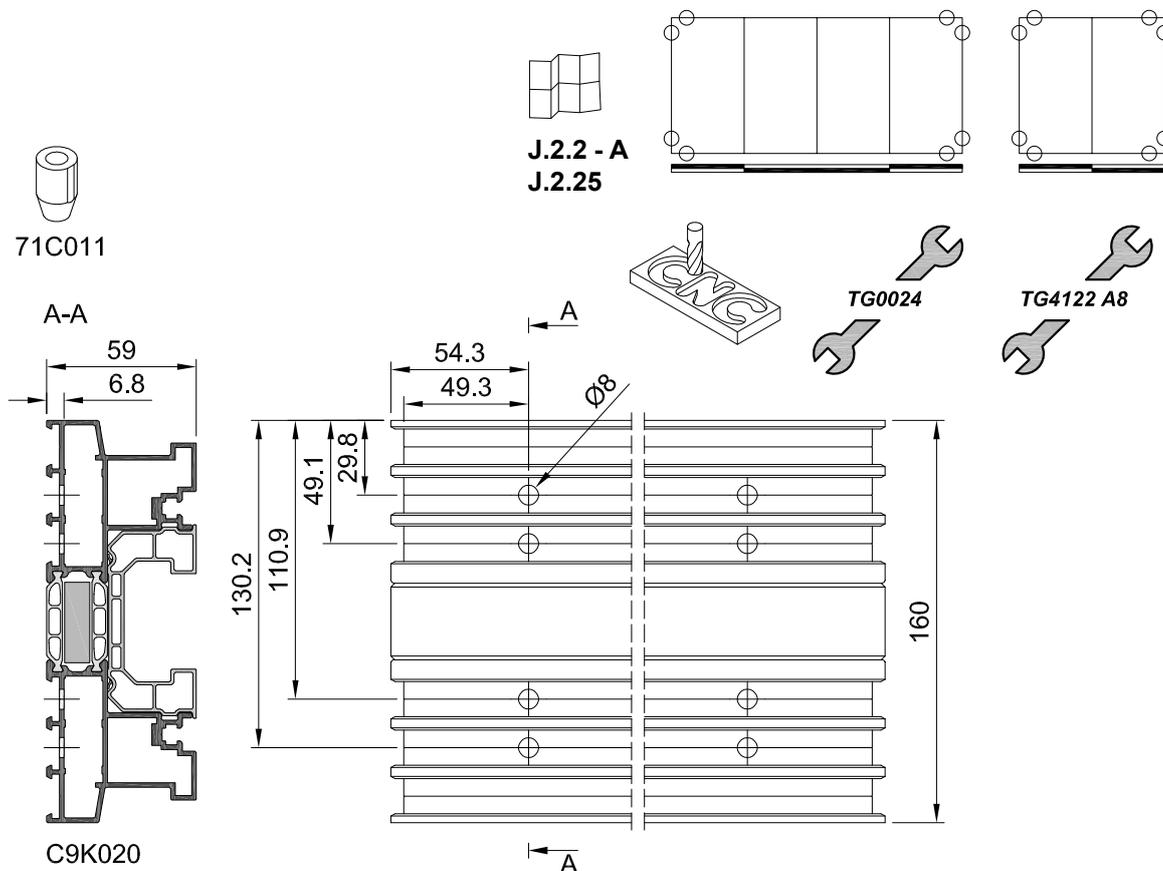
OPERAZIONI C9K020 + KU2028 E ASSEMBLAGGIO BT6006



| | BT6006 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |

2-BINARI TELAIO TAGLI 45°

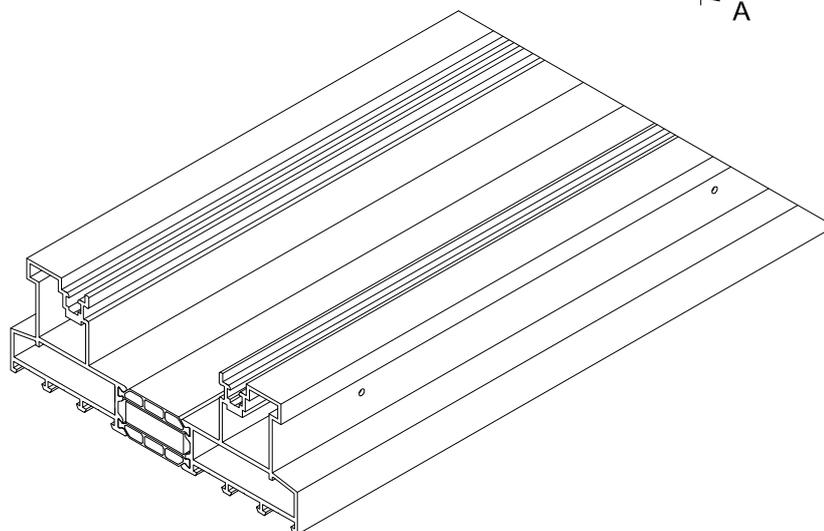
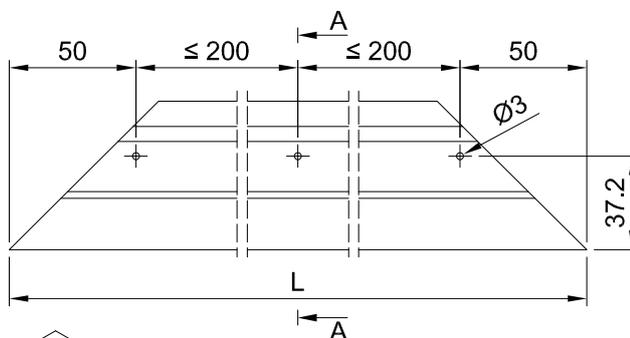
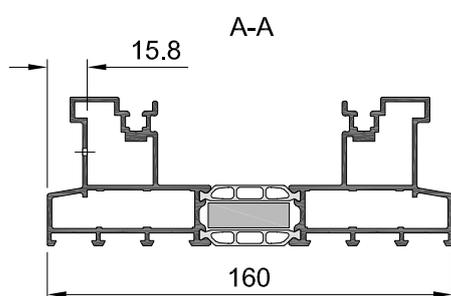
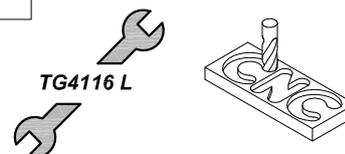
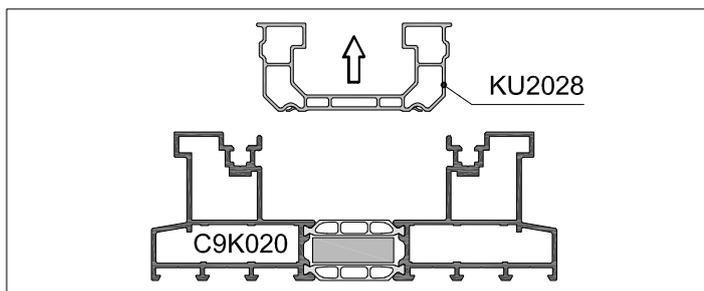
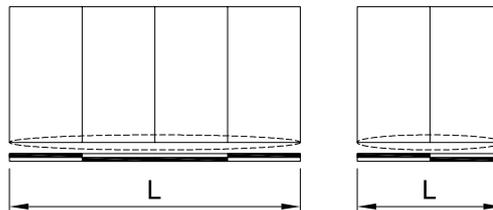
LAVORAZIONE SQUADRETTE PER C9K020



OPERAZIONI C9K020 PER CAPPETTA DI DRENAGGIO



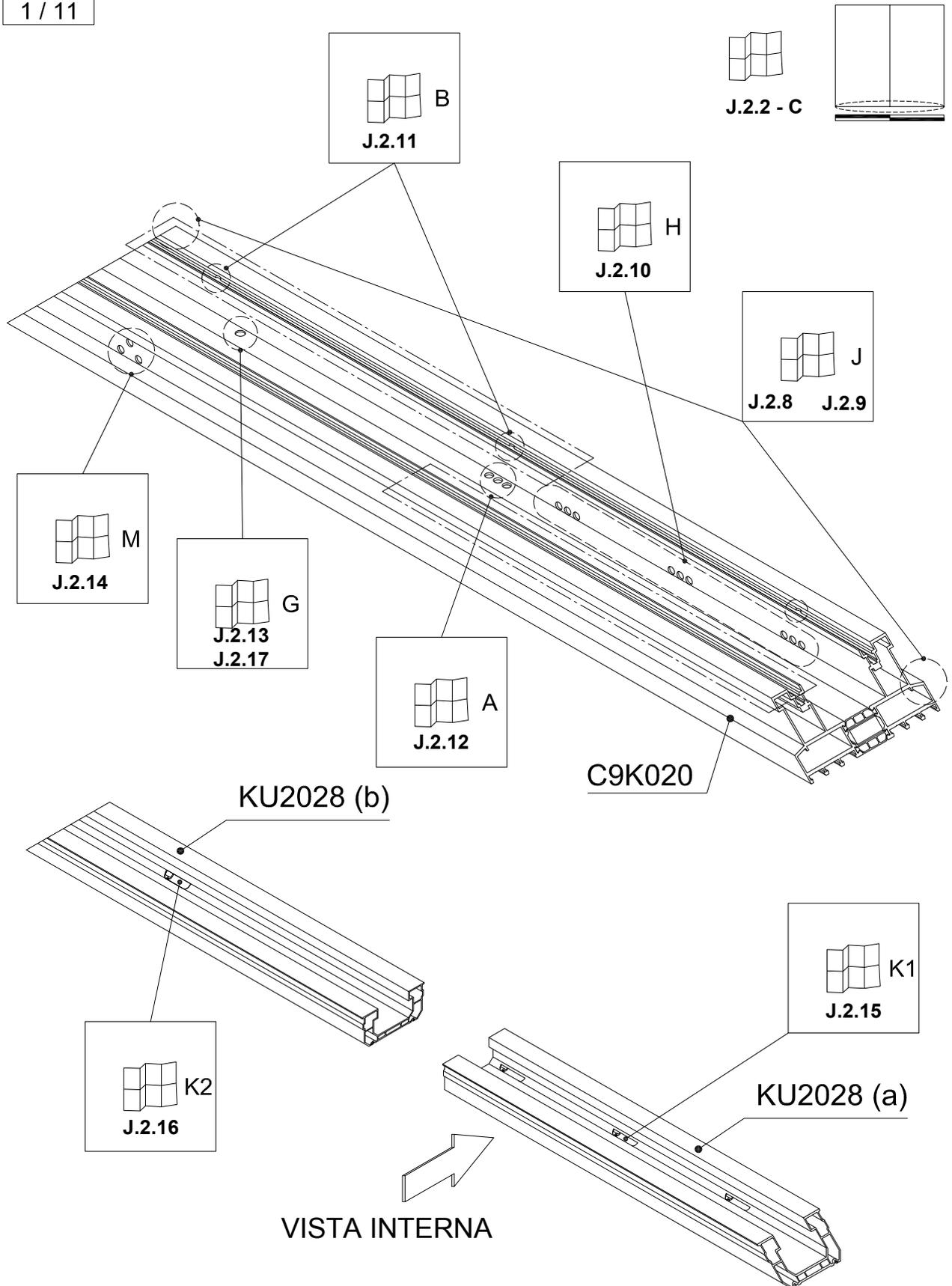
J.2.2 - B
J.2.26



2-BINARI TELAIO TAGLI 45°

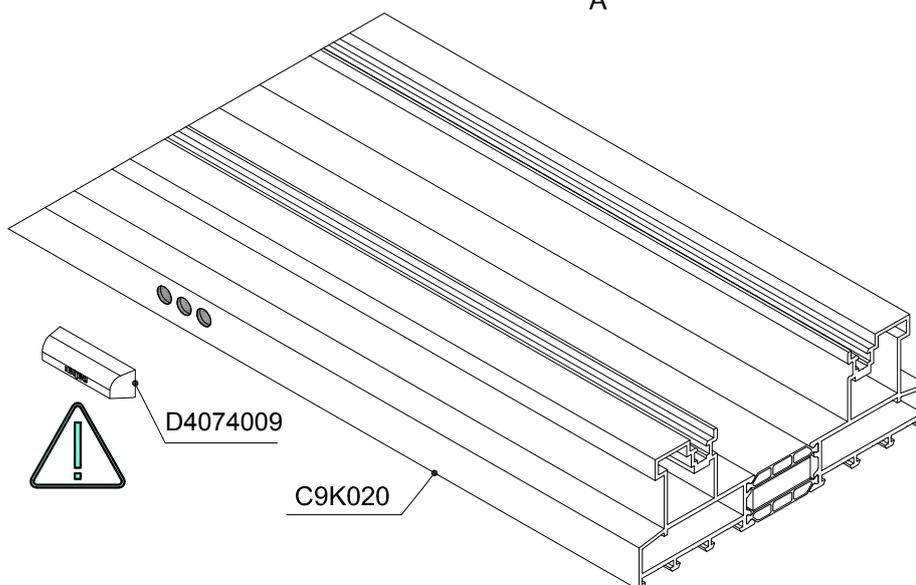
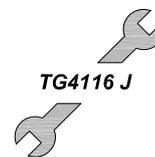
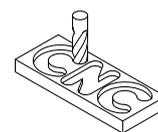
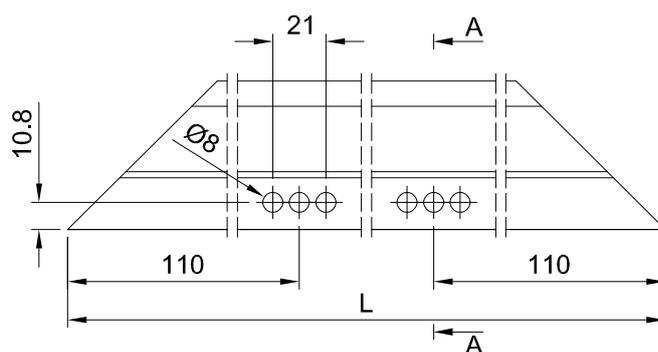
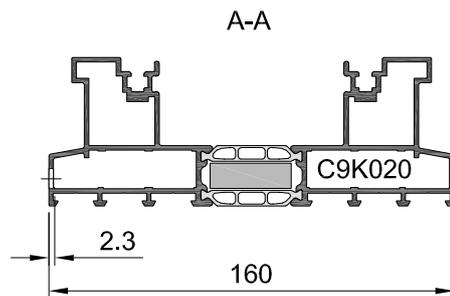
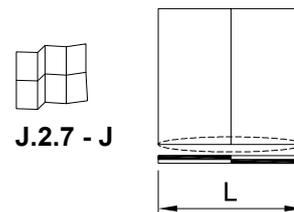
C9K020 + KU2028 PANORAMICA DRENAGGI

1 / 11



C9K020 LAVORAZIONE DRENAGGIO - J (OPTIONAL 1/2)

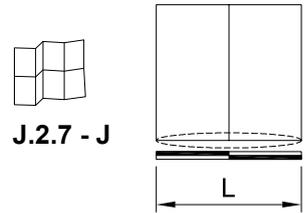
2 / 11



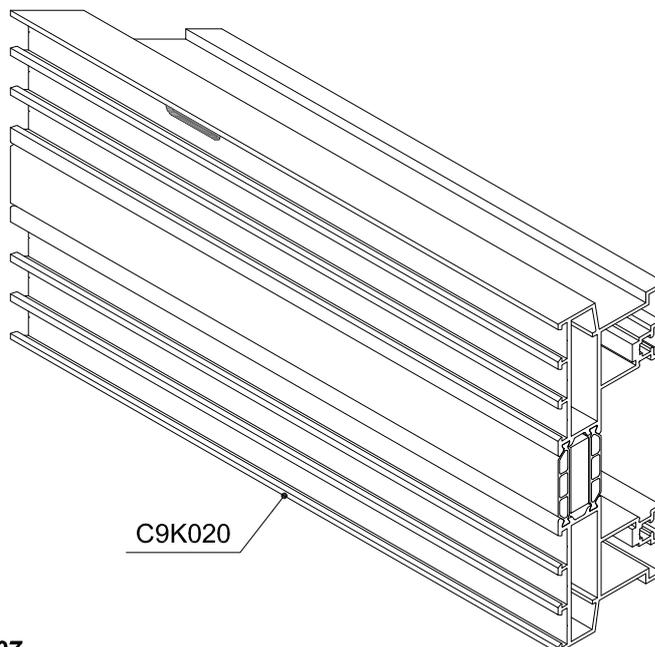
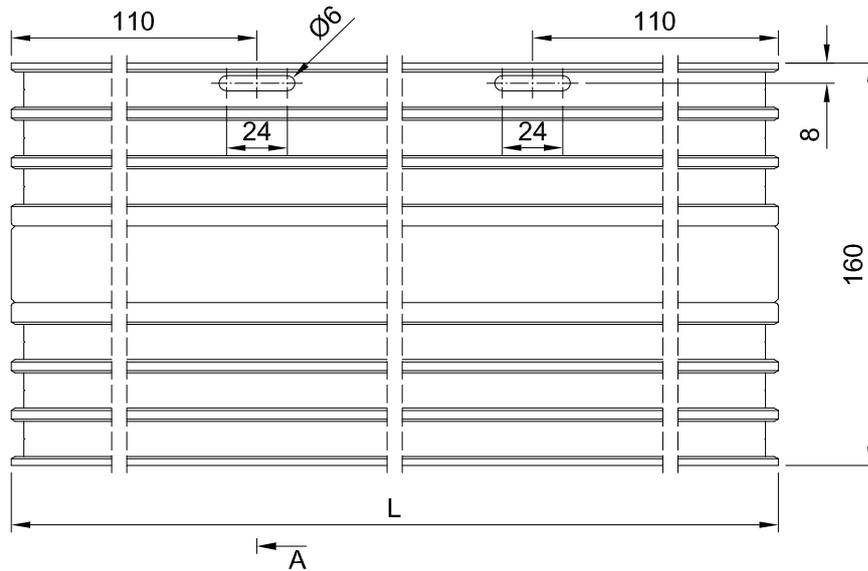
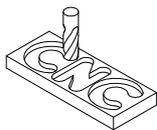
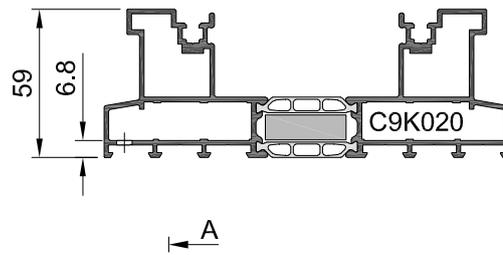
2-BINARI TELAIO TAGLI 45°

C9K020 LAVORAZIONE DRENAGGIO - J (OPTIONAL 2/2)

3 / 11



A-A

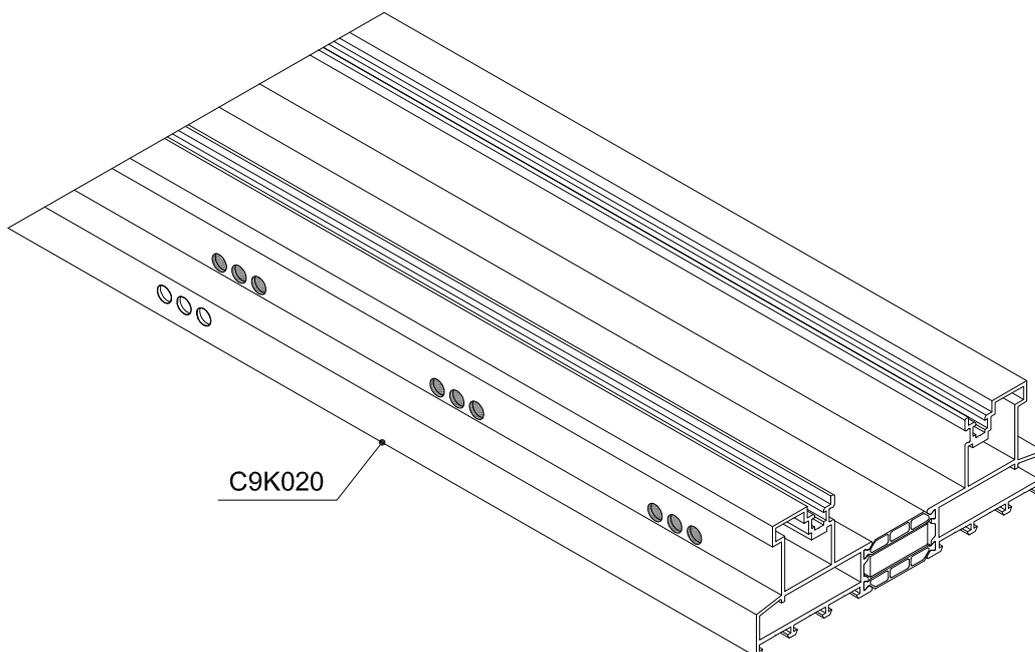
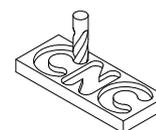
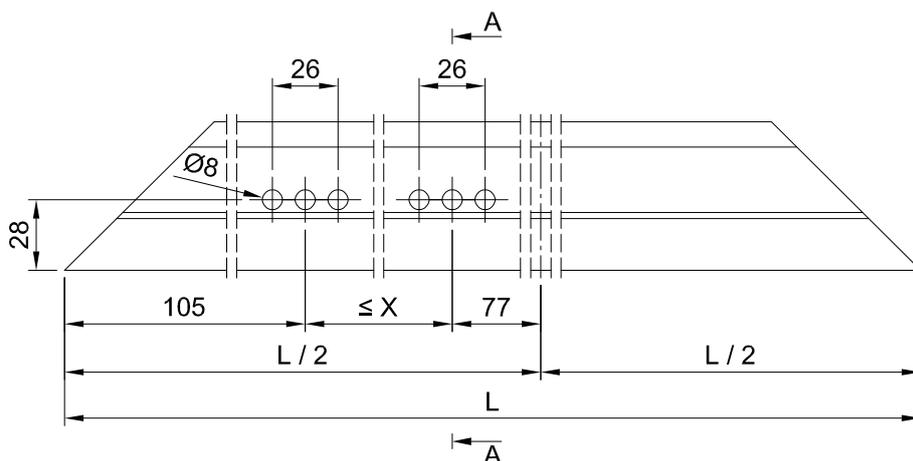
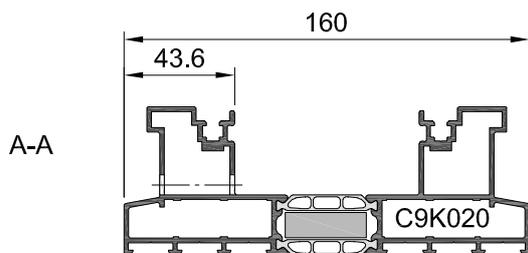
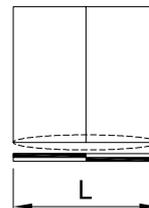


C9K020 LAVORAZIONE DRENAGGIO - H

4 / 11

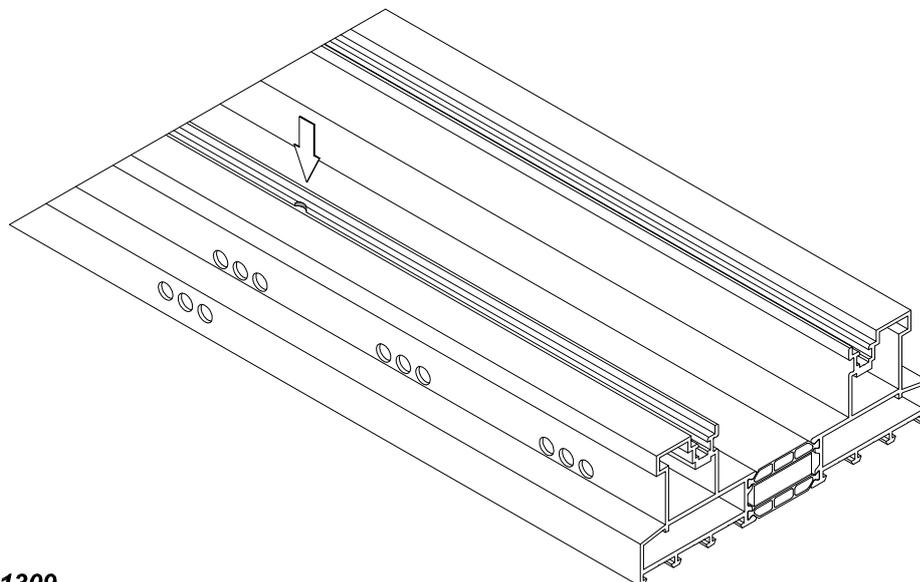
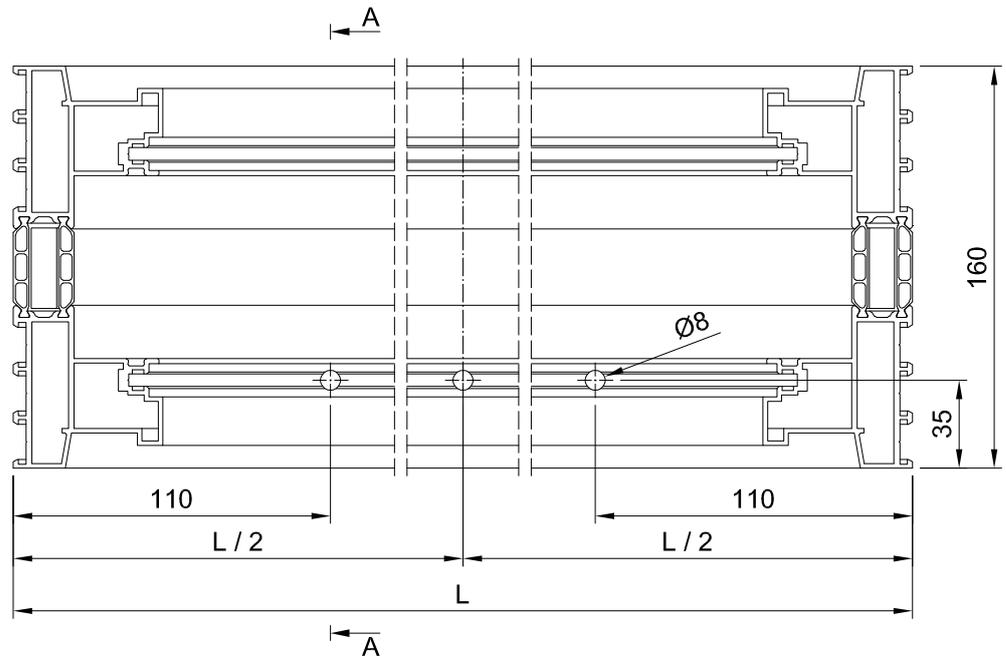
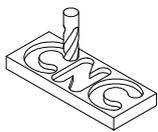
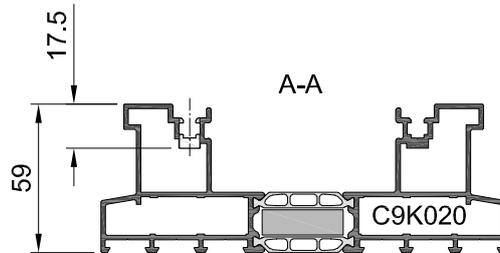
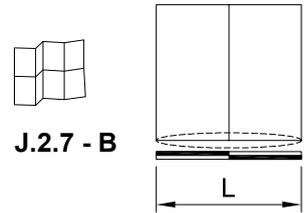


J.2.7 - H
 X → J.1.4



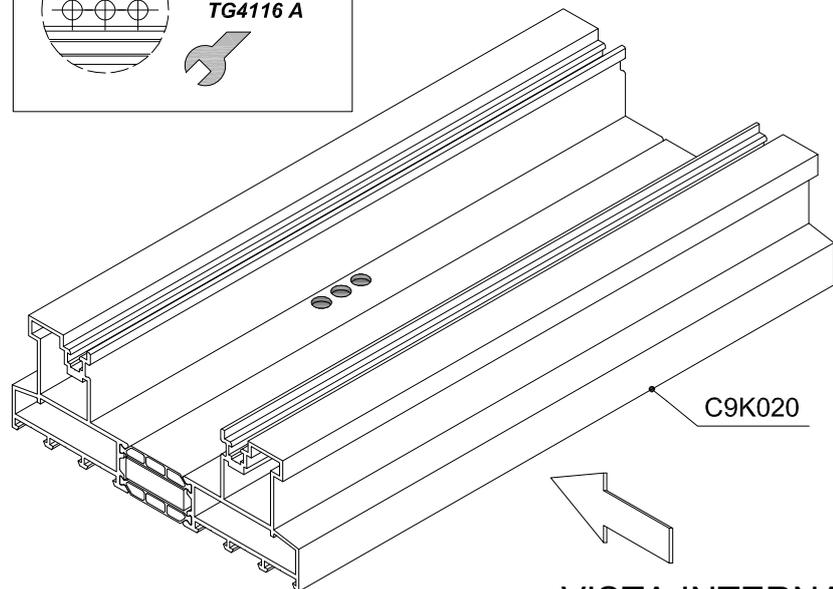
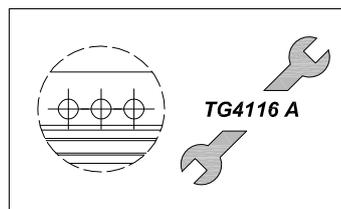
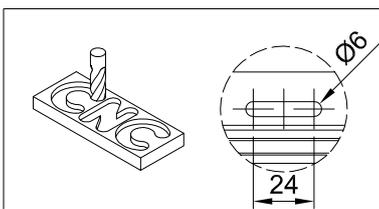
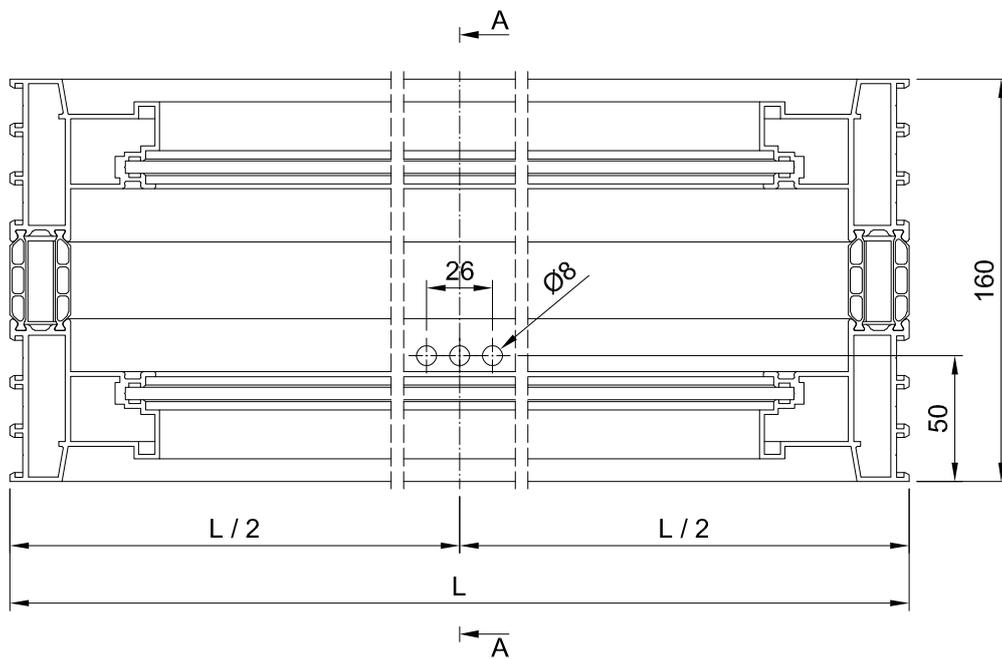
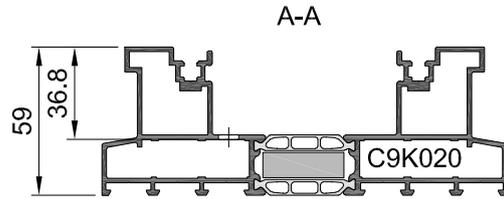
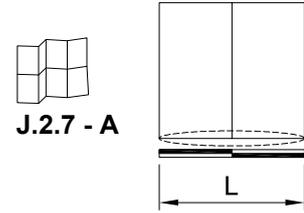
C9K020 LAVORAZIONE DRENAGGIO - B

5 / 11



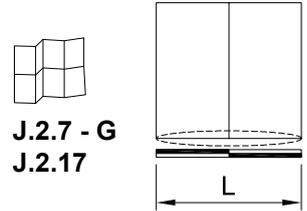
C9K020 LAVORAZIONE DRENAGGIO - A

6 / 11

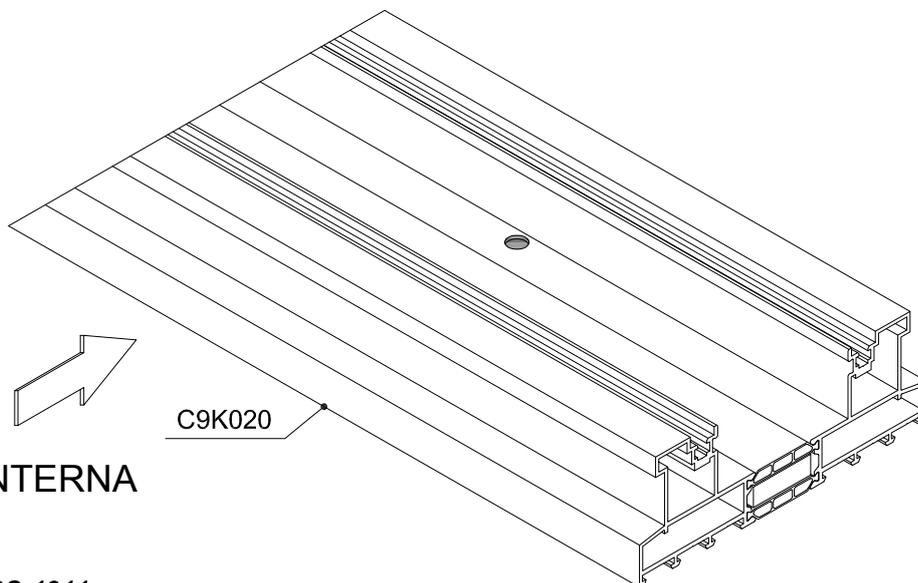
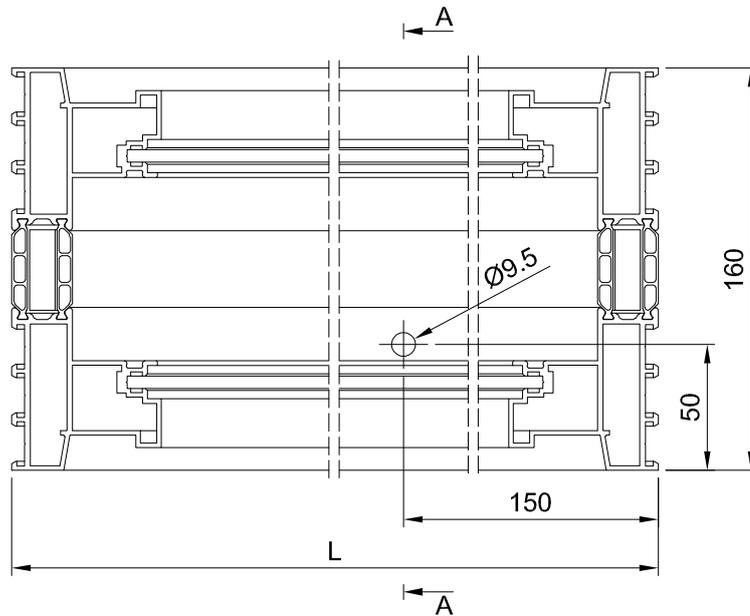
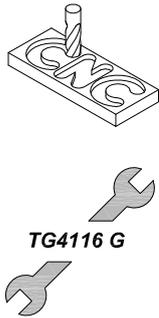
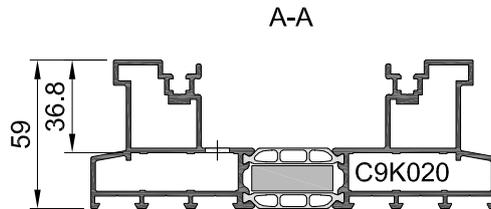


C9K020 LAVORAZIONE DRENAGGIO - G

7 / 11



J.2.7 - G
J.2.17

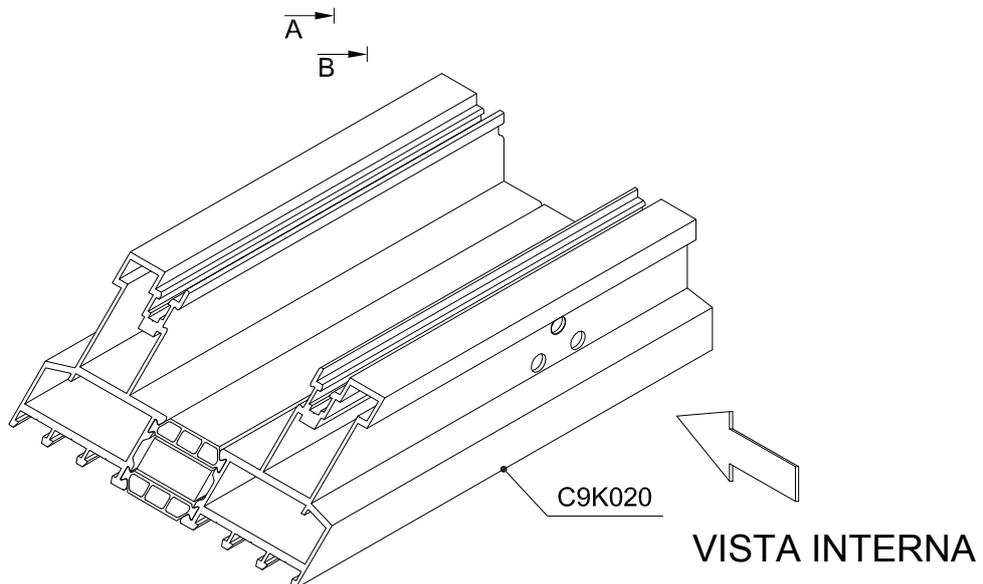
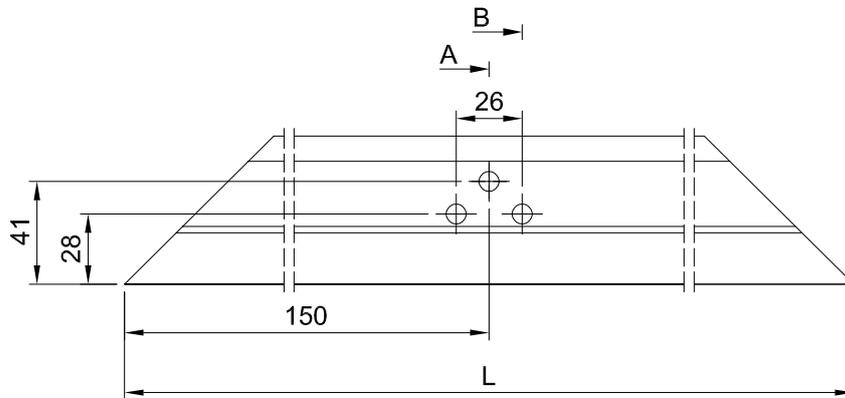
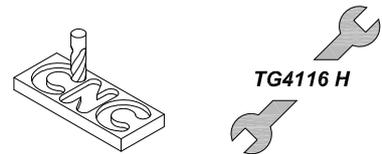
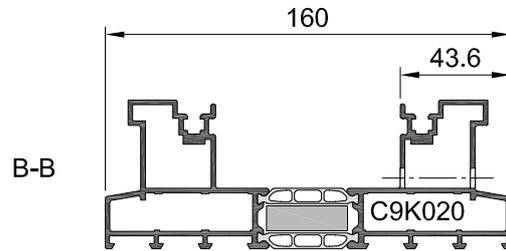
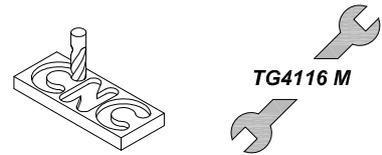
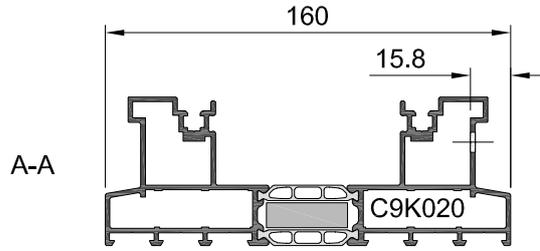
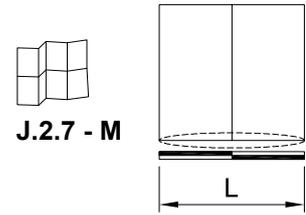


VISTA INTERNA

C160-ASS-1311

C9K020 LAVORAZIONE DRENAGGIO - M

8 / 11

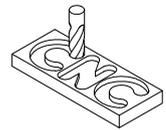
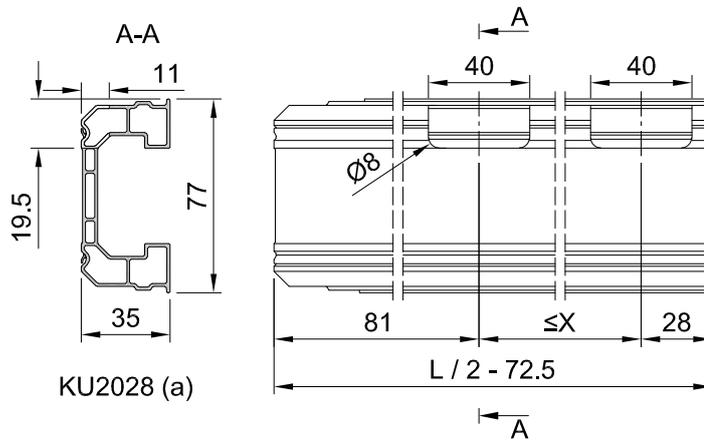
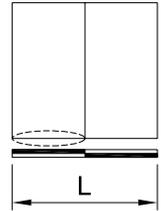


KU2028 LAVORAZIONE DRENAGGIO - K1

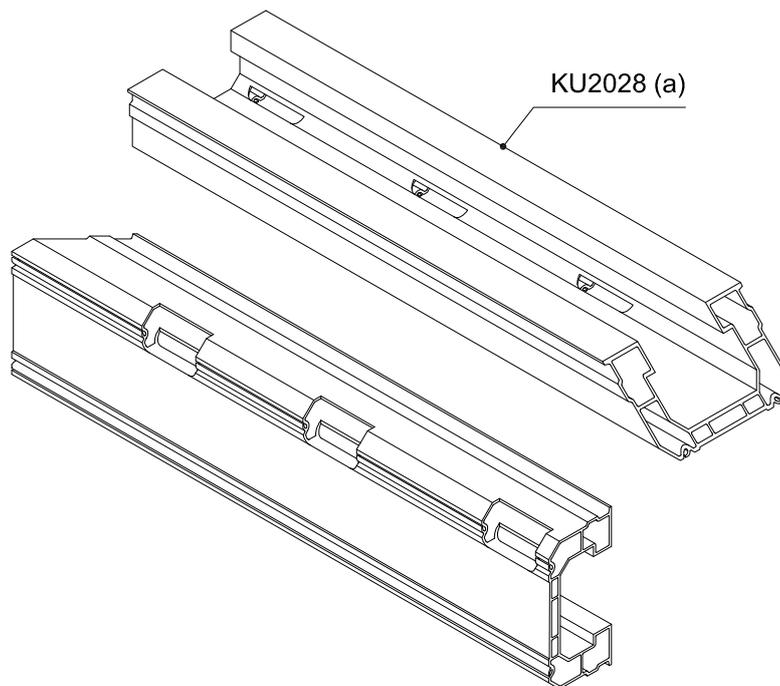
9 / 11



J.2.7 - K1
X → J.1.4

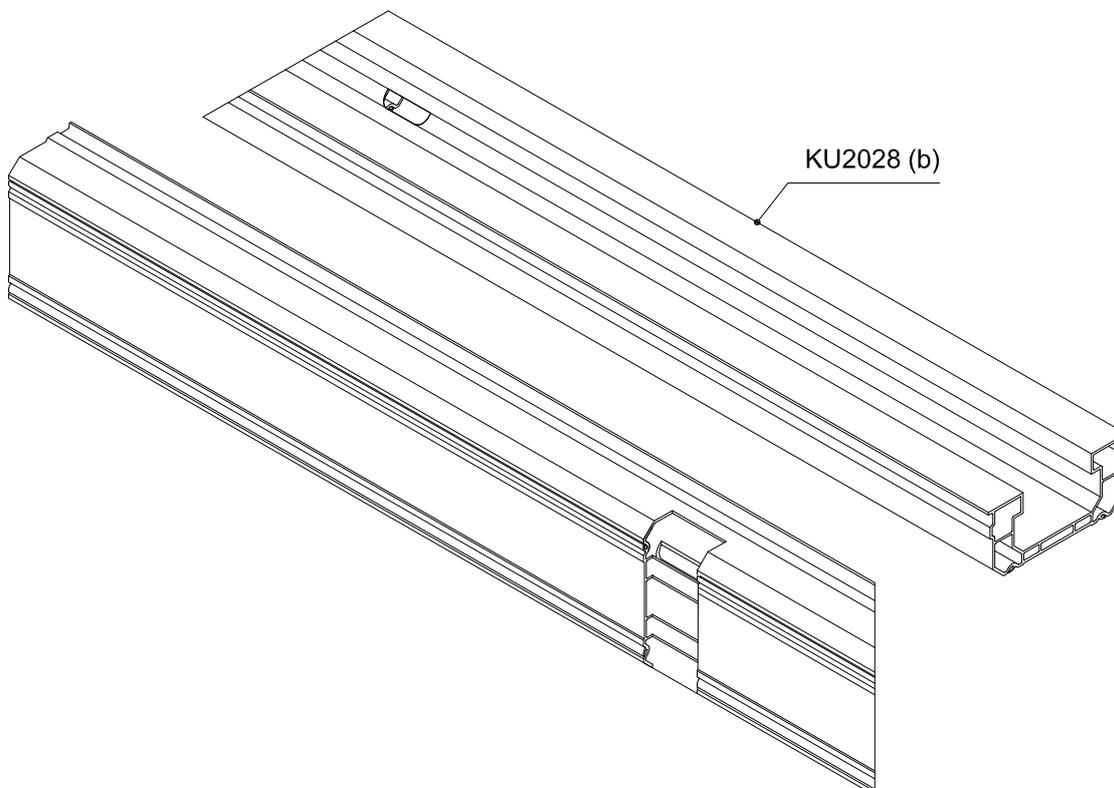
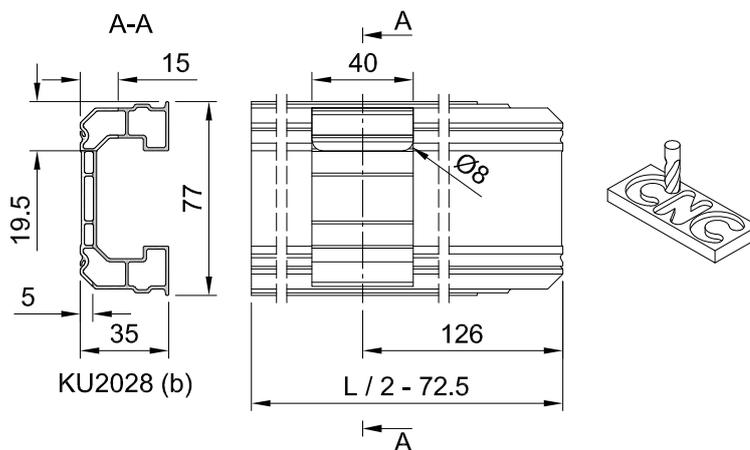
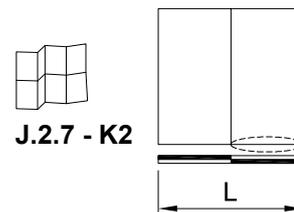


KU2028 (a)



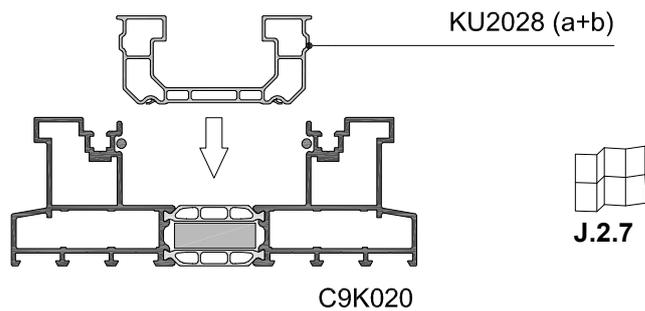
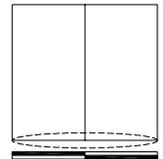
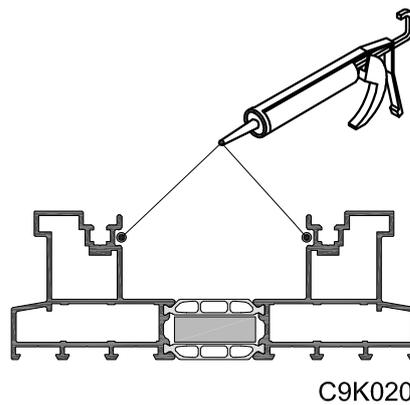
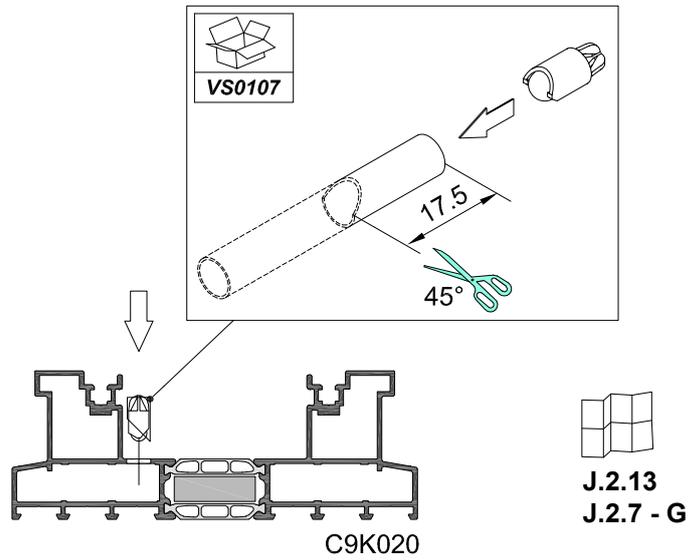
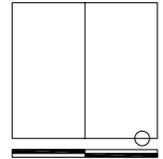
KU2028 LAVORAZIONE DRENAGGIO - K2

10 / 11



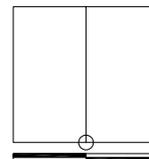
ASSEMBLAGGIO VS0107 E KU2028 SU C9K020 PROFILATO INFERIORE C9K020

11 / 11

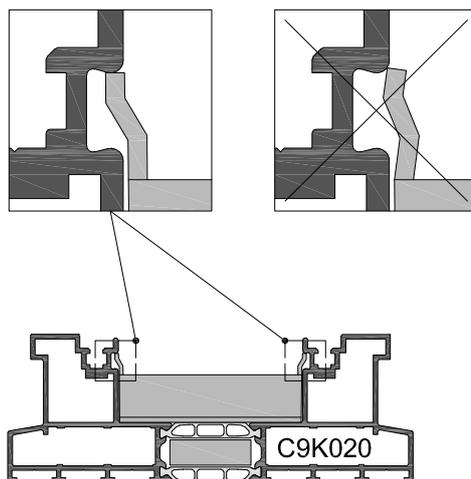
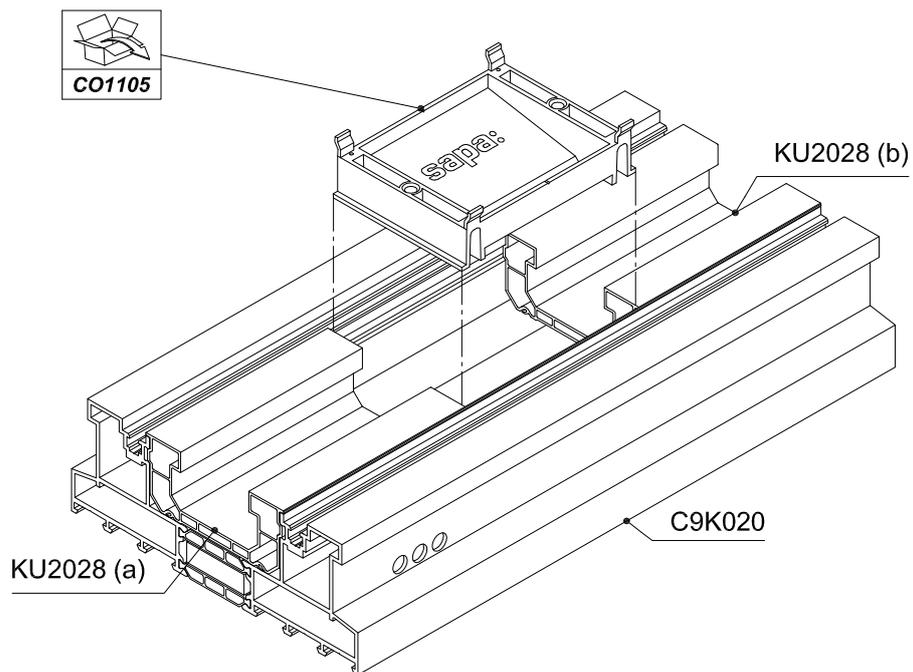


ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE C9K020

1 / 2



J.2.2 - D
J.2.35

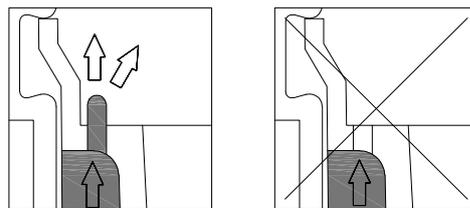
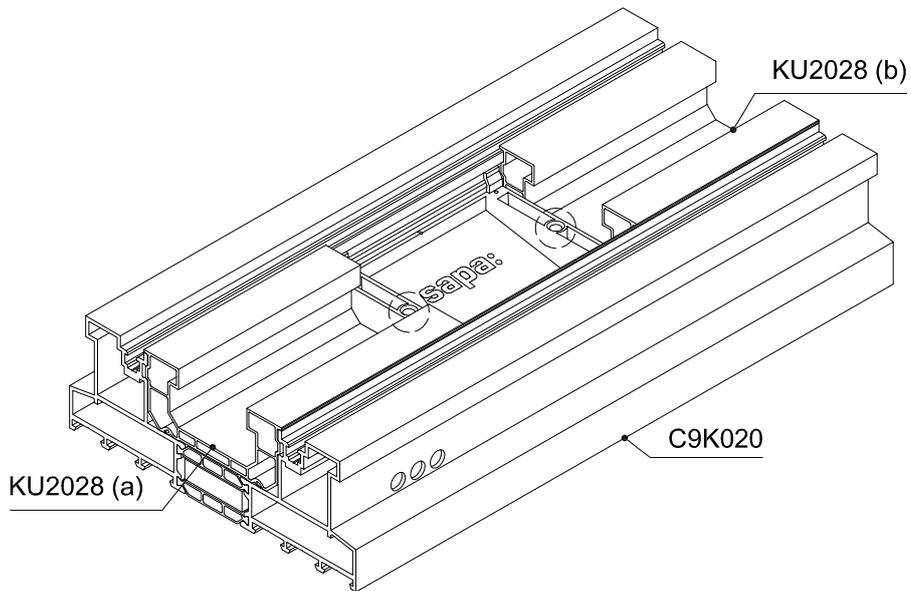
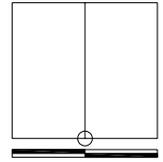


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K020

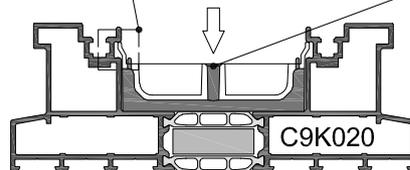
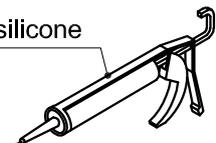
2 / 2



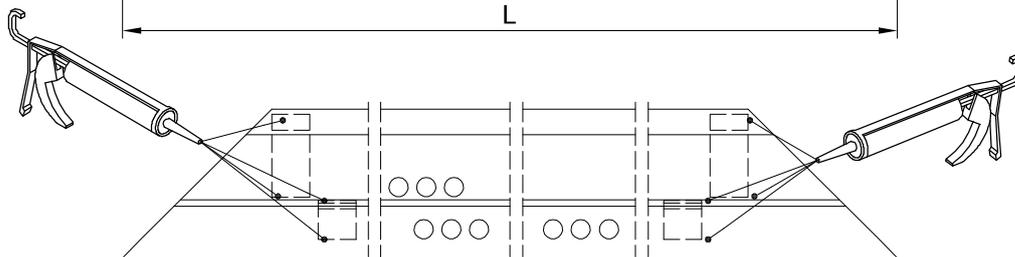
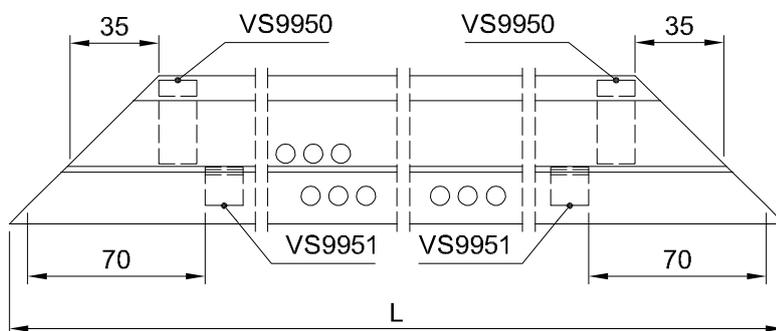
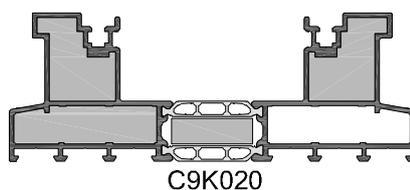
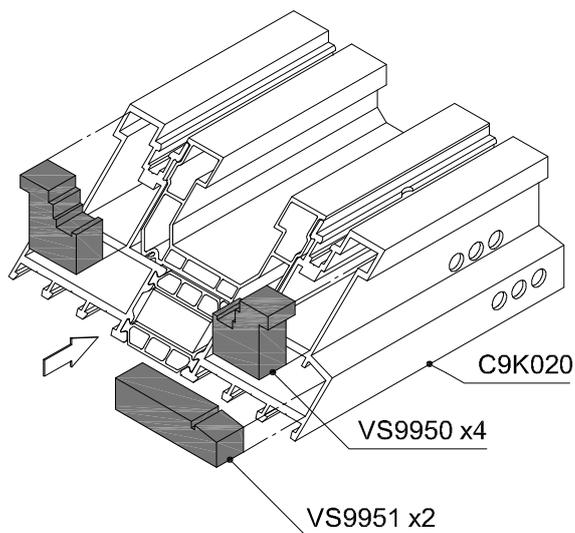
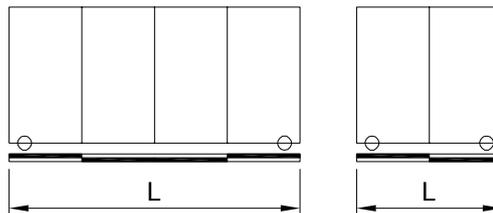
J.2.2 - D
J.2.35



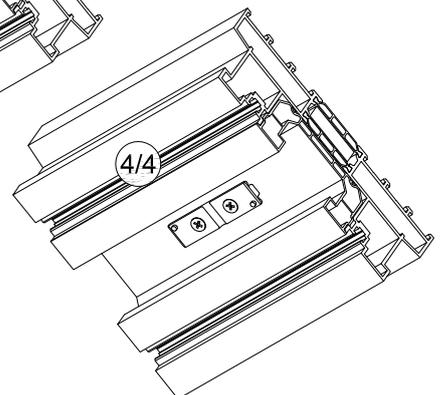
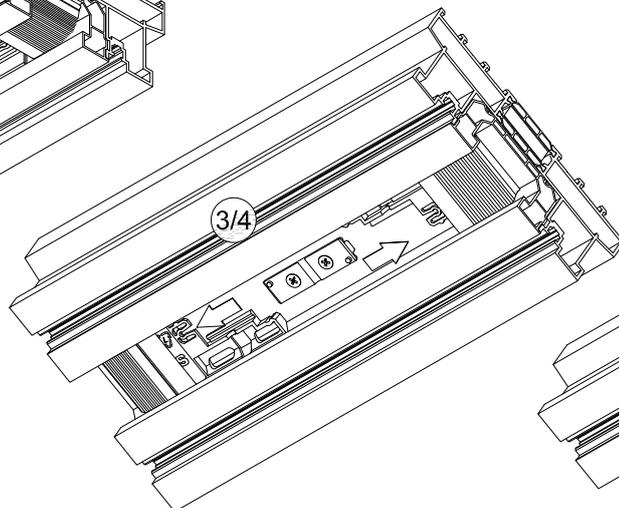
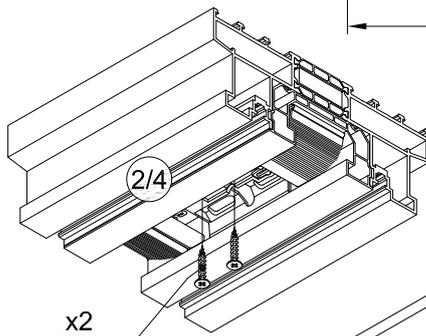
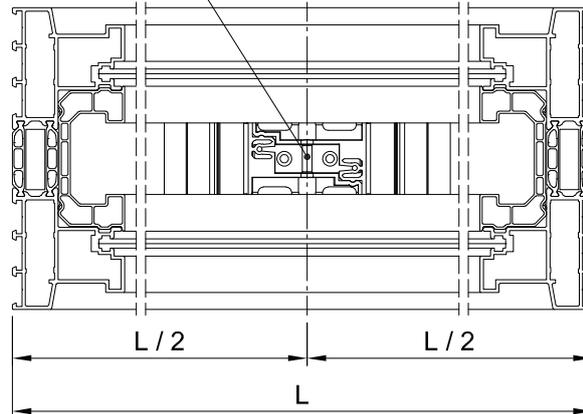
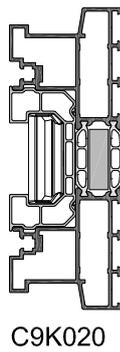
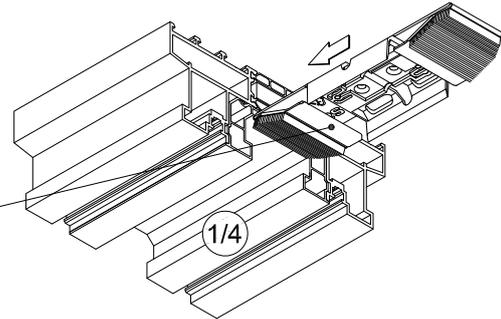
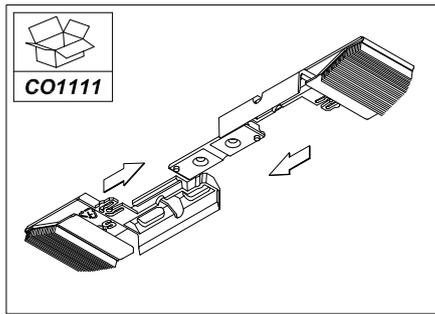
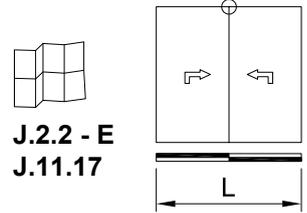
silicone



SIGILLATURA PROFILATO INFERIORE C9K020 CON VS9950 E VS9951

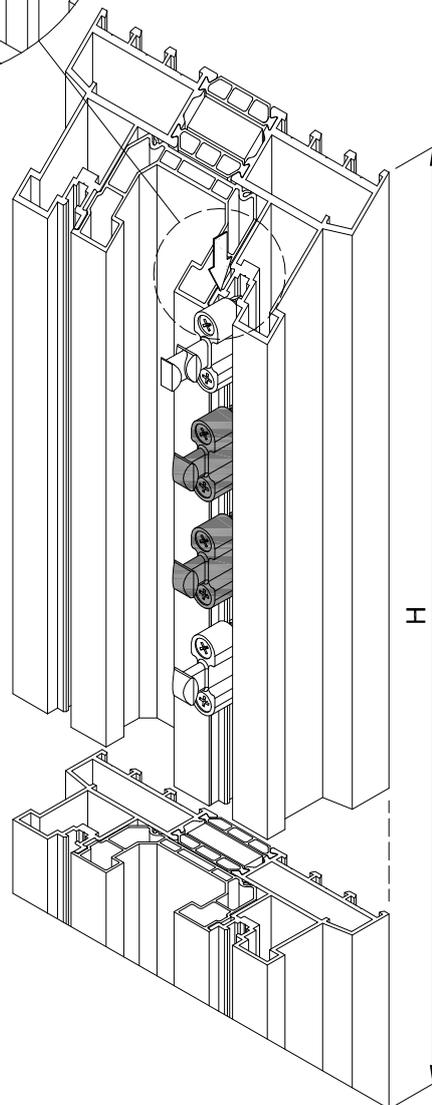
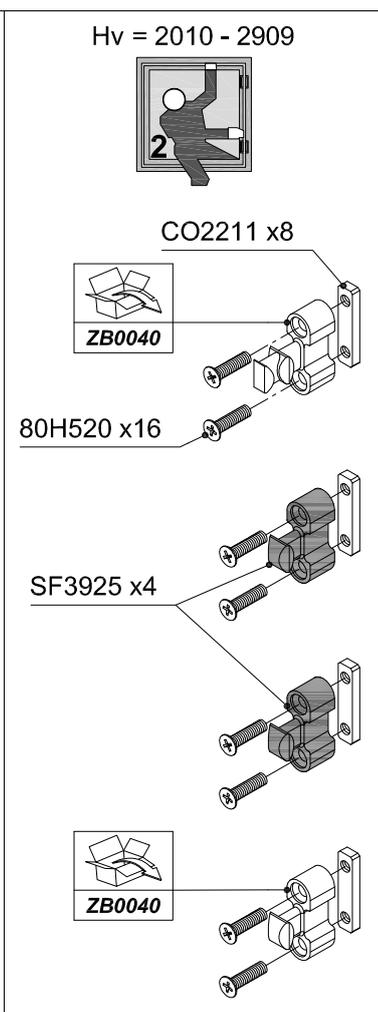
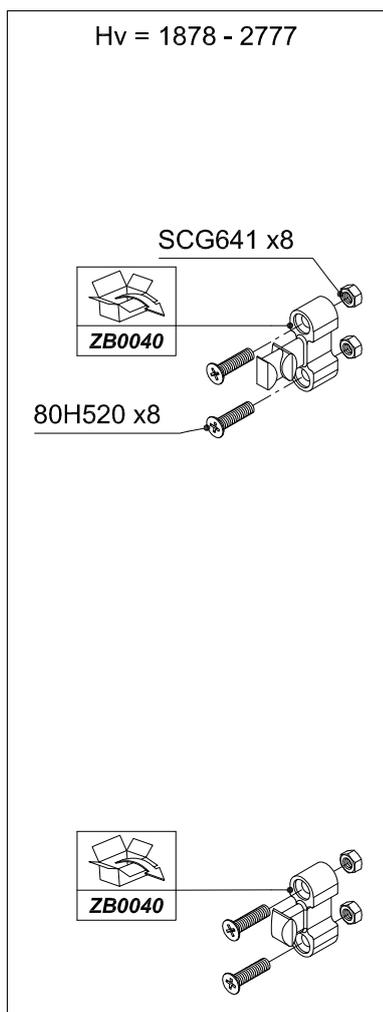
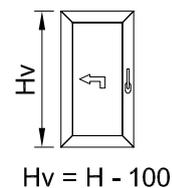
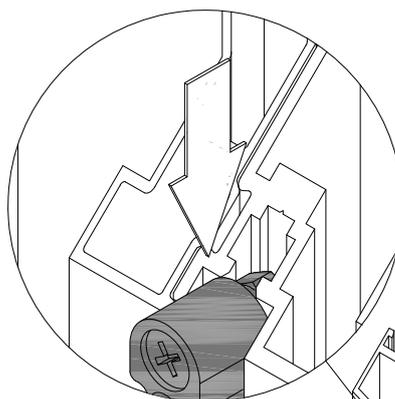
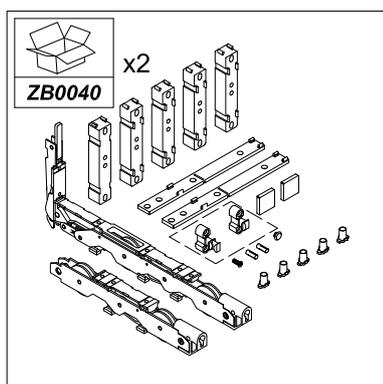
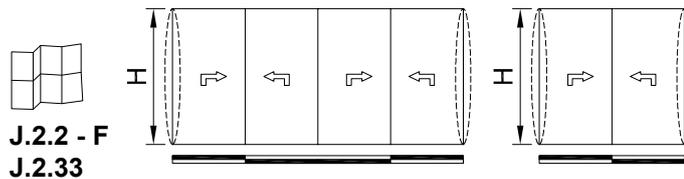


ASSEMBLAGGIO TAPPO CENTRALE CO1111 PROFILATO SUPERIORE C9K020



C160-ASS-1302

ASSEMBLAGGIO PUNTI DI CHIUSURA - ZB0034/ZB0035/ZB0036



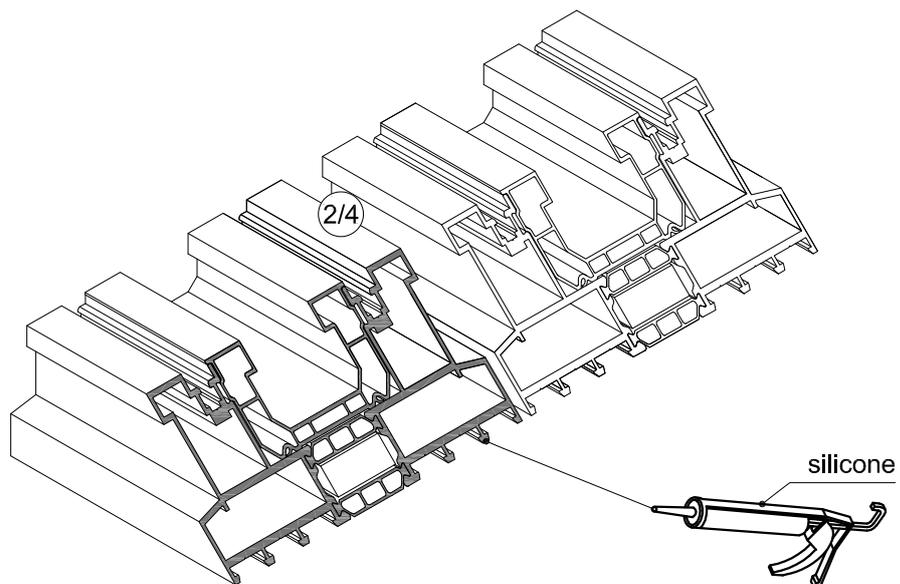
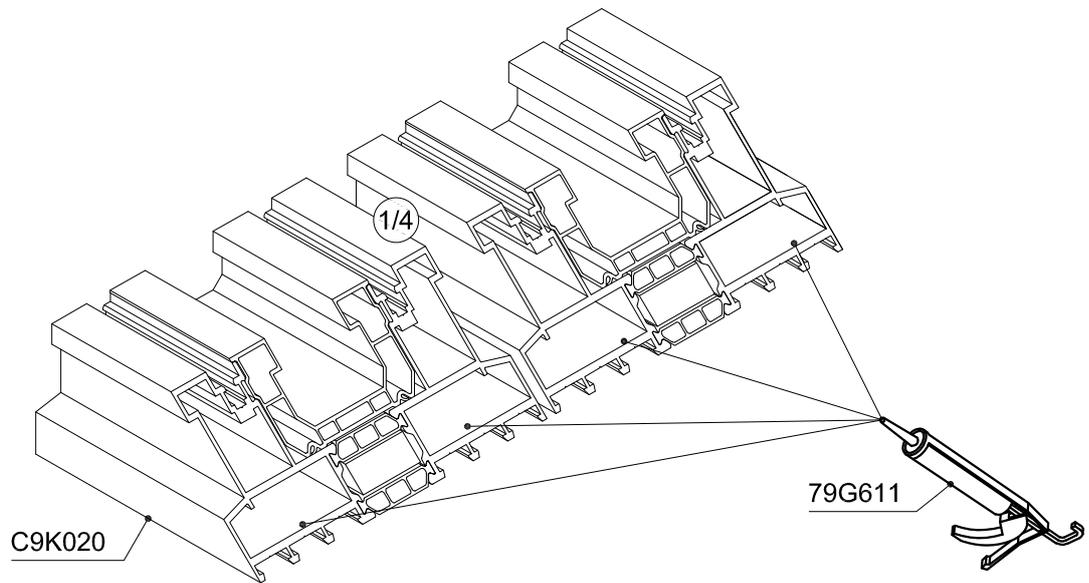
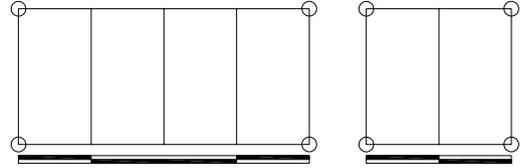
2-BINARI TELAIO TAGLI 45°

ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

1 / 3



J.2.2 - A
J.2.5

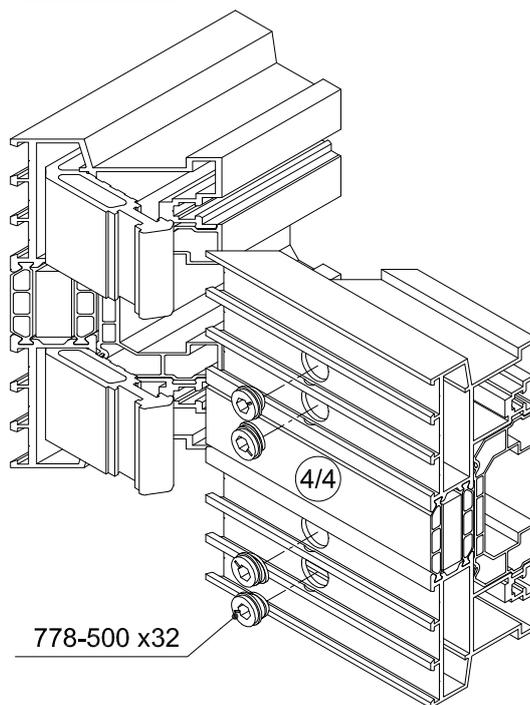
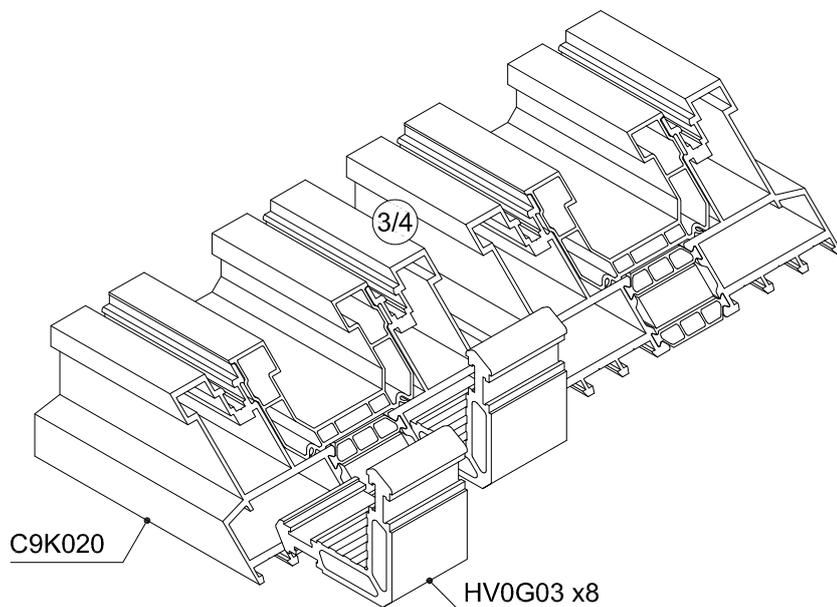
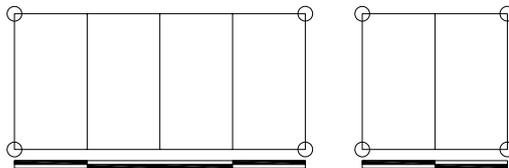


ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

2 / 3



J.2.2 - A
J.2.5

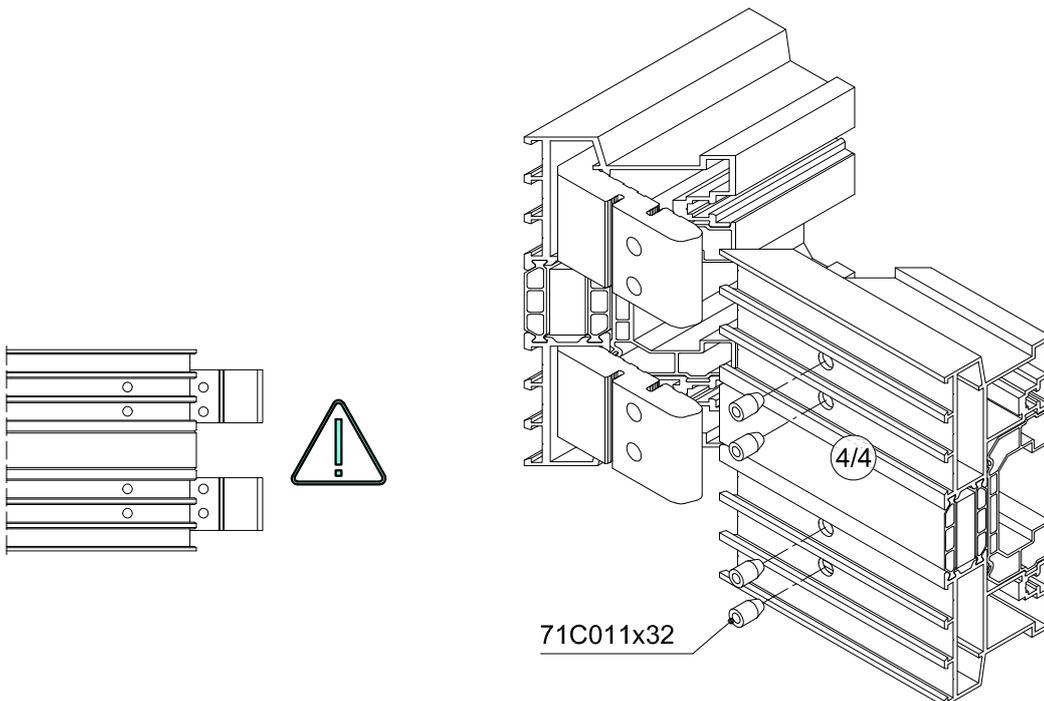
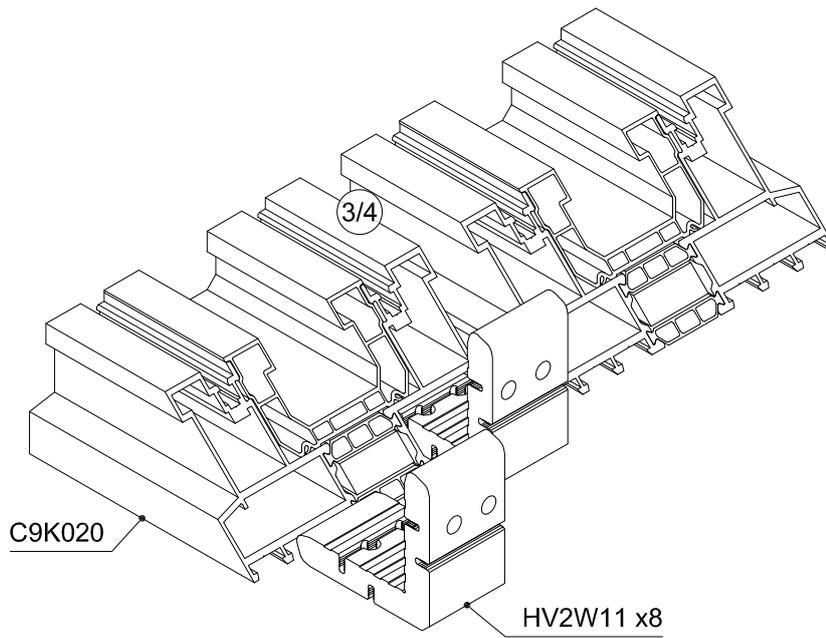
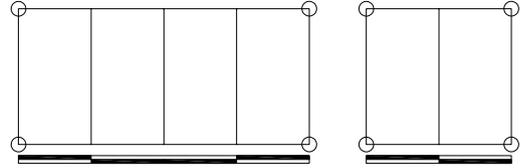


ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

3 / 3



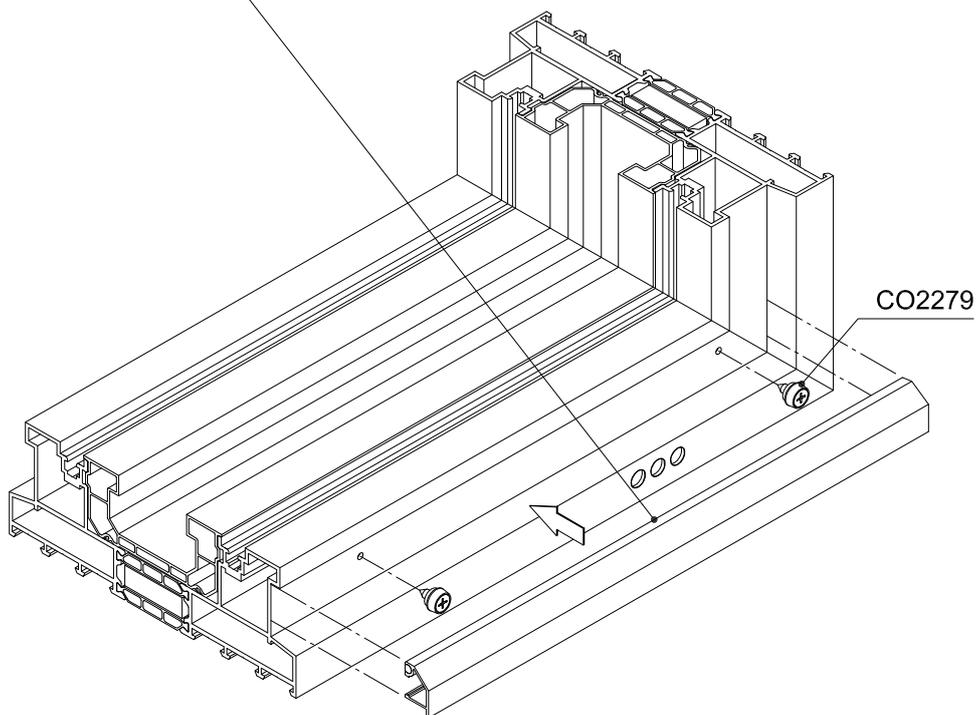
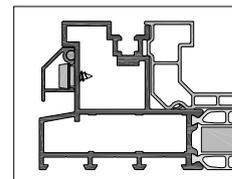
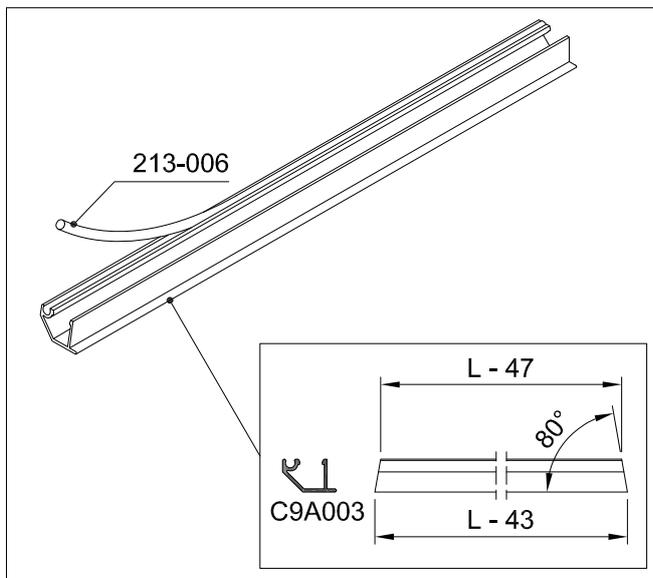
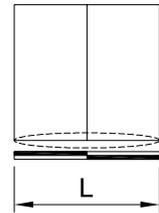
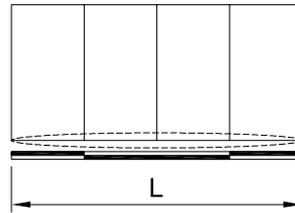
J.2.2 - A
J.2.5



ASSEMBLAGGIO CAPPETTA DI DRENAGGIO C9A003



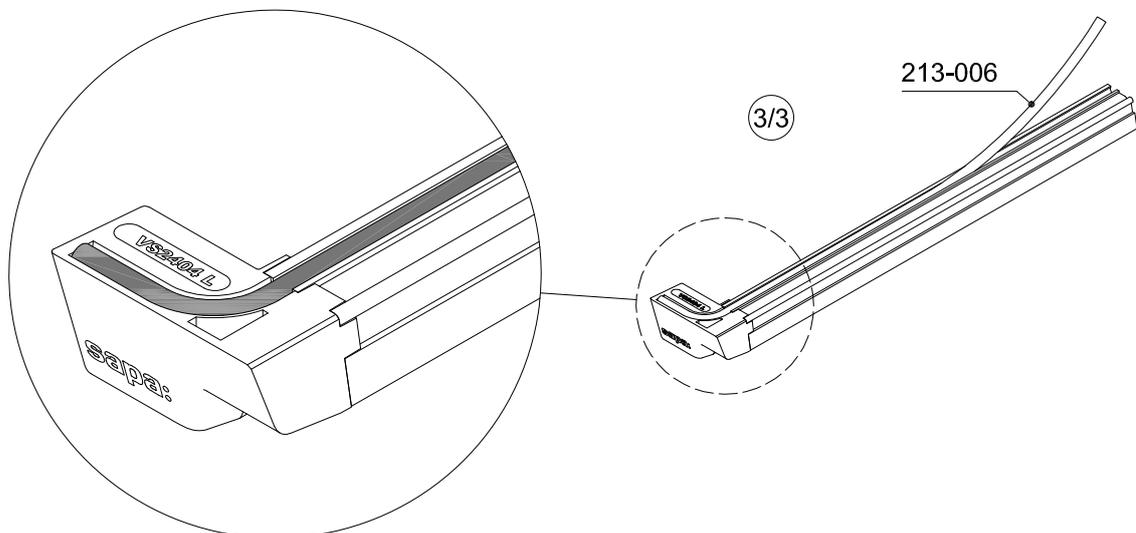
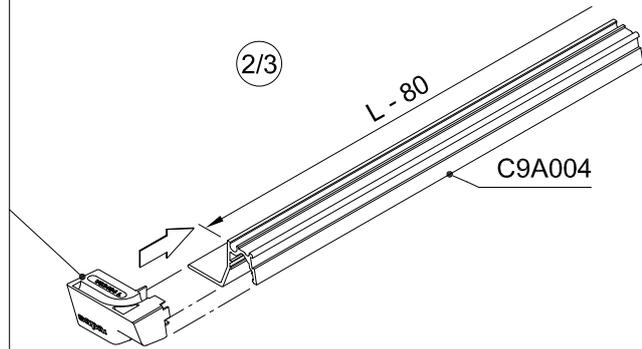
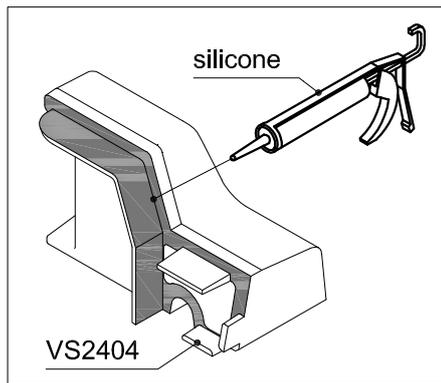
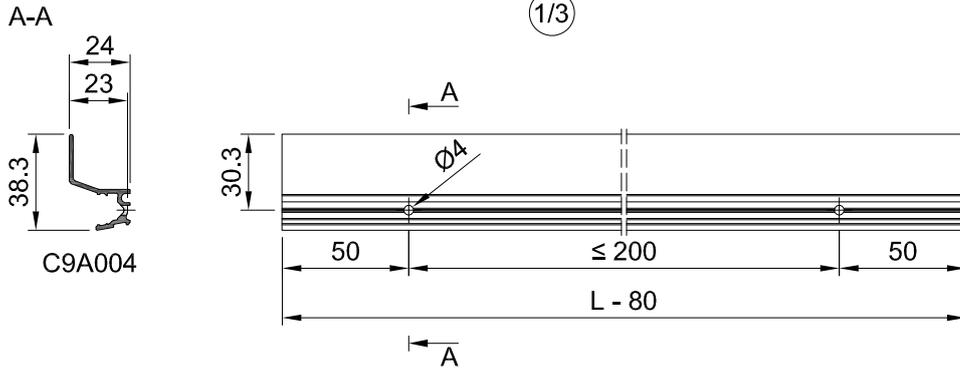
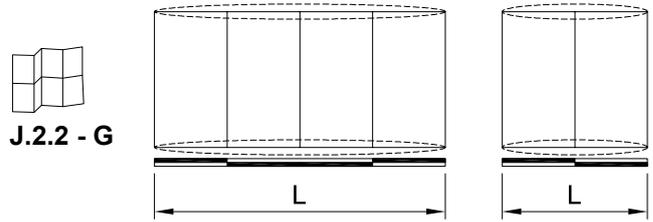
J.2.2 - B
 J.2.6



2-BINARI TELAIO TAGLI 45°

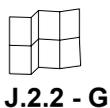
OPERAZIONI C9A004 + VS2404

1 / 3

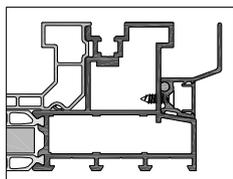
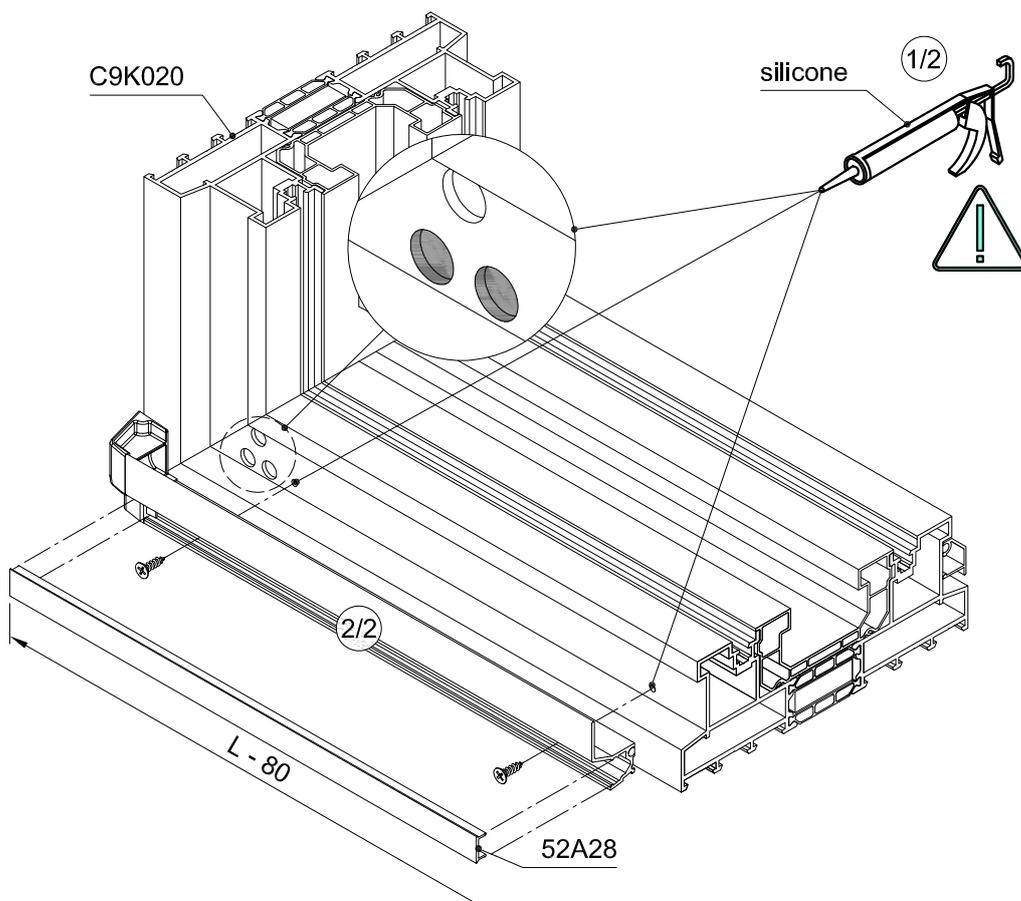
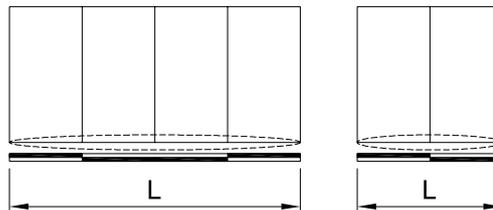


ASSEMBLAGGIO C9A004 + VS2404

2 / 3

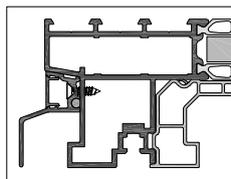
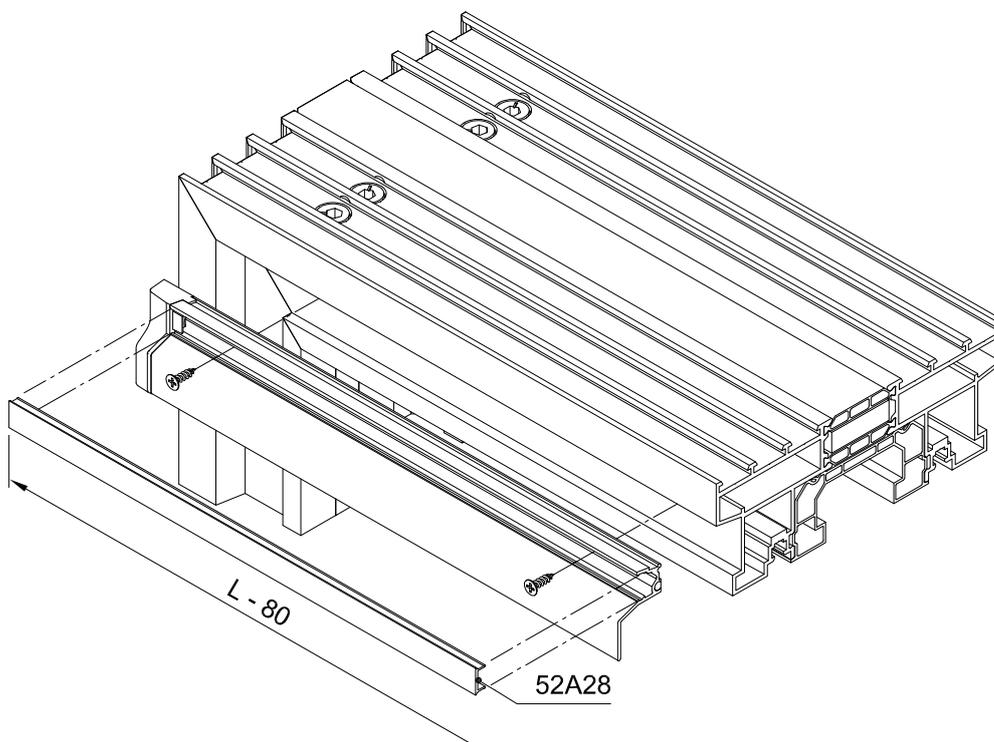
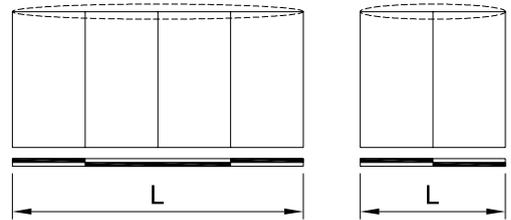


J.2.2 - G



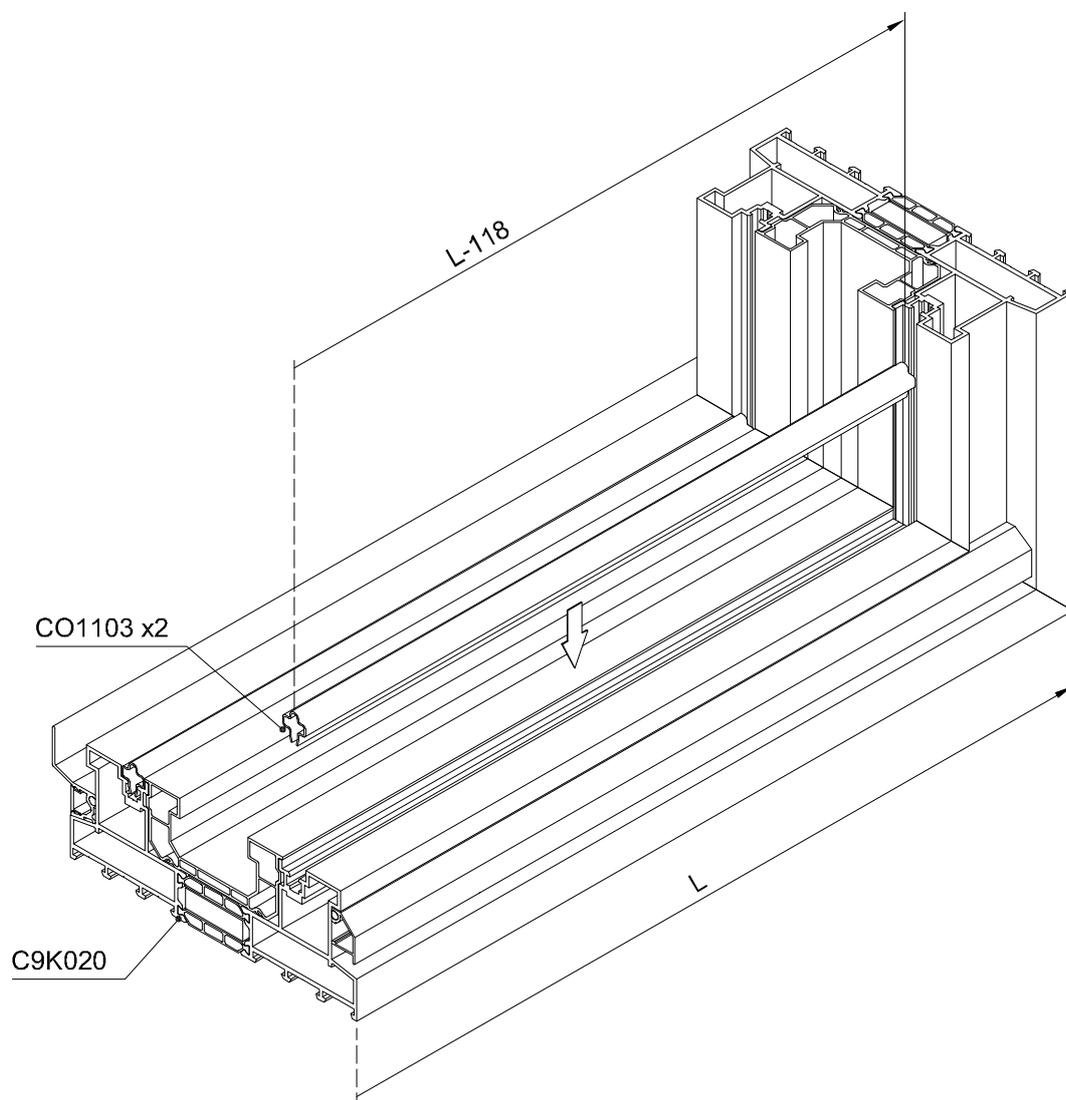
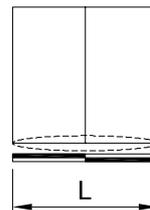
ASSEMBLAGGIO C9A004 + VS2404 - OPTIONAL

3 / 3



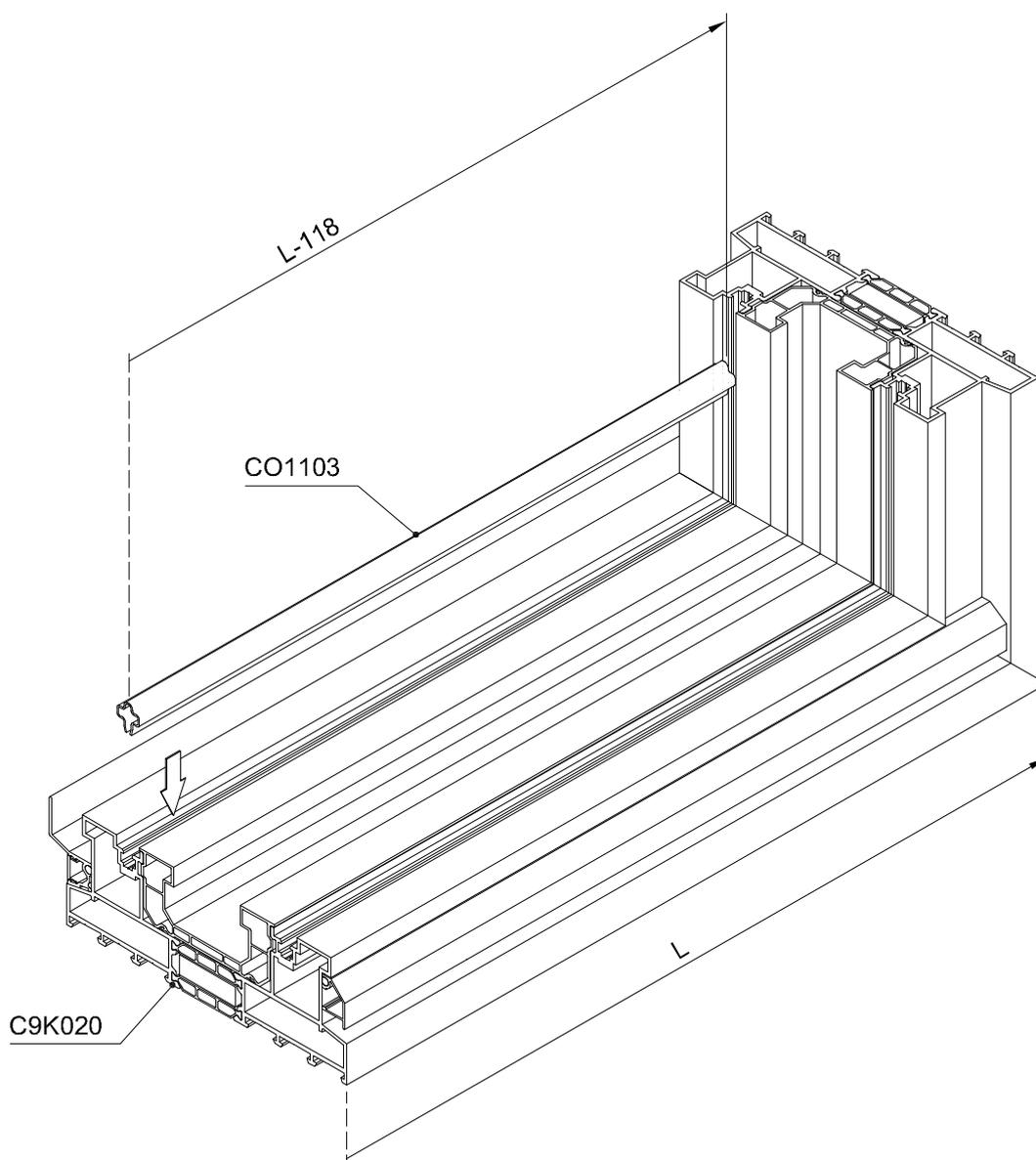
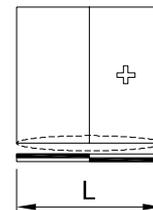
ASSEMBLAGGIO CO1103

1 / 3



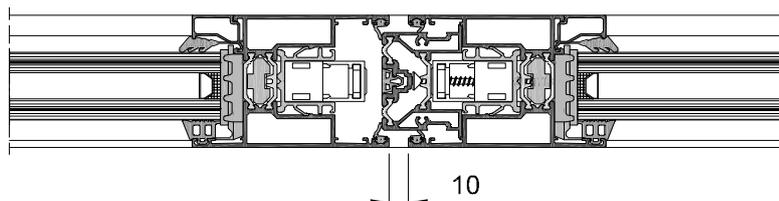
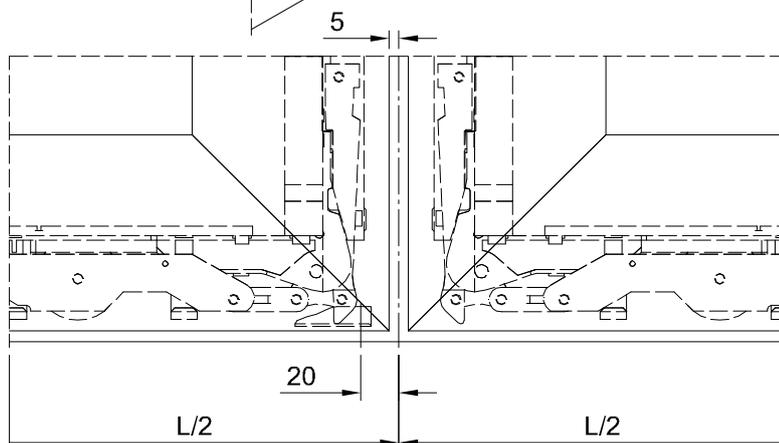
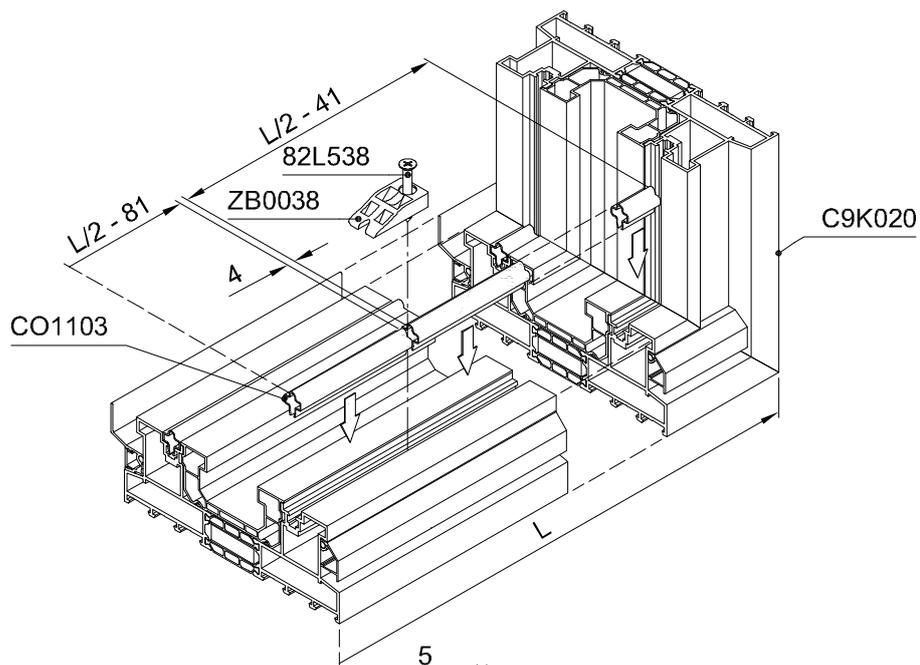
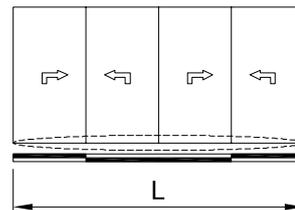
ASSEMBLAGGIO CO1103 CON 1 ANTA FUNZIONALE

2 / 3



ASSEMBLAGGIO CO1103 E ZB0038 PER SCHEMA 4 ANTE

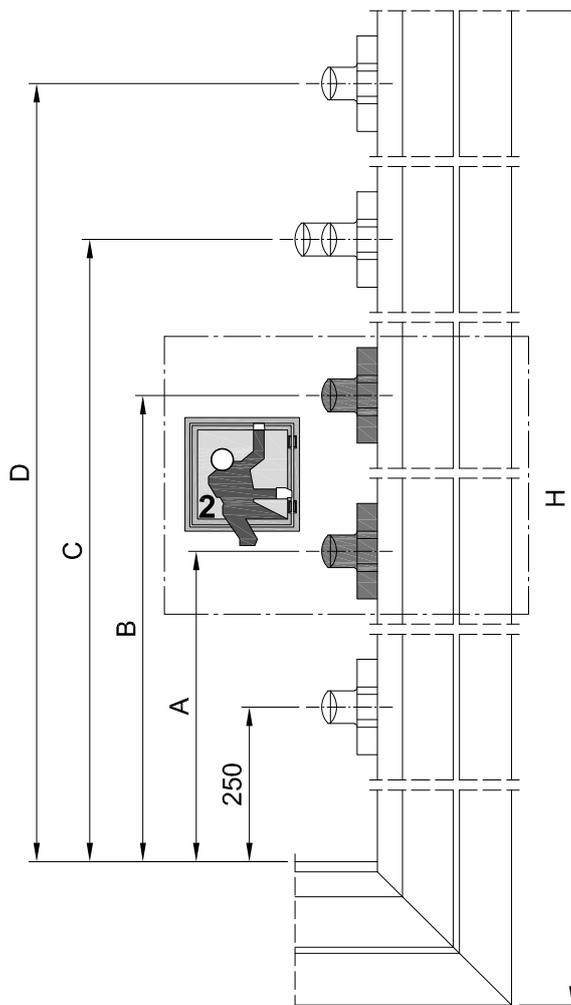
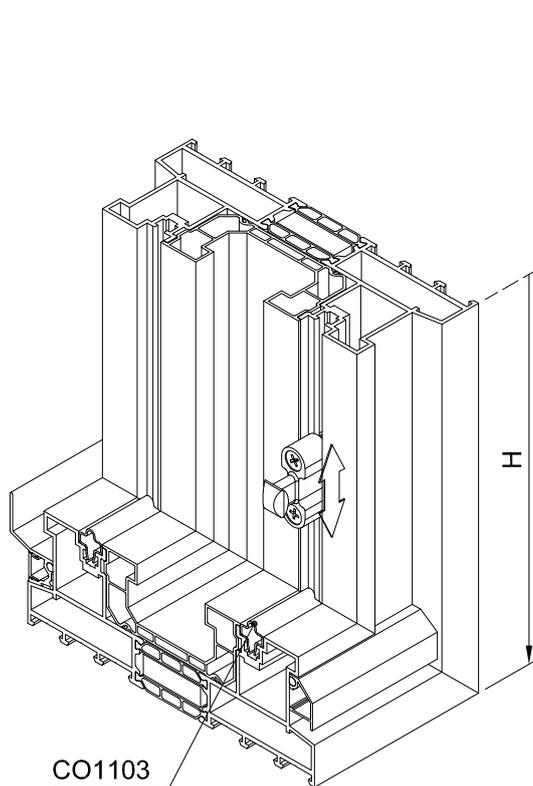
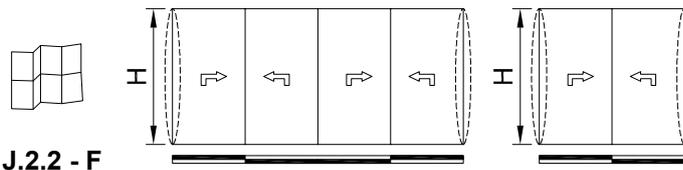
3 / 3



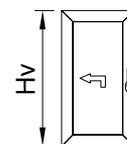
2-BINARI TELAIO TAGLI 45°

ASSEMBLAGGIO PUNTI DI CHIUSURA

1 / 2

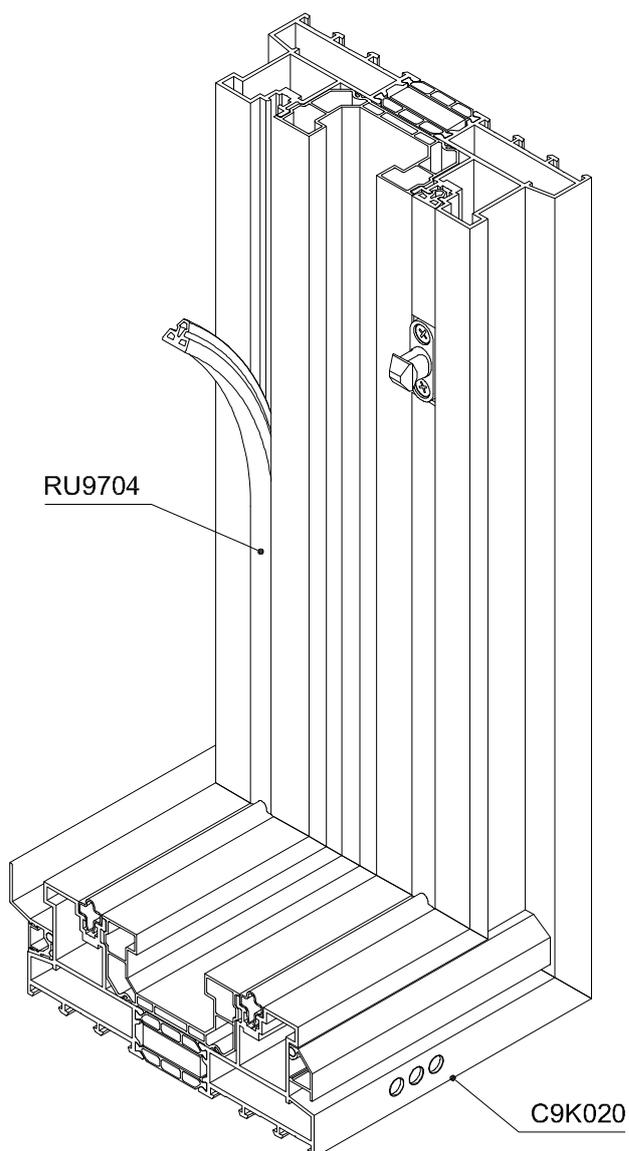
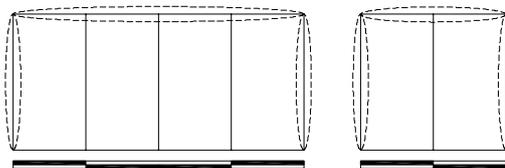


| | Hv | | | | | | |
|--|-------------|-------------|-----------------|------|------|------|------|
| | | | | A | B | C | D |
| | 1180 - 1877 | 1312 - 2009 | ZB0033 | - | 600 | 1000 | - |
| | 1878 - 2177 | 2010 - 2309 | ZB0034 | 750 | 1200 | 1600 | |
| | 2178 - 2477 | 2310 - 2609 | ZB0035 | | | 1900 | |
| | 2478 - 2777 | 2610 - 2909 | ZB0036 | | | 2200 | |
| | 2778 - 3077 | 2910 - 3209 | ZB0035 + ZB0046 | | | 750 | 1200 |
| | 3078 - 3377 | 3210 - 3509 | ZB0036 + ZB0046 | 2200 | | | |

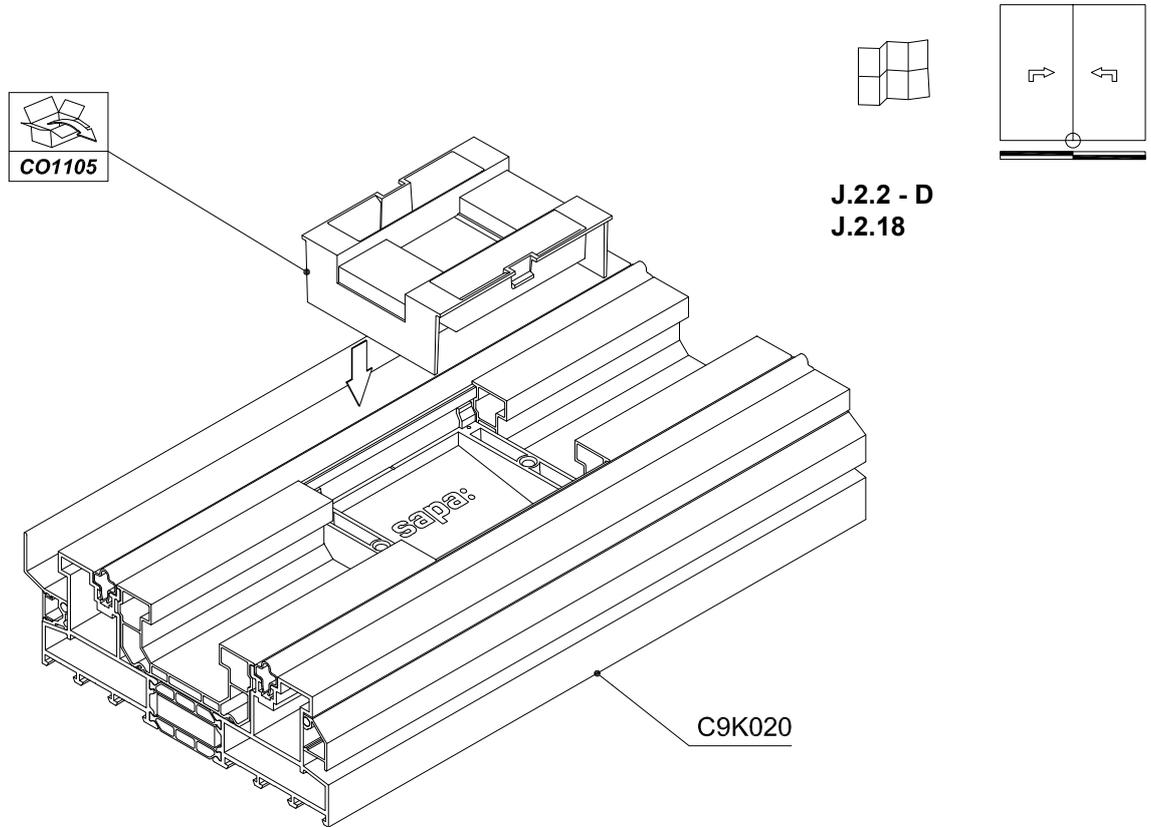


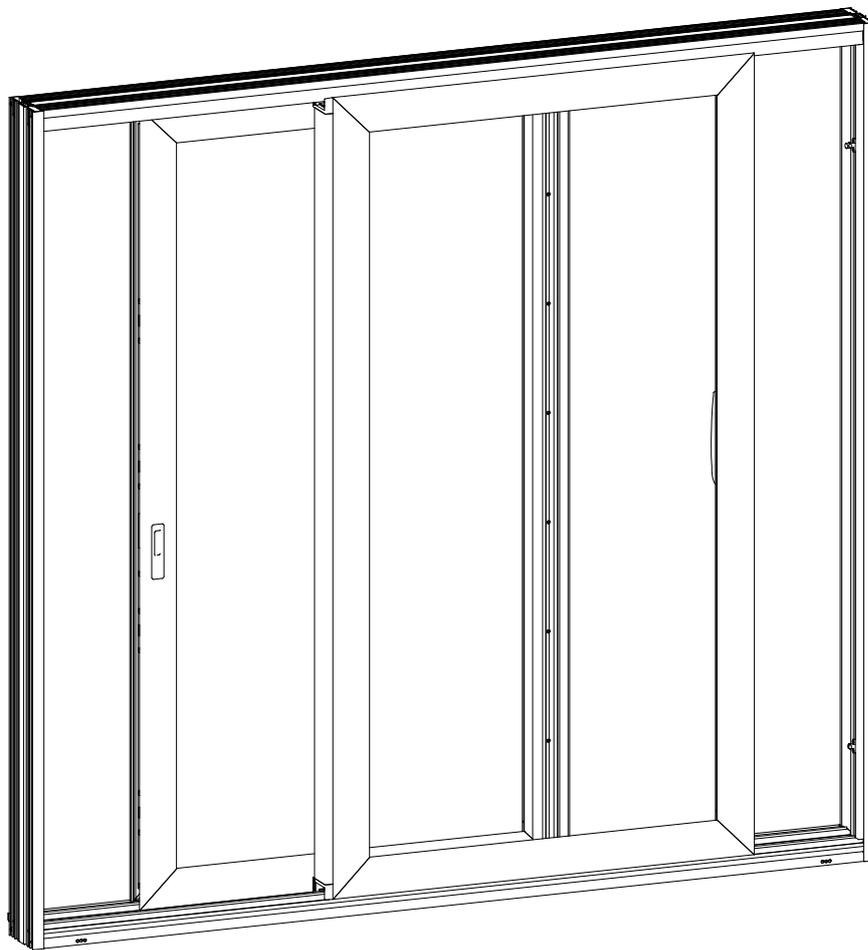
$Hv = H - 100$

ASSEMBLAGGIO GUARNIZIONE DI FINITURA RU9704

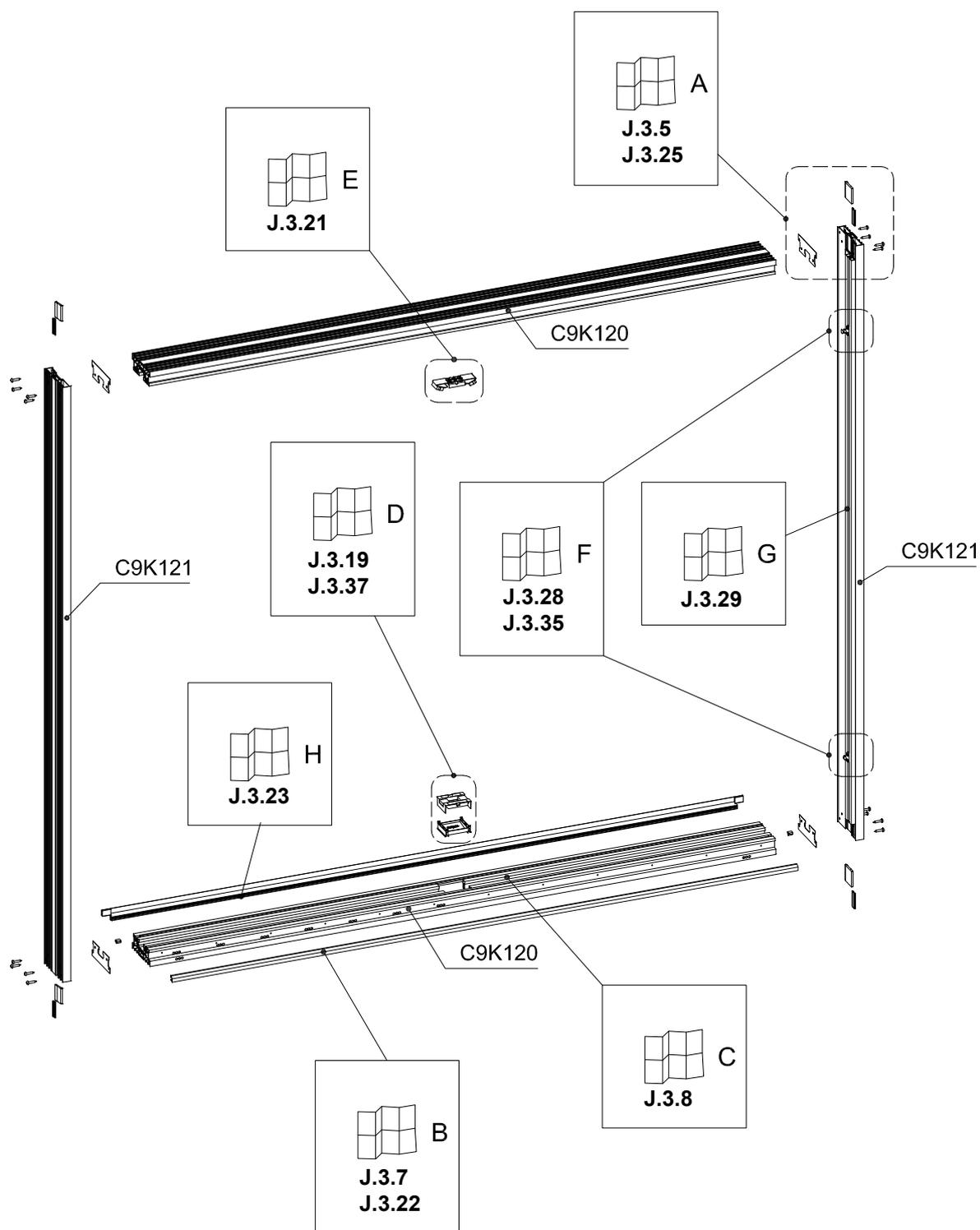


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K020



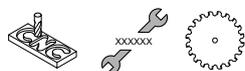


PANORAMICA ASSEMBLAGGIO



CONTENUTO

| | |
|---------------------------------|-------|
| 2-binari telaio tagli 90° | J.3.1 |
| Panoramica assemblaggio | J.3.2 |
| Contenuto | J.3.3 |



| | |
|--|-------|
| Operazioni C9K121 e assemblaggio BT6019 | J.3.4 |
| Operazioni C9K121 per assemblaggio telaio | J.3.5 |
| Operazioni C9K120 + KU2028 e assemblaggio BT6006 | J.3.6 |



| | |
|---|--------|
| Operazioni C9K120 per cappetta di drenaggio | J.3.7 |
| C9K120 e KU2028 panoramica drenaggi | J.3.8 |
| C9K120 lavorazione drenaggio - J (optional 1/2) | J.3.9 |
| C9K120 lavorazione drenaggio - H | J.3.11 |
| C9K120 lavorazione drenaggio - B | J.3.12 |
| C9K120 lavorazione drenaggio - A | J.3.13 |
| C9K120 lavorazione drenaggio - G | J.3.14 |
| C9K120 lavorazione drenaggio - M | J.3.15 |
| KU2028 lavorazione drenaggio - K1 | J.3.16 |
| KU2028 lavorazione drenaggio - K2 | J.3.17 |

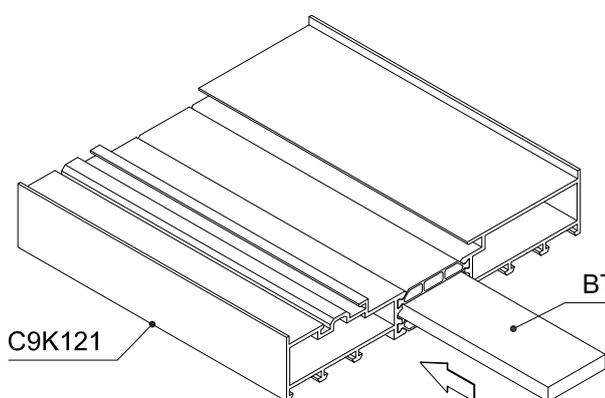
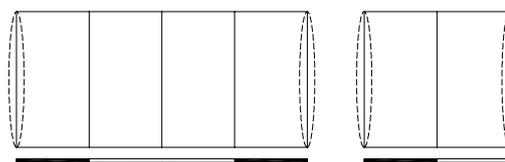
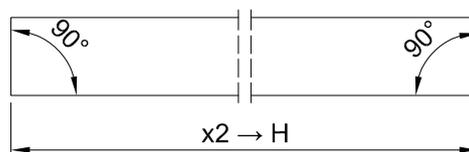
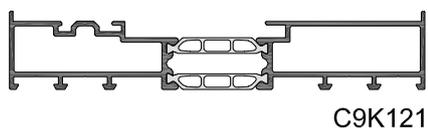
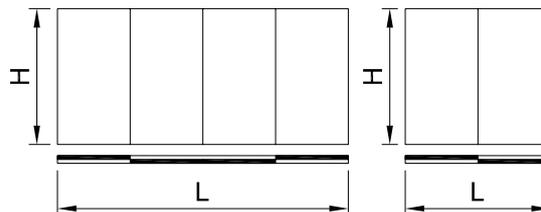


| | |
|---|--------|
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore C9K120 | J.3.18 |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K120 | J.3.19 |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K120 | J.3.21 |
| Assemblaggio cappetta di drenaggio C9A003 | J.3.22 |
| Operazioni C9A004 | J.3.23 |
| Assemblaggio C9A004 | J.3.24 |
| Assemblaggio CO0132 e VS9957 su C9K121 | J.3.25 |

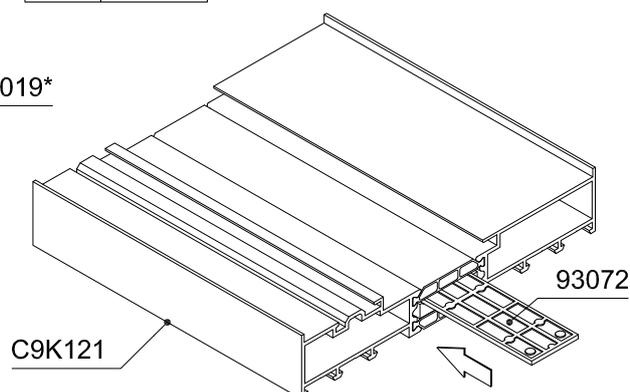


| | |
|--|--------|
| Assemblaggio VS9999 su C9K121 e assemblaggio telaio | J.3.26 |
| Sigillatura C9A004 | J.3.27 |
| Assemblaggio punti di chiusura (ZB0034/ZB0035/ZB0036) | J.3.28 |
| Assemblaggio RU9704 | J.3.29 |
| Assemblaggio C9A100 | J.3.30 |
| Assemblaggio KU2035 | J.3.31 |
| Assemblaggio CO1103 | J.3.32 |
| Assemblaggio CO1103 con 1 anta funzionale | J.3.33 |
| Assemblaggio CO1103 e ZB0038 per schema 4 ante | J.3.34 |
| Assemblaggio punti di chiusura | J.3.35 |
| Assemblaggio guarnizione di finitura RU9704 | J.3.36 |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K120 | J.3.37 |

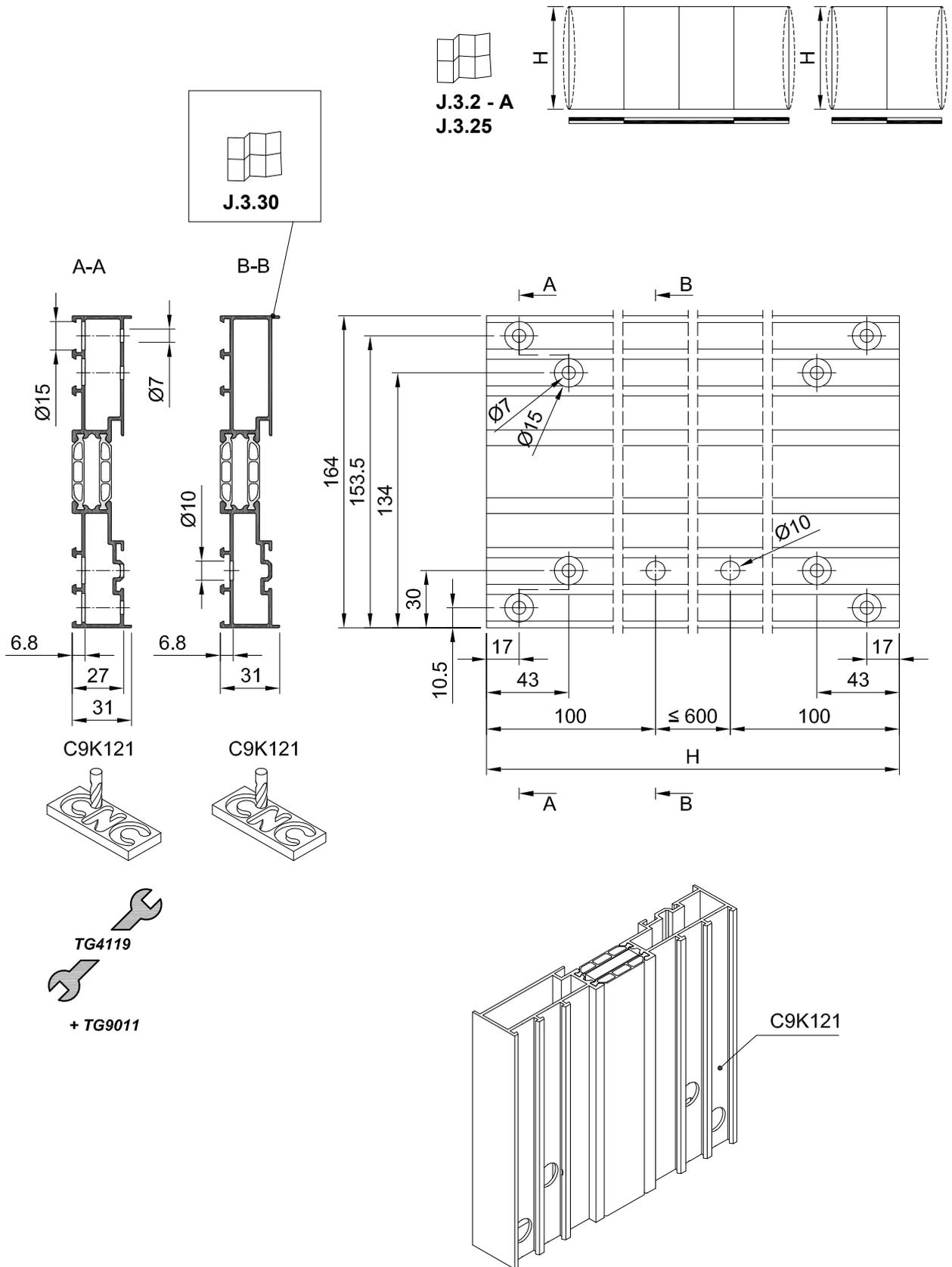
OPERAZIONI C9K121 E ASSEMBLAGGIO BT6019



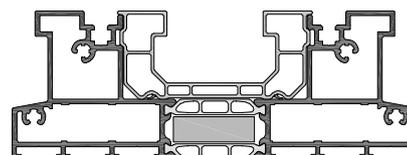
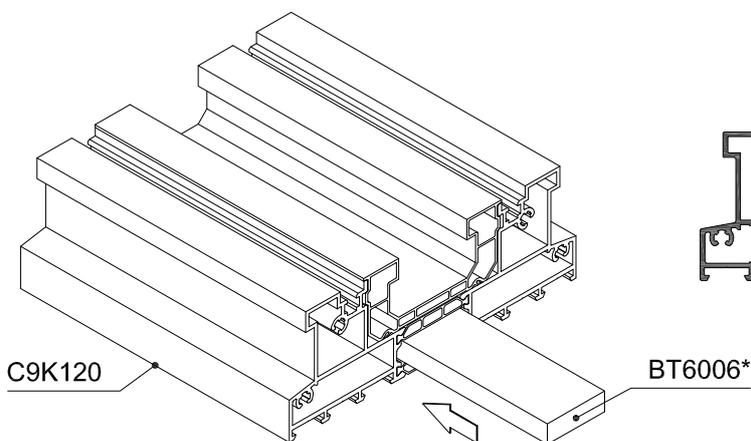
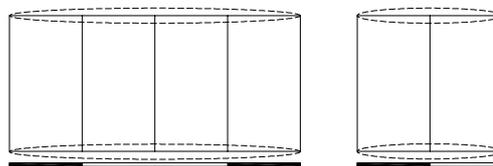
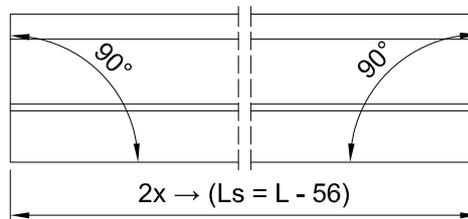
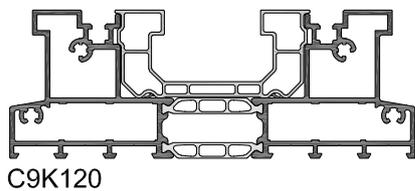
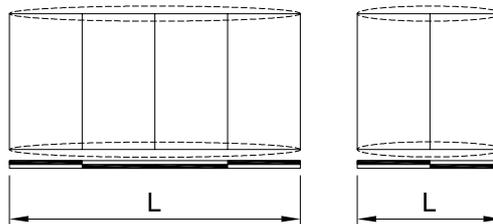
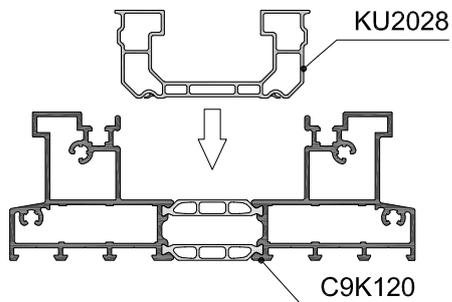
| | BT6019 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |



OPERAZIONI C9K121 PER ASSEMBLAGGIO TELAIO



OPERAZIONI C9K120 + KU2028 E ASSEMBLAGGIO BT6006



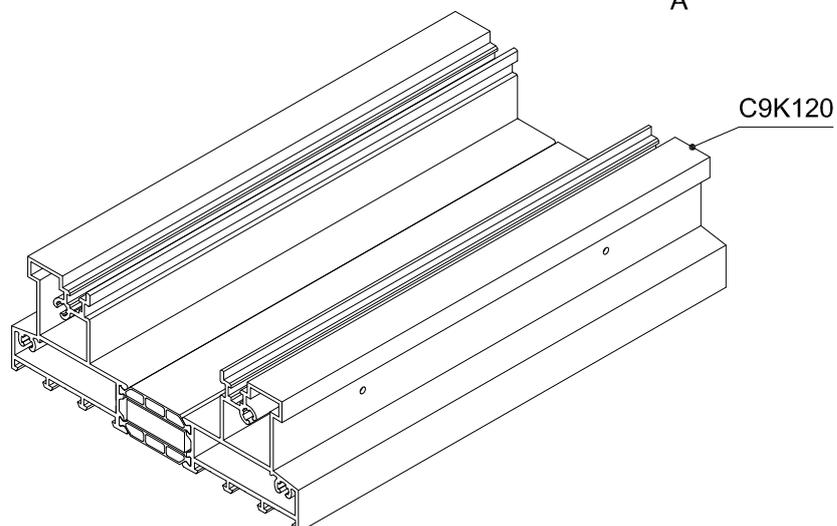
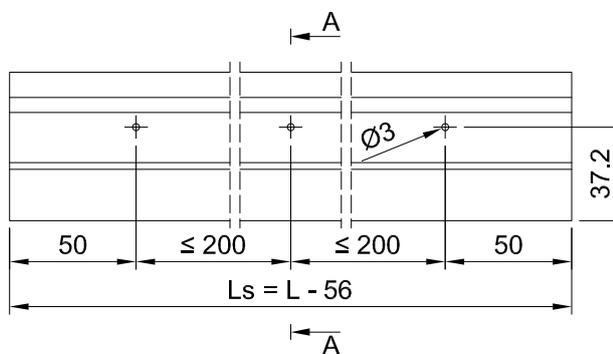
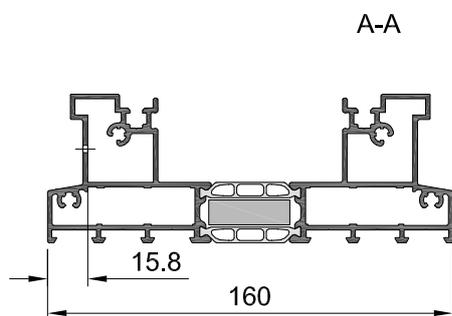
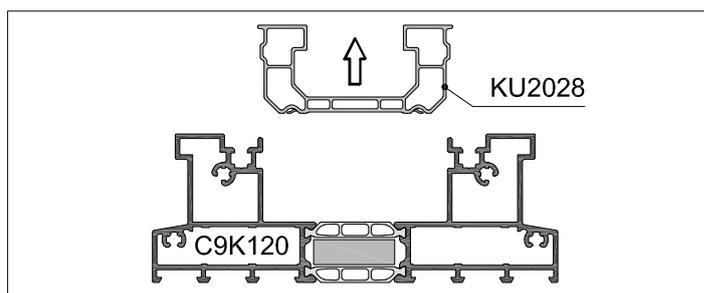
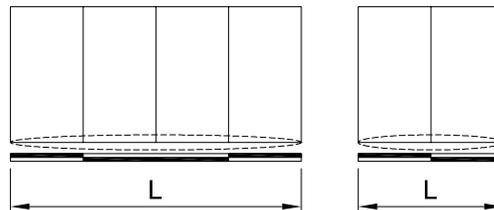
| | BT6006 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |

2-BINARI TELAIO TAGLI 90°

OPERAZIONI C9K120 PER CAPPETTA DI DRENAGGIO

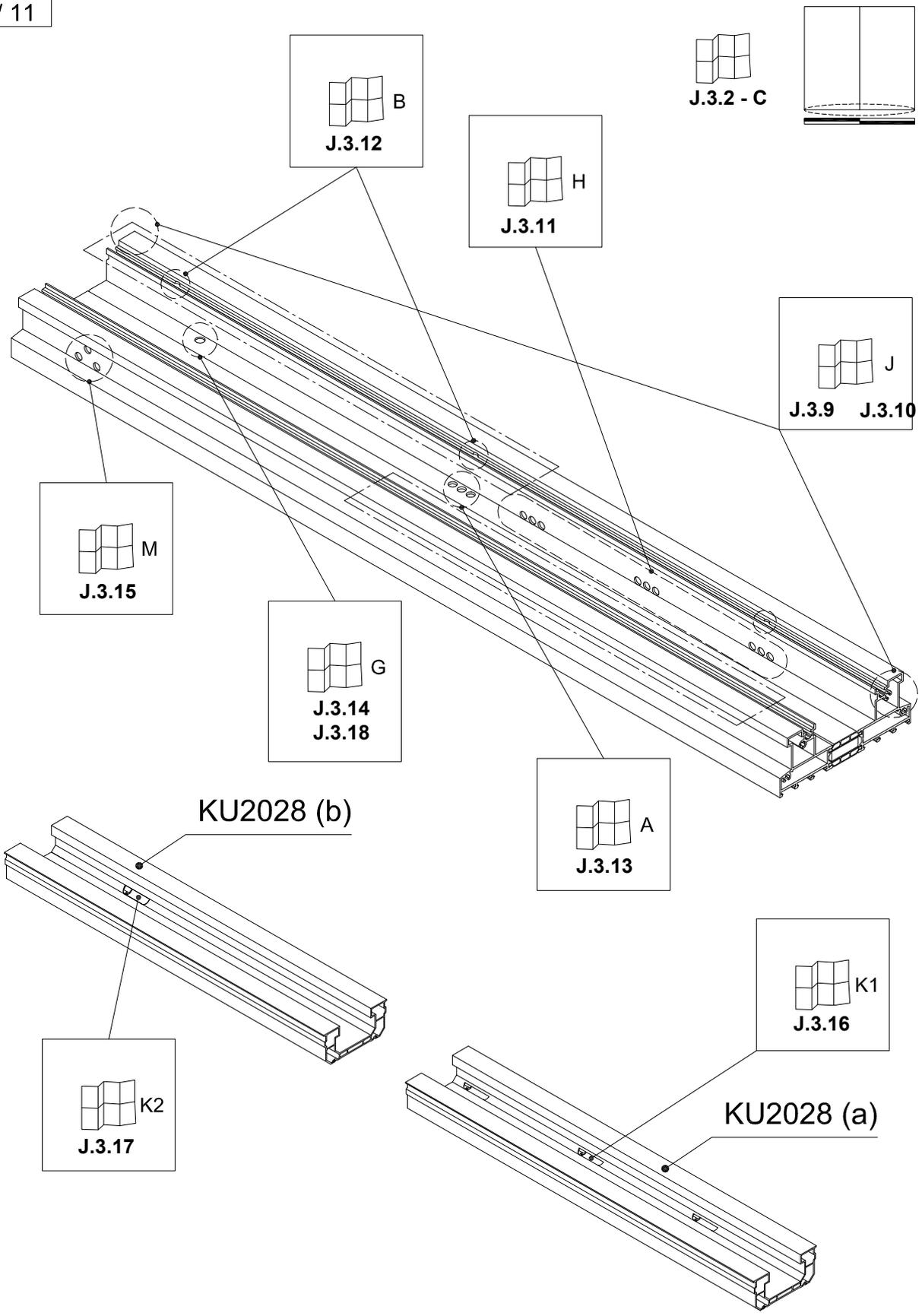


J.3.2 - B
J.3.22



C9K120 E KU2028 PANORAMICA DRENAGGI

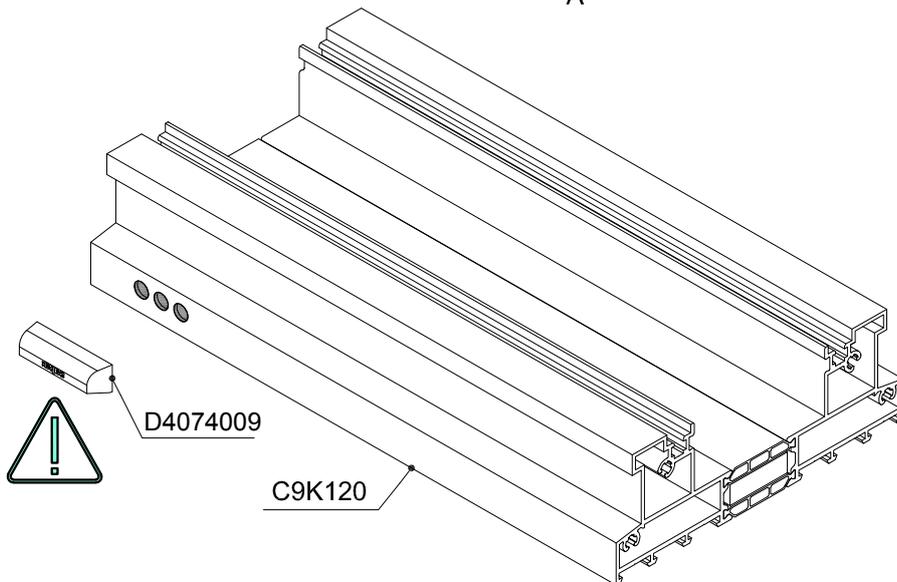
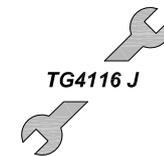
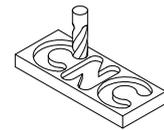
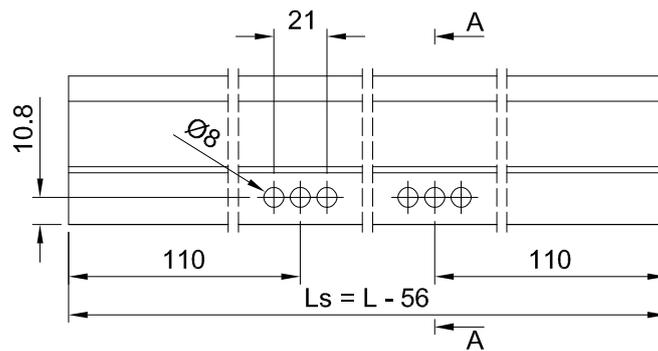
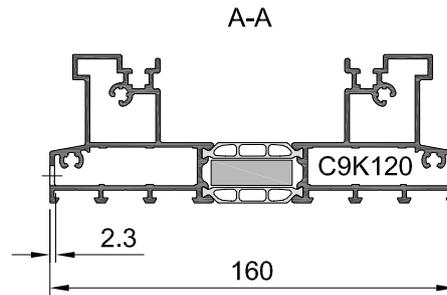
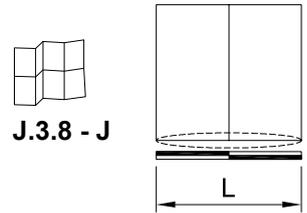
1 / 11



2-BINARI TELAIO TAGLI 90°

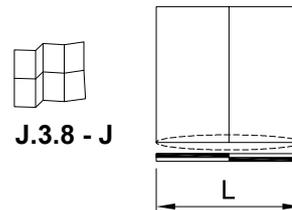
C9K120 LAVORAZIONE DRENAGGIO - J (OPTIONAL 1/2)

2 / 11

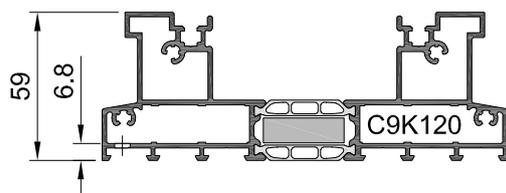


C9K120 LAVORAZIONE DRENAGGIO - J (OPTIONAL 2/2)

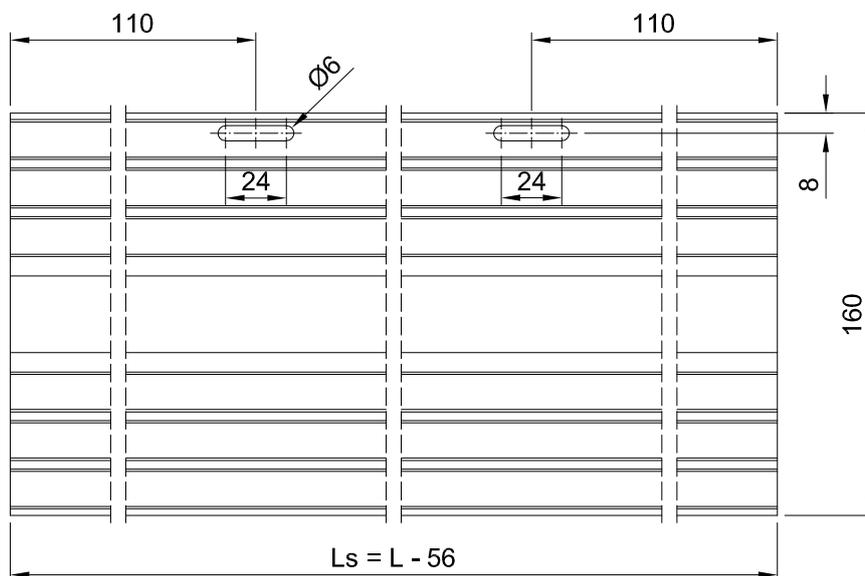
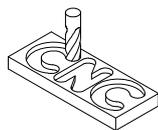
3 / 11



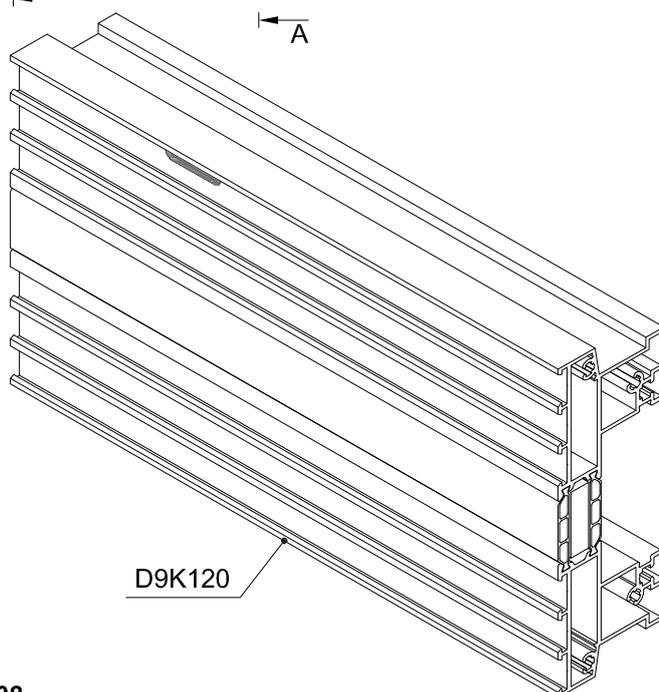
A-A



A



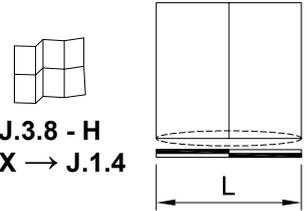
A



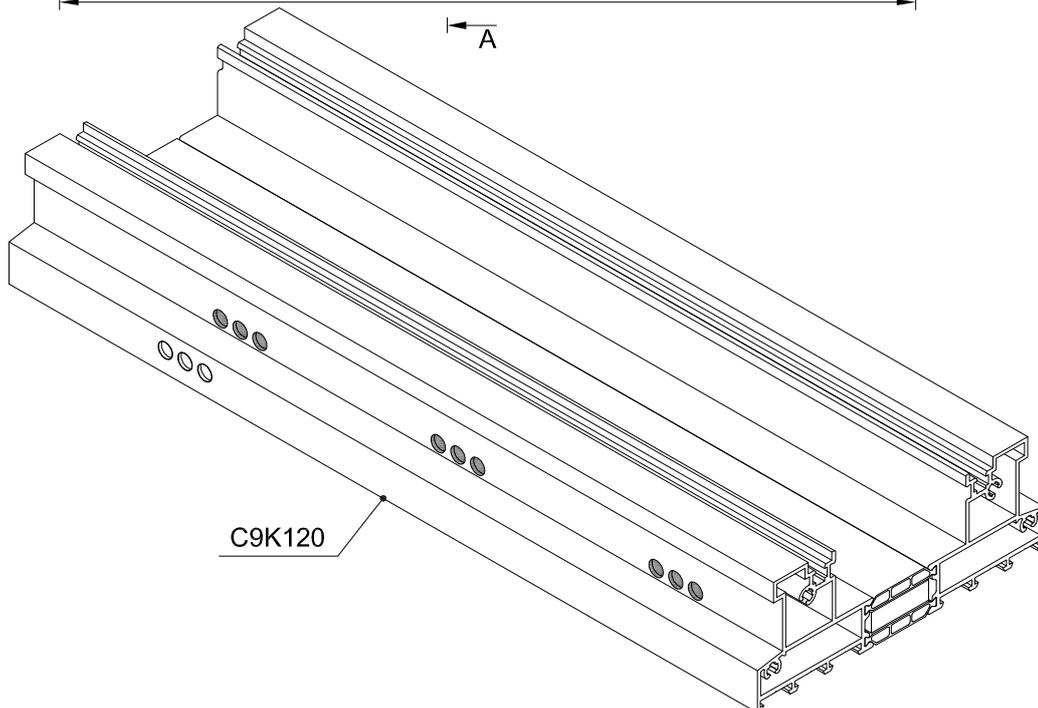
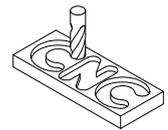
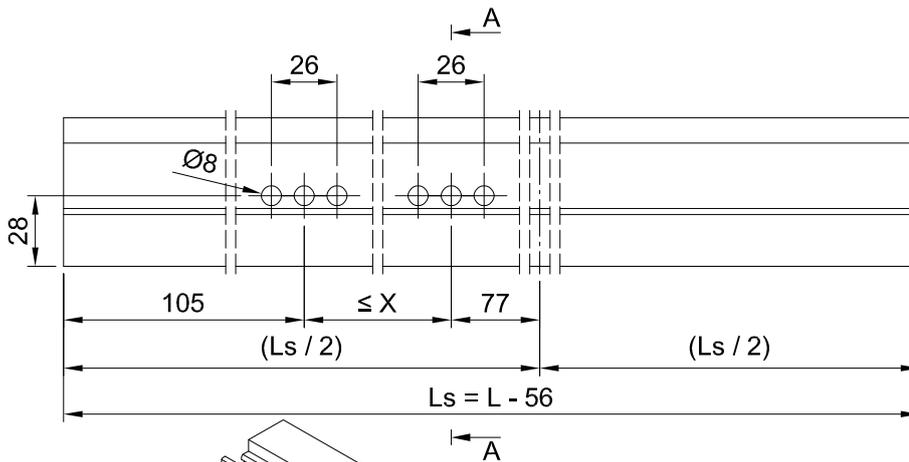
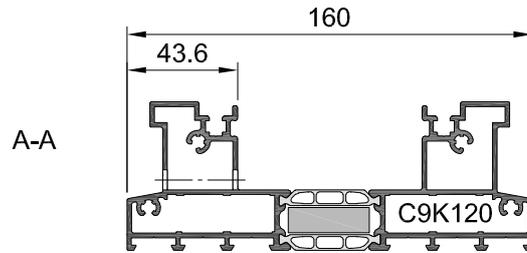
2-BINARI TELAIO TAGLI 90°

C9K120 LAVORAZIONE DRENAGGIO - H

4 / 11

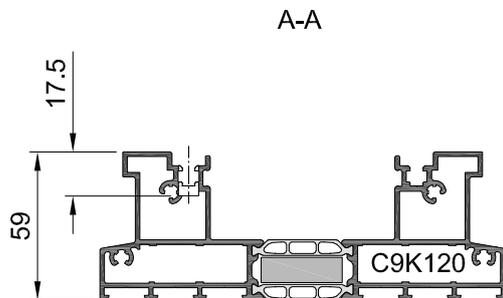
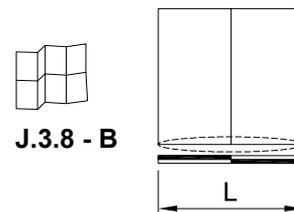


J.3.8 - H
X → J.1.4

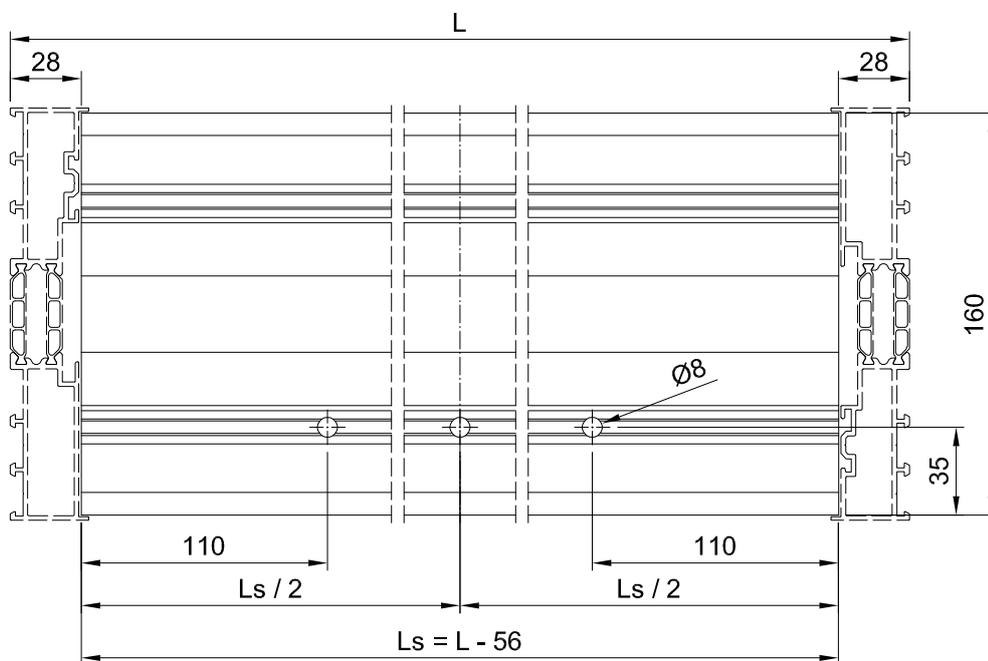
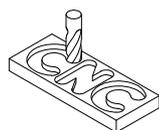


C9K120 LAVORAZIONE DRENAGGIO - B

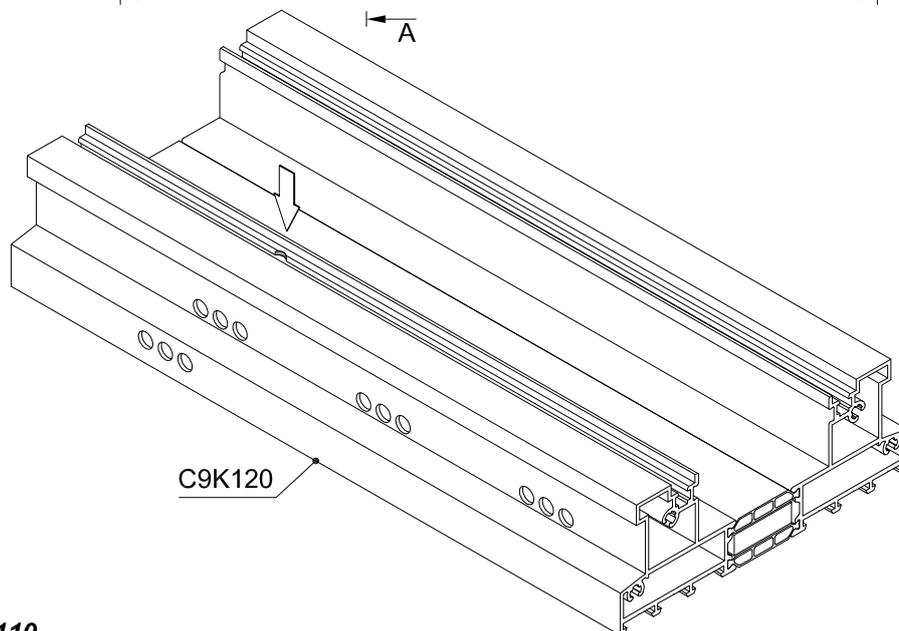
5 / 11



A



A

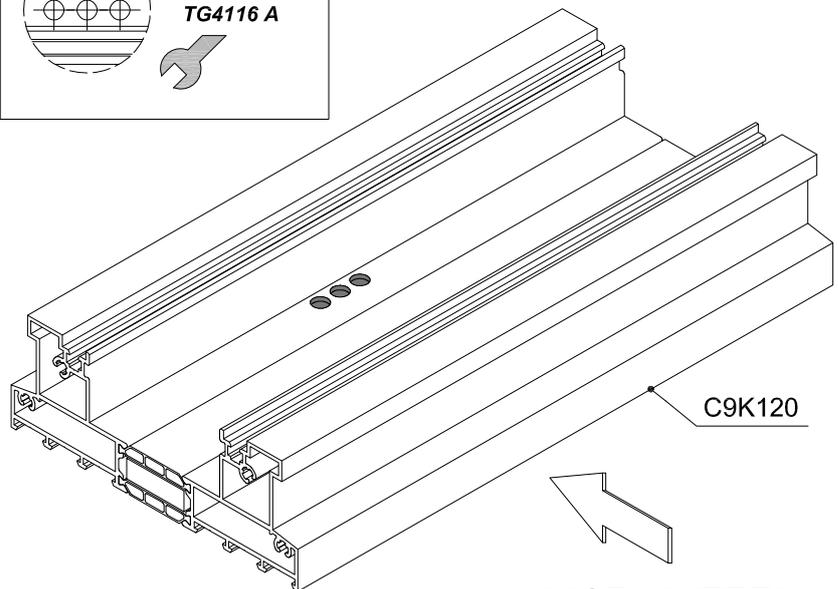
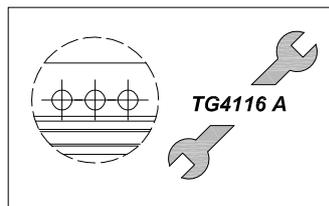
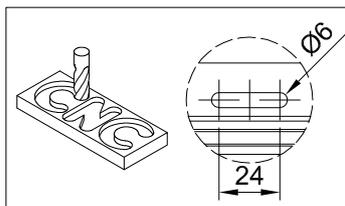
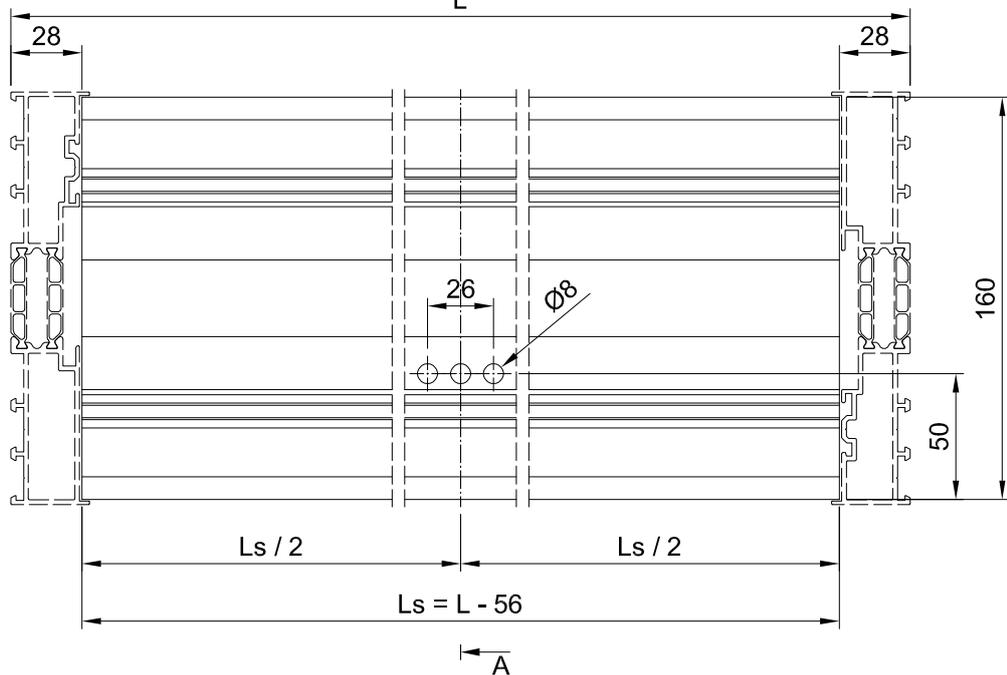
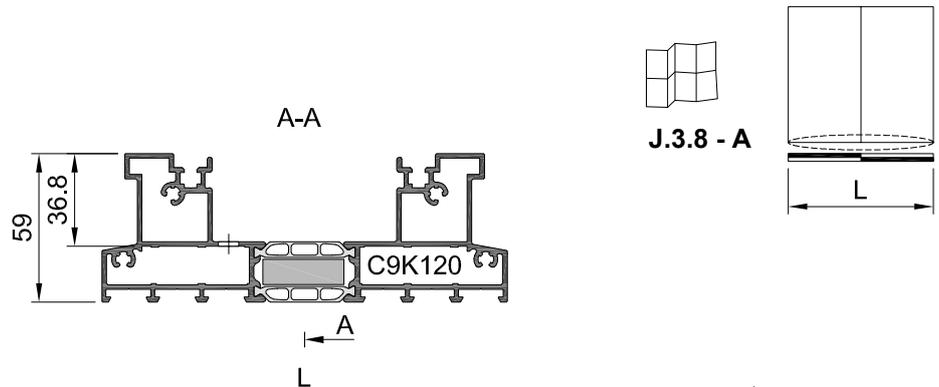


 **C160-ASS-1110**

2-BINARI TELAIO TAGLI 90°

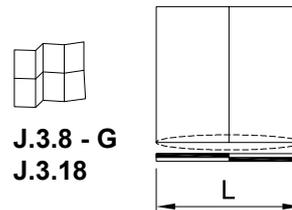
C9K120 LAVORAZIONE DRENAGGIO - A

6 / 11

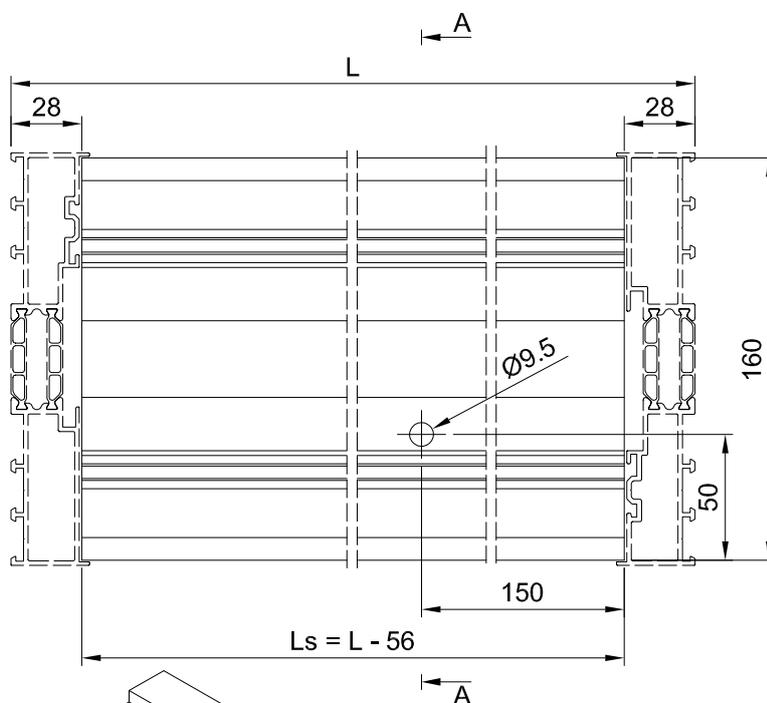
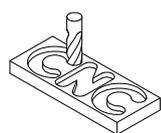
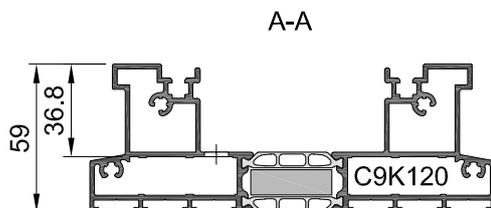


C9K120 LAVORAZIONE DRENAGGIO - G

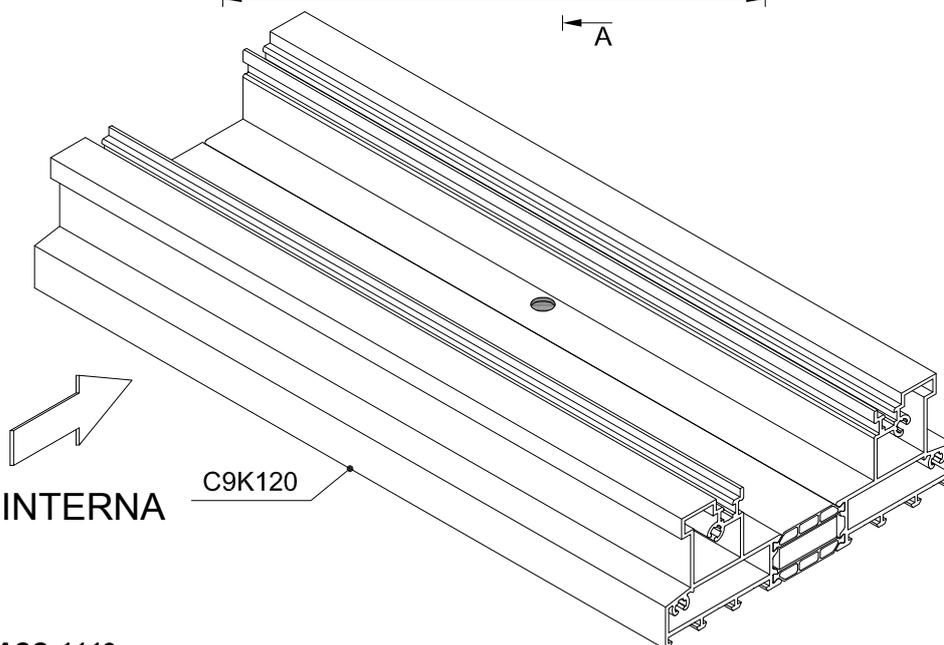
7 / 11



J.3.8 - G
J.3.18



VISTA INTERNA

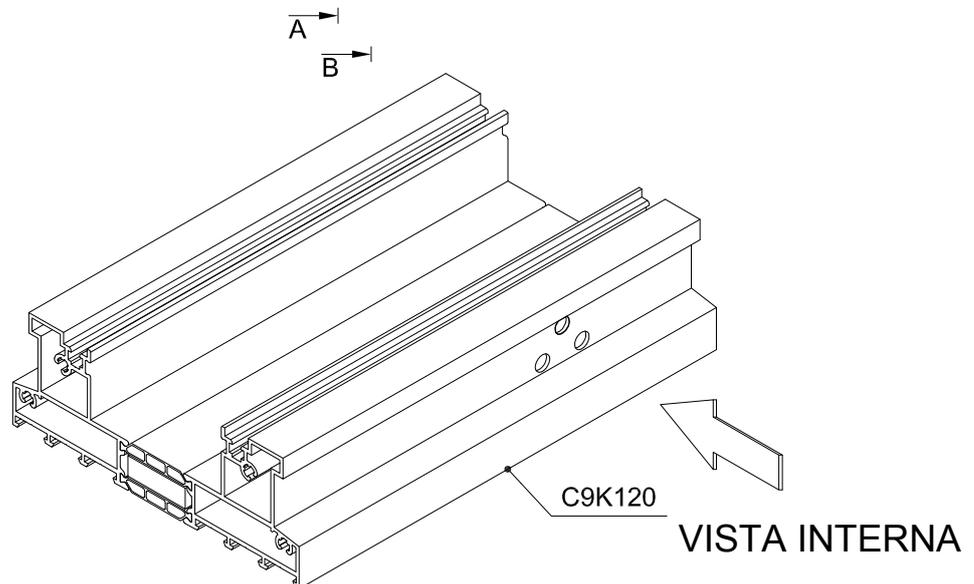
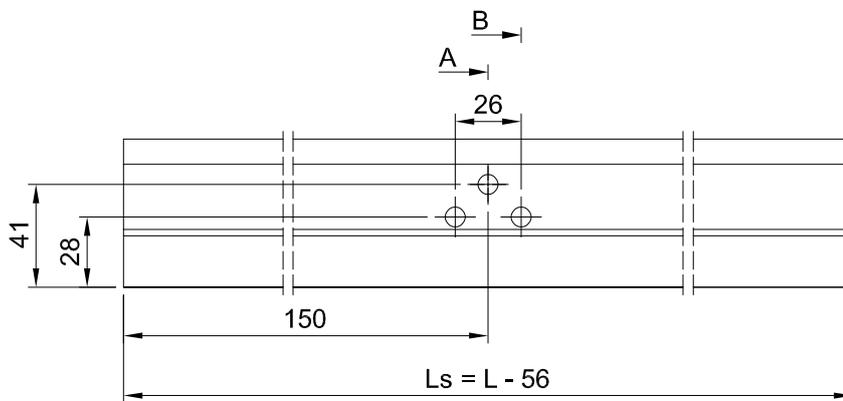
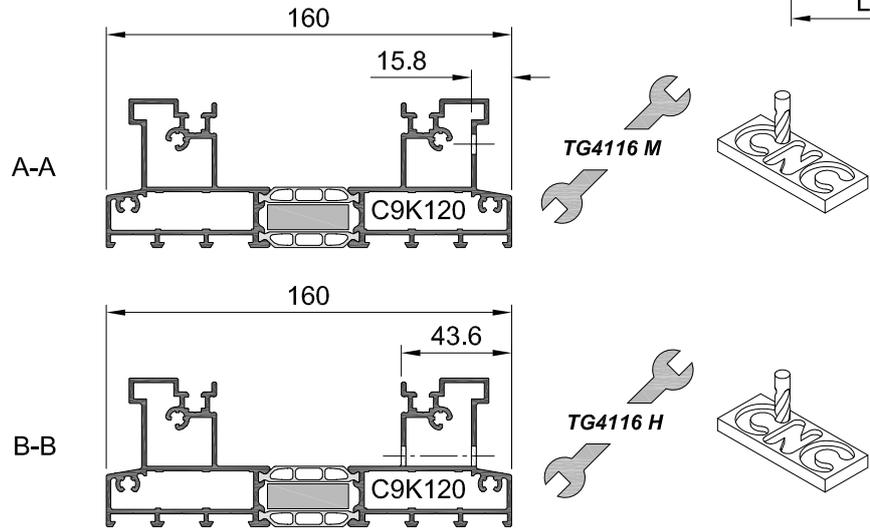
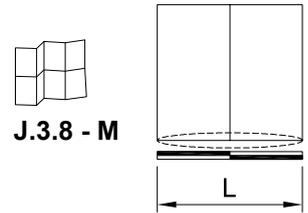


 **C160-ASS-1112**

2-BINARI TELAIO TAGLI 90°

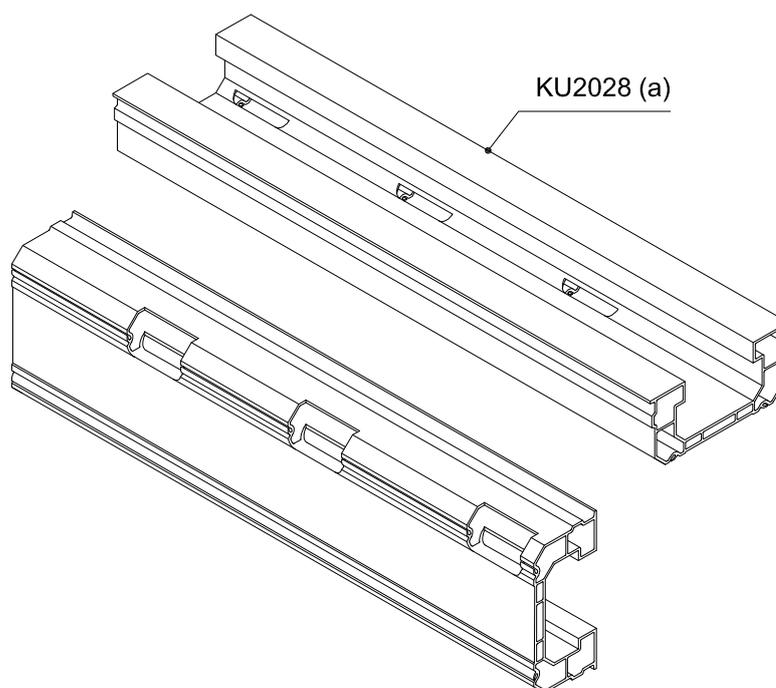
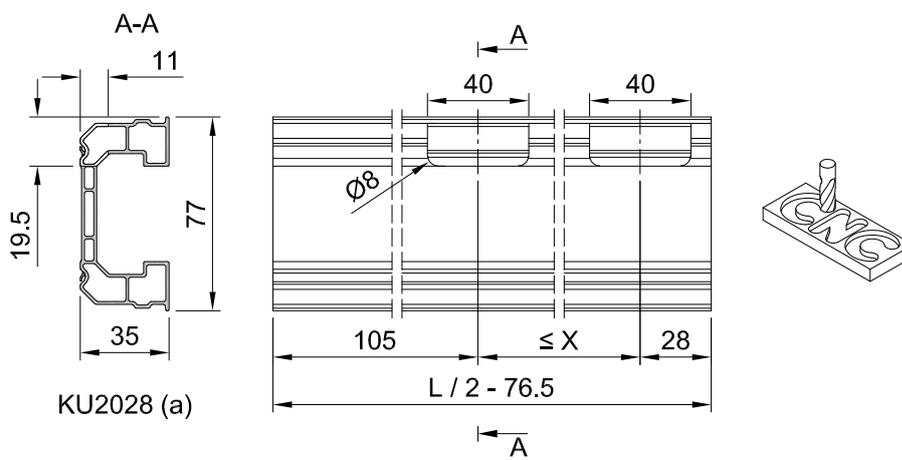
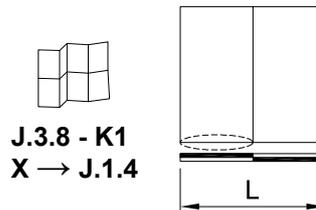
C9K120 LAVORAZIONE DRENAGGIO - M

8 / 11



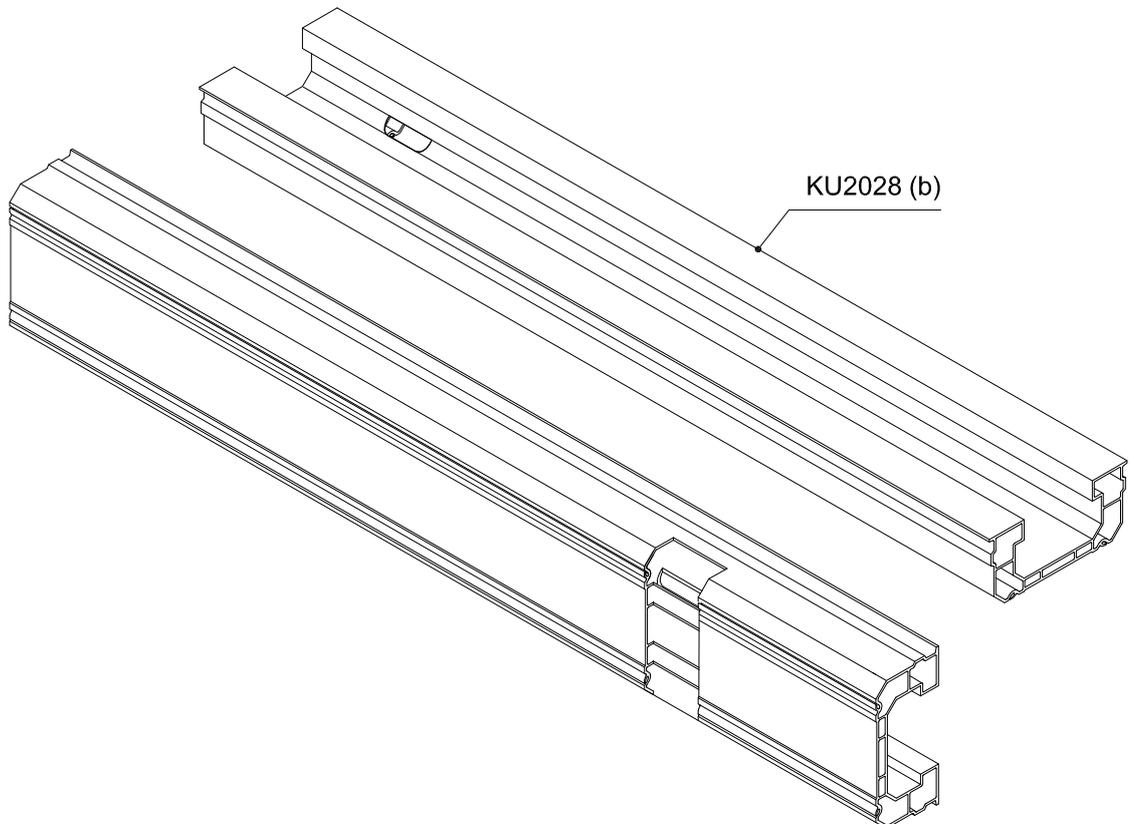
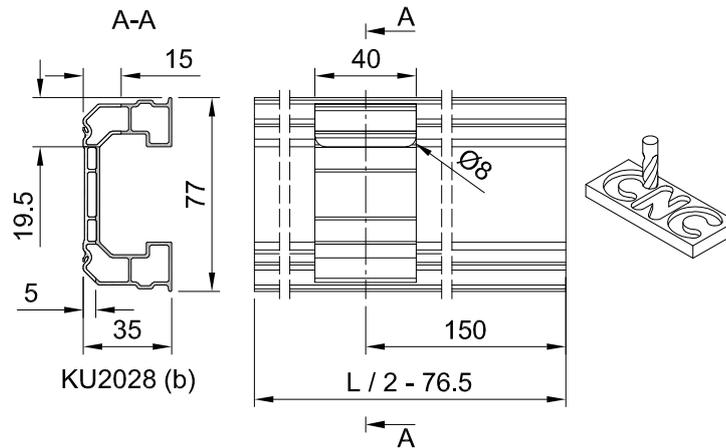
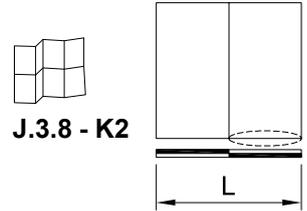
KU2028 LAVORAZIONE DRENAGGIO - K1

9 / 11



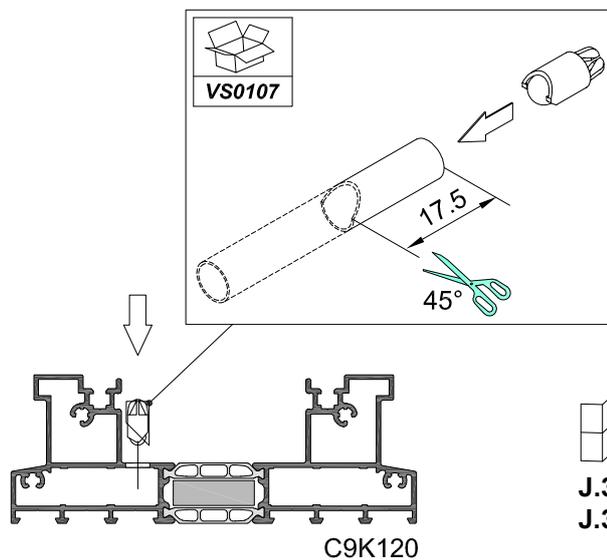
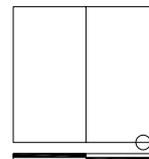
KU2028 LAVORAZIONE DRENAGGIO - K2

10 / 11

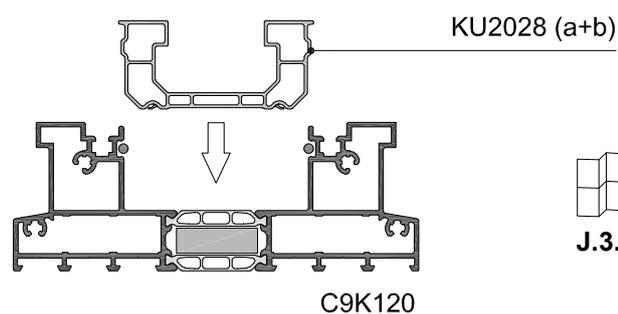
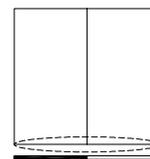
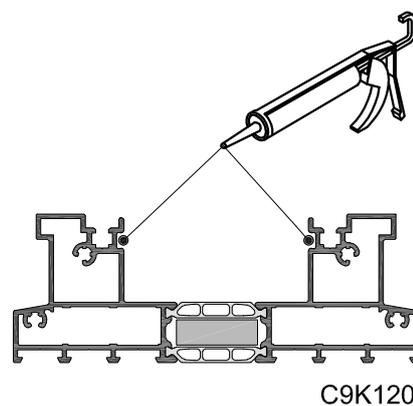


ASSEMBLAGGIO VS0107 E KU2028 SU C9K020 PROFILATO INFERIORE C9K120

11 / 11



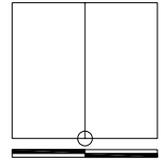
J.3.8 - G
J.3.14



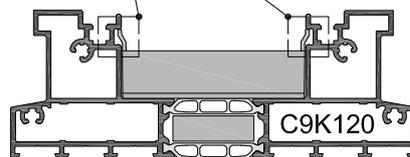
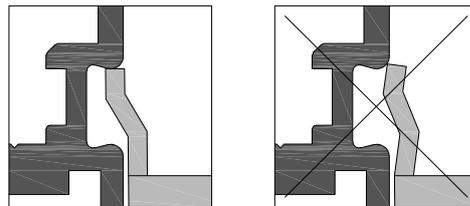
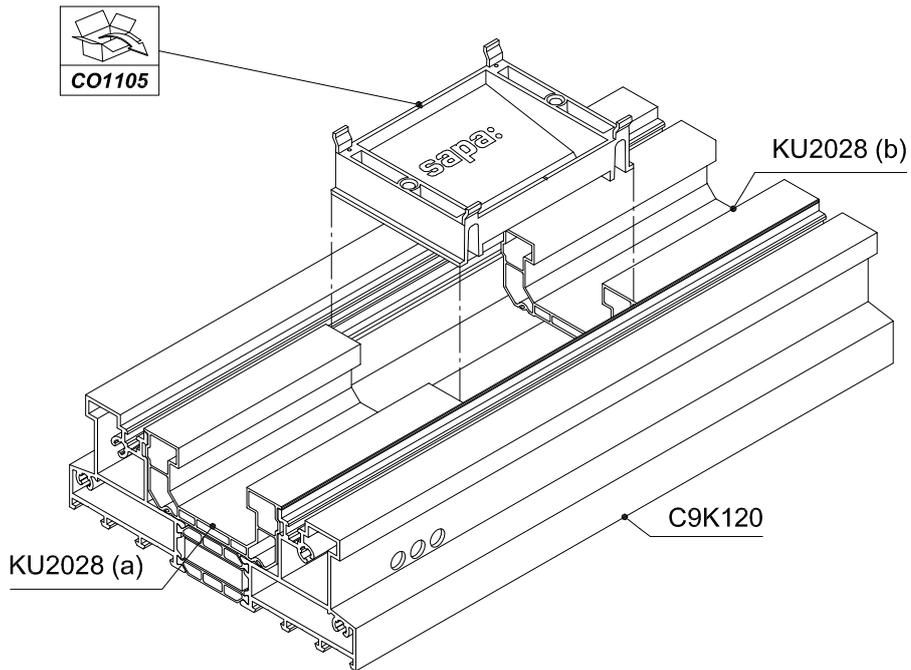
J.3.8

ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE C9K120

1 / 2



J.3.2 - D
J.3.37

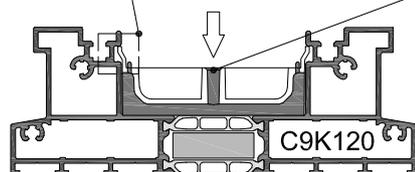
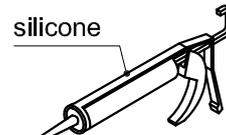
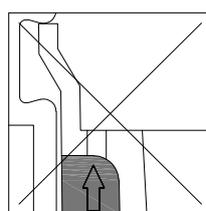
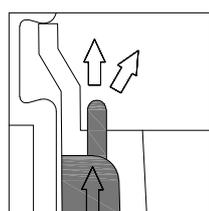
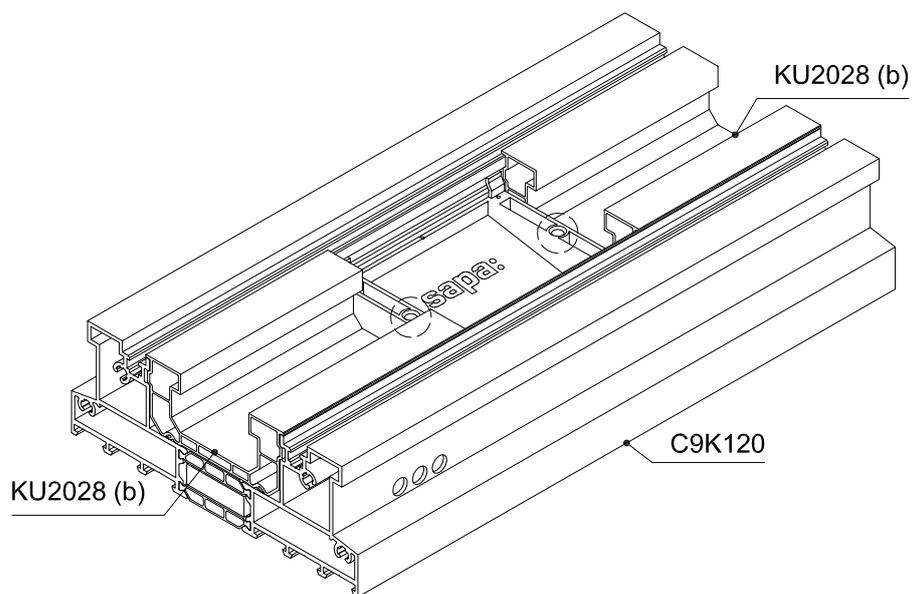
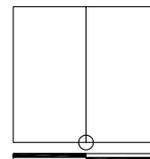


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K120

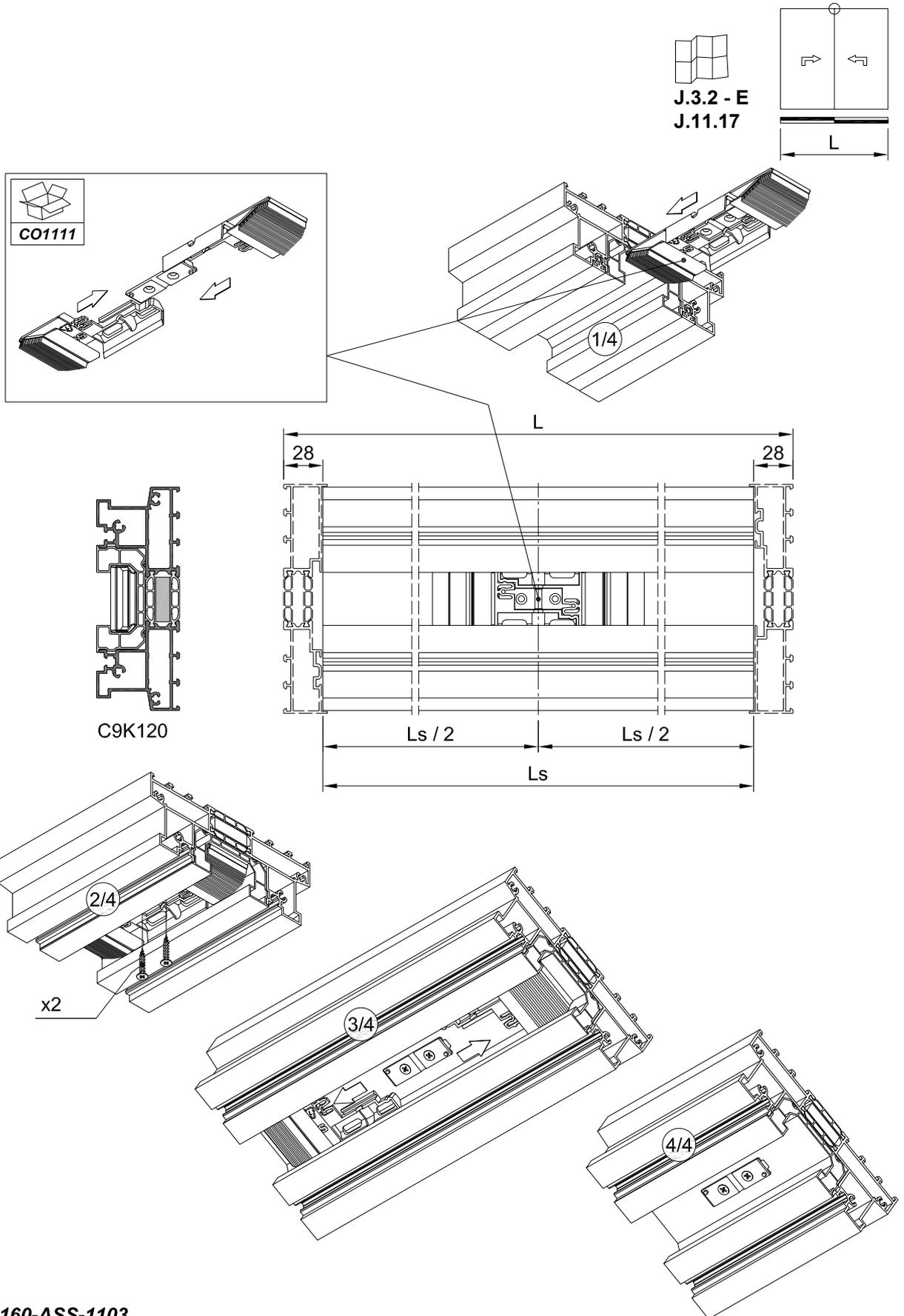
2 / 2



J.3.2 - D
J.3.37



ASSEMBLAGGIO TAPPO CENTRALE CO1111 PROFILATO SUPERIORE C9K120

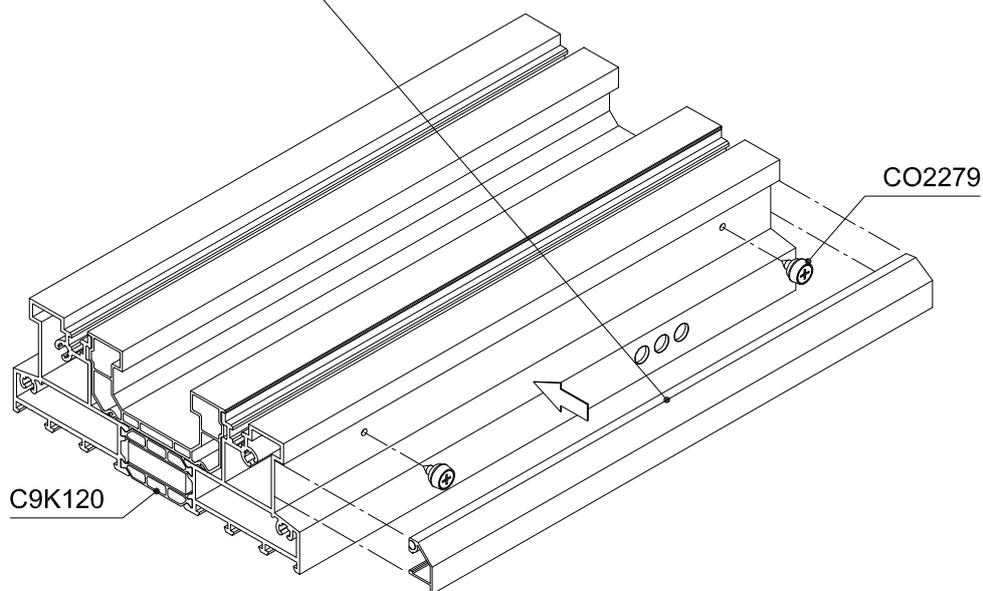
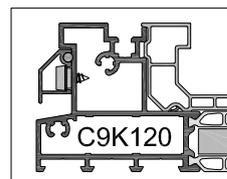
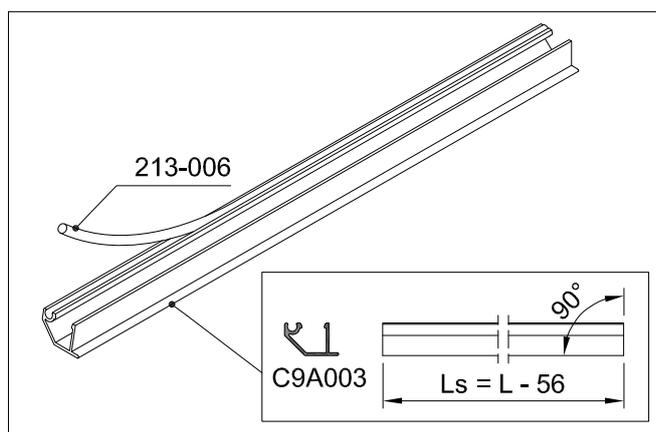
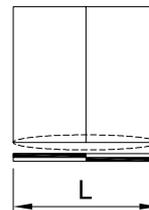
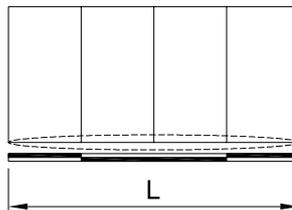


C160-ASS-1103

ASSEMBLAGGIO CAPPETTA DI DRENAGGIO C9A003



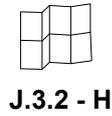
J.3.2 - B
J.3.7



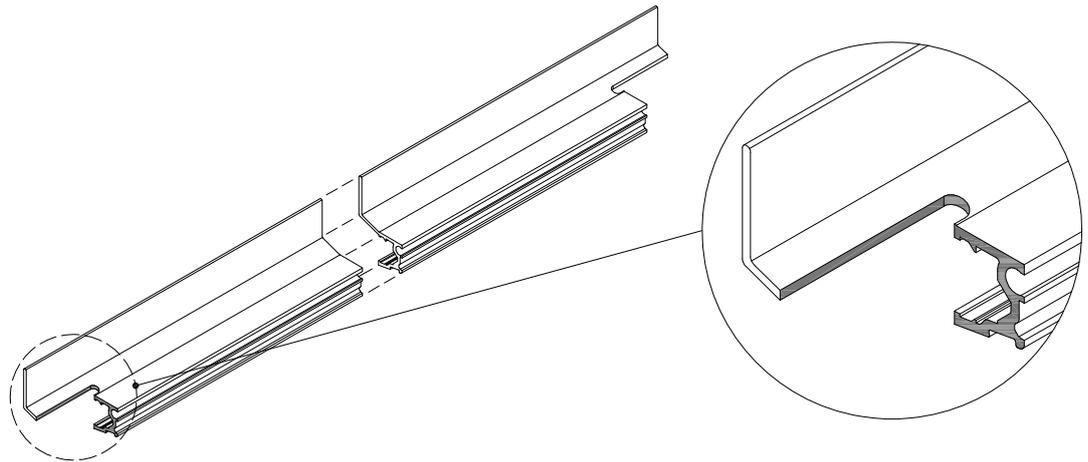
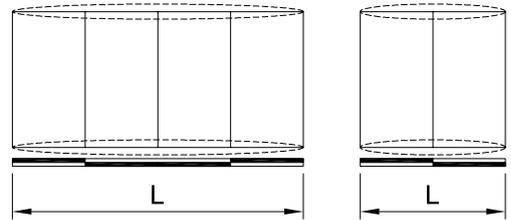
2-BINARI TELAIO TAGLI 90°

OPERAZIONI C9A004

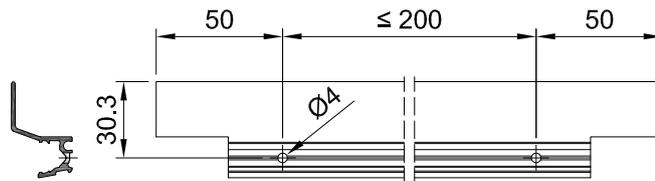
1 / 2



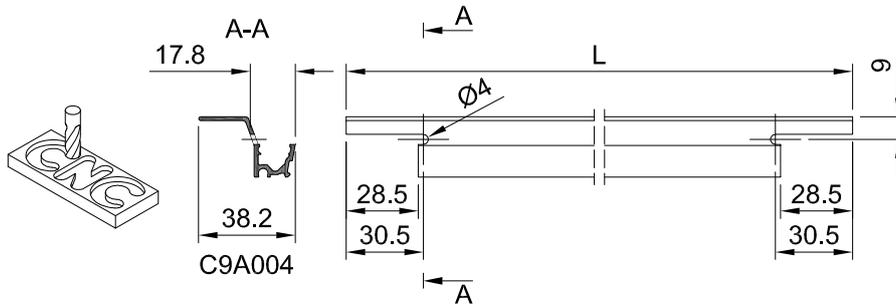
J.3.2 - H



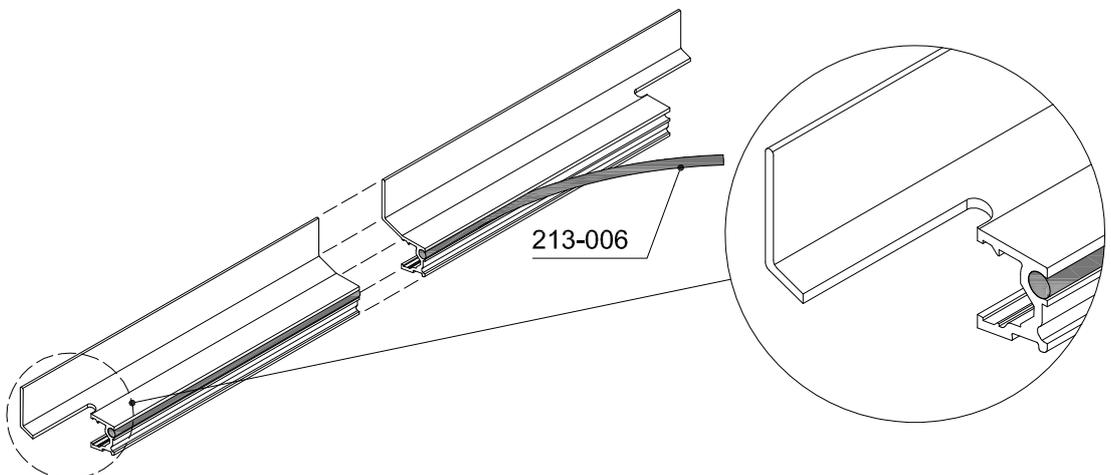
1/3



2/3

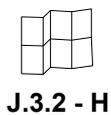


3/3

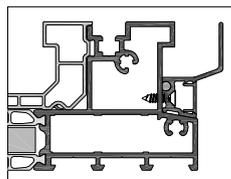
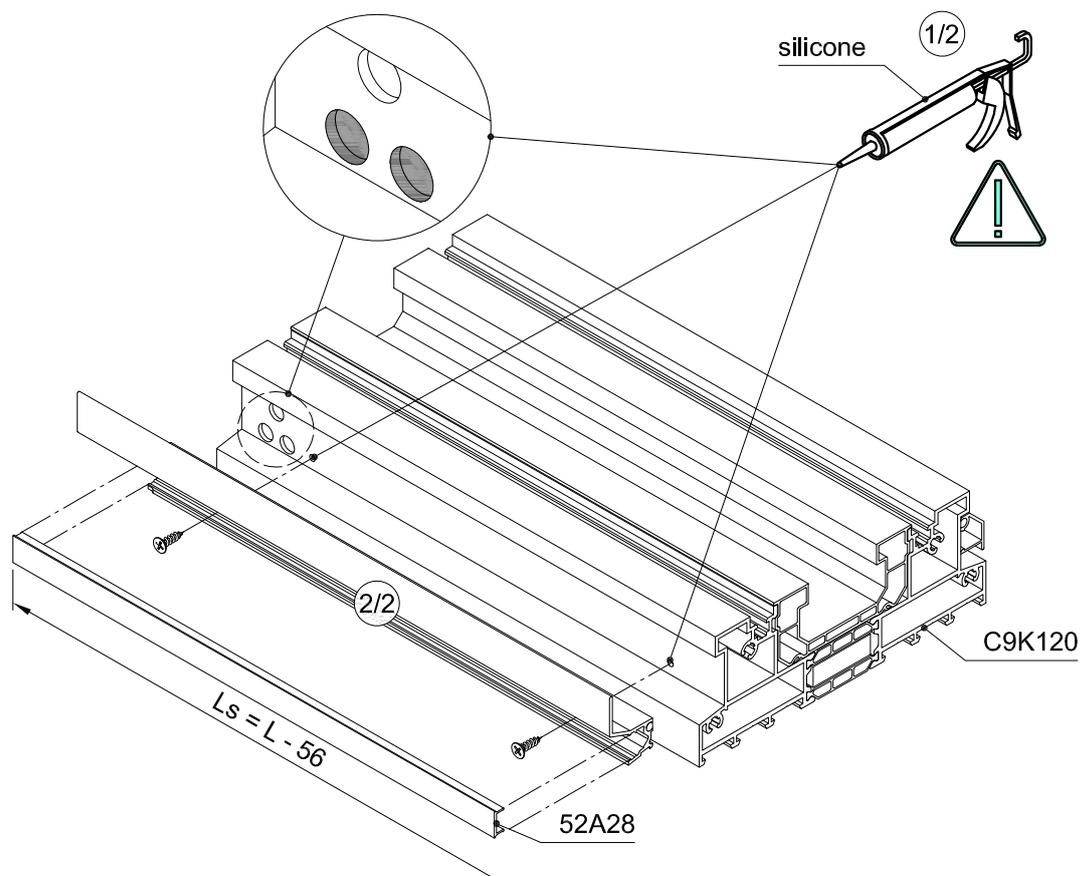
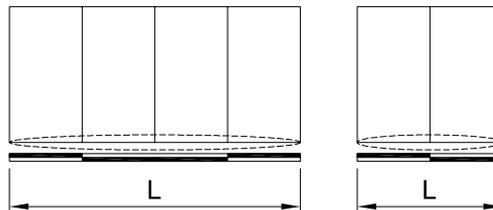


ASSEMBLAGGIO C9A004

2 / 2



J.3.2 - H

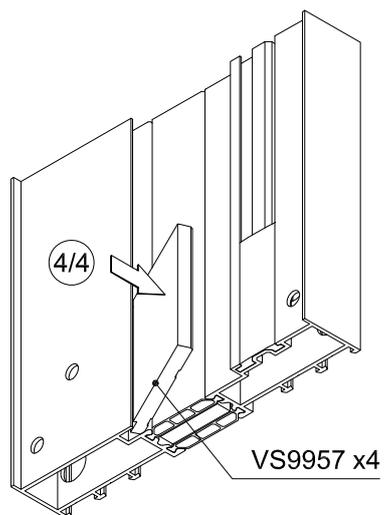
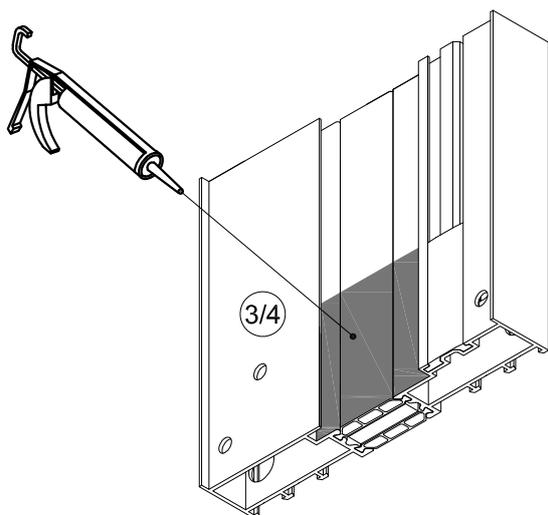
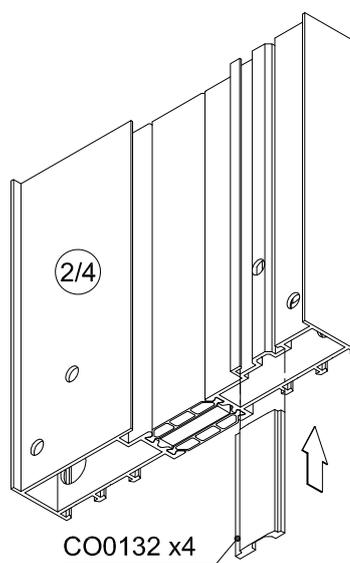
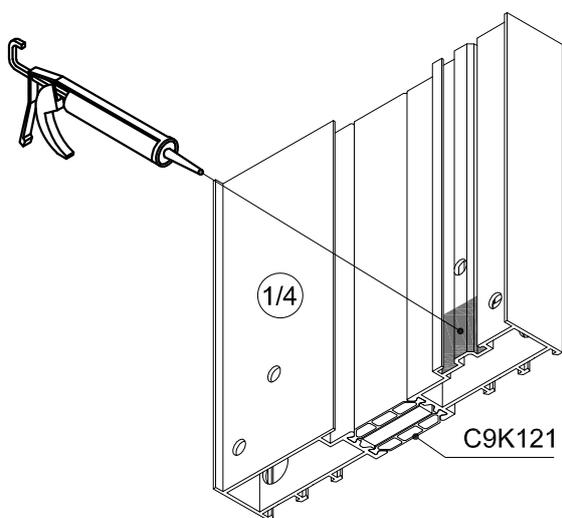
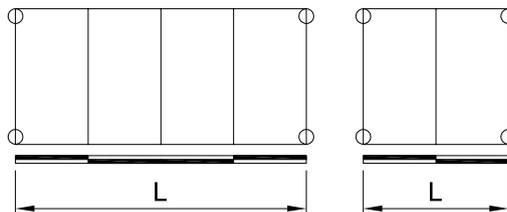


ASSEMBLAGGIO CO0132 E VS9957 SU C9K121

1 / 3



J.3.2 - A
J.3.5

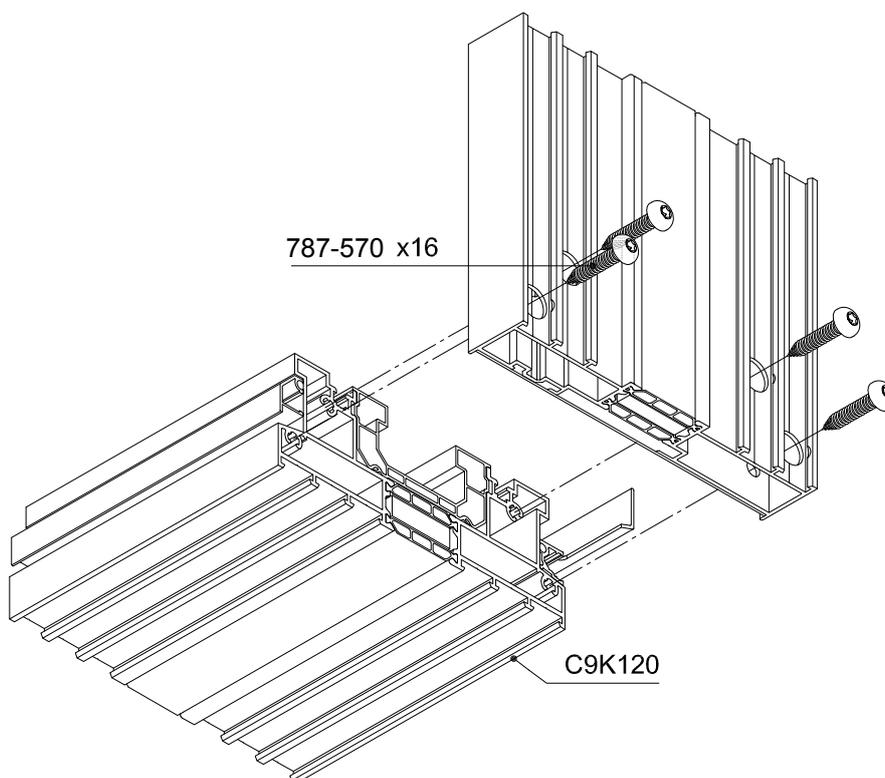
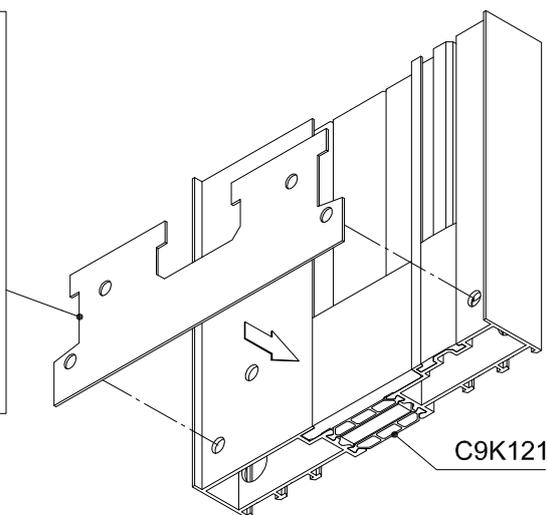
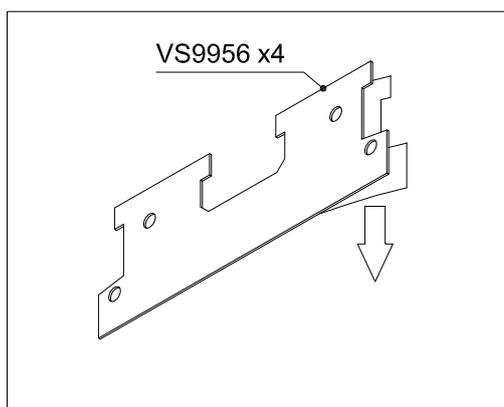
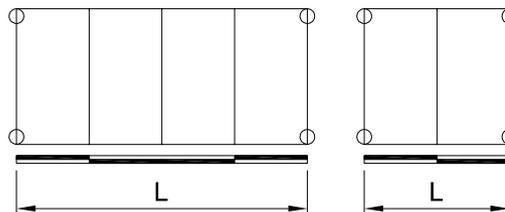


ASSEMBLAGGIO VS9999 SU C9K121 E ASSEMBLAGGIO TELAIO

2 / 3



J.3.2 - A
 J.3.5

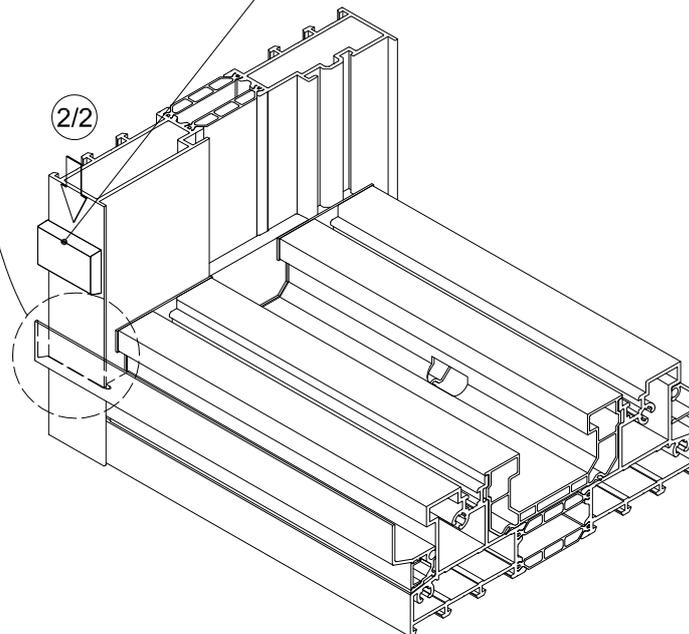
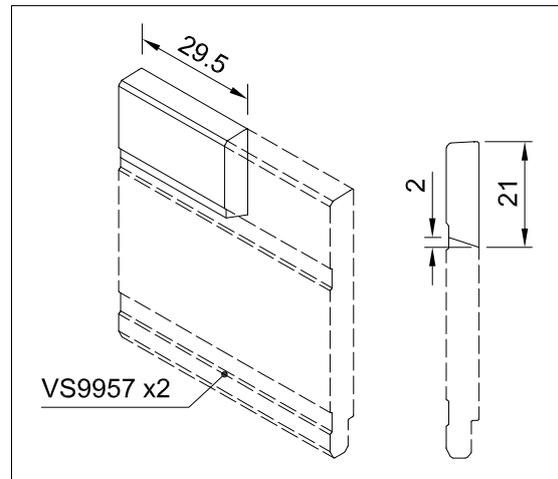
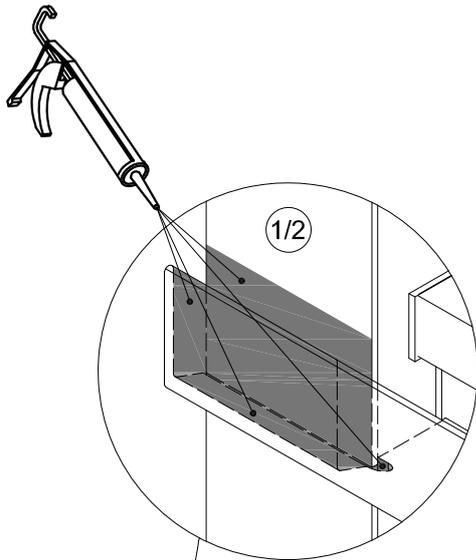
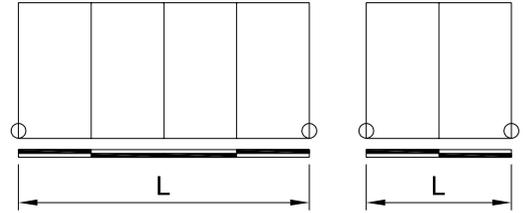


SIGILLATURA C9A004

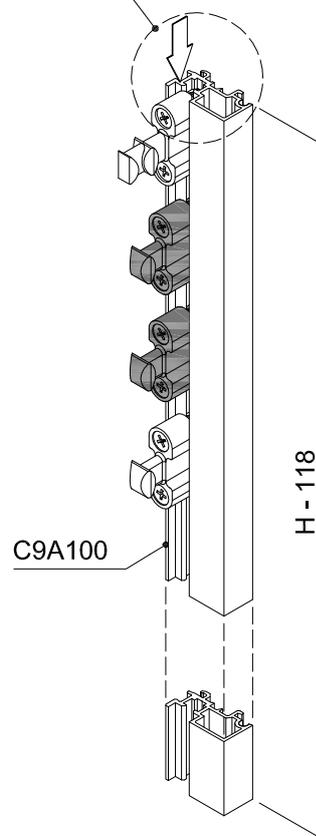
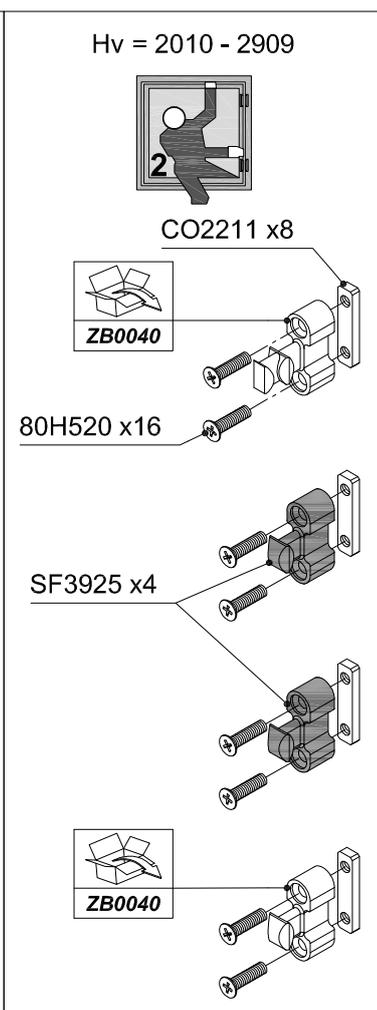
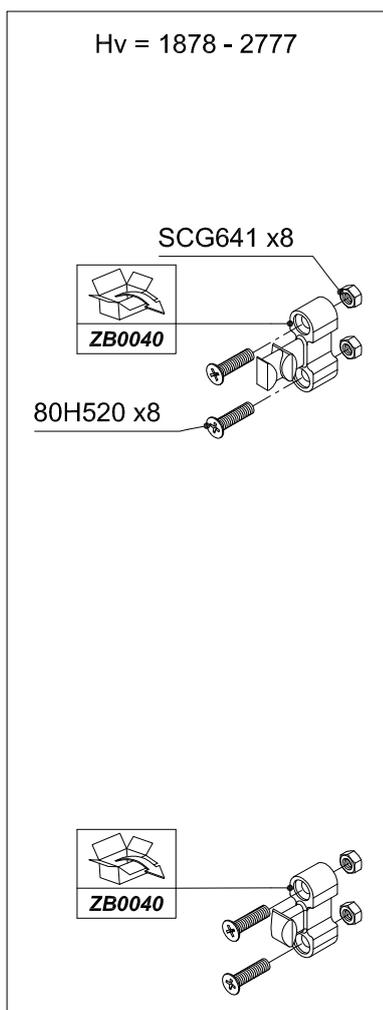
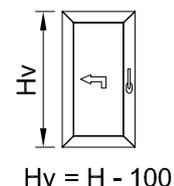
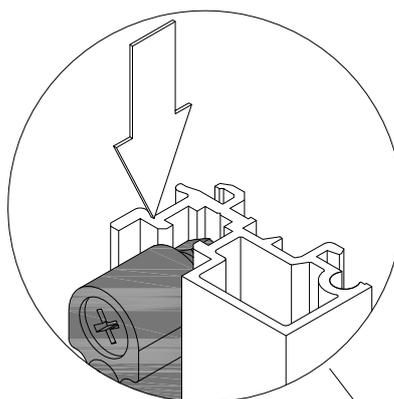
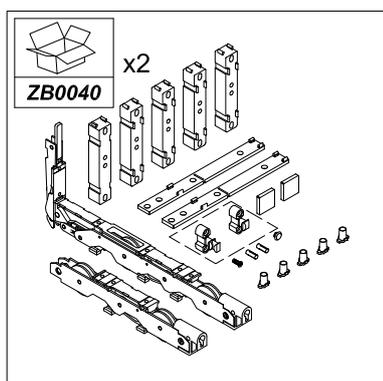
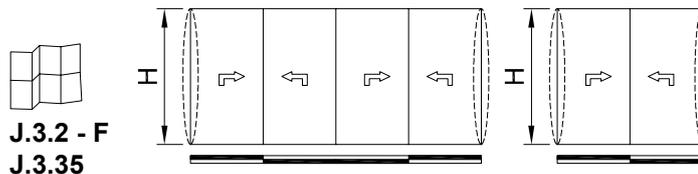
3 / 3



J.3.2 - A
J.3.5



ASSEMBLAGGIO PUNTI DI CHIUSURA (ZB0034/ZB0035/ZB0036)

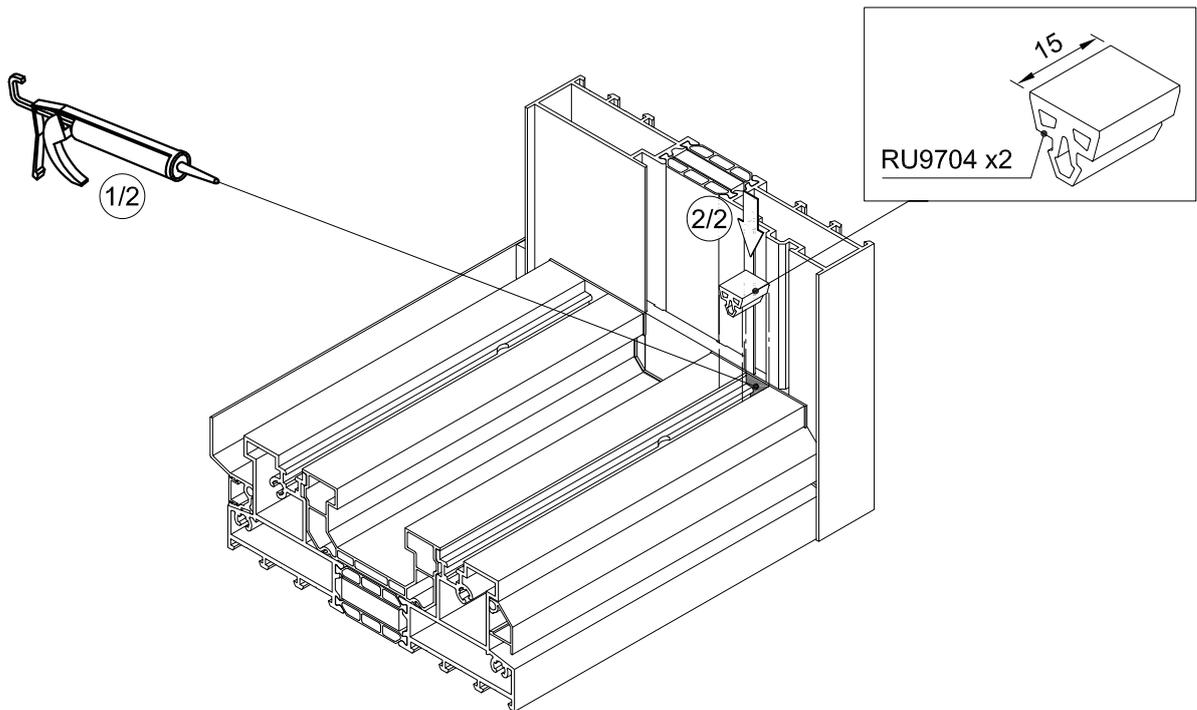
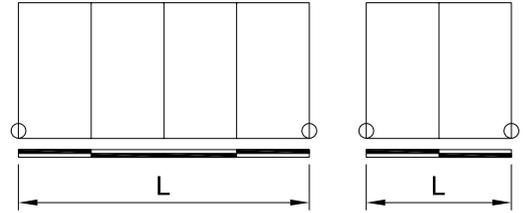


ASSEMBLAGGIO RU9704

1 / 3



J.3.2 - G

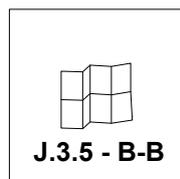
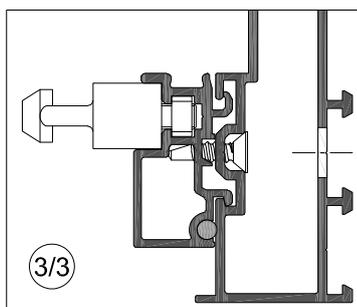
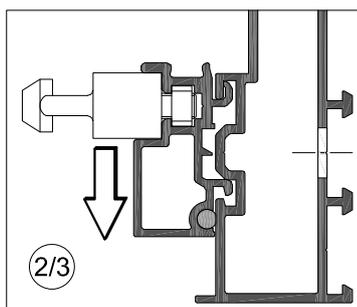
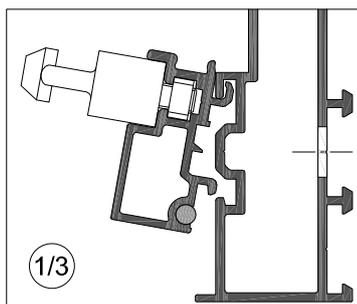
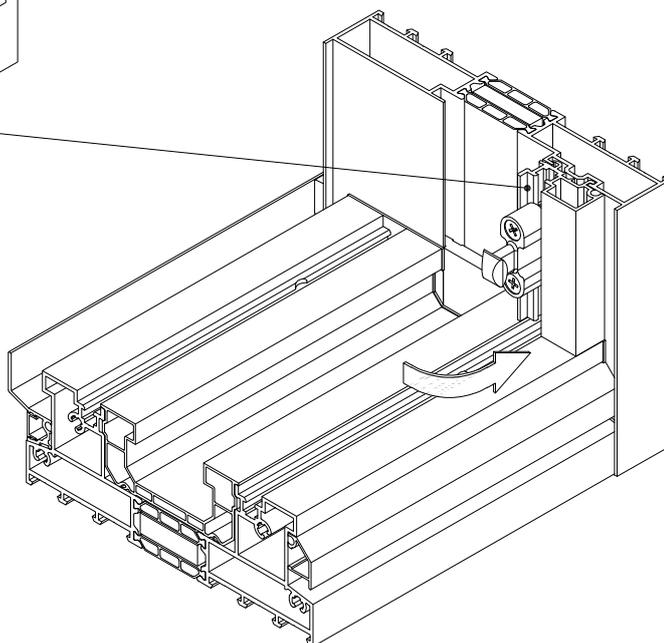
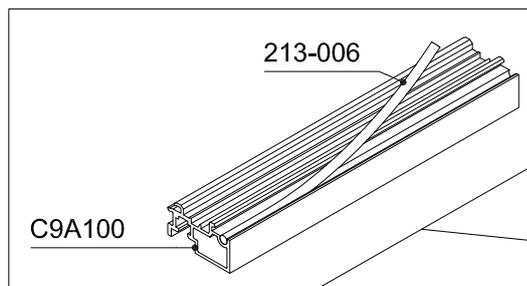
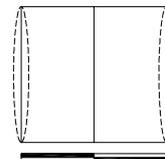
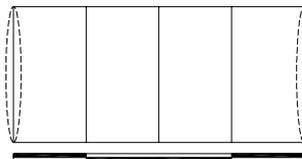


ASSEMBLAGGIO C9A100

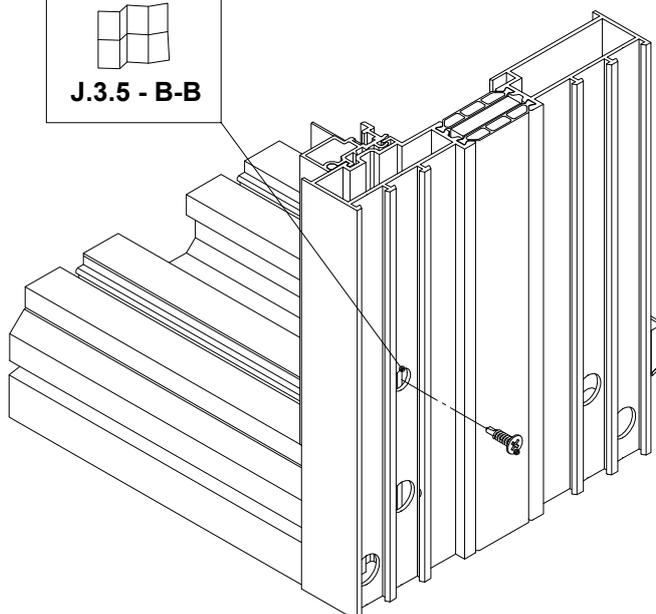
2 / 3



J.3.2 - G

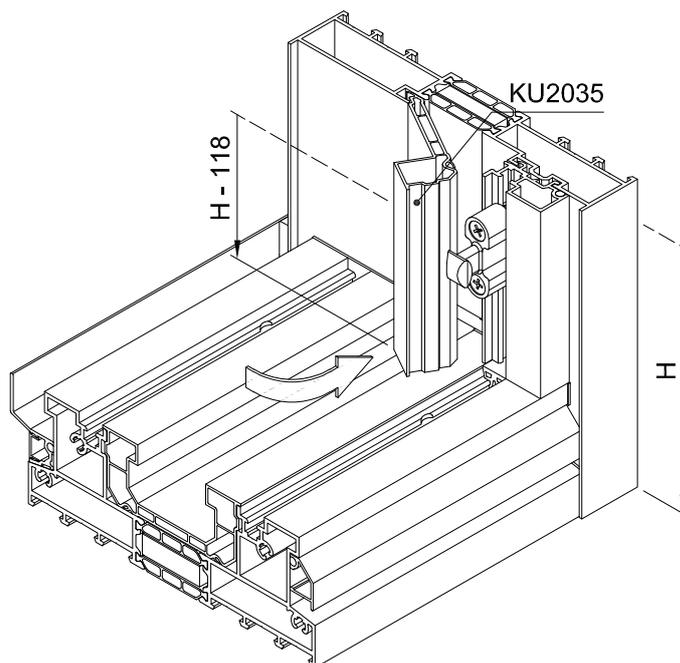
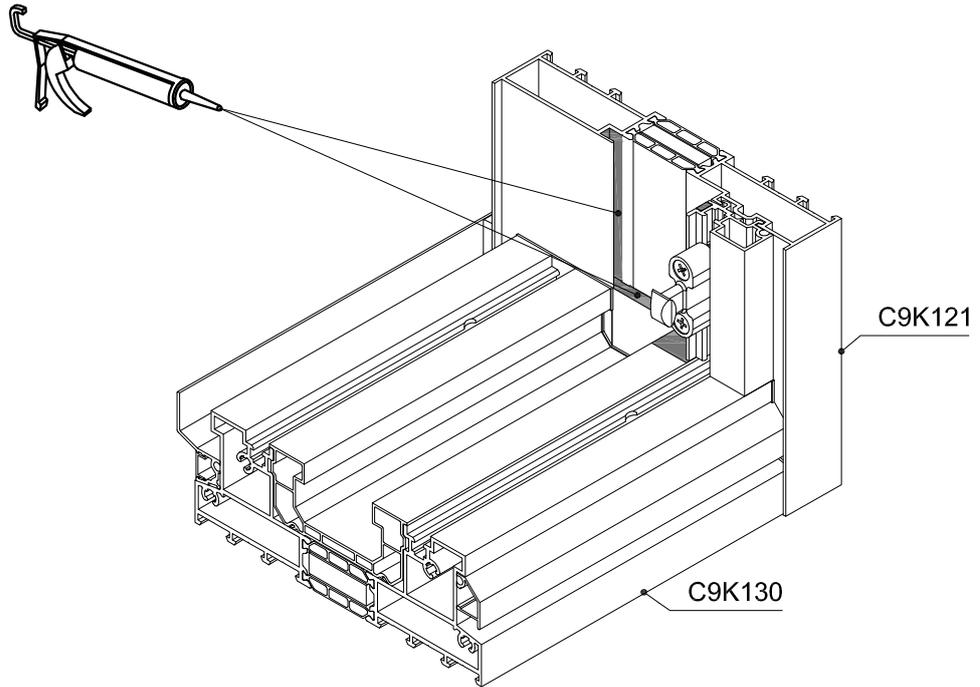
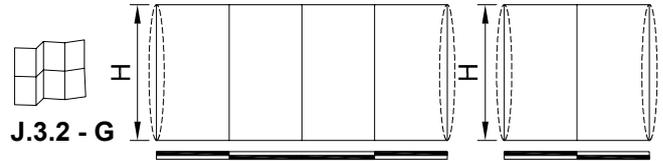


J.3.5 - B-B



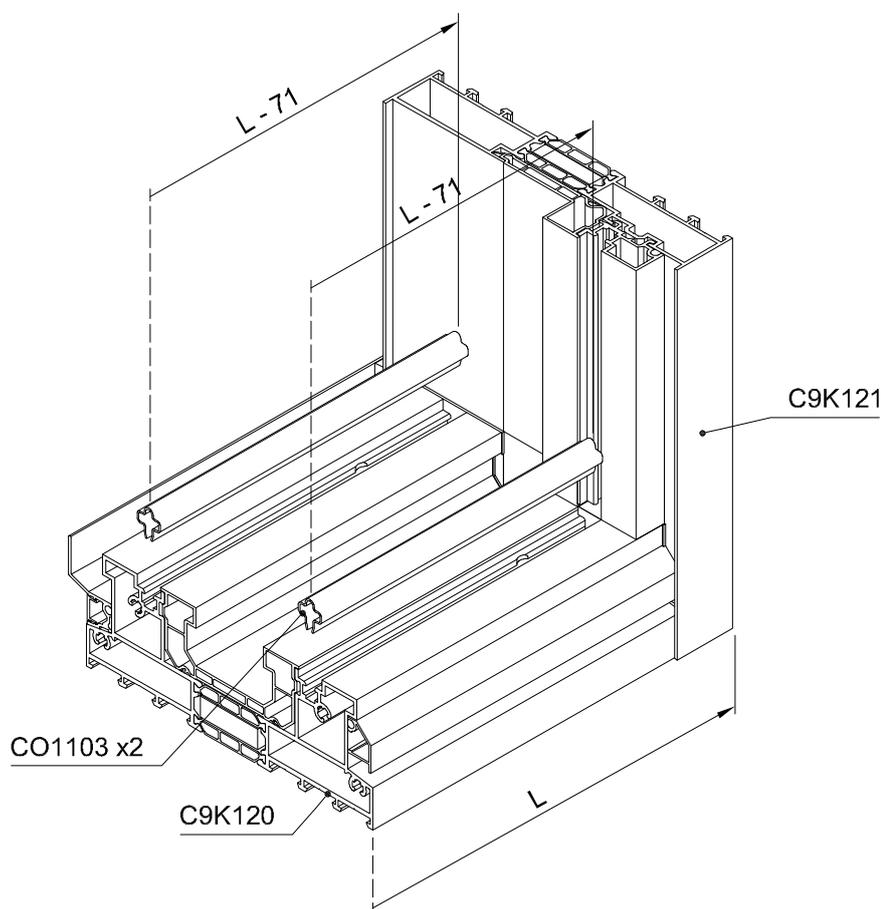
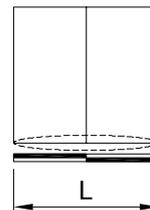
ASSEMBLAGGIO KU2035

3 / 3



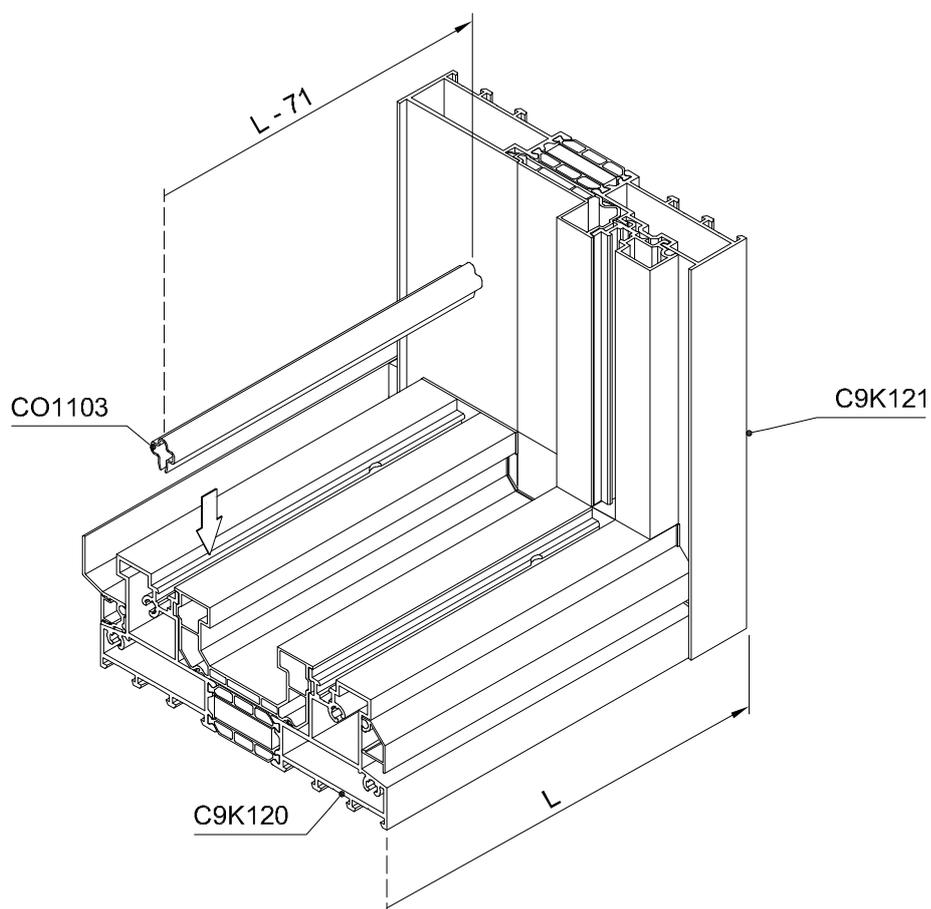
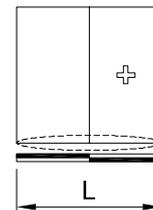
ASSEMBLAGGIO CO1103

1 / 3



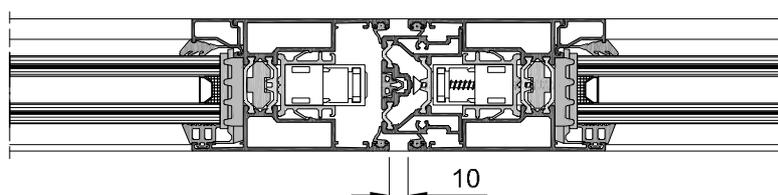
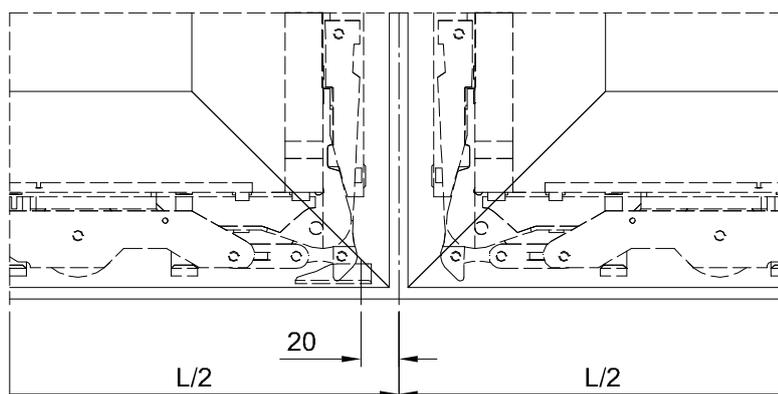
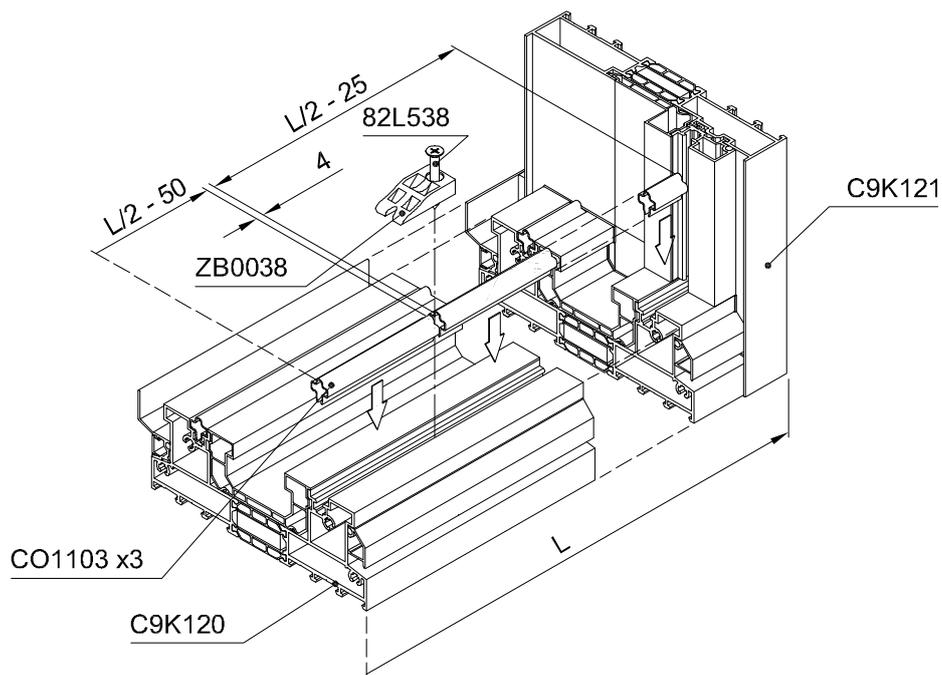
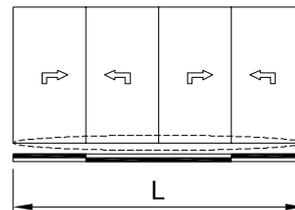
ASSEMBLAGGIO CO1103 CON 1 ANTA FUNZIONALE

2 / 3



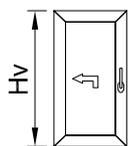
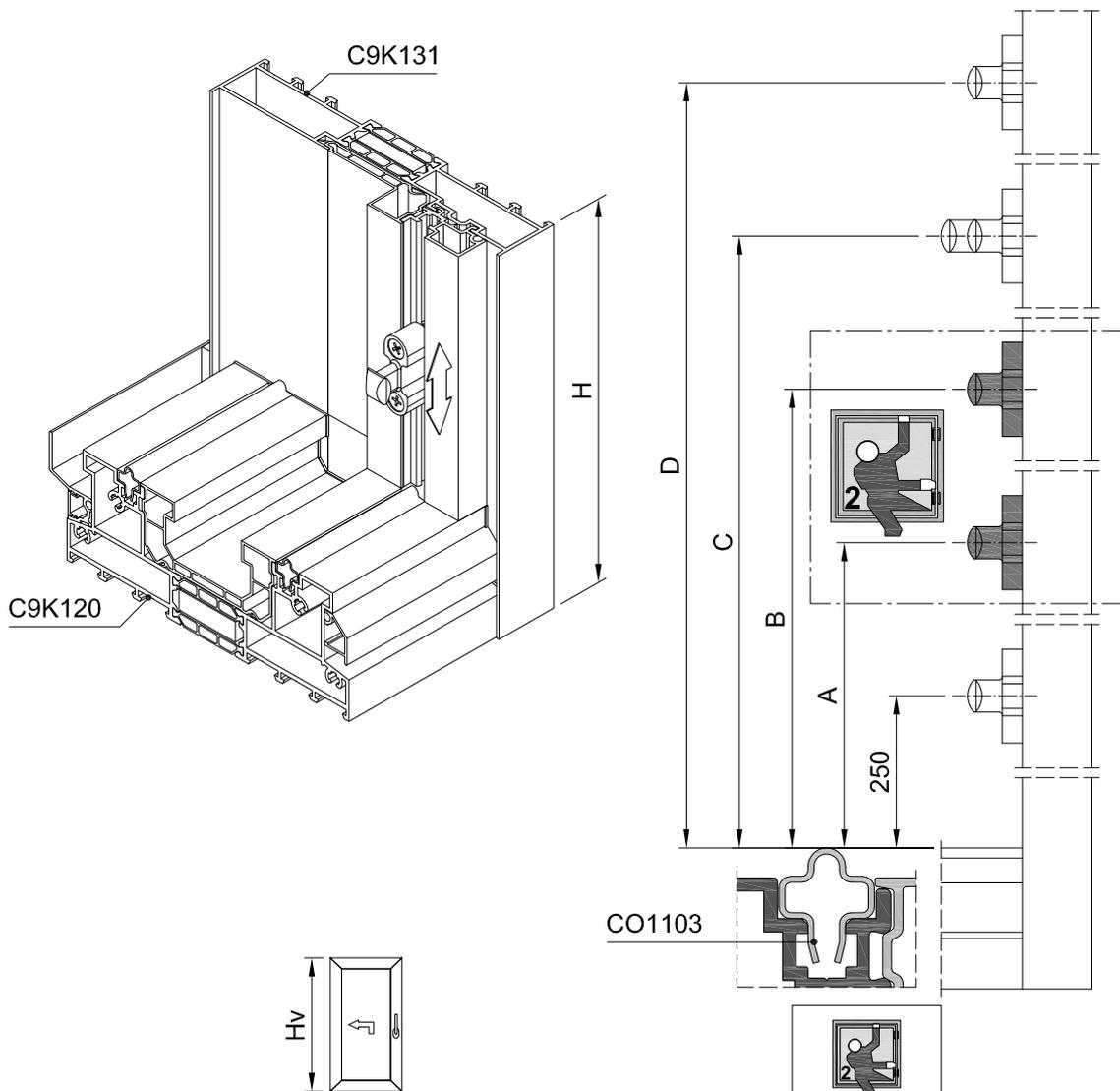
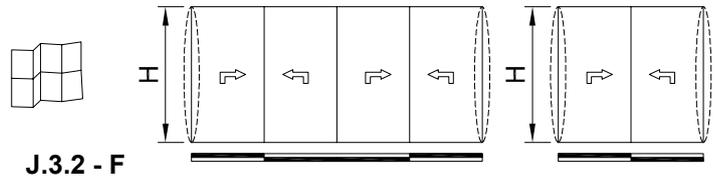
ASSEMBLAGGIO CO1103 E ZB0038 PER SCHEMA 4 ANTE

3 / 3



2-BINARI TELAIO TAGLI 90°

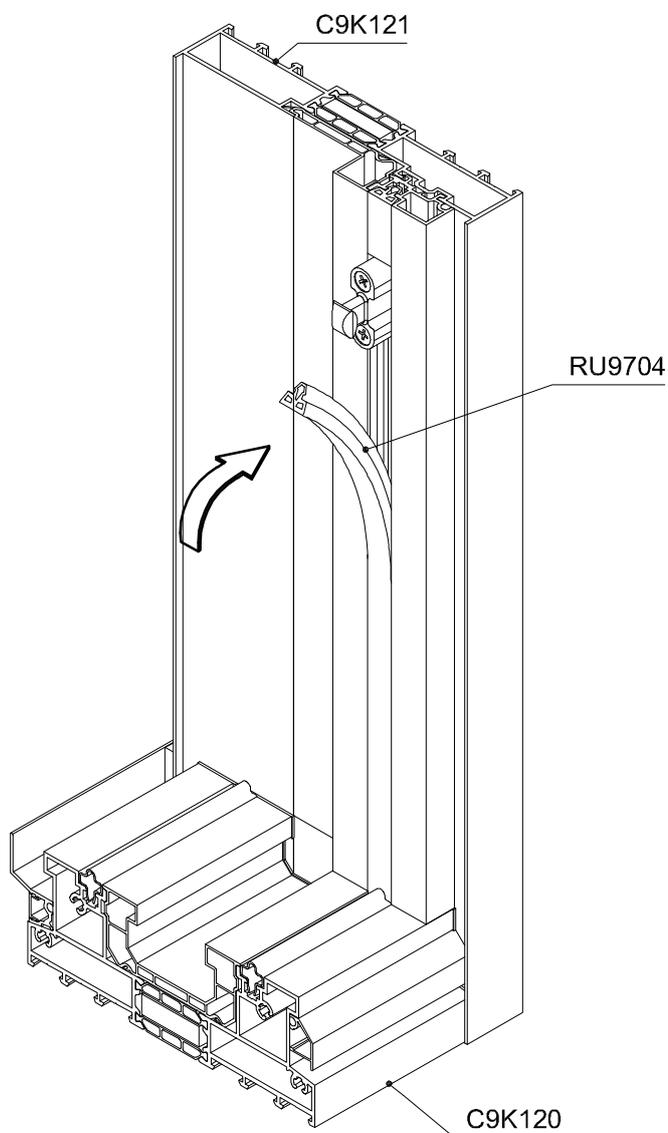
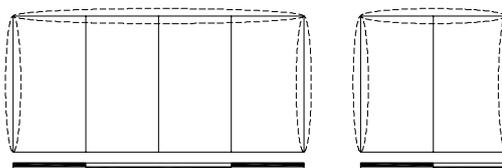
ASSEMBLAGGIO PUNTI DI CHIUSURA



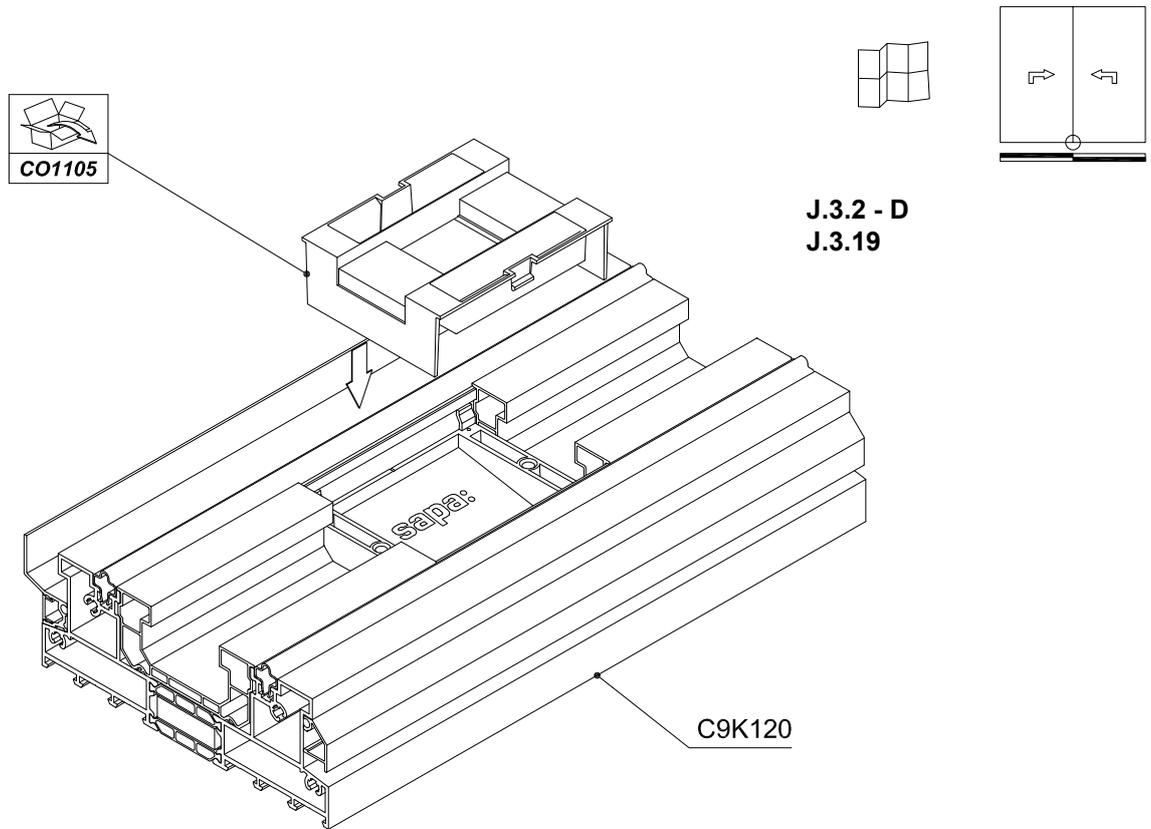
$$H_v = H - 100$$

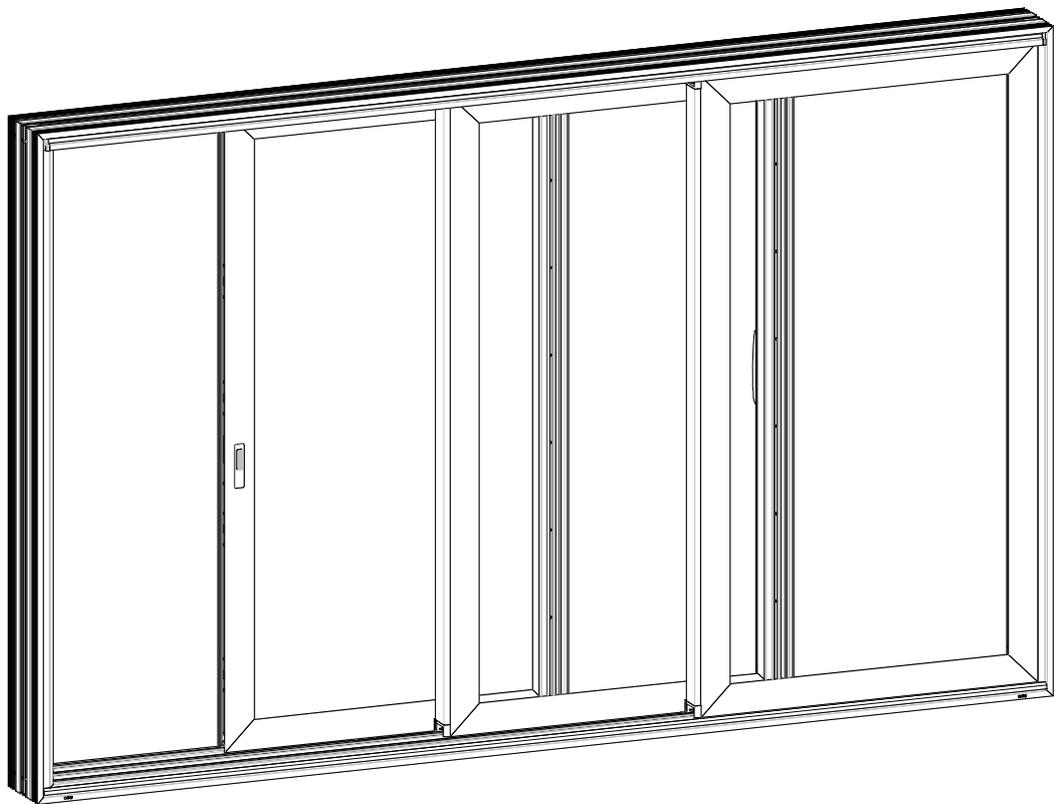
| | Hv | | A | B | C | D |
|--|-------------|-----------------|-----|------|------|----------|
| | 2010 - 2309 | ZB0034 | 750 | 1200 | 1600 | Hv - 271 |
| | 2310 - 2609 | ZB0035 | | | 1900 | |
| | 2610 - 2909 | ZB0036 | | | 2200 | |
| | 2910 - 3209 | ZB0035 + ZB0046 | | | 1900 | |
| | 3210 - 3509 | ZB0036 + ZB0046 | | | 2200 | |
| | 1312 - 2009 | ZB0033 | | 600 | 1000 | |

ASSEMBLAGGIO GUARNIZIONE DI FINITURA RU9704

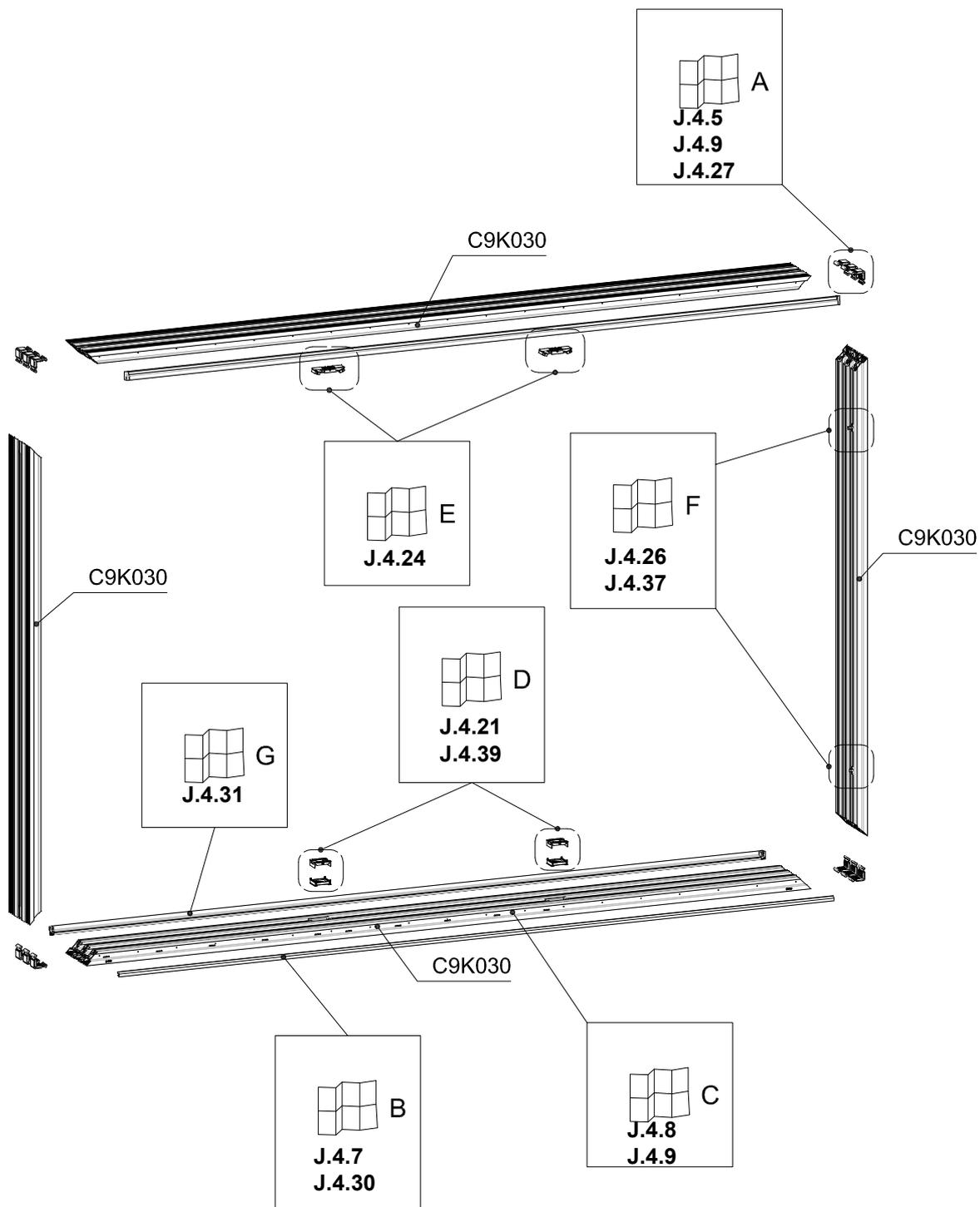


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K120



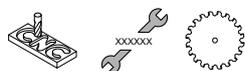


PANORAMICA ASSEMBLAGGIO



CONTENUTO

| | |
|---------------------------------|-------|
| 3-binari telaio tagli 45° | J.4.1 |
| Panoramica assemblaggio | J.4.2 |
| Contenuto | J.4.3 |



| | |
|--|-------|
| Operazioni C9K030 + KU2028 e assemblaggio BT6006 | J.4.4 |
| Operazioni squadrette per C9K030 | J.4.5 |



| | |
|--|--------|
| Operazioni C9K030 per cappetta di drenaggio C9A003 | J.4.7 |
| C9K030 panoramica drenaggi | J.4.8 |
| KU2028 panoramica drenaggi | J.4.9 |
| C9K030 lavorazione drenaggio - J | J.4.10 |
| C9K030 lavorazione drenaggio - H1, H2 | J.4.11 |
| C9K030 lavorazione drenaggio - B, D | J.4.12 |
| C9K030 lavorazione drenaggio - A, C | J.4.13 |
| C9K030 lavorazione drenaggio - G | J.4.14 |
| C9K030 lavorazione drenaggio - M | J.4.15 |
| KU2028 lavorazione drenaggio - K1, K2 | J.4.16 |
| KU2028 lavorazione drenaggio - K3 | J.4.17 |
| KU2028 lavorazione drenaggio - K4 | J.4.18 |
| KU2028 lavorazione drenaggio - K5 | J.4.19 |



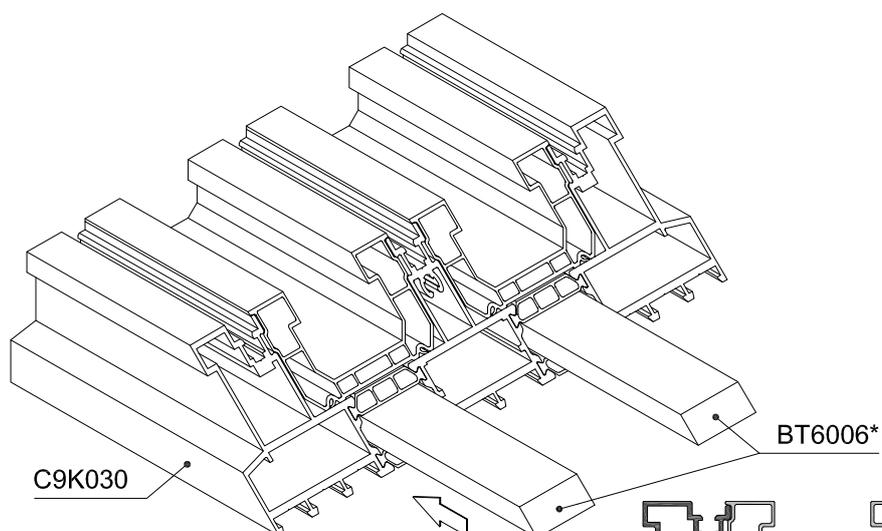
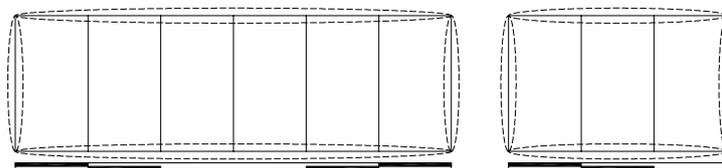
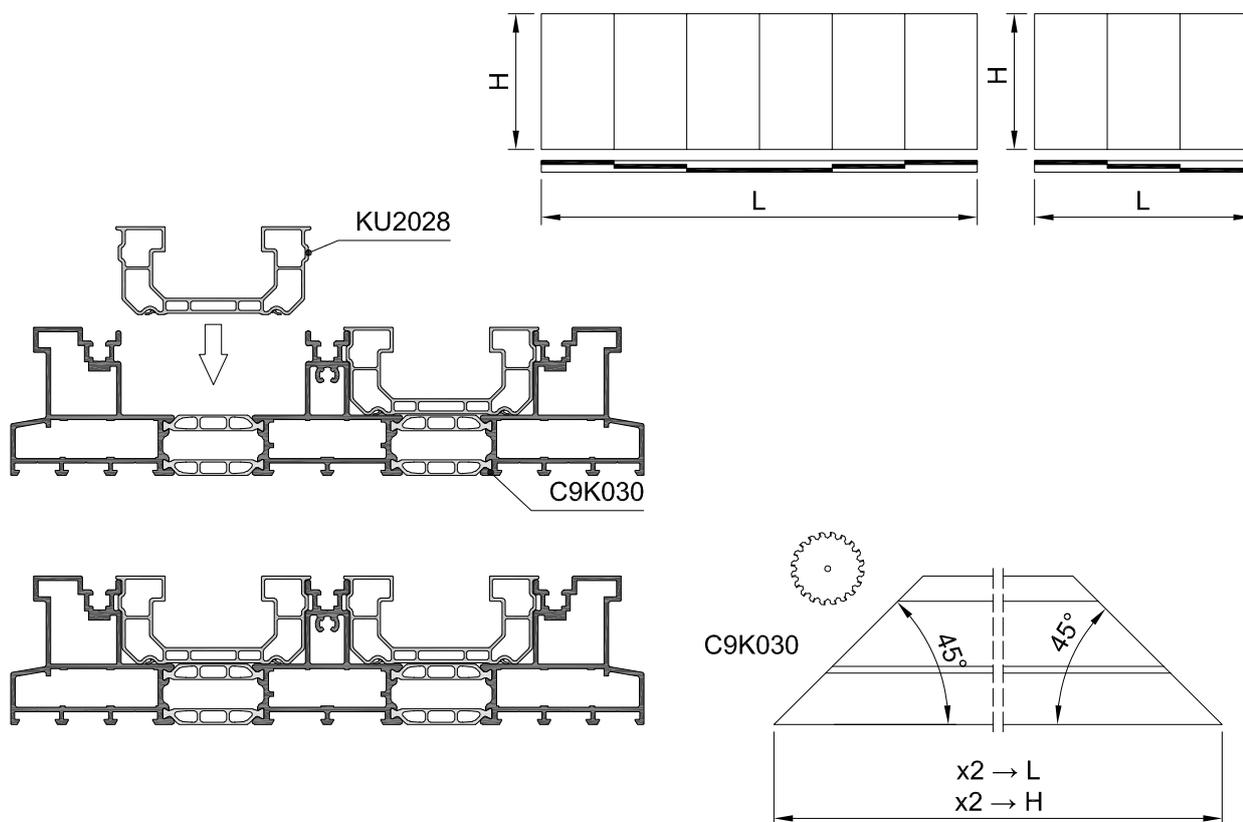
| | |
|--|--------|
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore | J.4.20 |
| Assemblaggio tappo centrale CO1105 profilato inferiore C9K030 | J.4.21 |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K030 | J.4.22 |
| Sigillatura profilato inferiore C9K030 con VS9950/VS9951/VS9964 e VS9965 | J.4.23 |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K030 | J.4.24 |



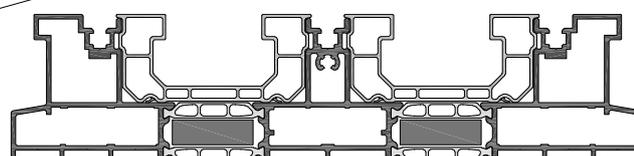
| | |
|--|--------|
| Assemblaggio profilati telai con squadrette | J.4.27 |
| Assemblaggio cappetta di drenaggio C9A003 | J.4.30 |
| Operazioni C9A004 + VS2404 | J.4.31 |
| Assemblaggio C9A004 + VS2404 | J.4.32 |
| Assemblaggio C9A004 + VS2404 - optional | J.4.33 |
| Assemblaggio guida CO1103 | J.4.34 |
| Assemblaggio guida CO1103 per fisso-scorrevole-fisso | J.4.35 |
| Assemblaggio guida CO1103 e ZB0038 per schema 4 ante | J.4.36 |
| Assemblaggio punti di chiusura | J.4.37 |
| Assemblaggio guarnizione di finitura RU9704 | J.4.38 |
| Assemblaggio tappo centrale CO1105/CO1104 profilato inferiore C9K030 | J.4.39 |

3-BINARI TELAIO TAGLI 45°

OPERAZIONI C9K030 + KU2028 E ASSEMBLAGGIO BT6006



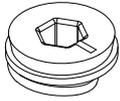
| BT6006 | |
|--------|---|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |



3-BINARI TELAIO TAGLI 45°

OPERAZIONI SQUADRETTE PER C9K030

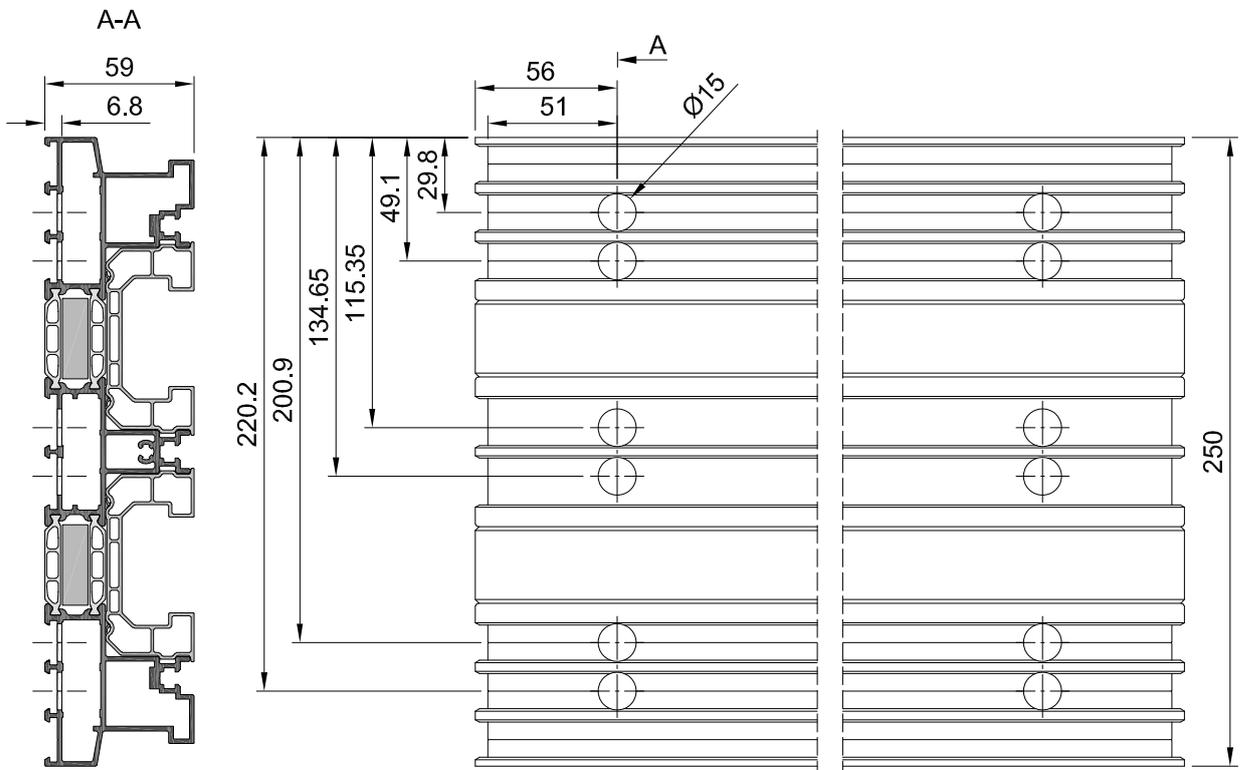
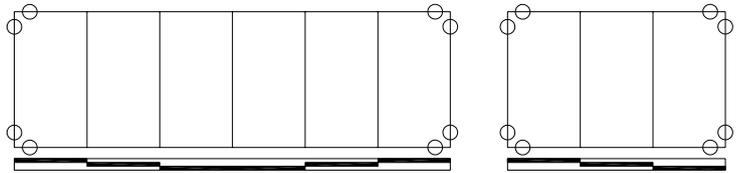
1 / 2



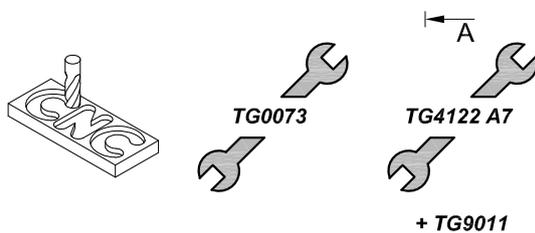
778-500



J.4.2 - A
J.4.27



C9K030

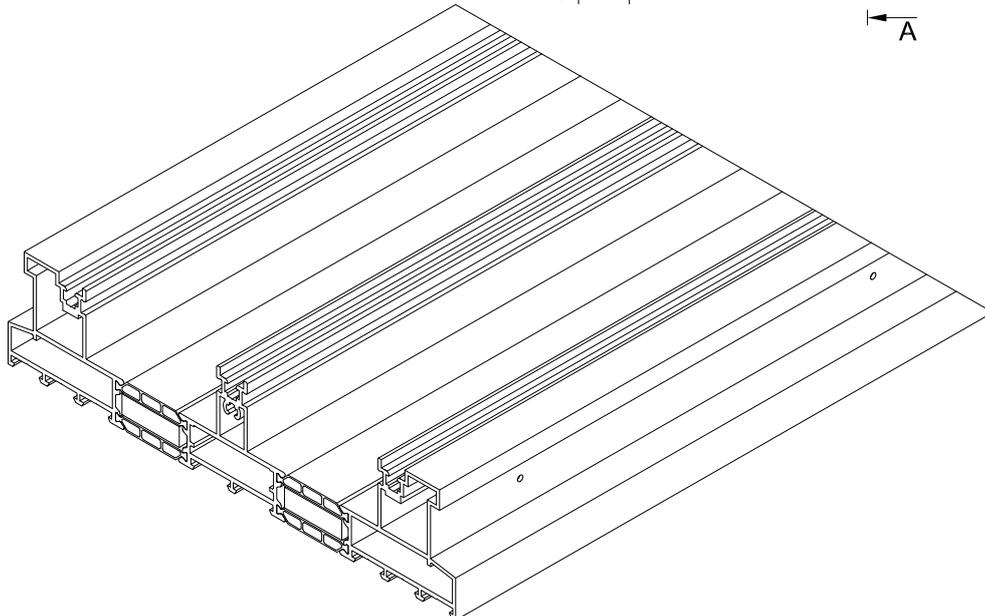
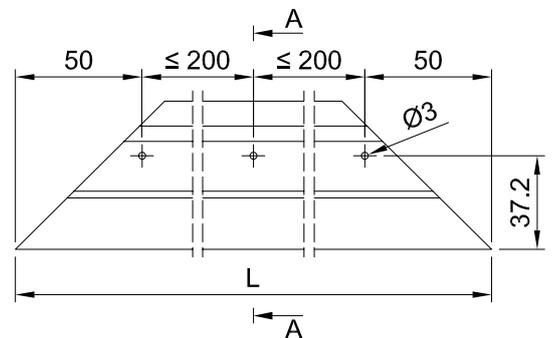
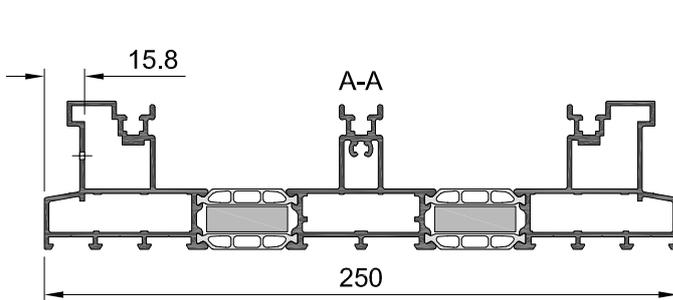
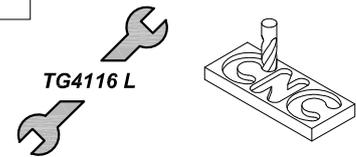
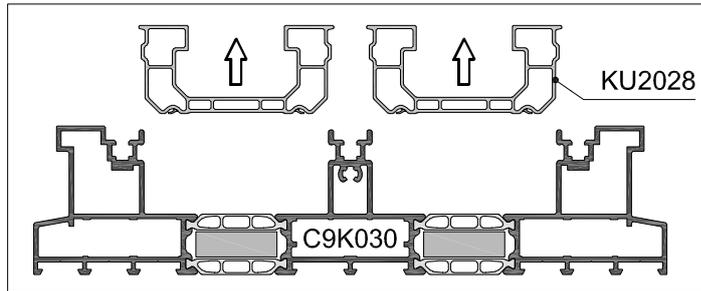
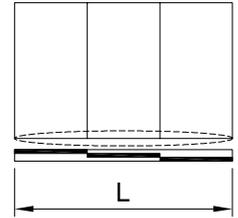
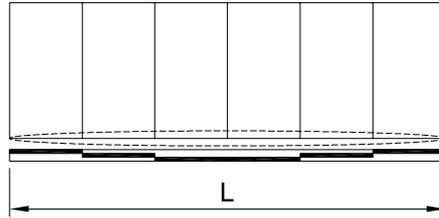


3-BINARI TELAIO TAGLI 45°

OPERAZIONI C9K030 PER CAPPETTA DI DRENAGGIO C9A003

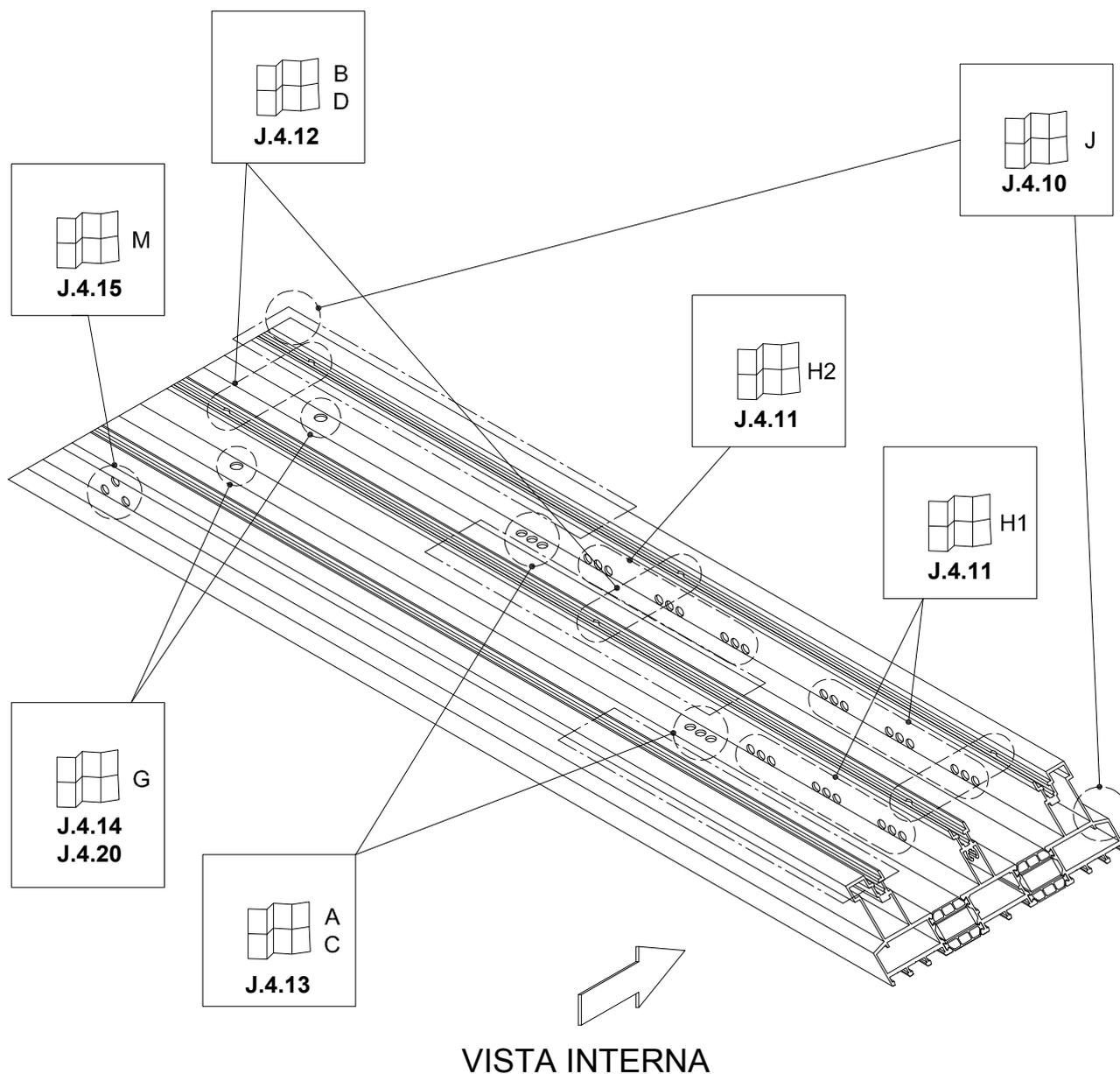
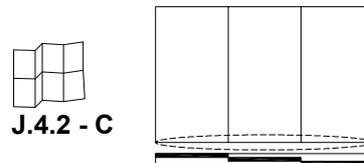


J.4.2 - B
J.4.30



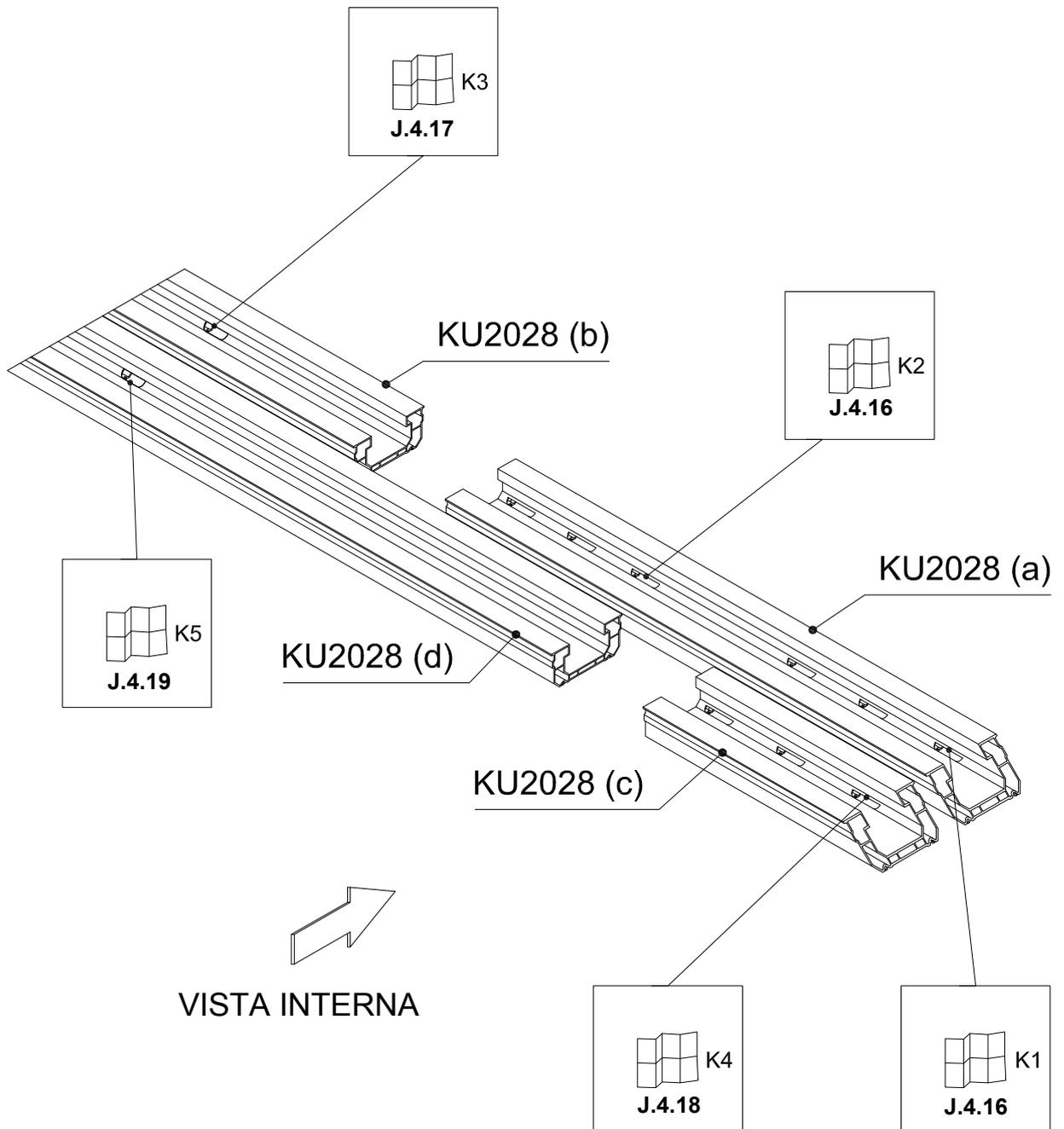
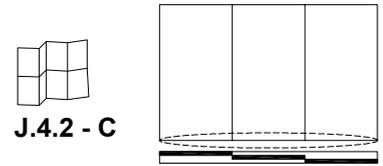
C9K030 PANORAMICA DRENAGGI

1 / 13



KU2028 PANORAMICA DRENAGGI

2 / 13

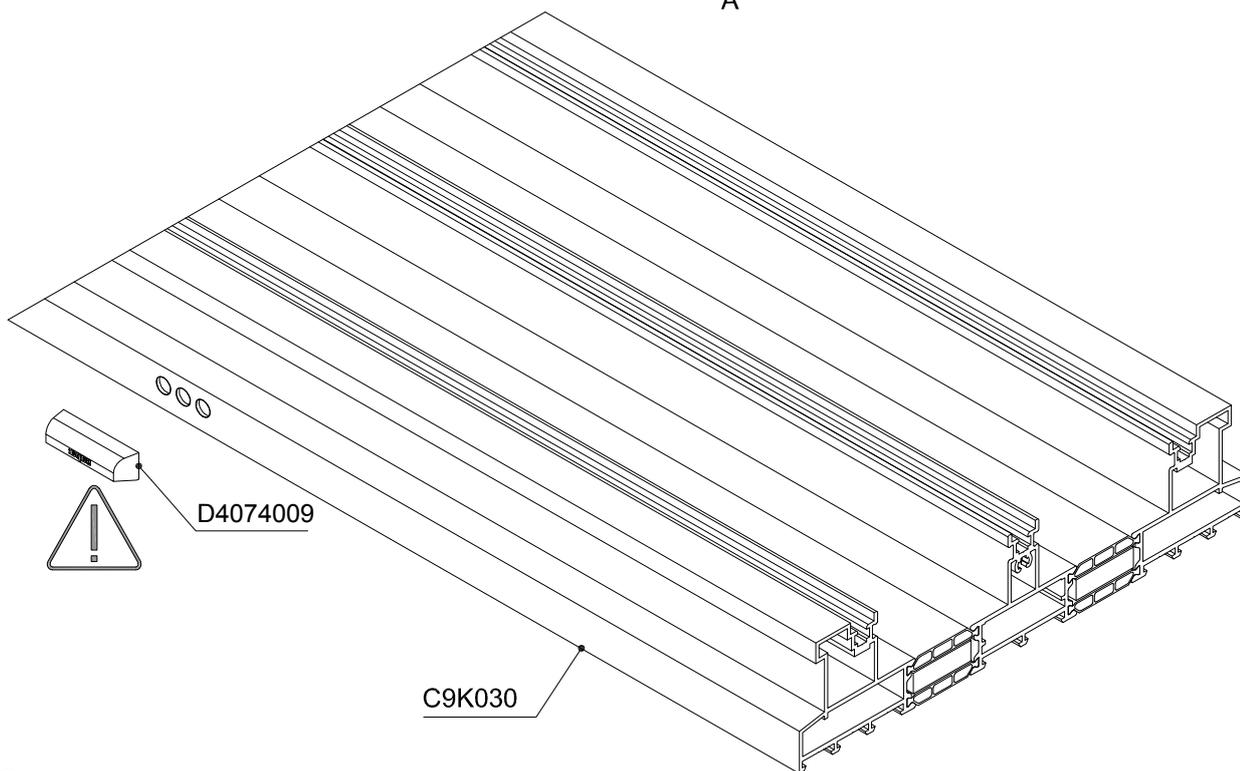
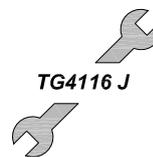
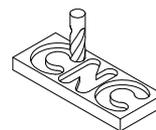
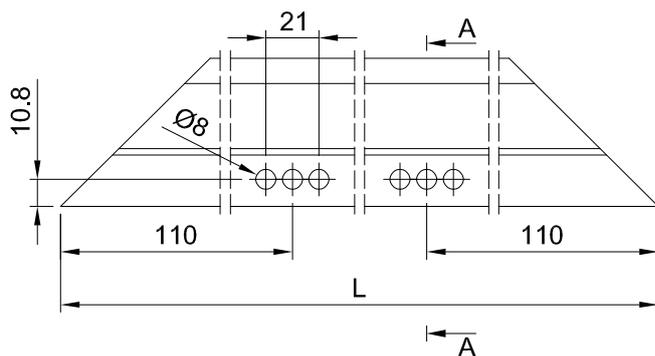
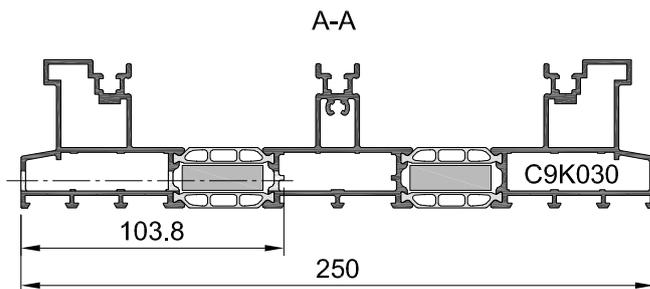
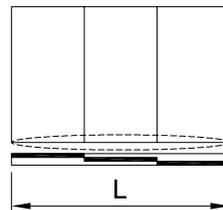


C9K030 LAVORAZIONE DRENAGGIO - J

3 / 13



J.4.8 - J



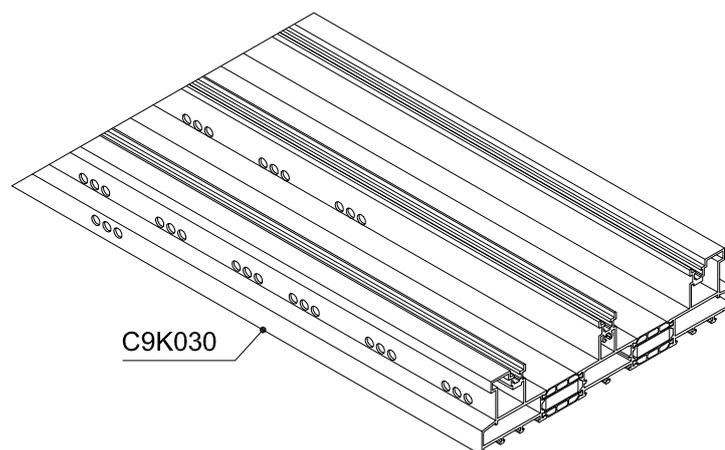
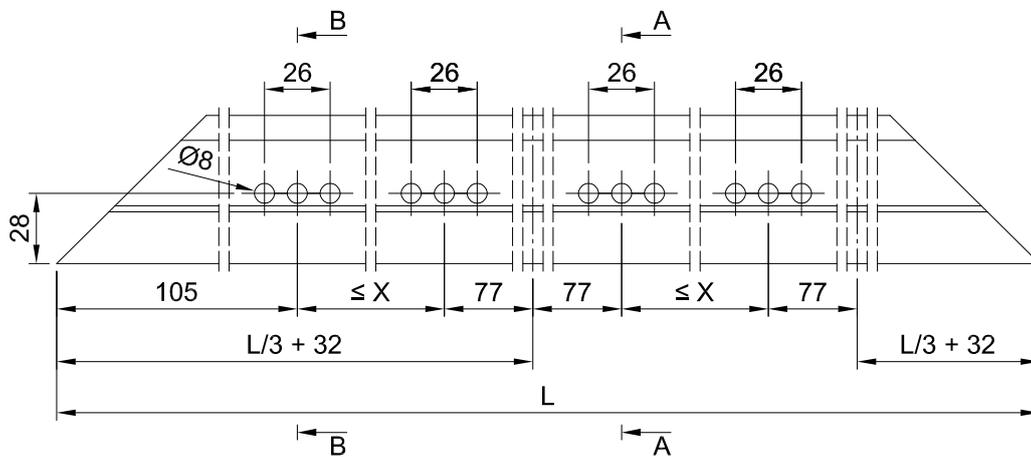
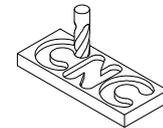
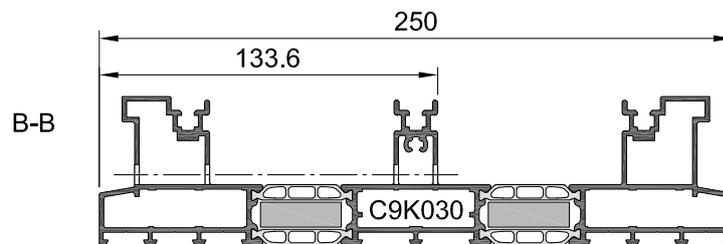
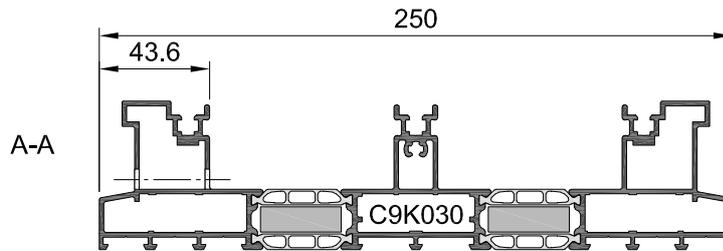
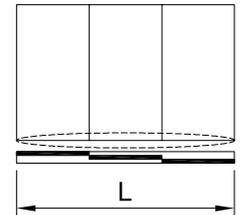
3-BINARI TELAIO TAGLI 45°

C9K030 LAVORAZIONE DRENAGGIO - H1, H2

4 / 13



J.4.8 - H1, H2
X → J.1.4

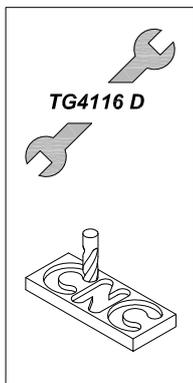
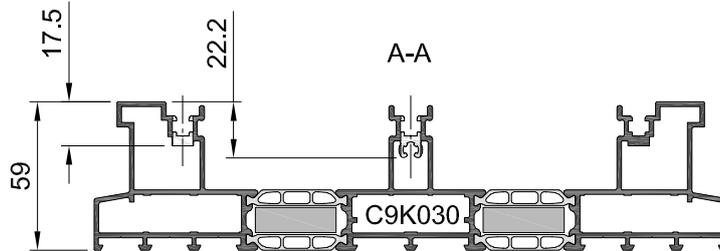
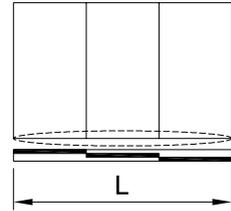


C9K030 LAVORAZIONE DRENAGGIO - B, D

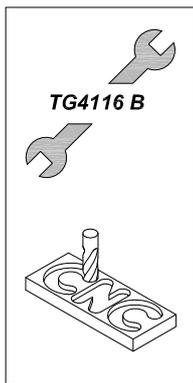
5 / 13



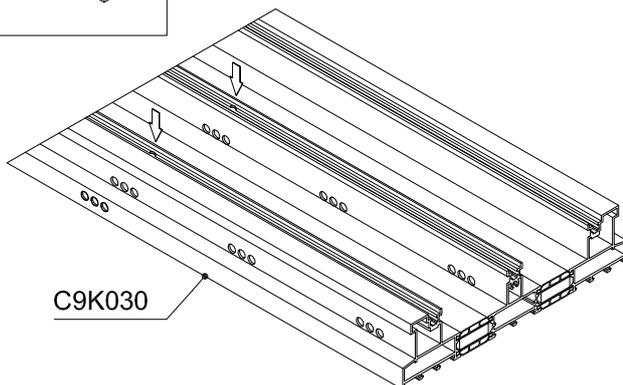
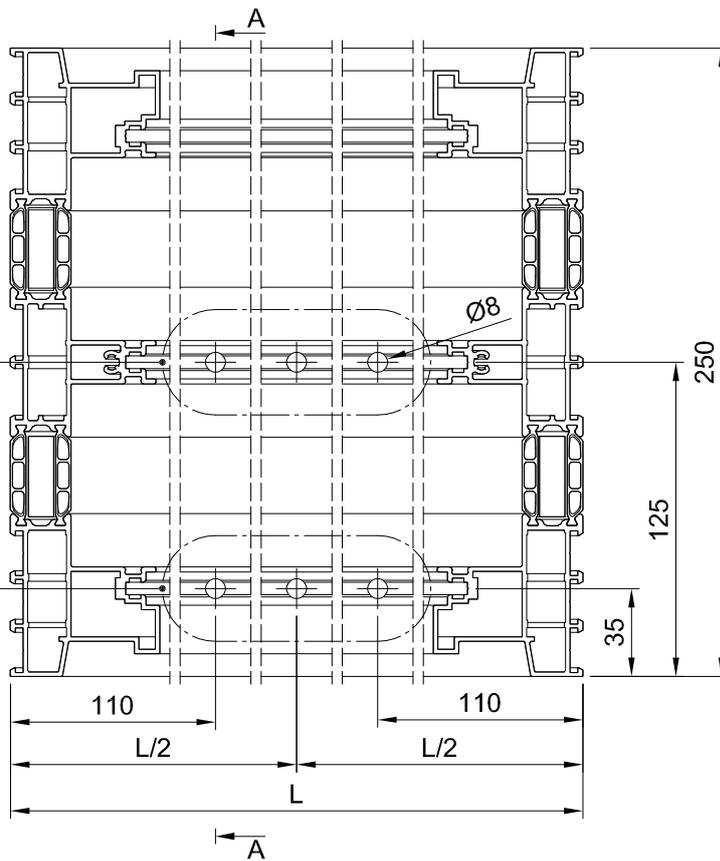
J.4.8 - B, D



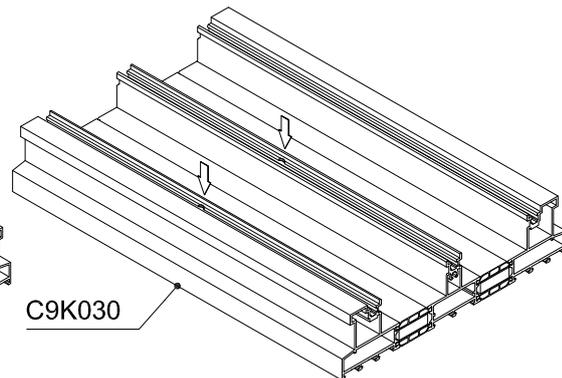
TG4116 D



TG4116 B



C9K030



C9K030

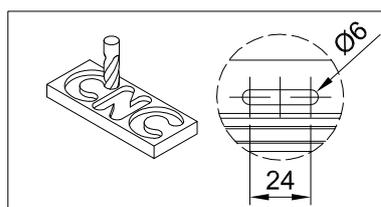
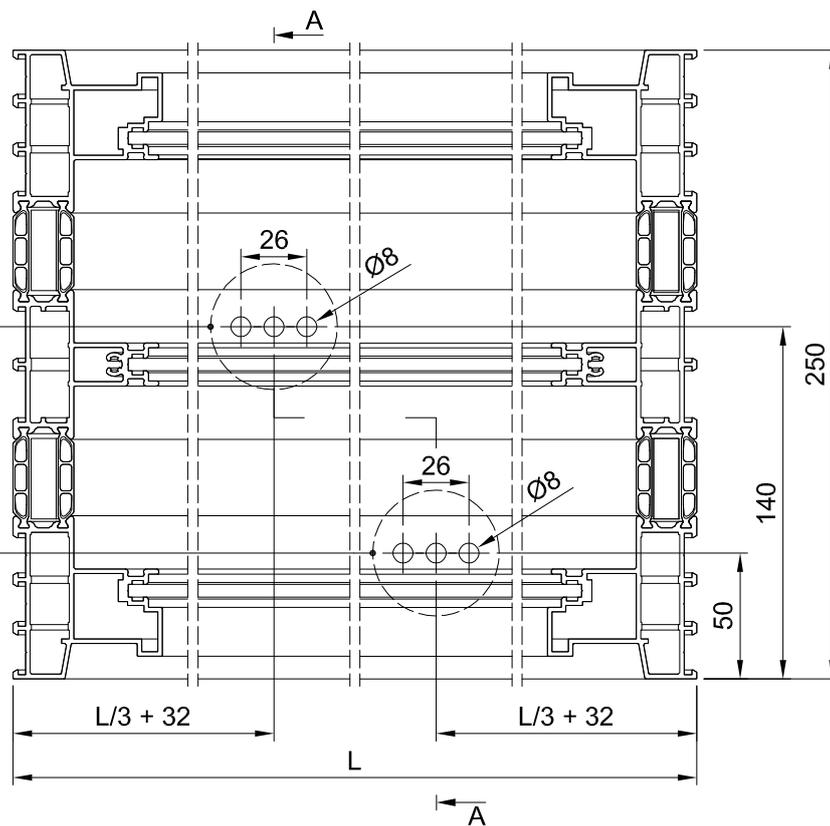
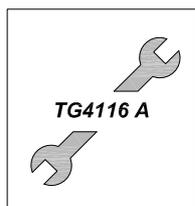
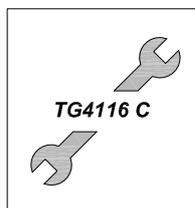
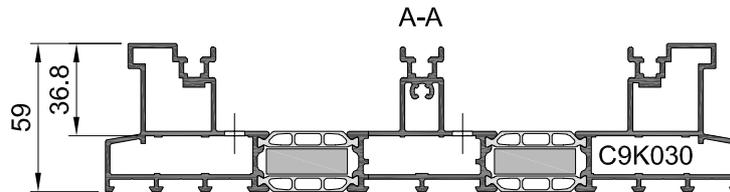
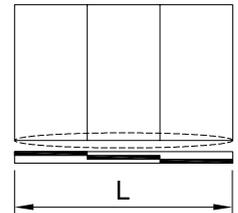
3-BINARI TELAIO TAGLI 45°

C9K030 LAVORAZIONE DRENAGGIO - A, C

6 / 13



J.4.8 - A, C

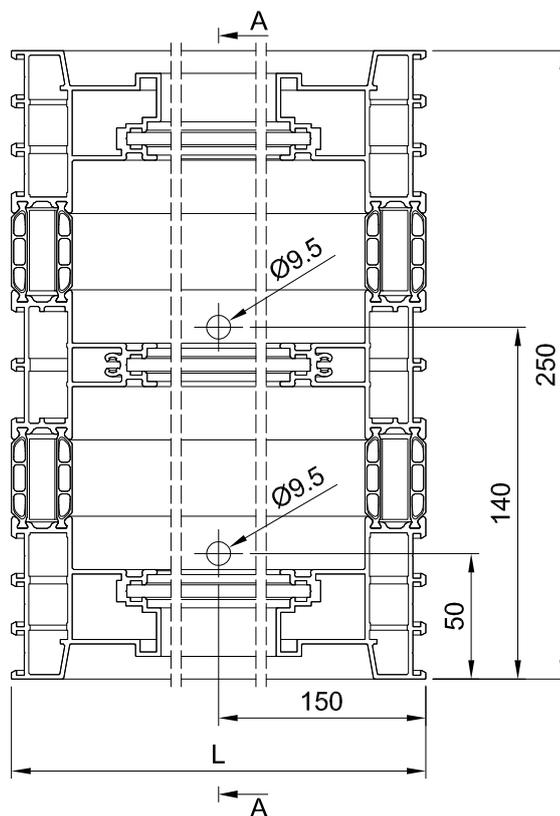
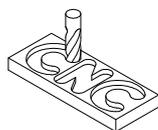
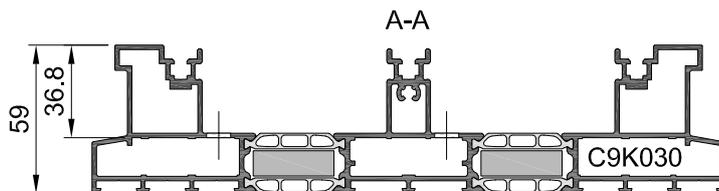
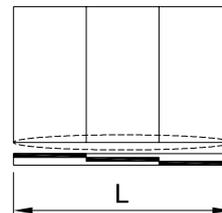


C9K030 LAVORAZIONE DRENAGGIO - G

7 / 13

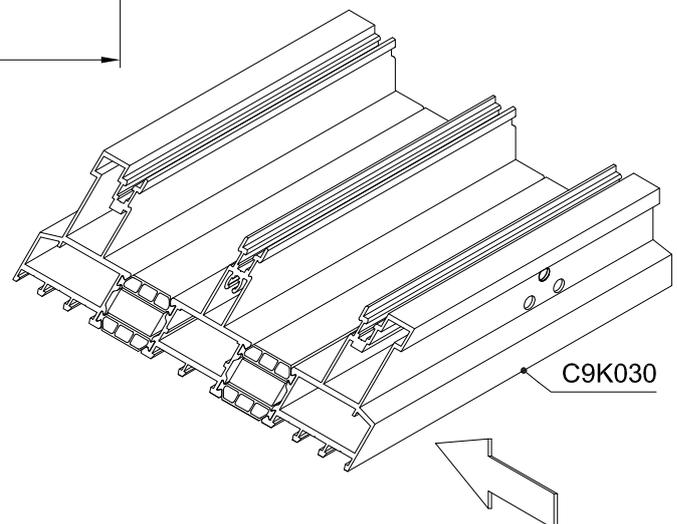
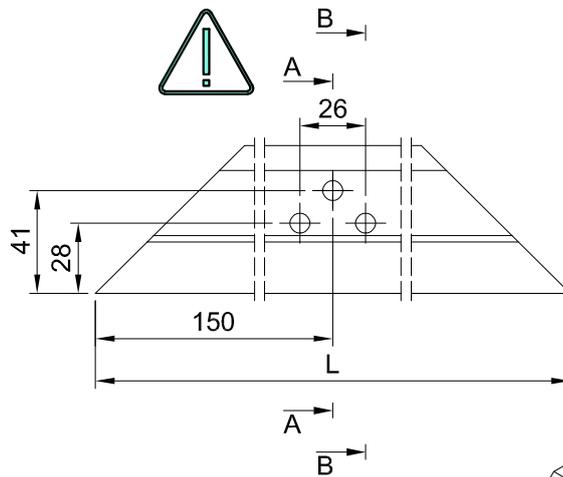
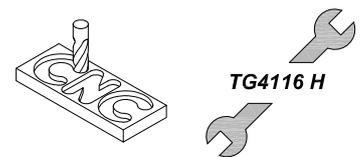
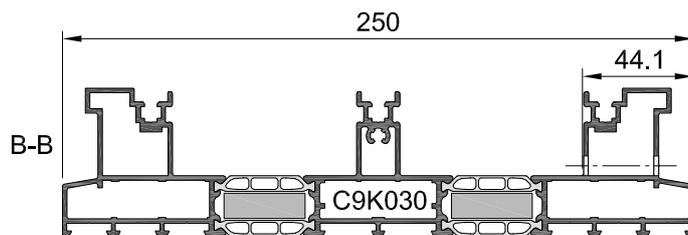
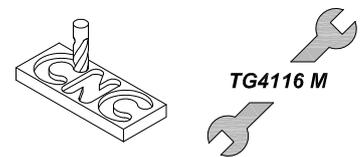
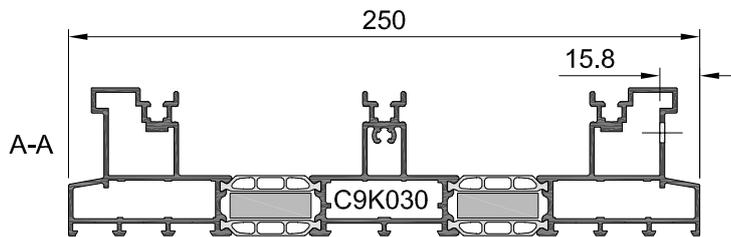
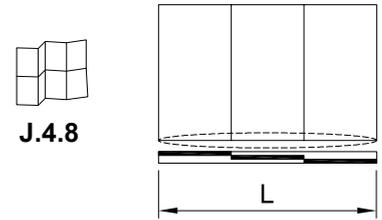


J.4.8 - G
J.4.20



C9K030 LAVORAZIONE DRENAGGIO - M

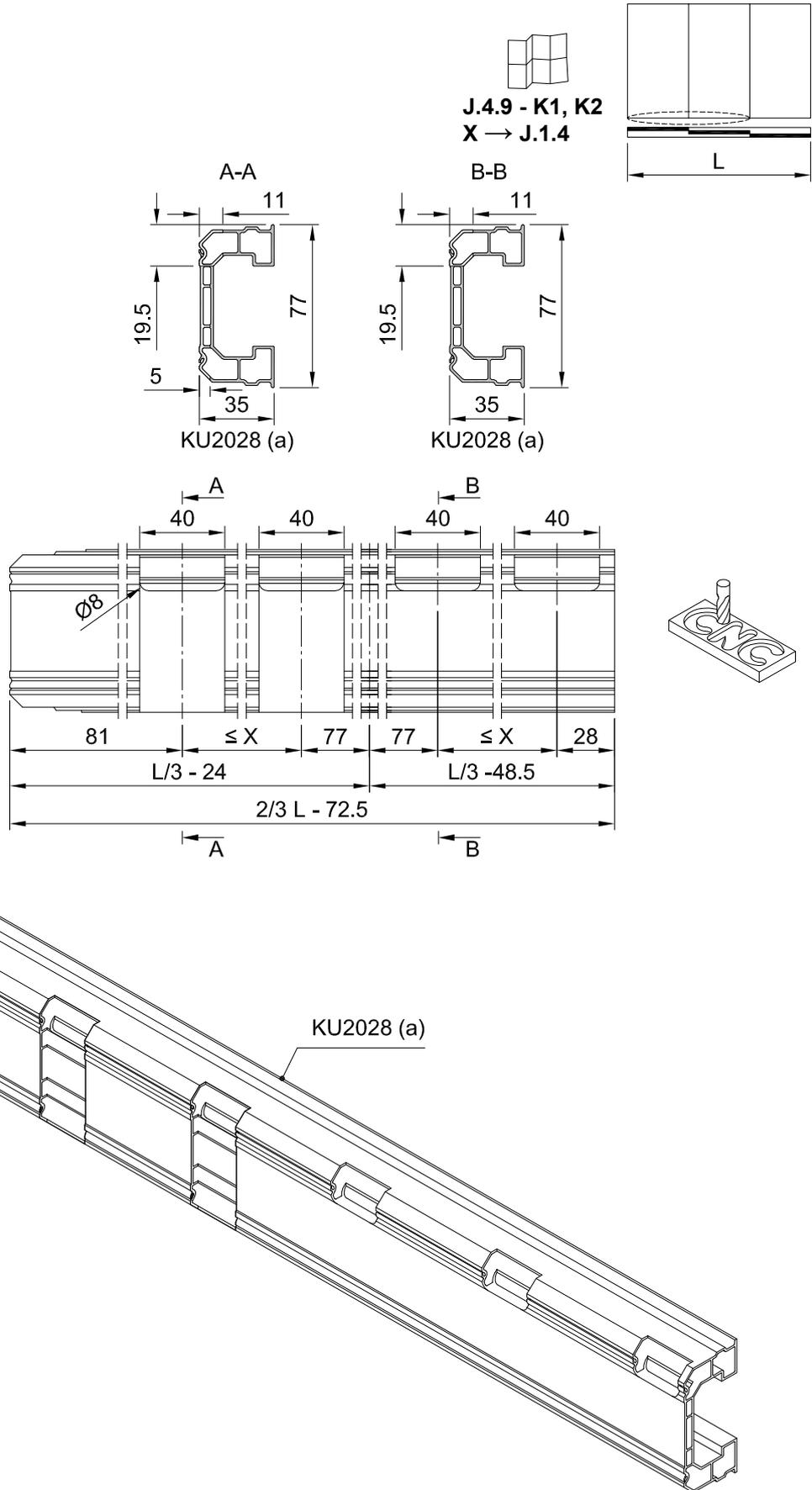
8 / 13



VISTA INTERNA

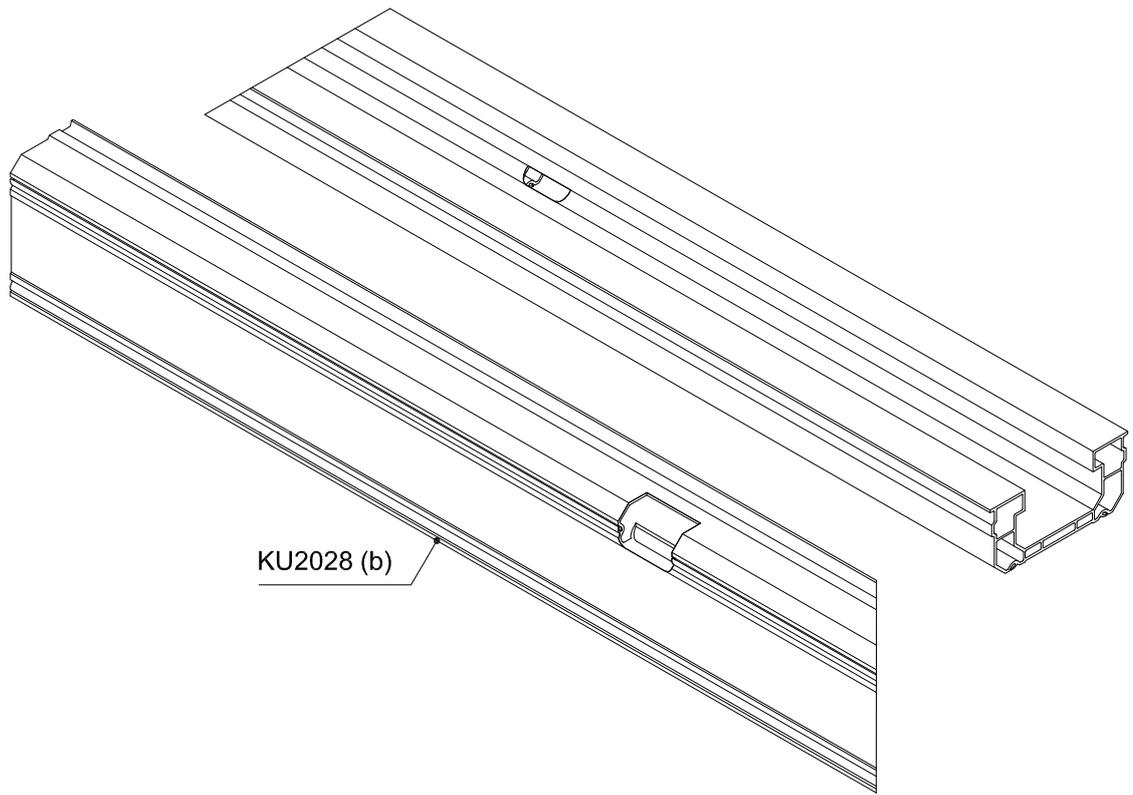
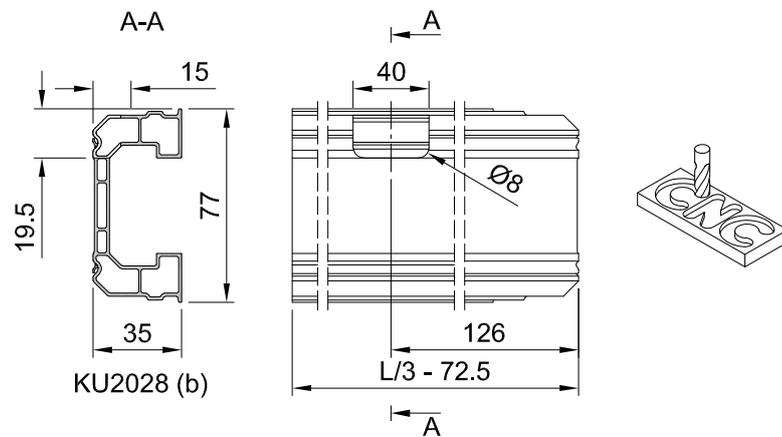
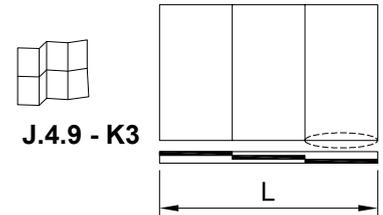
KU2028 LAVORAZIONE DRENAGGIO - K1, K2

9 / 13



KU2028 LAVORAZIONE DRENAGGIO - K3

10 / 13

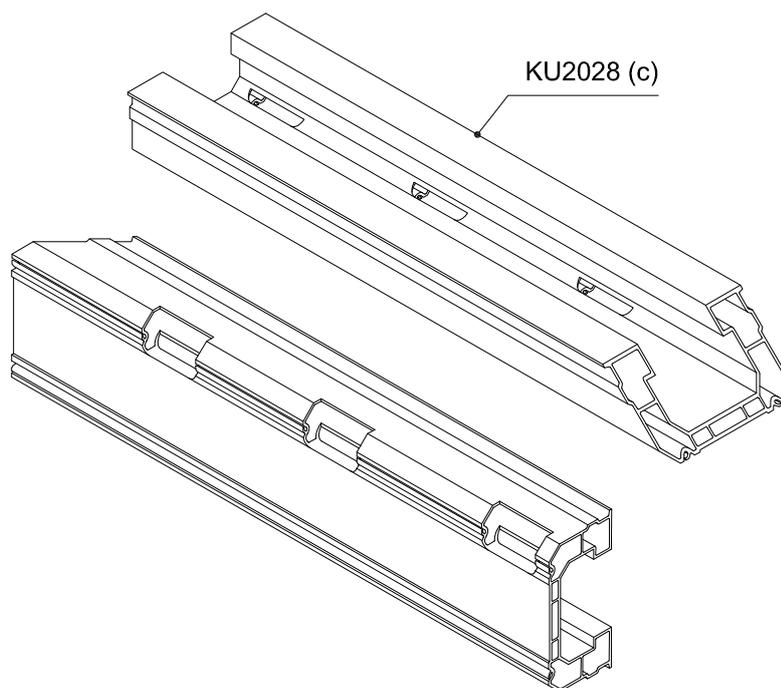
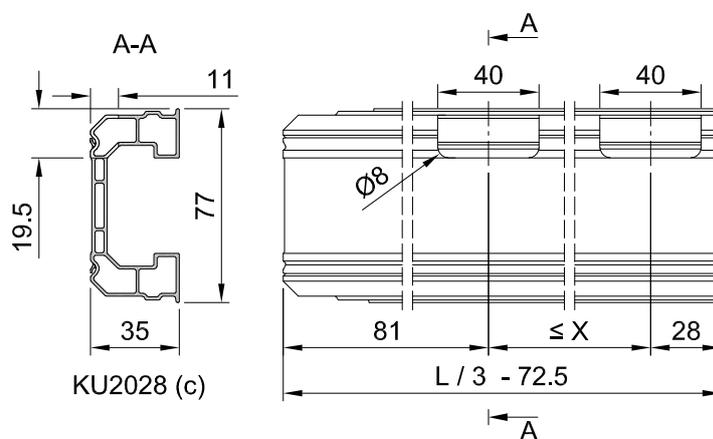
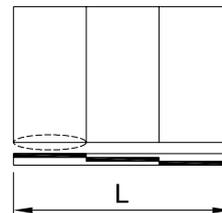


KU2028 LAVORAZIONE DRENAGGIO - K4

11 / 13

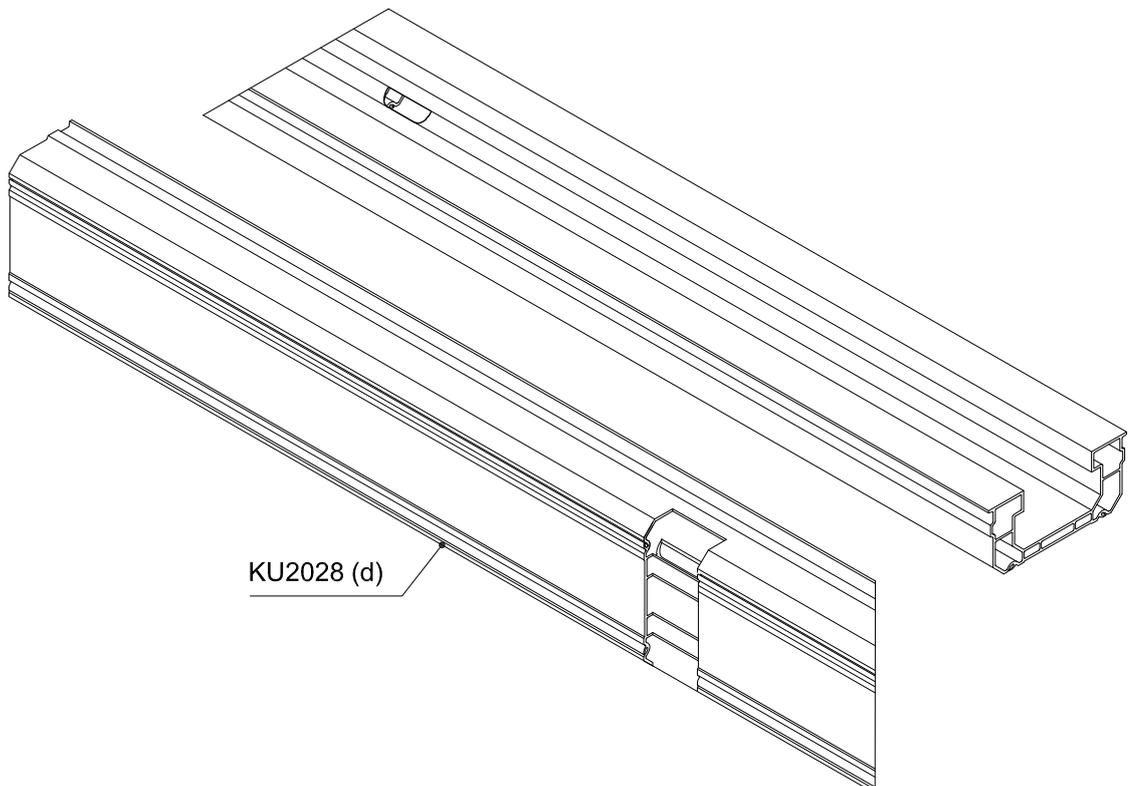
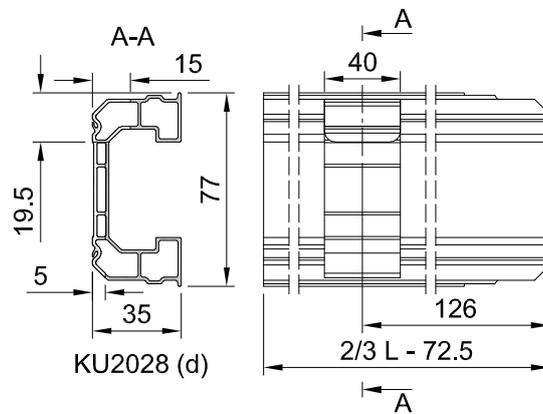
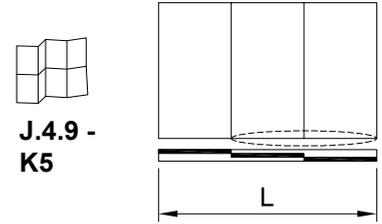


J.4.9 - K4
X → J.1.4



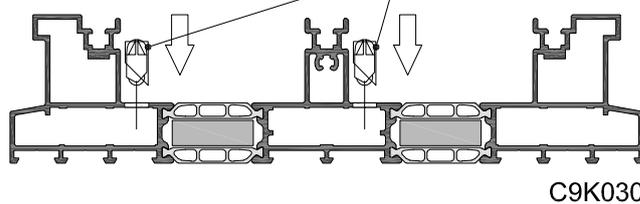
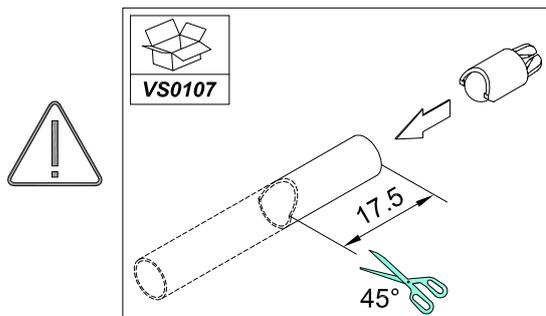
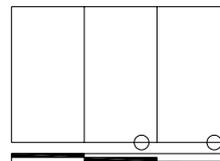
KU2028 LAVORAZIONE DRENAGGIO - K5

12 / 13

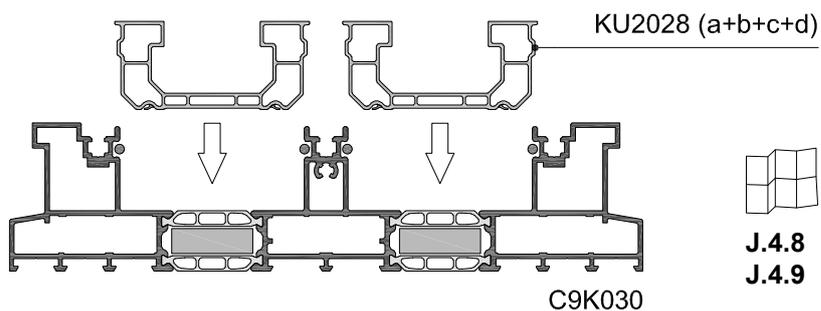
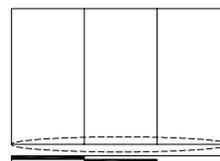
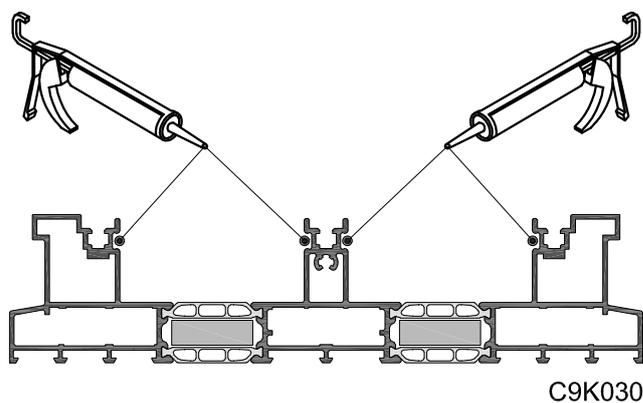


ASSEMBLAGGIO VS0107 E KU2028 SU C9K020 PROFILATO INFERIORE

13 / 13



J.4.8 - G
J.4.14



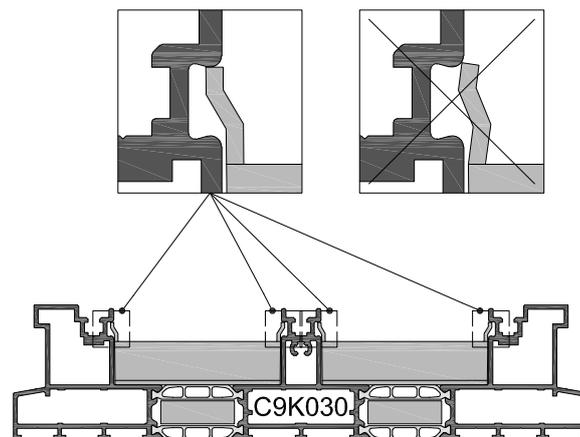
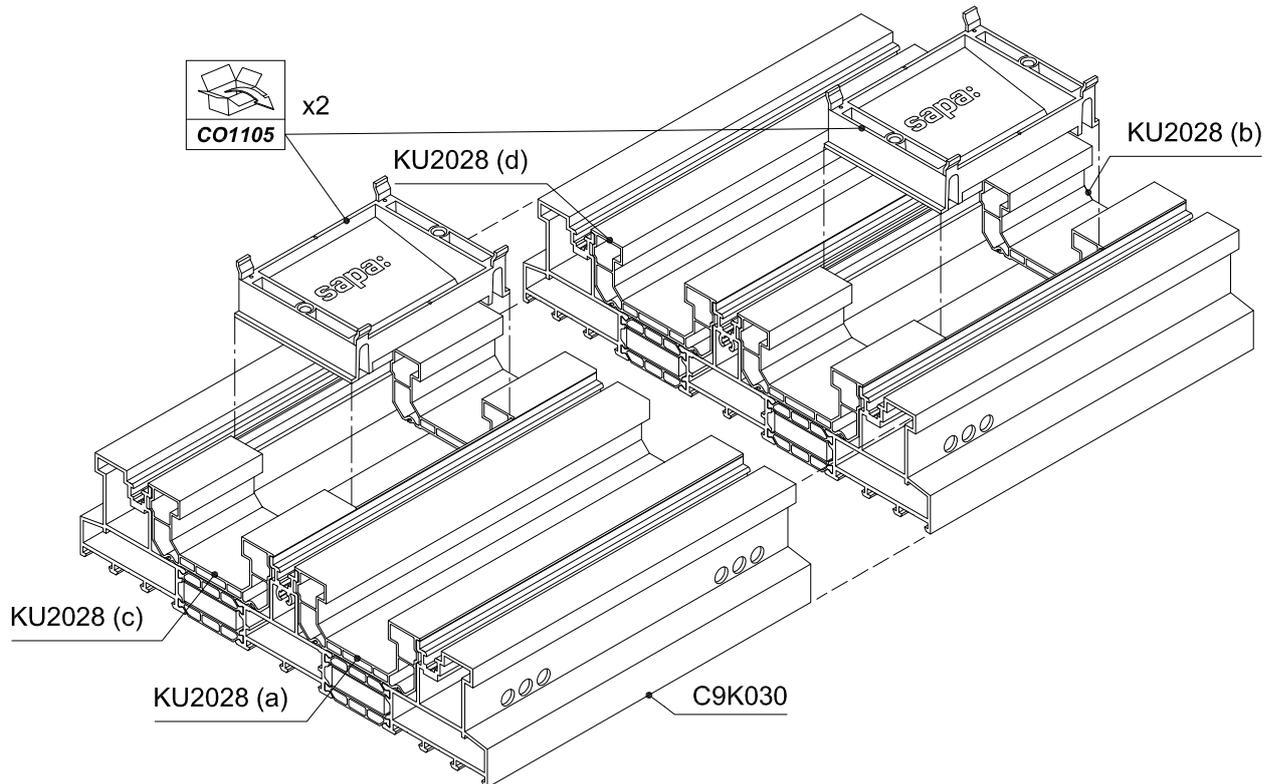
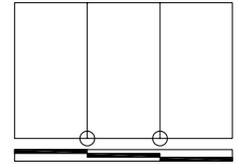
J.4.8
J.4.9

3-BINARI TELAIO TAGLI 45°

ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE C9K030

1 / 2

J.4.2 - D
J.4.39

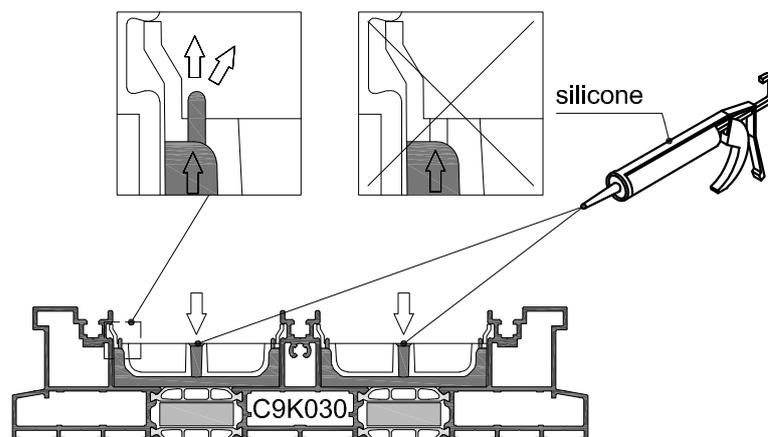
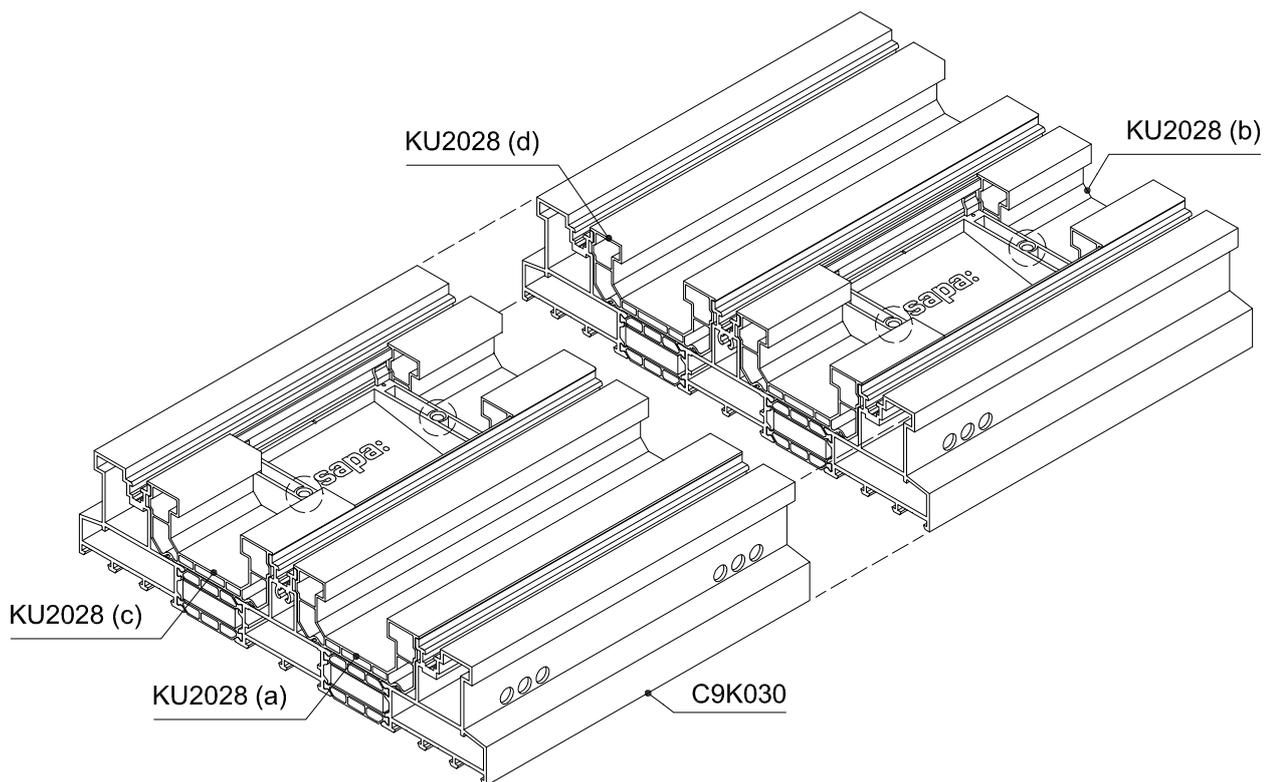
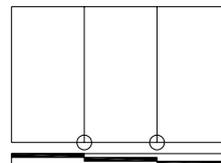


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K030

2 / 2

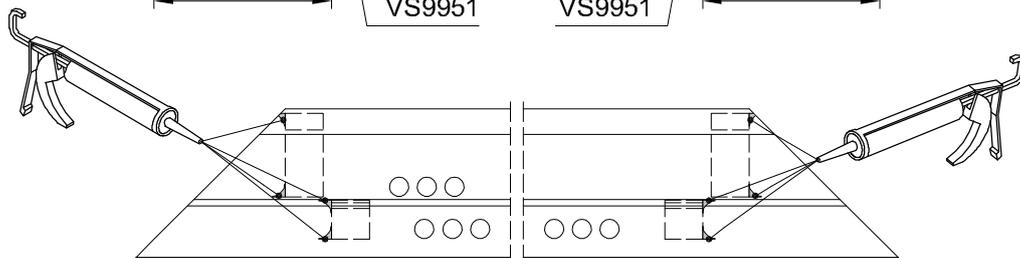
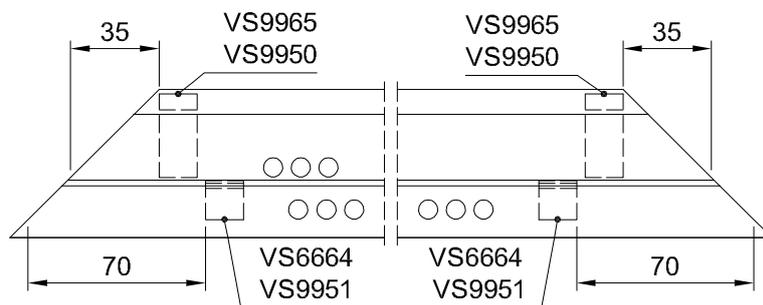
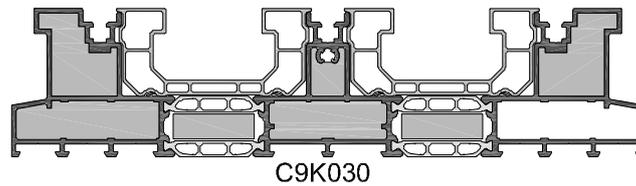
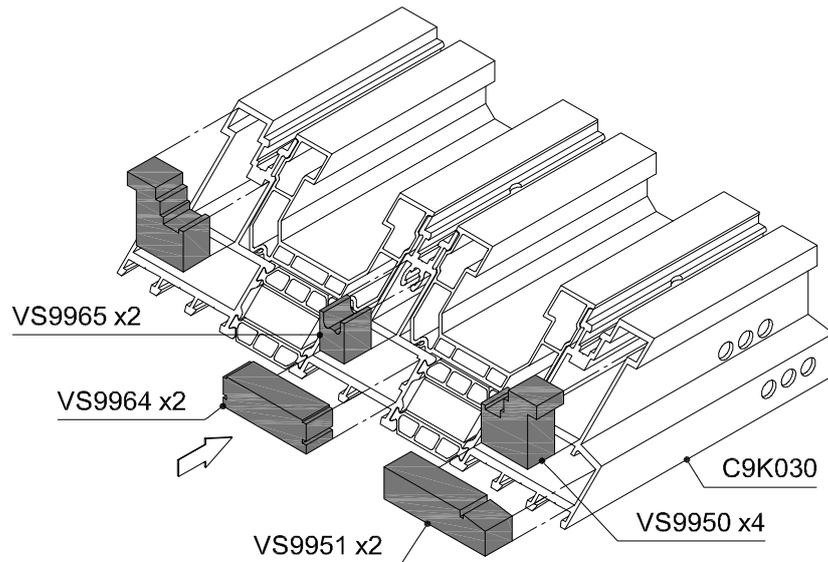
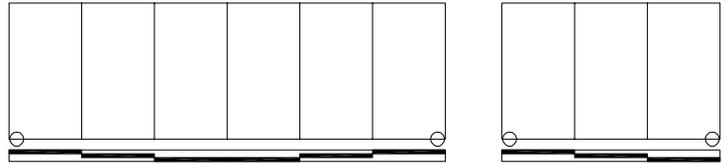


J.4.2 - D
J.4.39



3-BINARI TELAIO TAGLI 45°

SIGILLATURA PROFILATO INFERIORE C9K030 CON VS9950/VS9951/VS9964 E VS9965

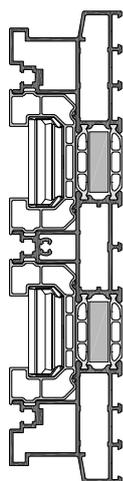
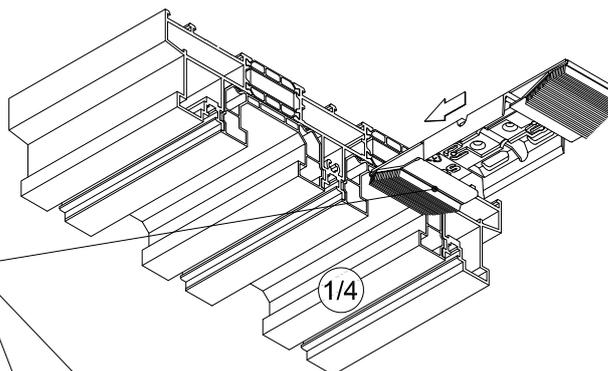
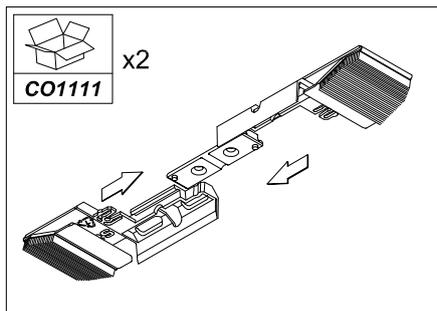
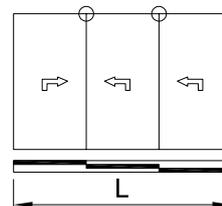


ASSEMBLAGGIO TAPPO CENTRALE CO1111 PROFILATO SUPERIORE C9K030

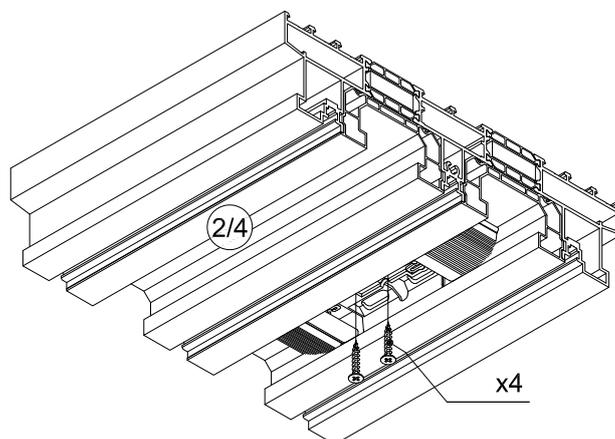
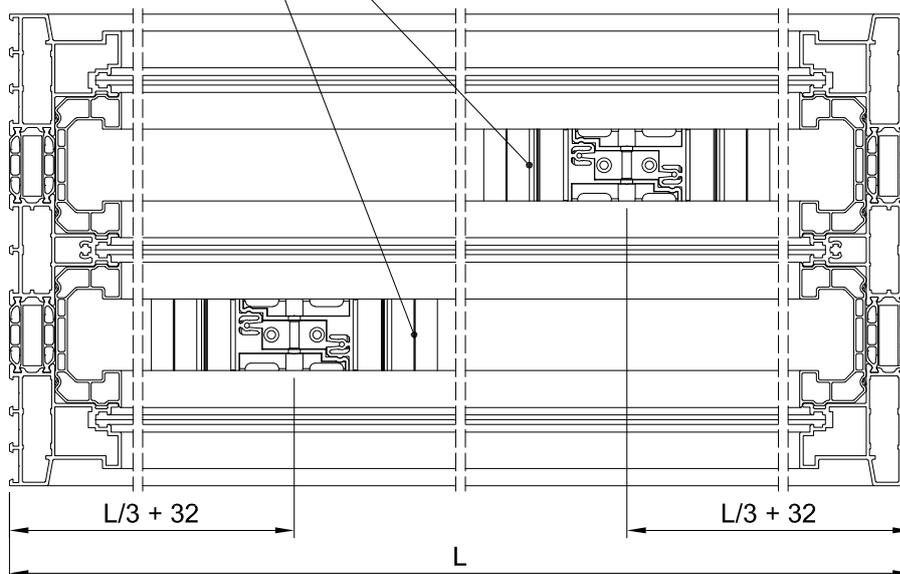
1 / 2



J.4.2 - E
J.11.18



C9K030

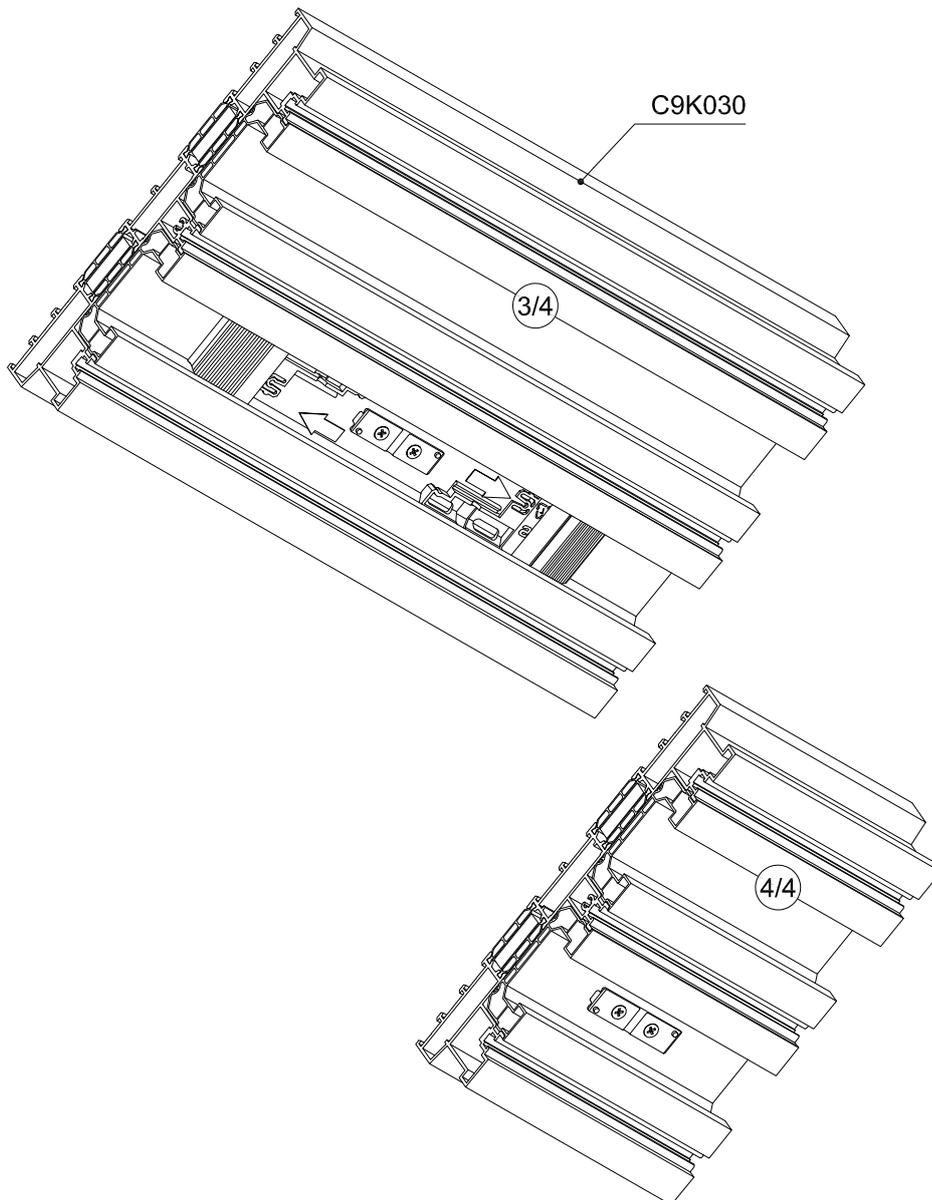
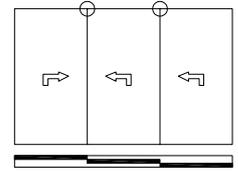


ASSEMBLAGGIO TAPPO CENTRALE CO1111 PROFILATO SUPERIORE C9K030

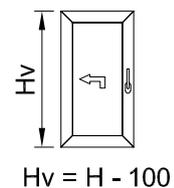
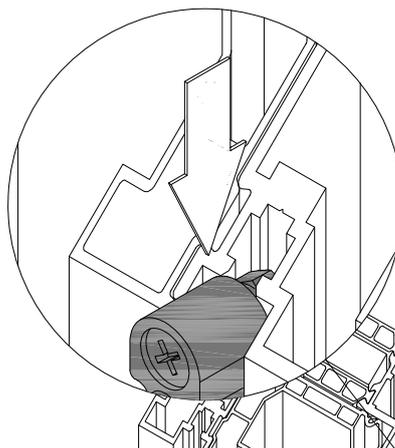
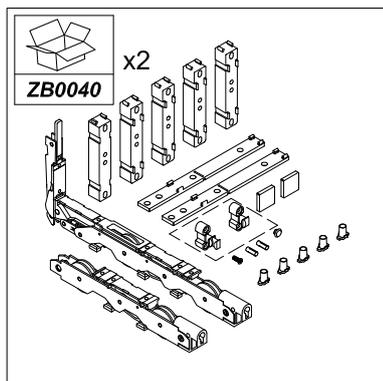
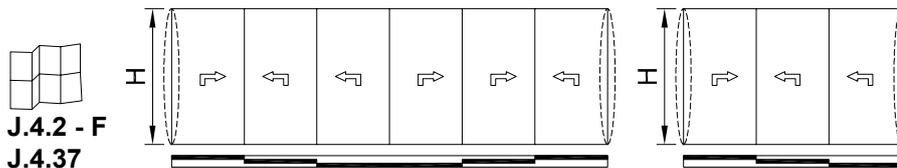
2 / 2



J.4.2 - E
J.11.18



ASSEMBLAGGIO PUNTI DI CHIUSURA - ALZANTE-SCORREVOLE (ZB0034/ZB0035/ZB0036)



Hv = 1878 - 2777

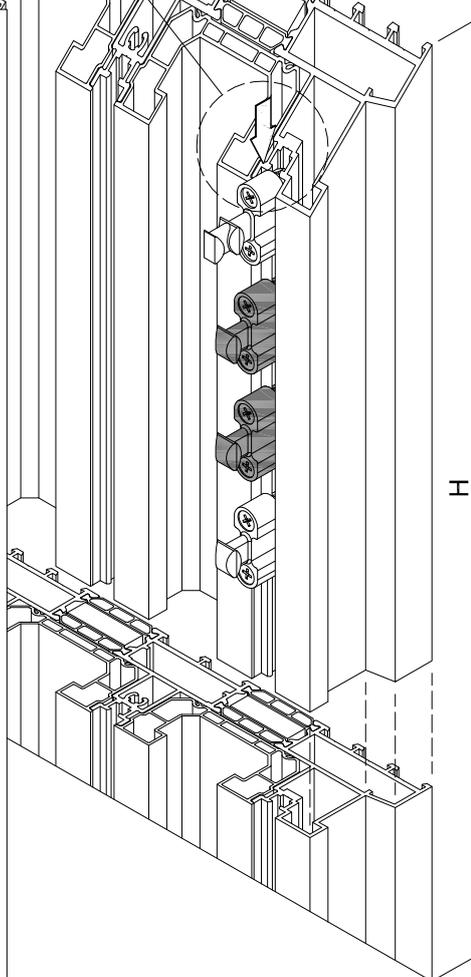
SCG641 x8
ZB0040
80H520 x8

ZB0040

Hv = 2010 - 2909

CO2211 x8
ZB0040
80H520 x16

SF3925 x4
ZB0040



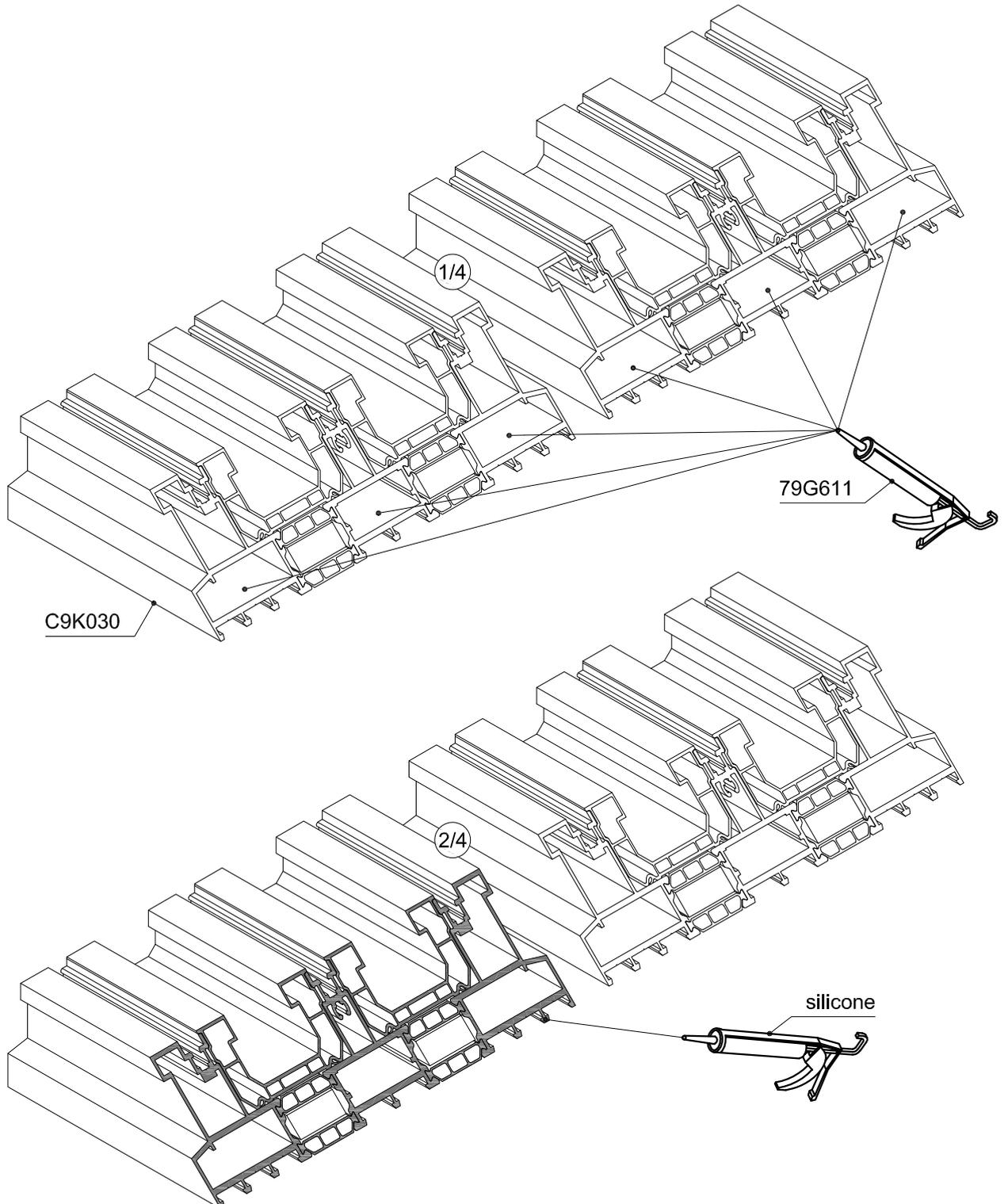
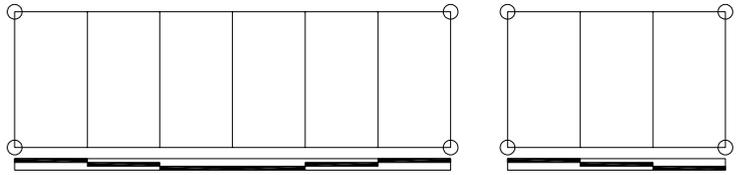
3-BINARI TELAIO TAGLI 45°

ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

1 / 3



J.4.2 - A
J.4.5



C160-ASS-1226

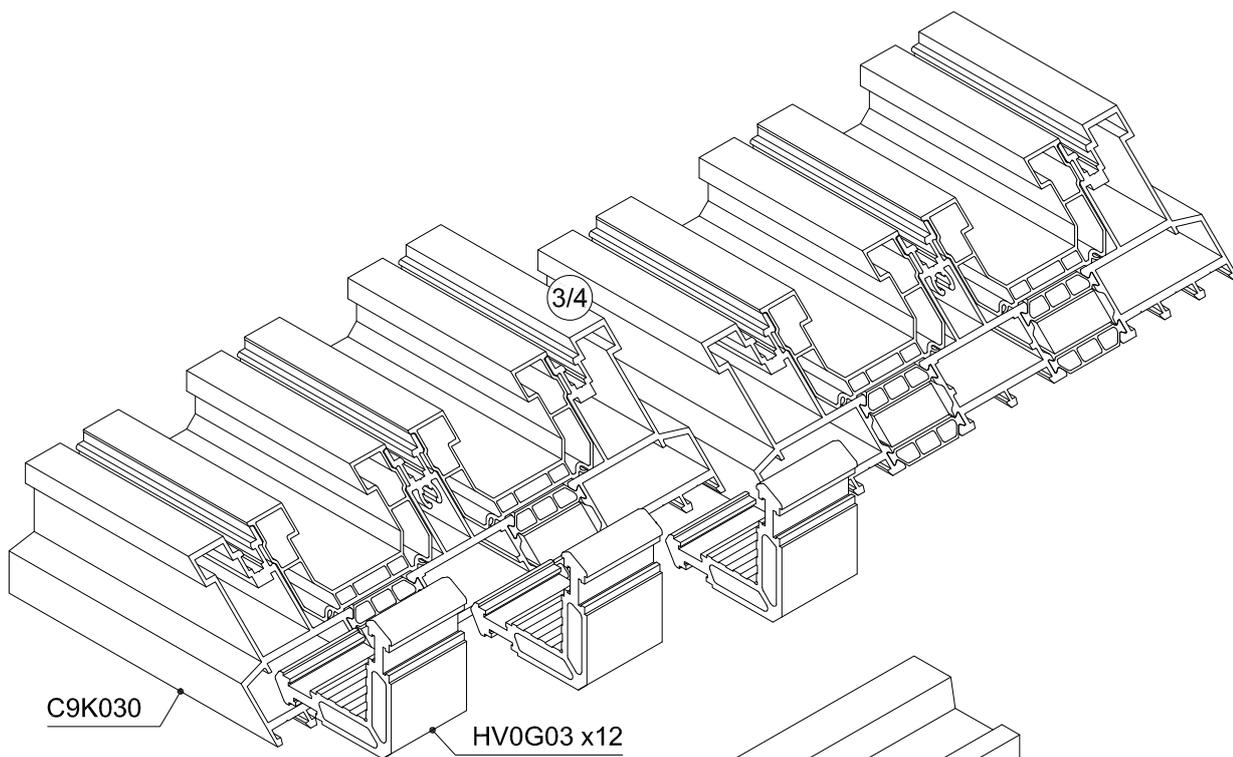
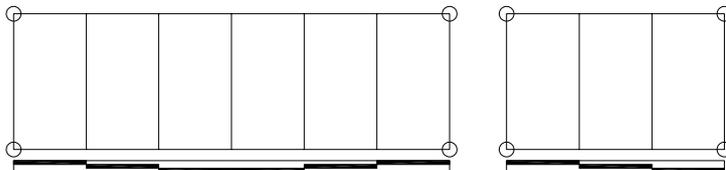
3-BINARI TELAIO TAGLI 45°

ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

2 / 3

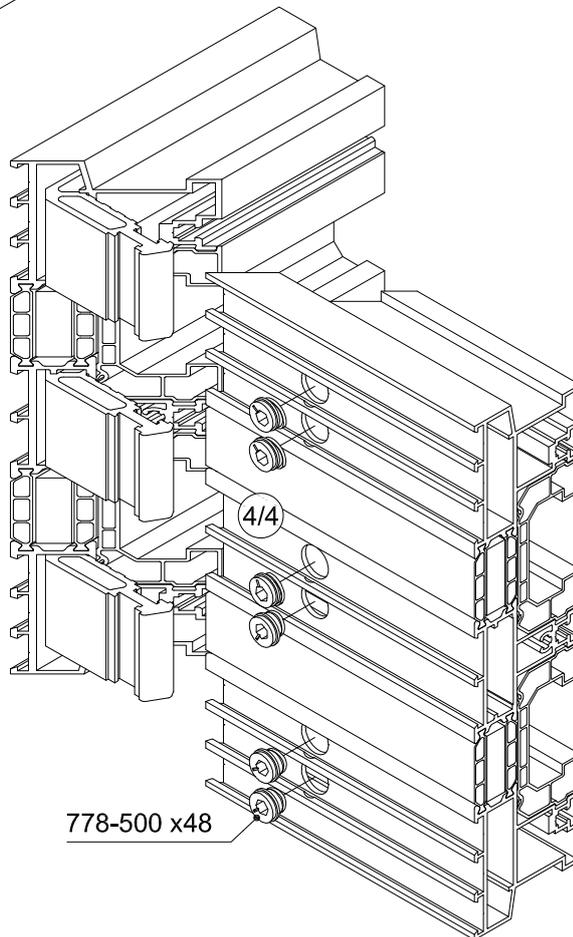


J.4.2 - A
J.4.5



C9K030

HV0G03 x12

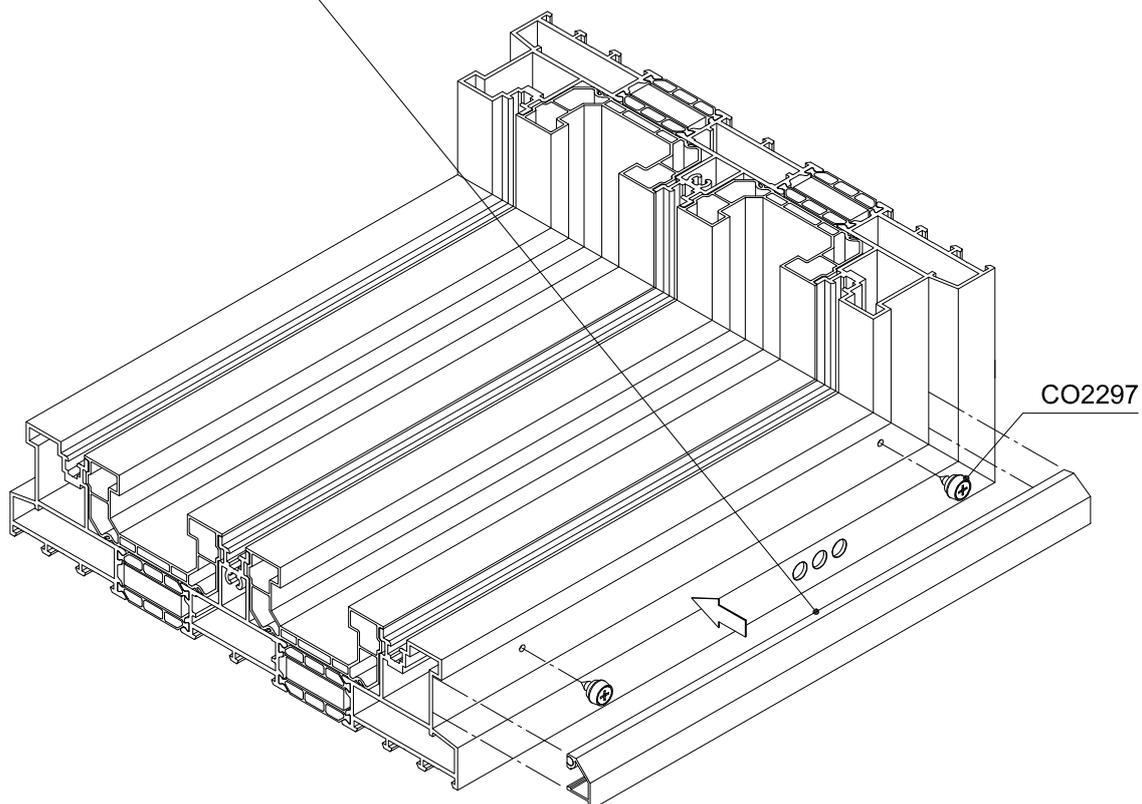
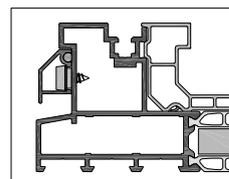
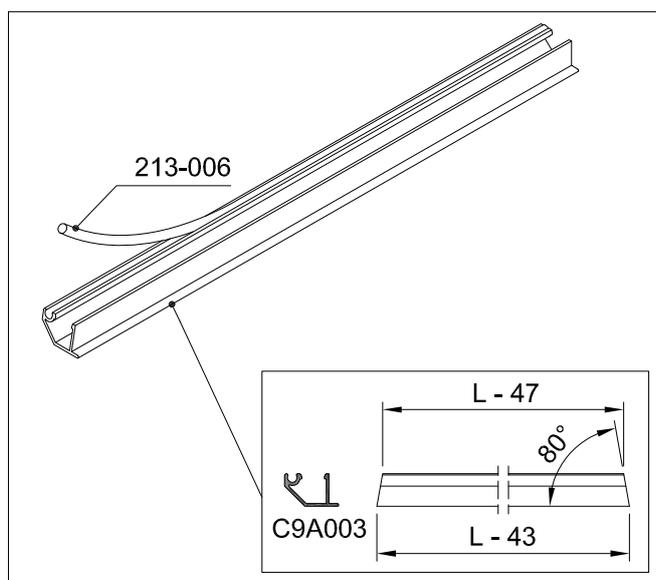
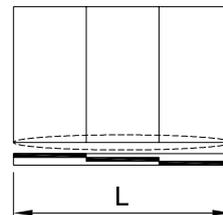
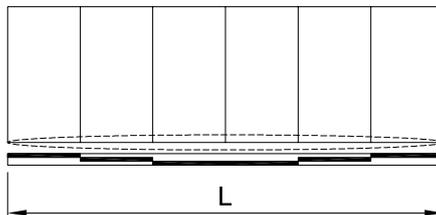


778-500 x48

ASSEMBLAGGIO CAPPETTA DI DRENAGGIO C9A003



J.4.2 - B
 J.4.7



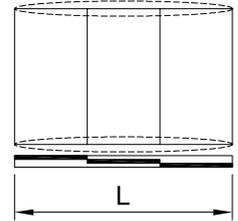
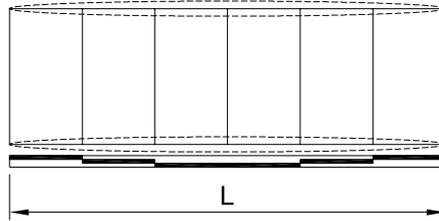
3-BINARI TELAIO TAGLI 45°

OPERAZIONI C9A004 + VS2404

1 / 3

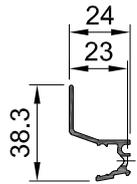


J.4.2 - G

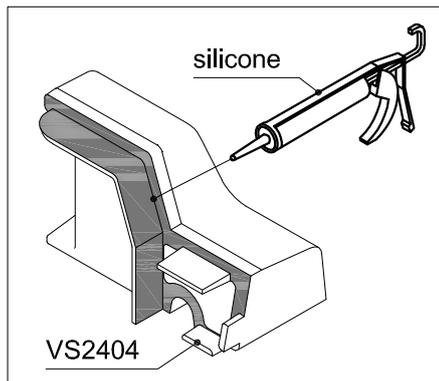
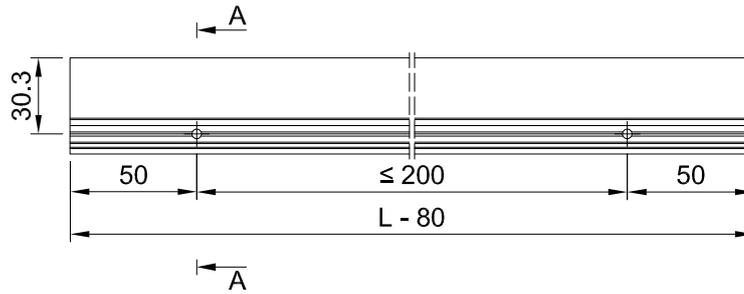


A-A

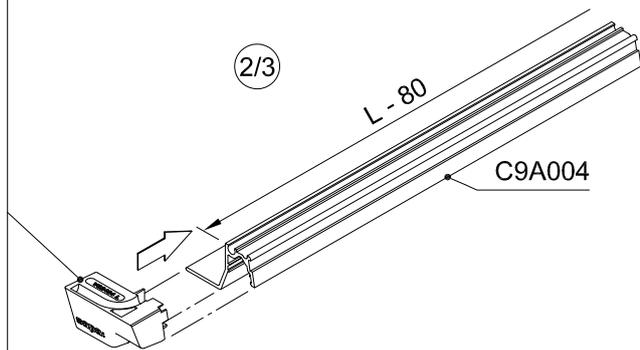
1/3



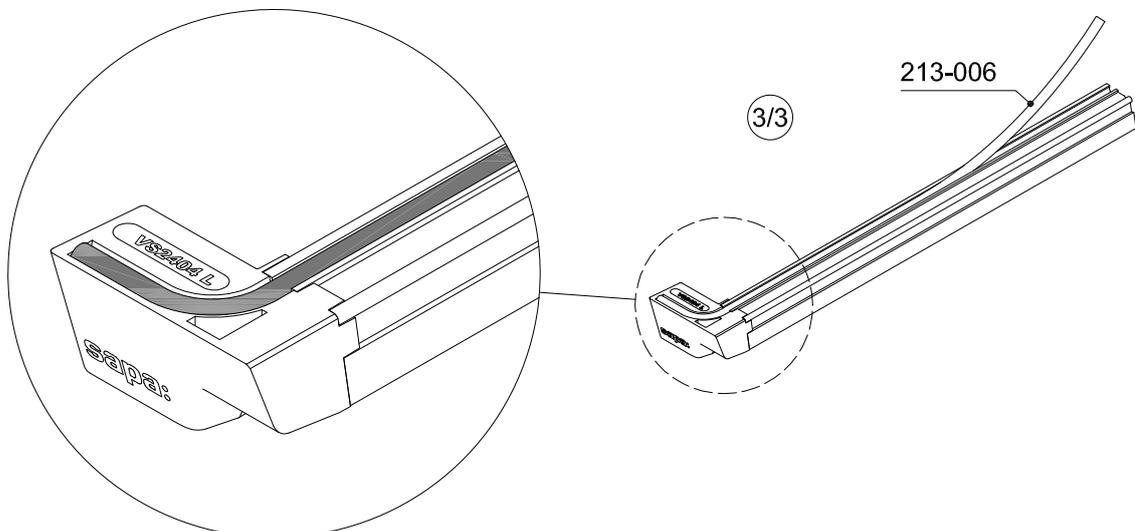
C9A004



2/3



3/3

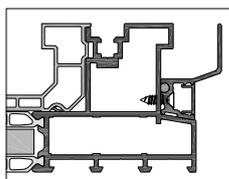
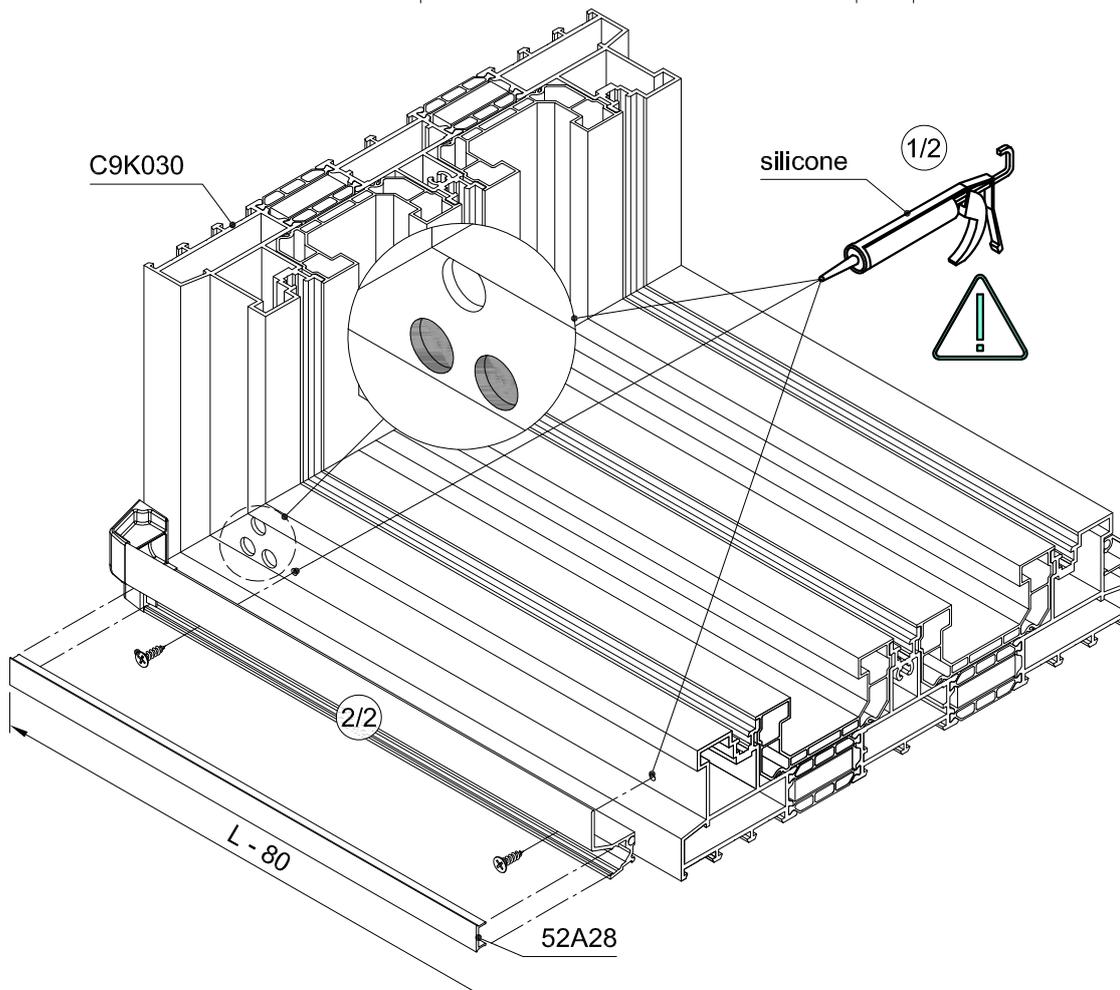
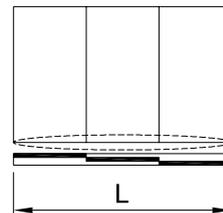
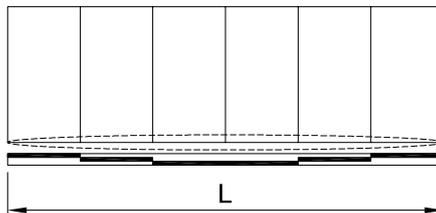


ASSEMBLAGGIO C9A004 + VS2404

2 / 3

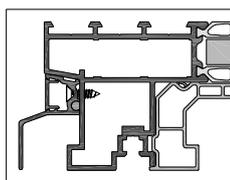
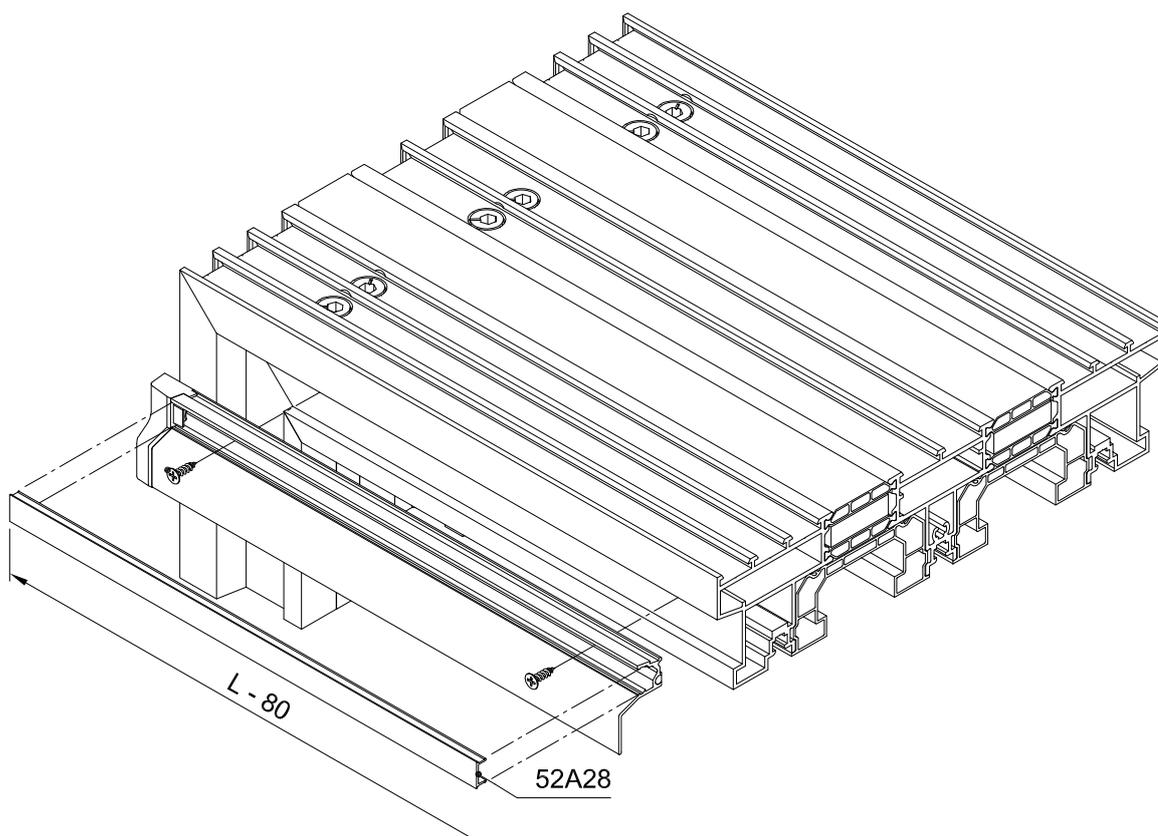
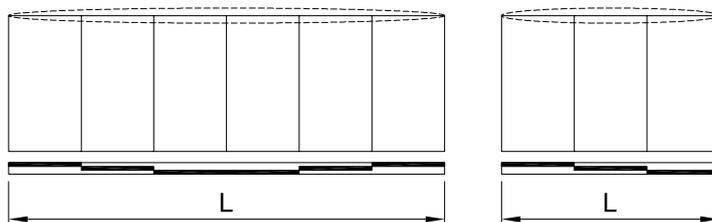


J.4.2 - G



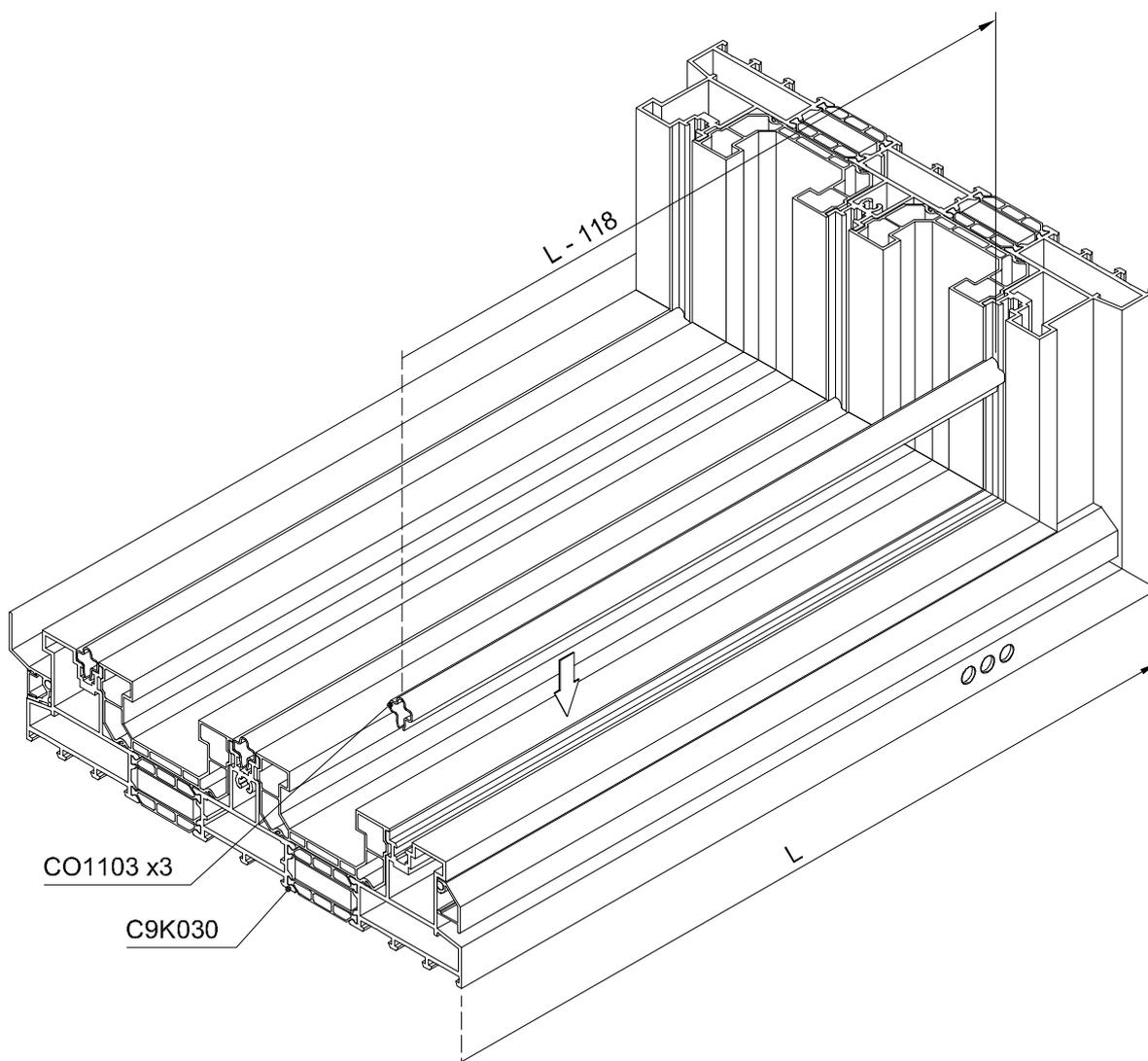
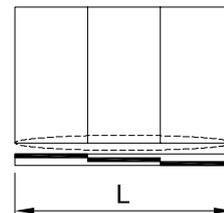
ASSEMBLAGGIO C9A004 + VS2404 - OPTIONAL

3 / 3



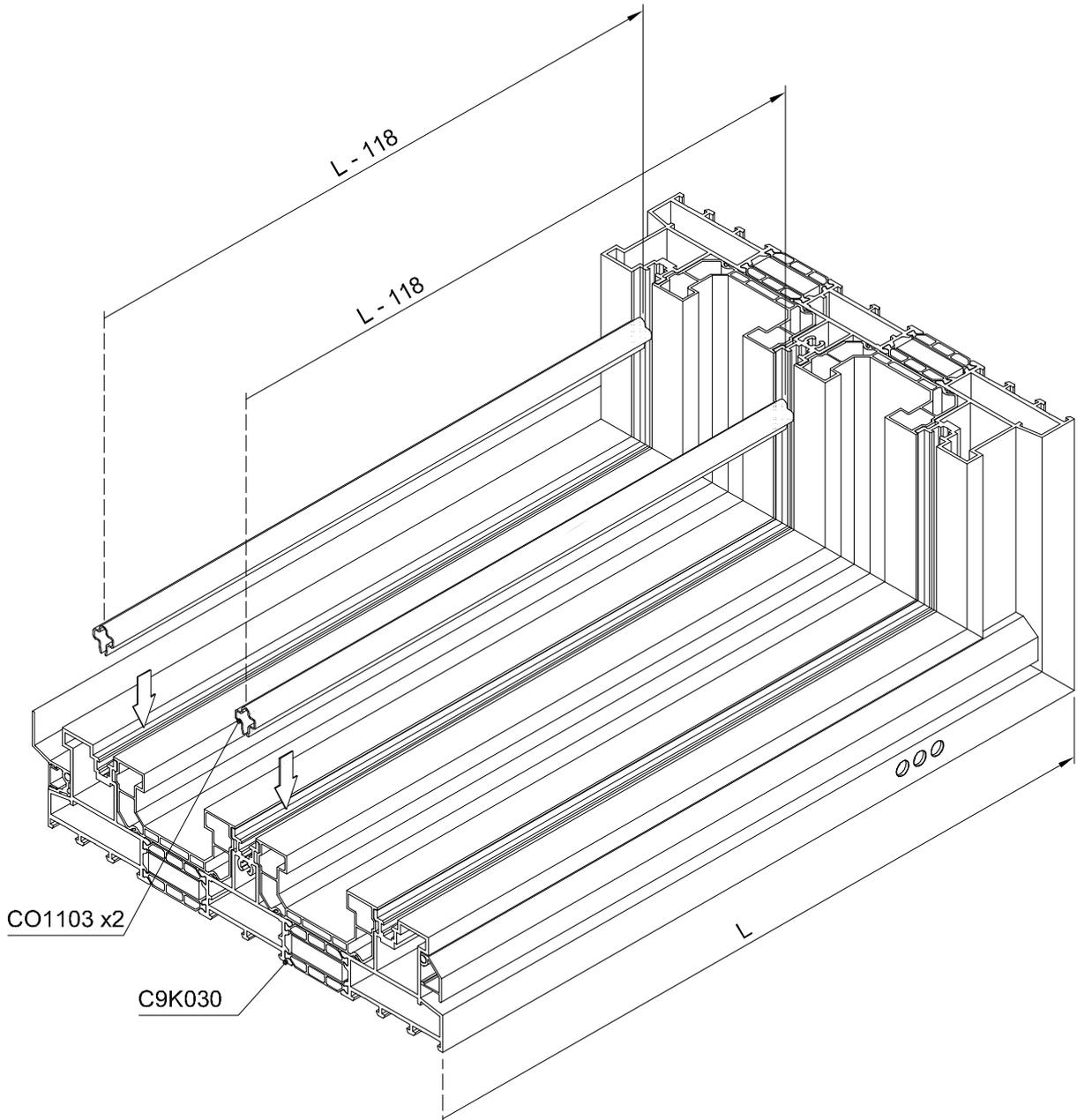
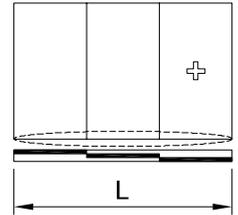
ASSEMBLAGGIO CO1103

1 / 3



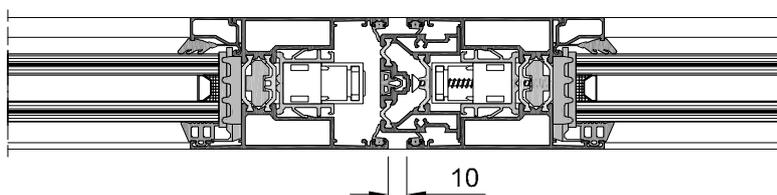
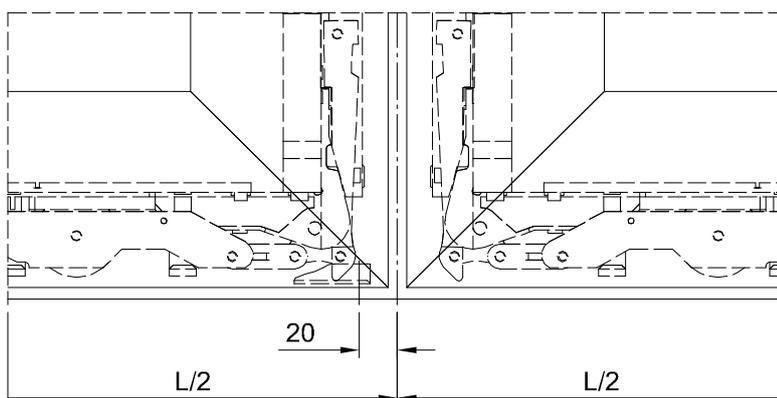
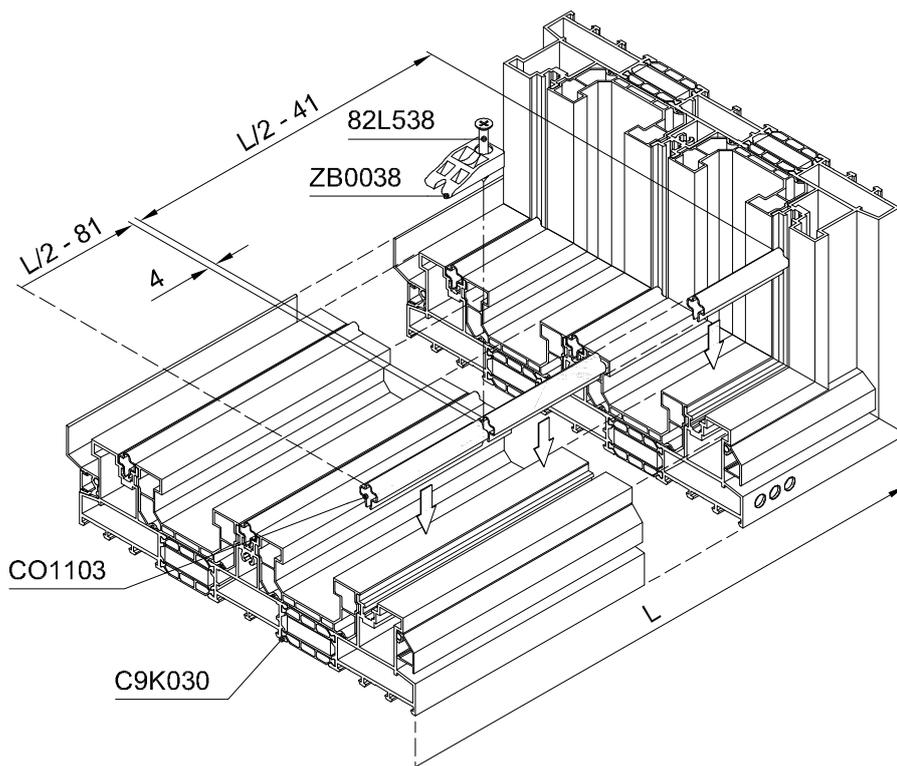
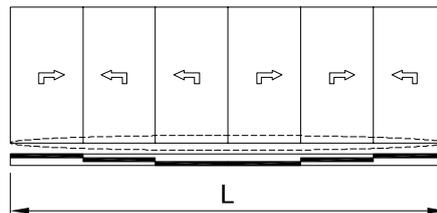
ASSEMBLAGGIO CO1103 PER FISSO-SCORREVOLE-FISSO

2 / 3



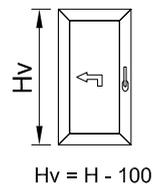
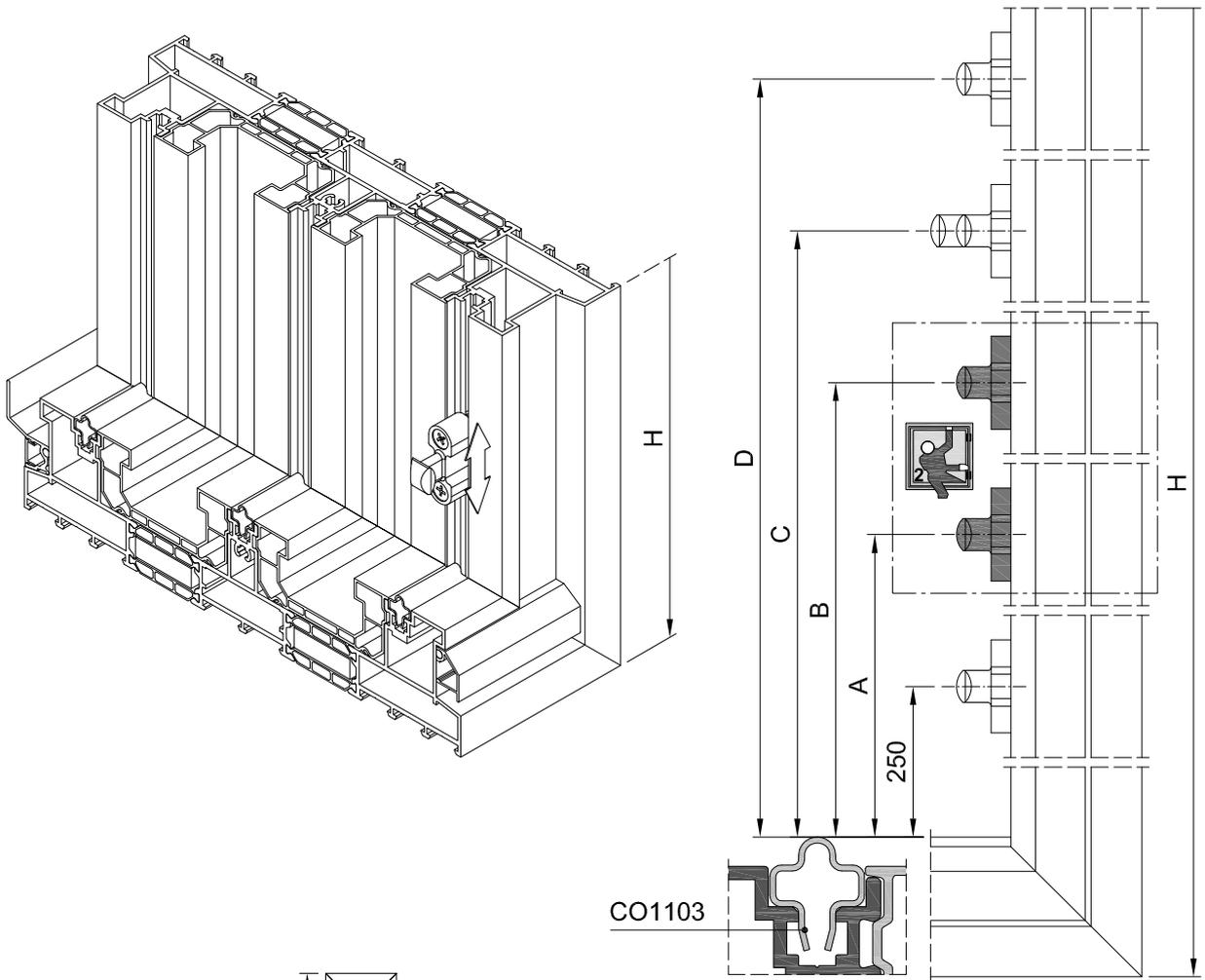
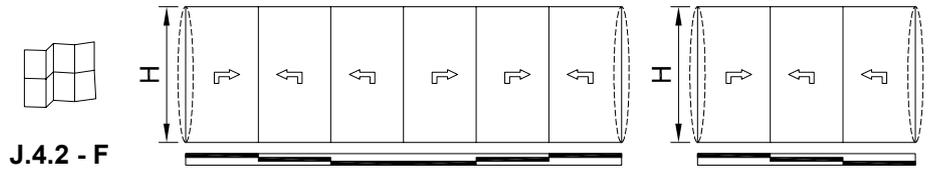
ASSEMBLAGGIO CO1103 E ZB0038 PER SCHEMA 4 ANTE

3 / 3



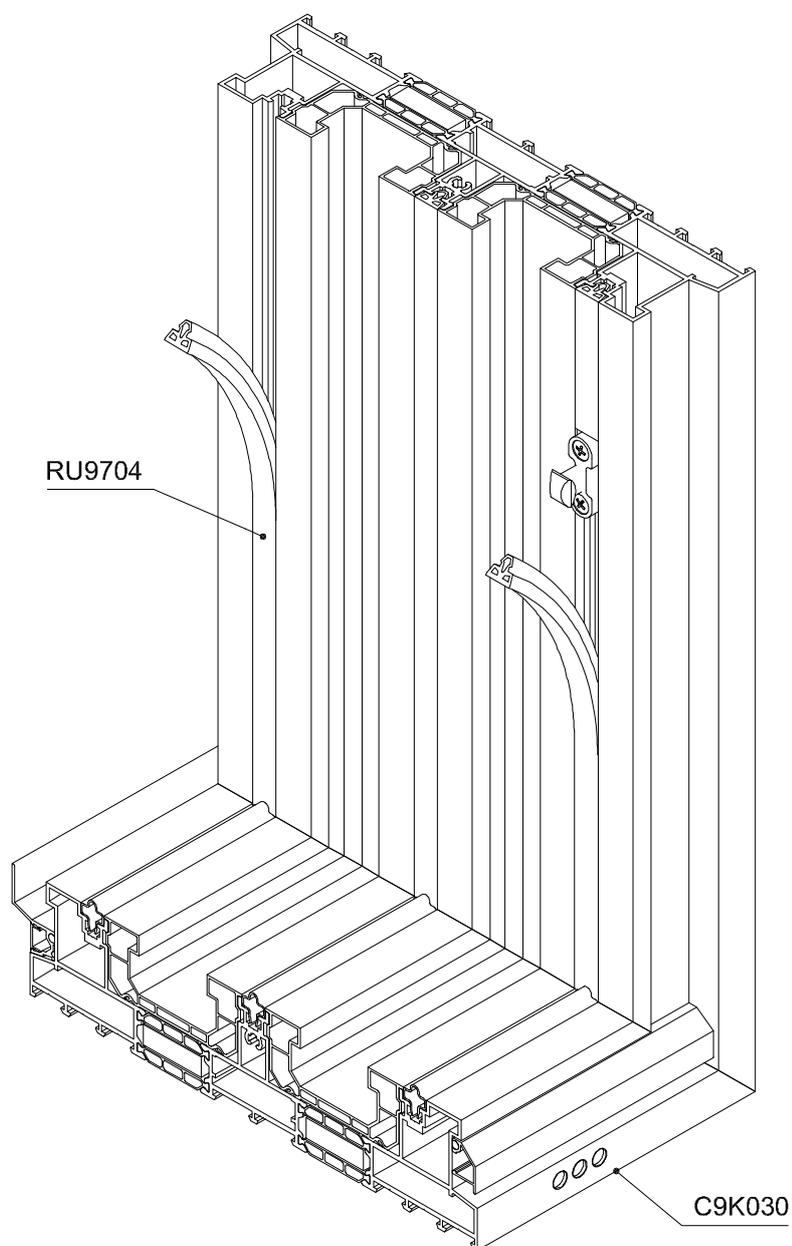
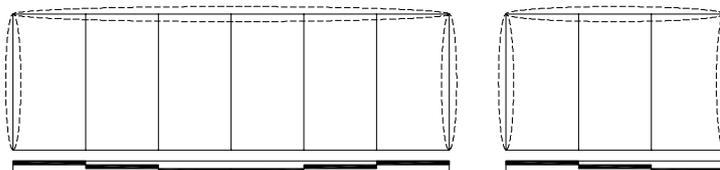
3-BINARI TELAIO TAGLI 45°

INSTALLAZIONE PUNTI DI CHIUSURA

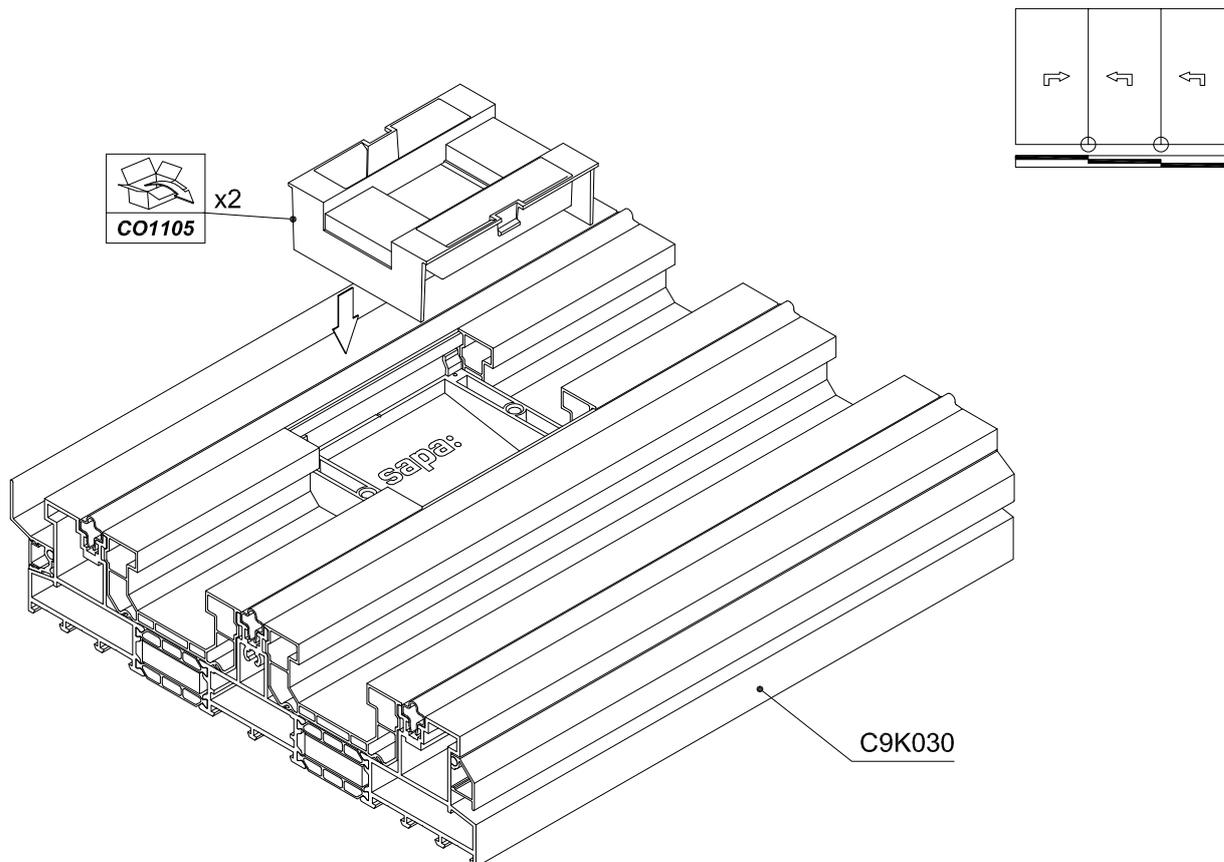


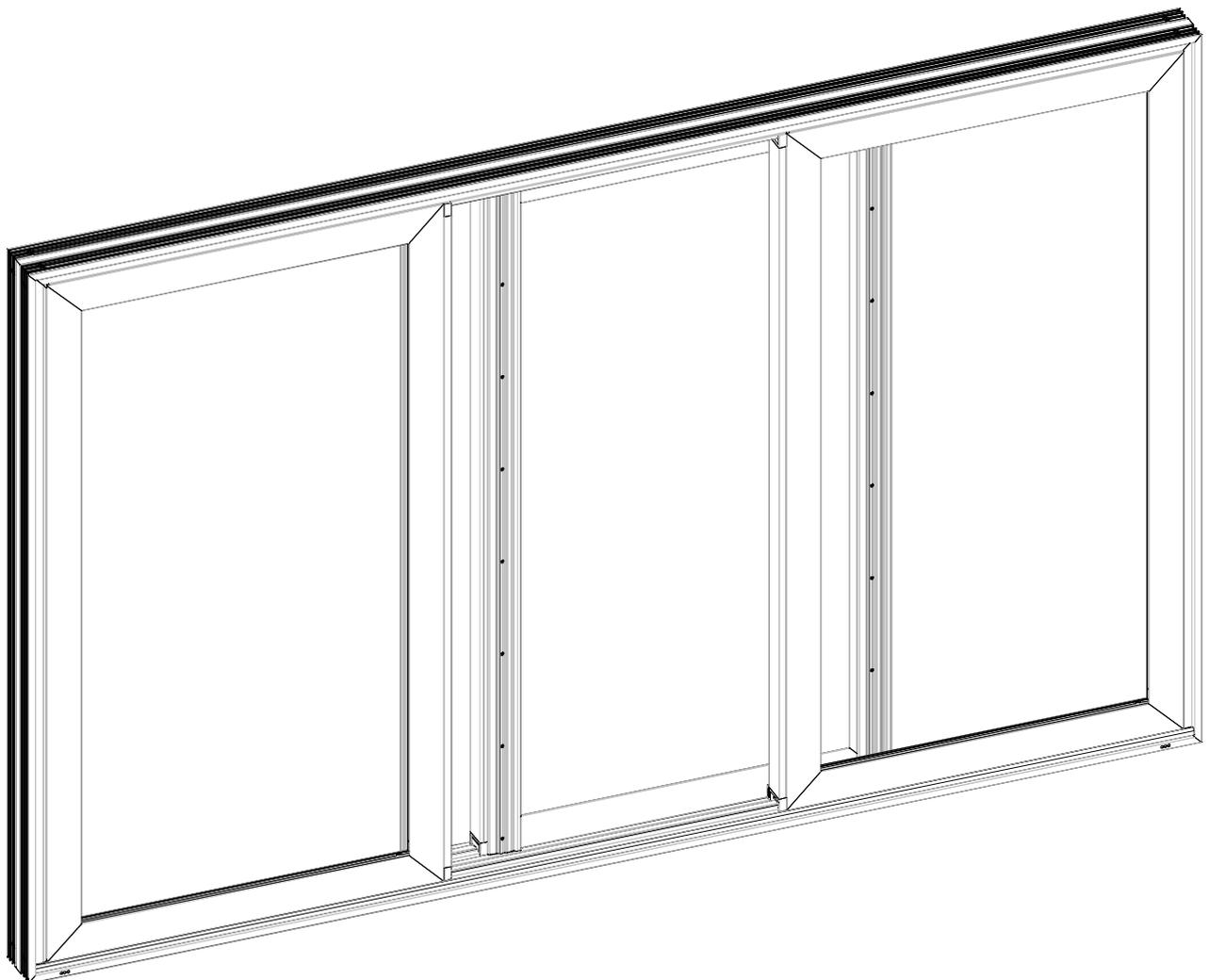
| | Hv | Hv | | | | |
|--|-------------|-----------------|-----|------|------|----------|
| | | | A | B | C | D |
| | 2010 - 2309 | ZB0034 | 750 | 1200 | 1600 | Hv - 271 |
| | 2310 - 2609 | ZB0035 | | | 1900 | |
| | 2610 - 2909 | ZB0036 | | | 2200 | |
| | 2910 - 3209 | ZB0035 + ZB0046 | | | 1900 | |
| | 3210 - 3509 | ZB0036 + ZB0046 | | | 2200 | |
| | 1312 - 2009 | ZB0033 | | 600 | 1000 | |

ASSEMBLAGGIO GUARNIZIONE DI FINITURA RU9704

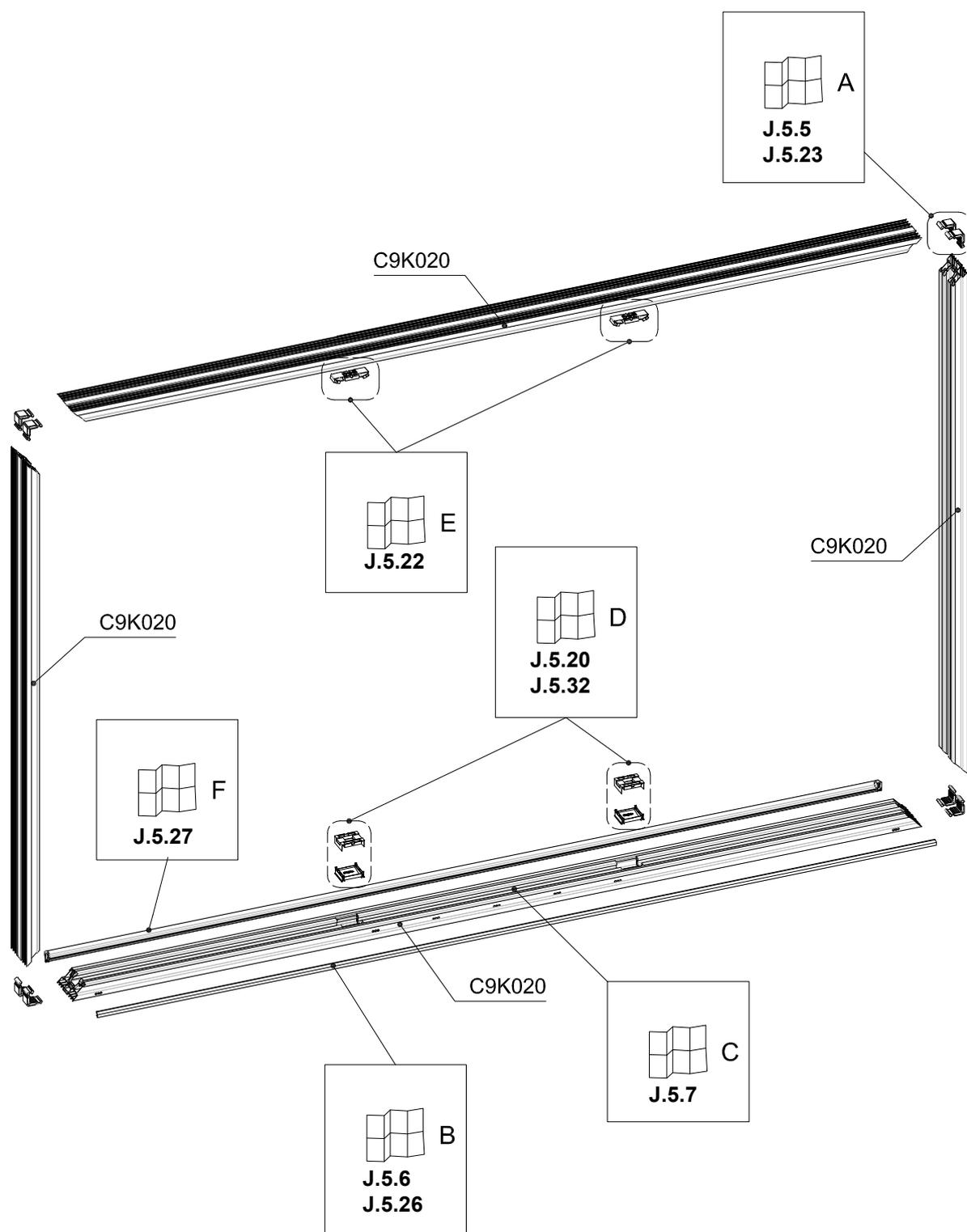


ASSEMBLAGGIO TAPPO CENTRALE CO1105/CO1104 PROFILATO INFERIORE C9K030





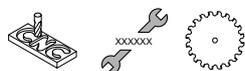
PANORAMICA ASSEMBLAGGIO



2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

CONTENUTO

| | |
|--|-------|
| 2-binari fisso-alzante-scorrevoles-fisso tagli 45° | J.6.1 |
| Panoramica assemblaggio | J.6.2 |
| Contenuto | J.6.3 |



| | |
|--|-------|
| Operazioni C9K020 + KU2028 e assemblaggio BT6006 | J.6.4 |
| Lavorazione squadrette per C9K020 | J.6.5 |



| | |
|---|--------|
| Operazioni cappetta di drenaggio | J.6.6 |
| C9K020 + KU2028 panoramica drenaggi | J.6.7 |
| C9K020 lavorazione drenaggio - J (optional 1/2) | J.6.8 |
| C9K020 lavorazione drenaggio - J (optional 2/2) | J.6.9 |
| C9K020 lavorazione drenaggio - H | J.6.10 |
| C9K020 lavorazione drenaggio - B | J.6.11 |
| C9K020 lavorazione drenaggio - A | J.6.12 |
| C9K020 lavorazione drenaggio - G | J.6.13 |
| C9K020 lavorazione drenaggio - M | J.6.14 |
| KU2028 lavorazione drenaggio - K1 | J.6.15 |
| KU2028 lavorazione drenaggio - K2 | J.6.16 |
| KU2028 lavorazione drenaggio - K3 | J.6.17 |

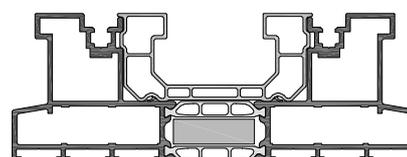
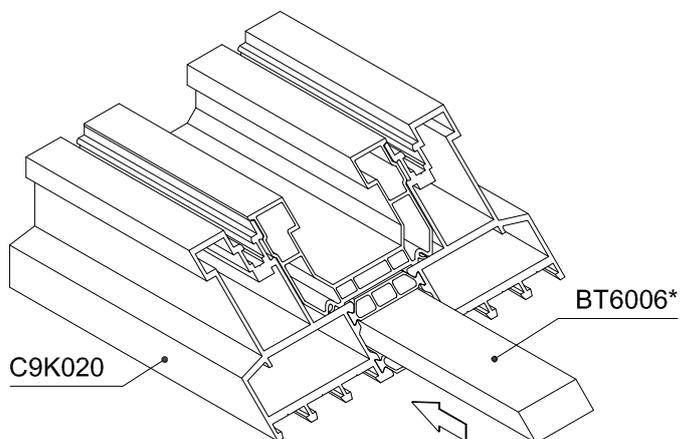
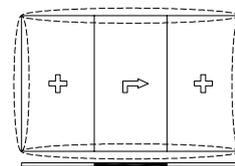
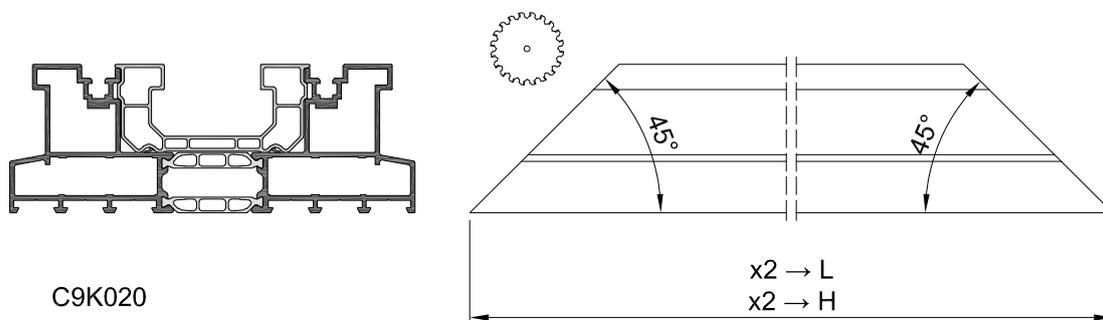
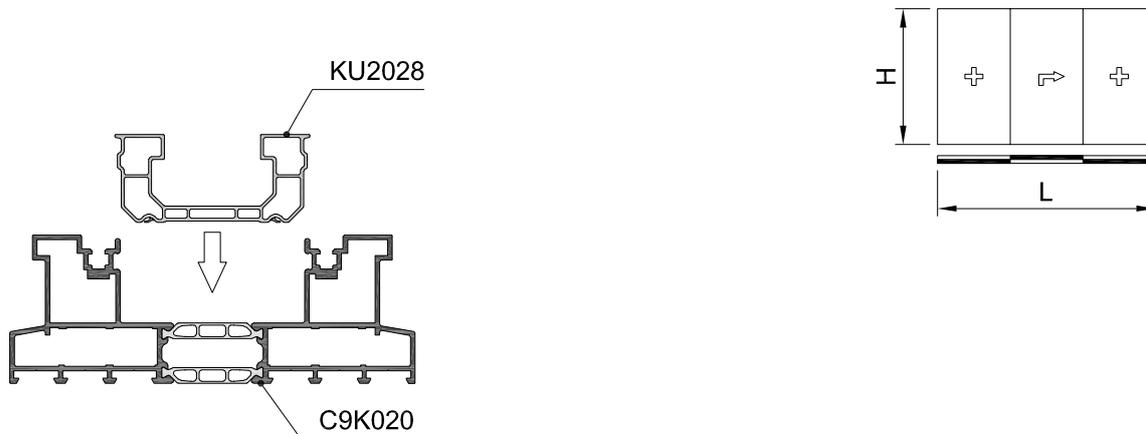


| | |
|---|--------|
| Assemblaggio VS0107 e KU2028 su C9K020 profilato inferiore | J.6.18 |
| Assemblaggio tappo centrale CO1105 profilato inferiore | J.6.19 |
| Sigillatura profilato inferiore C9K020 con VS9950 e VS9951 | J.6.21 |
| Assemblaggio tappo centrale CO1111 profilato superiore C9K020 | J.6.22 |



| | |
|--|--------|
| Assemblaggio profilati telai con squadrette | J.6.23 |
| Assemblaggio cappetta di drenaggio C9A003 | J.6.26 |
| Preparazione C9A004 + VS2404 | J.6.27 |
| Assemblaggio C9A004 + VS2404 | J.6.28 |
| Assemblaggio C9A004 + VS2404 - optional | J.6.29 |
| Assemblaggio CO1103 e ZB0038 | J.6.30 |
| Assemblaggio guarnizione di finitura RU9704 | J.6.31 |
| Assemblaggio tappo centrale CO1105 profilato inferiore | J.6.32 |

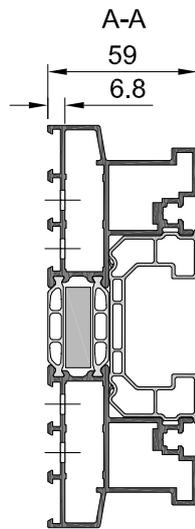
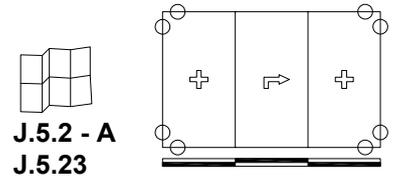
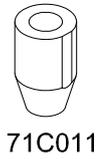
OPERAZIONI C9K020 + KU2028 E ASSEMBLAGGIO BT6006



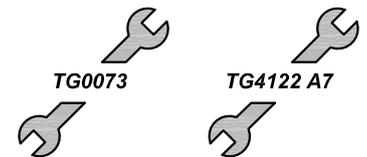
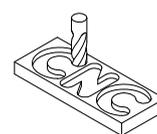
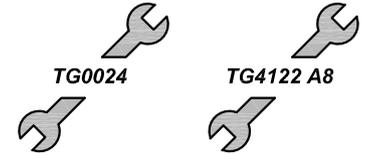
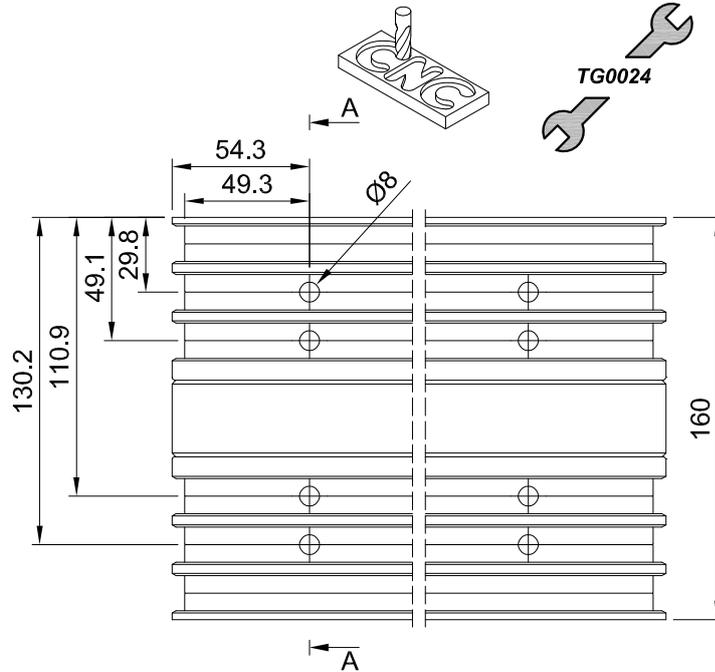
| | BT6006 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |

2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

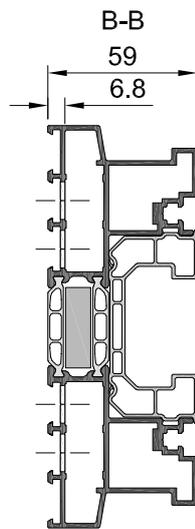
LAVORAZIONE SQUADRETTE PER C9K020



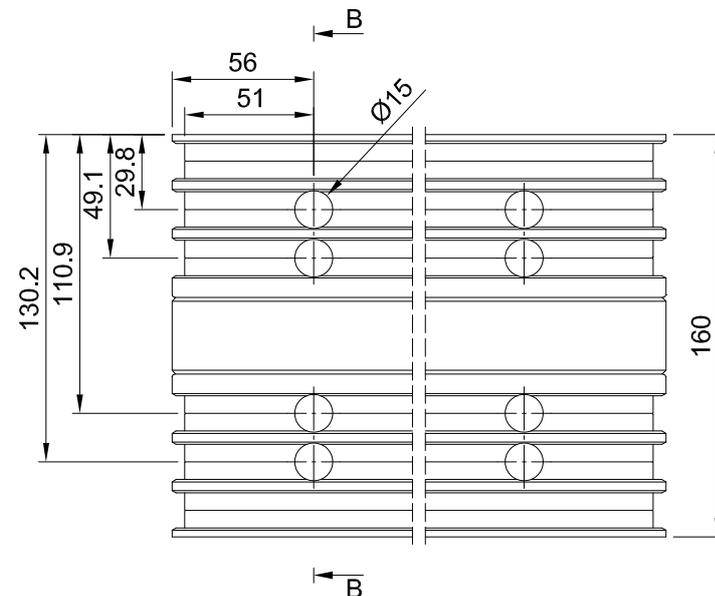
C9K020



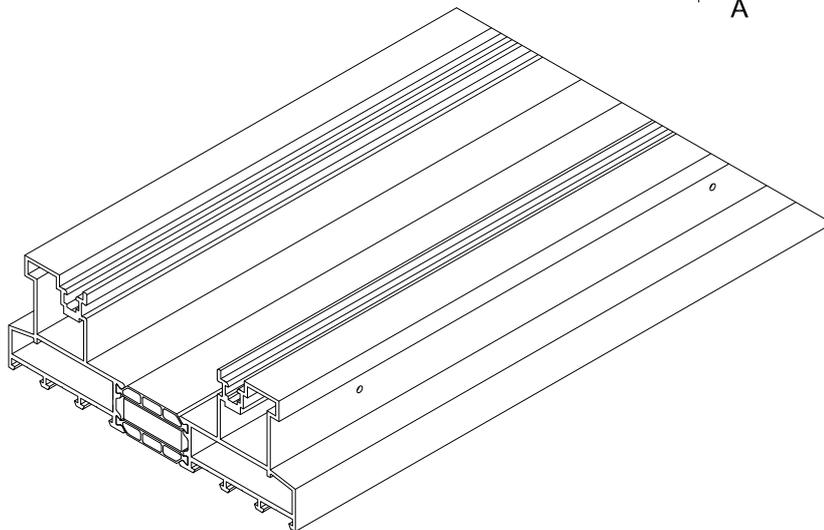
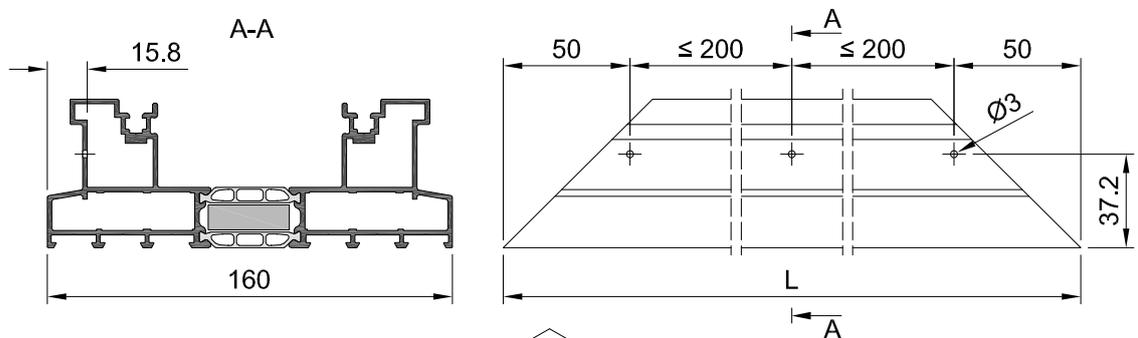
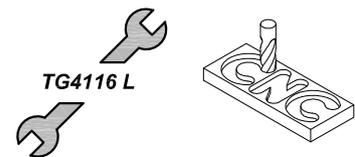
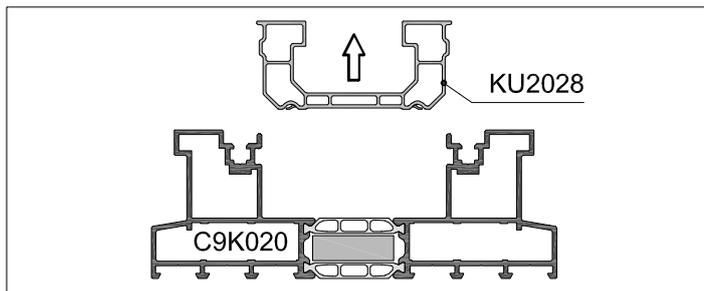
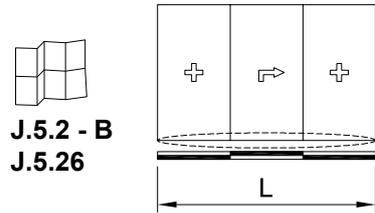
+ TG9011



C9K020



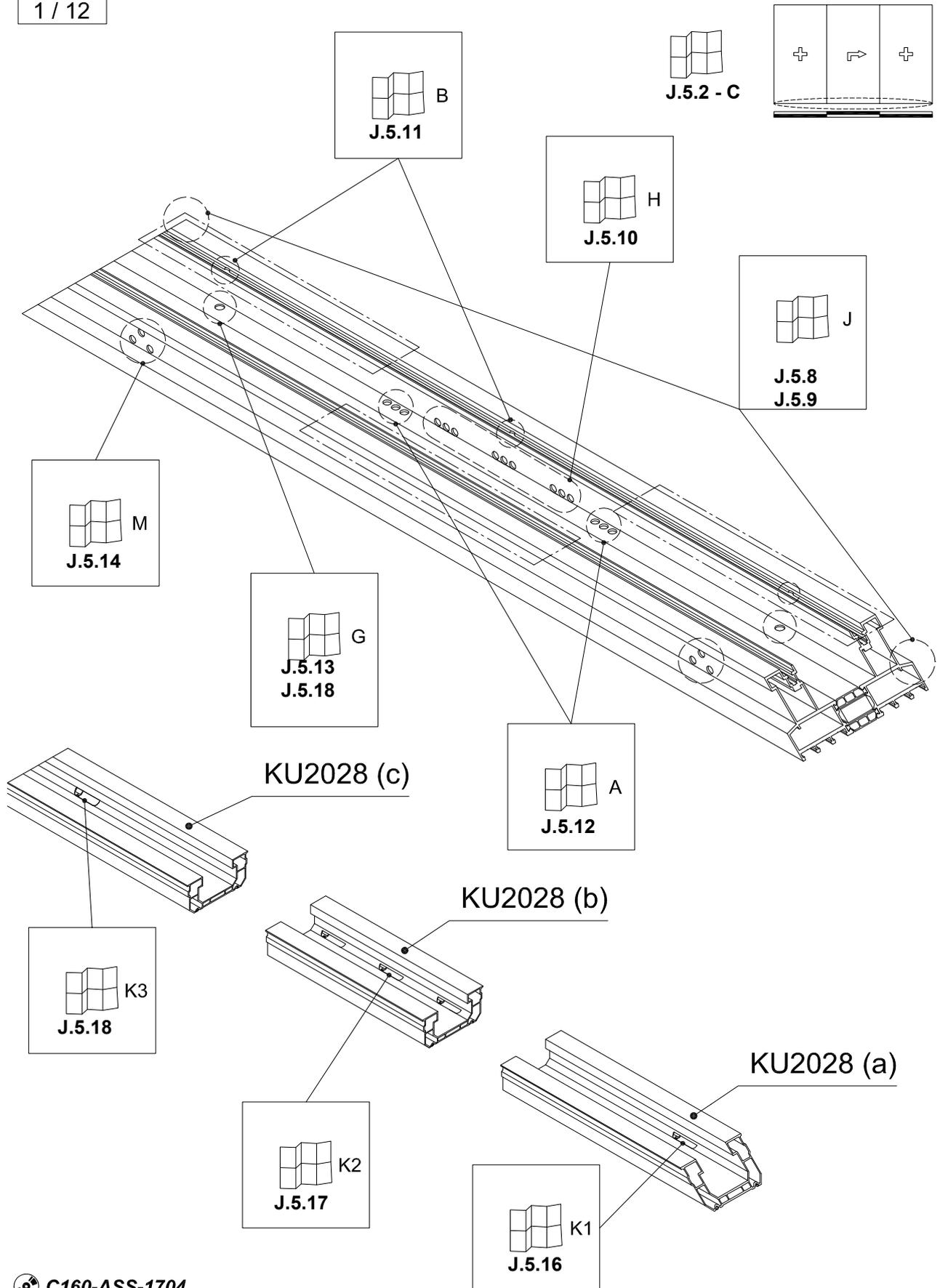
OPERAZIONI CAPPETTA DI DRENAGGIO



2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

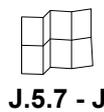
C9K020 + KU2028 PANORAMICA DRENAGGI

1 / 12

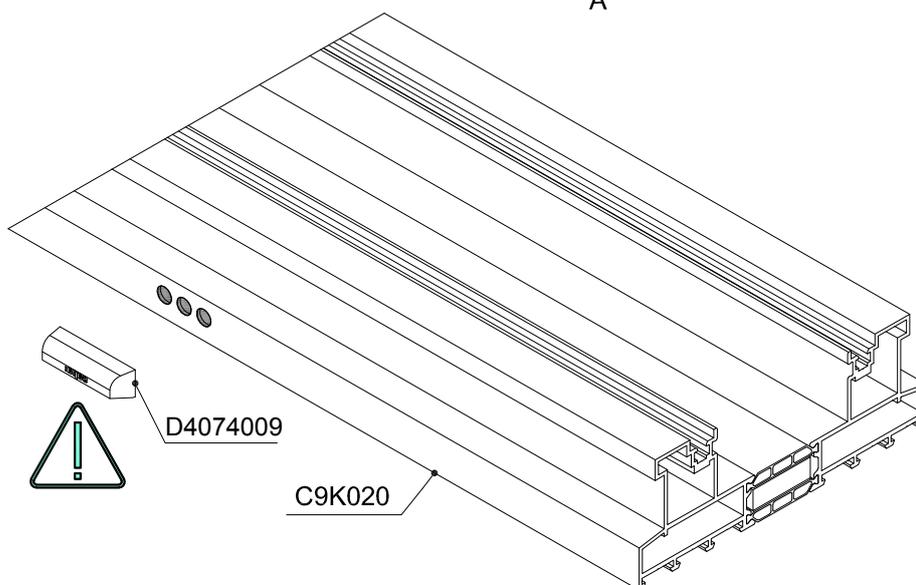
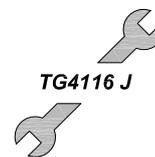
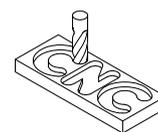
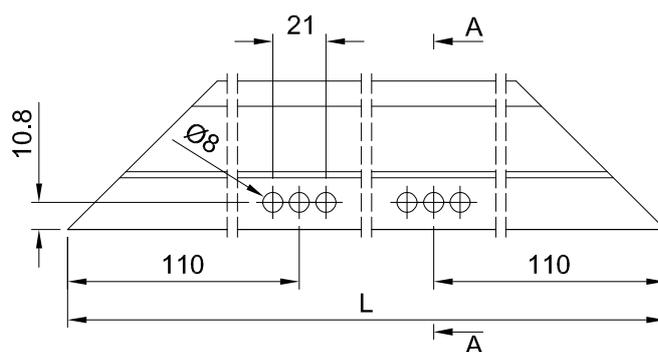
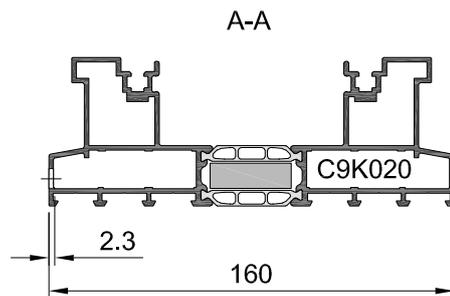
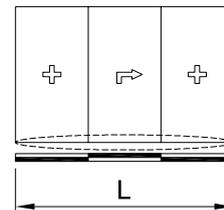


C9K020 LAVORAZIONE DRENAGGIO - J (OPTIONAL 1/2)

2 / 12



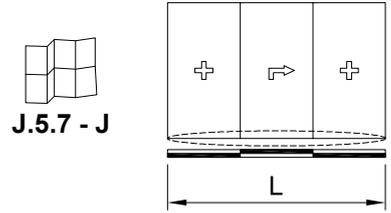
J.5.7 - J



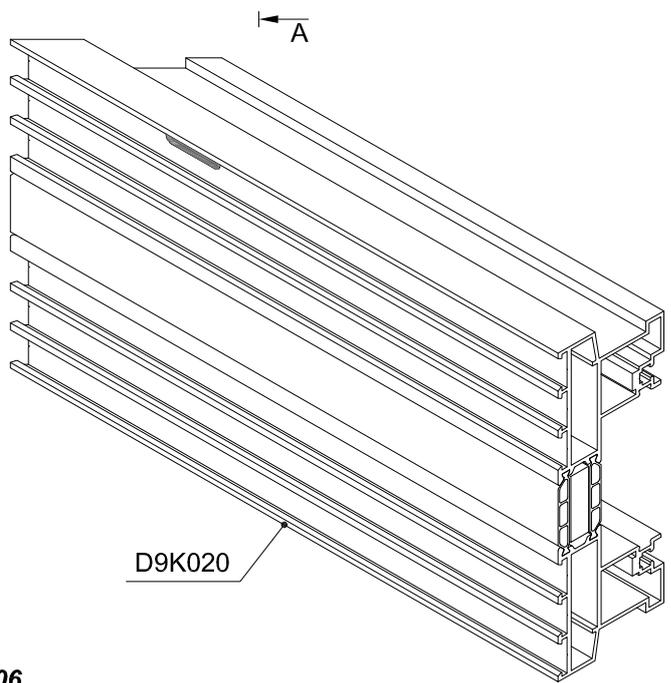
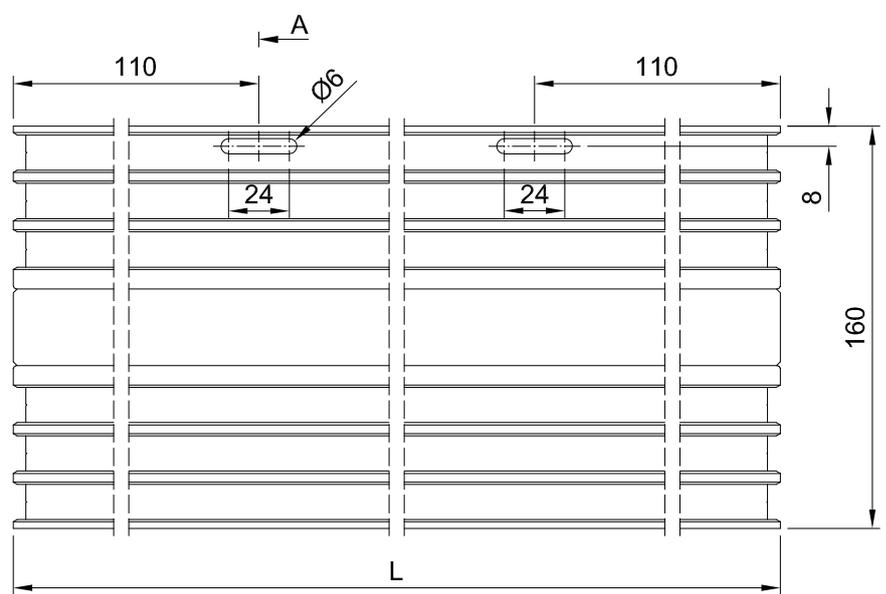
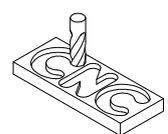
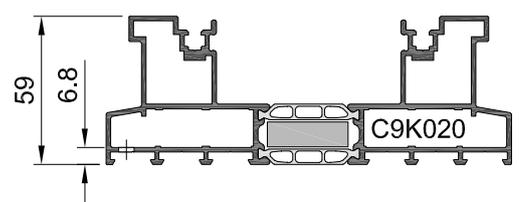
2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

C9K020 LAVORAZIONE DRENAGGIO - J (OPTIONAL 2/2)

3 / 12



A-A

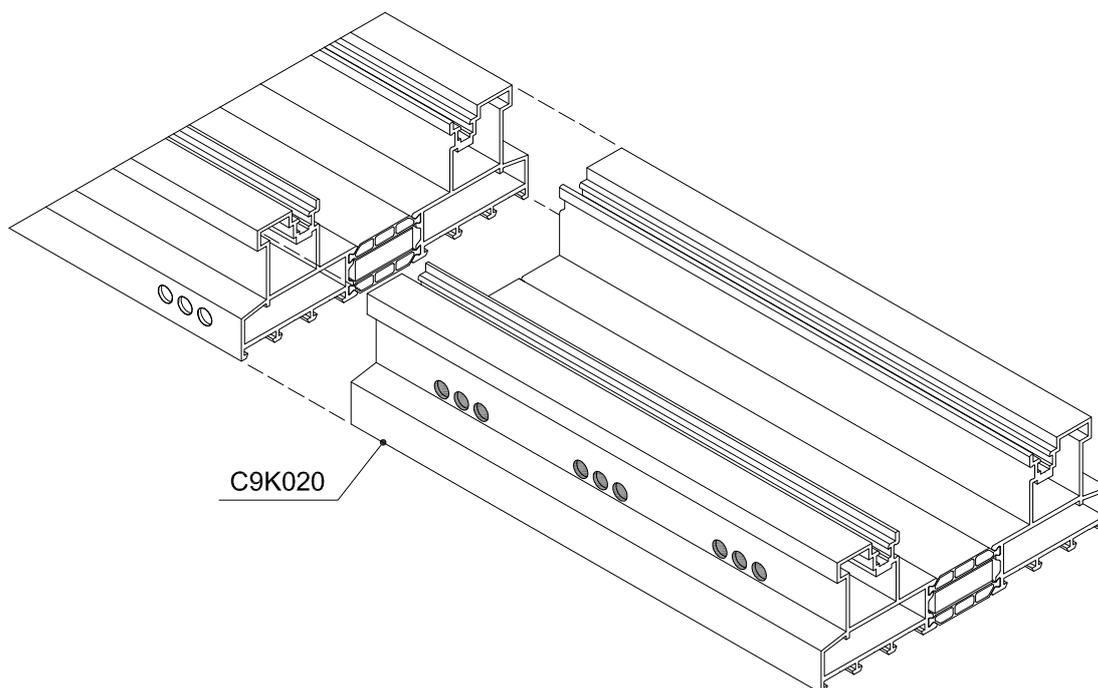
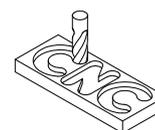
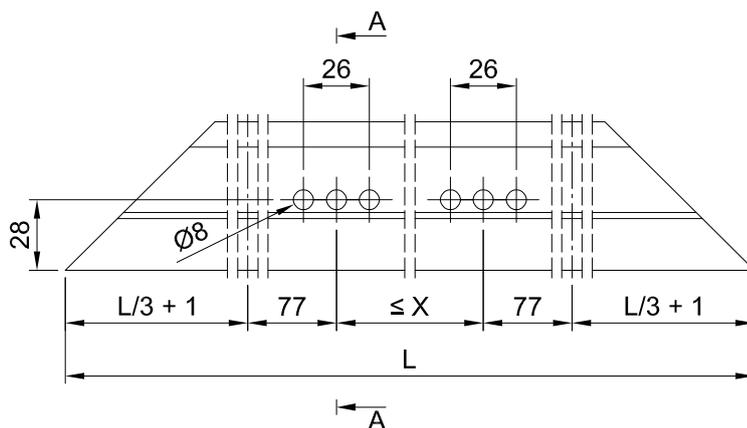
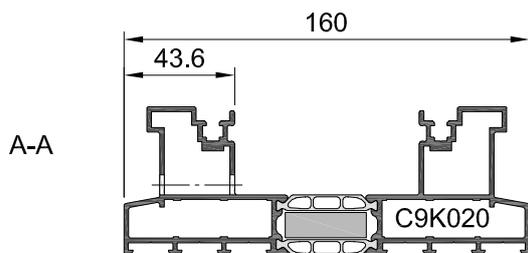
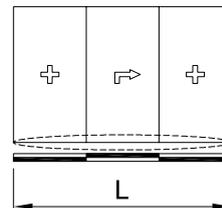


C9K020 LAVORAZIONE DRENAGGIO - H

4 / 12



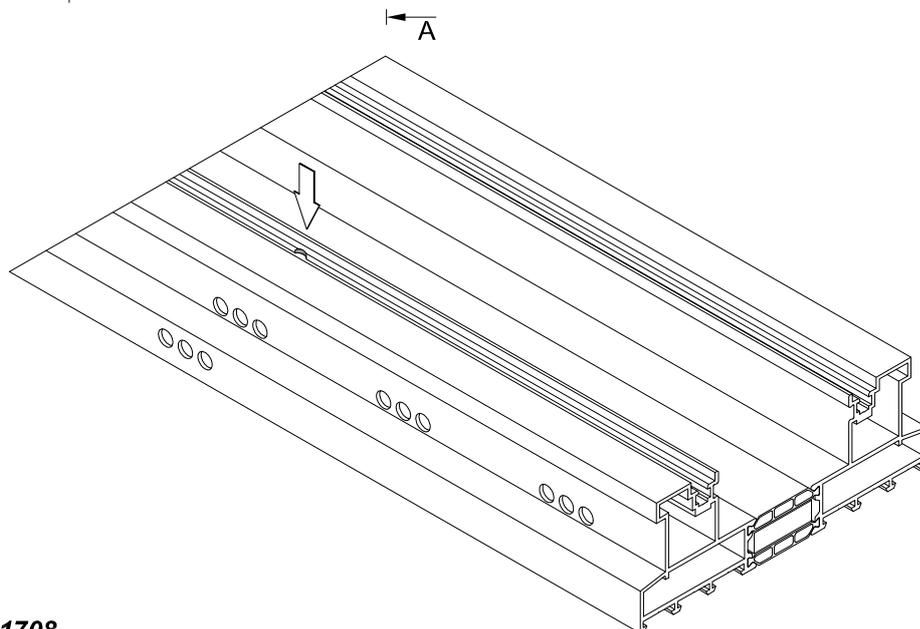
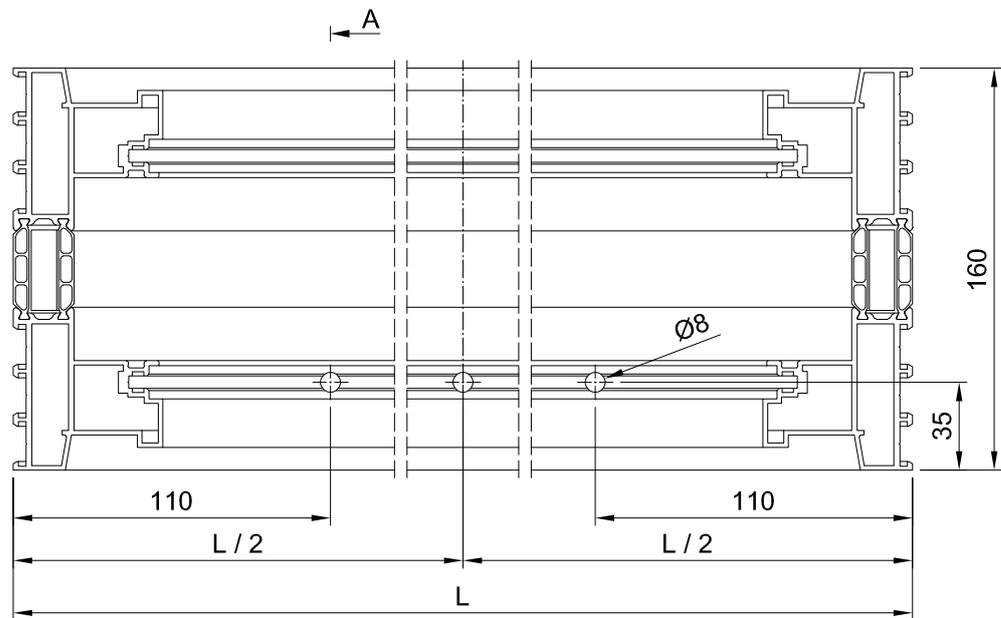
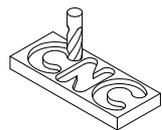
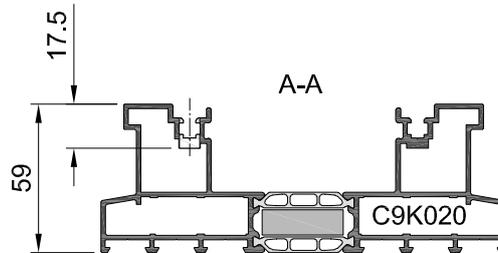
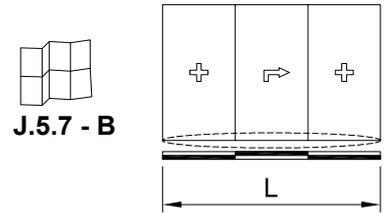
J.5.7 - H
X → J.1.4



2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

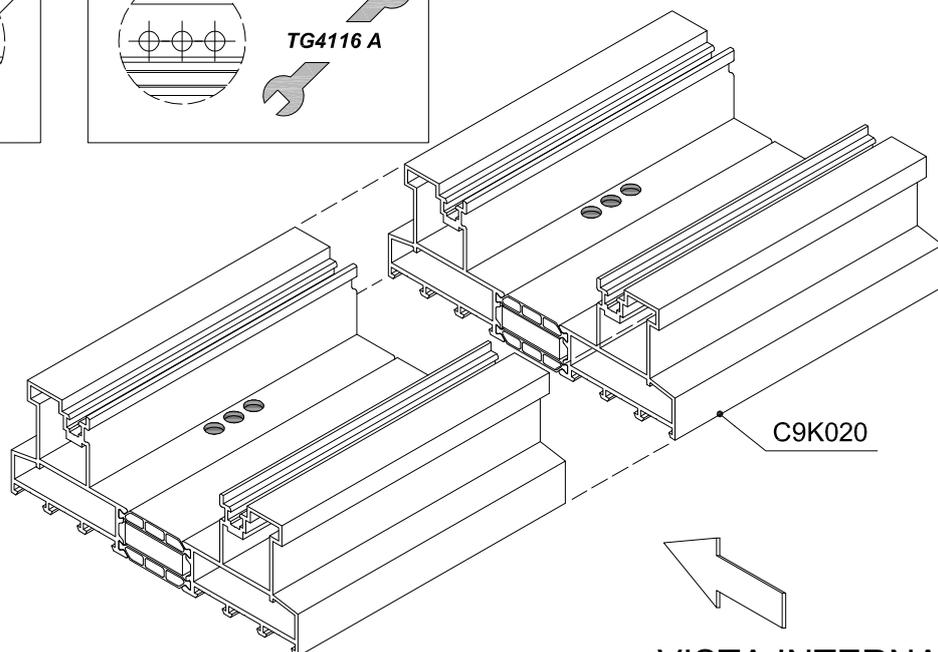
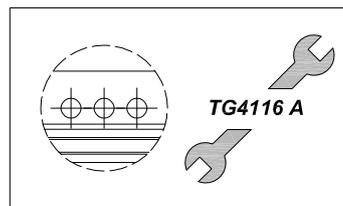
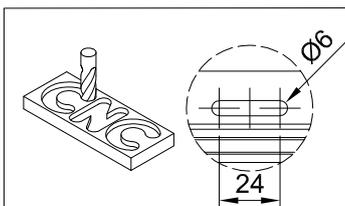
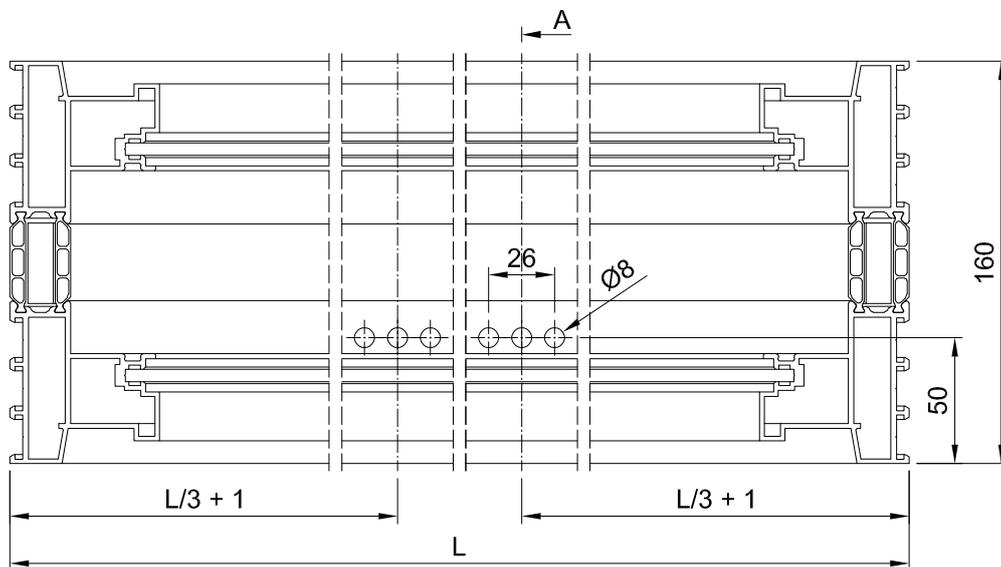
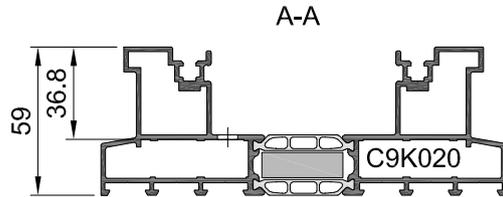
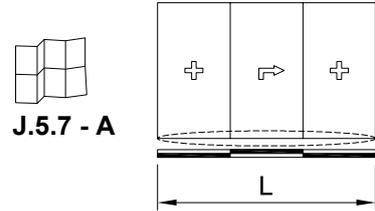
C9K020 LAVORAZIONE DRENAGGIO - B

5 / 12



C9K020 LAVORAZIONE DRENAGGIO - A

6 / 12

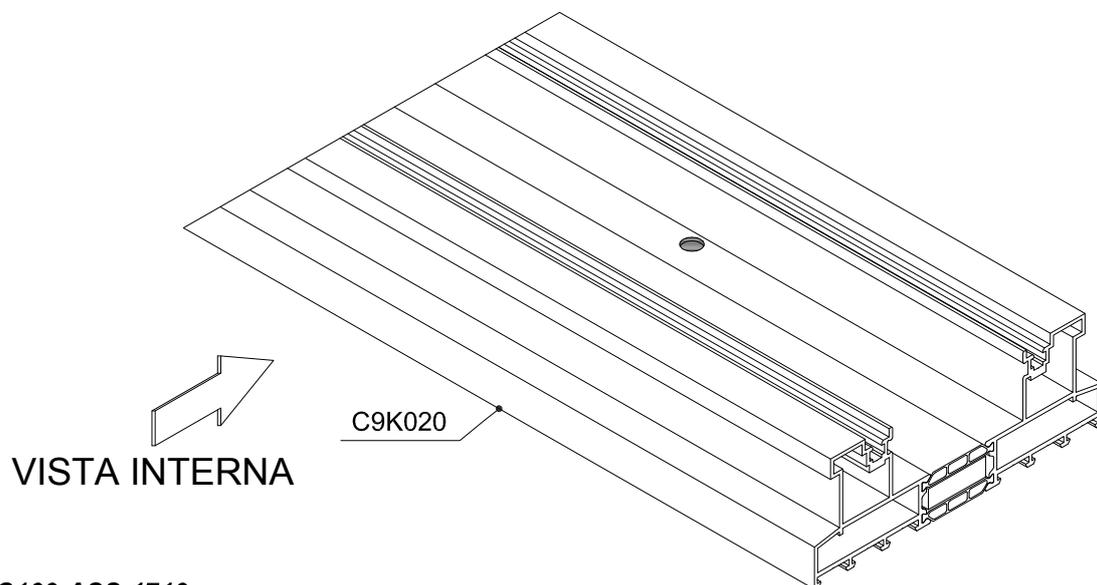
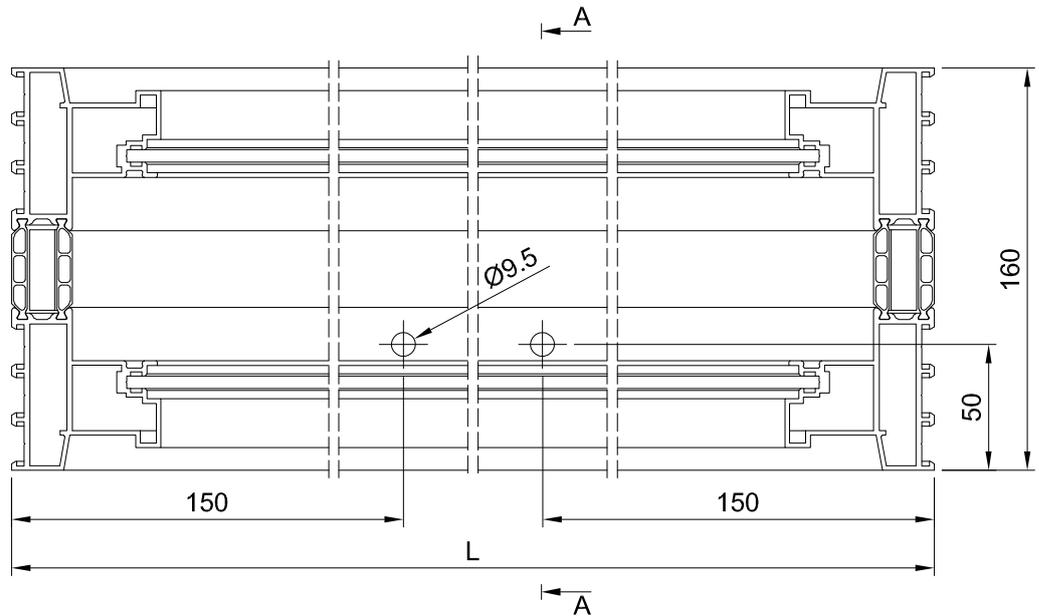
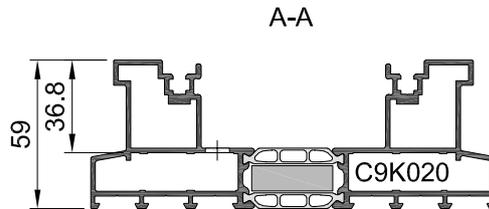
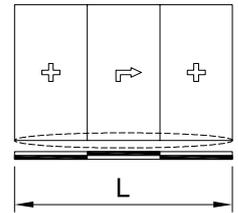


2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

C9K020 LAVORAZIONE DRENAGGIO - G

7 / 12

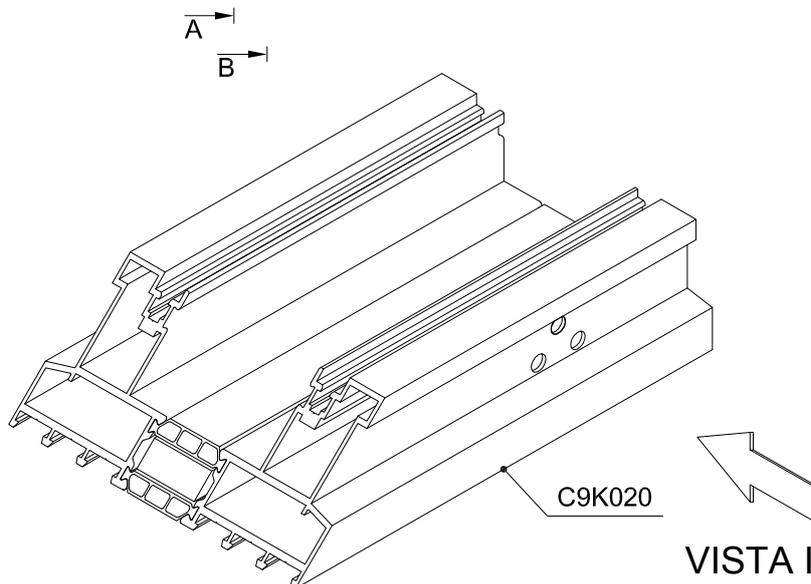
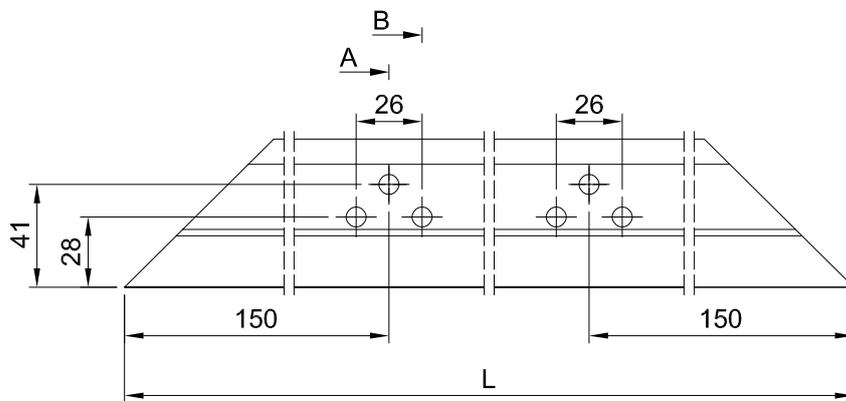
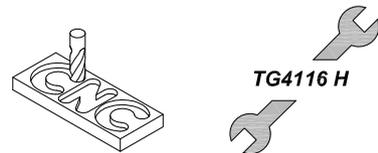
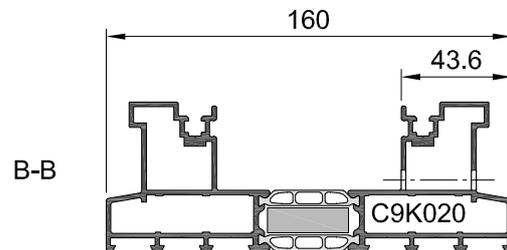
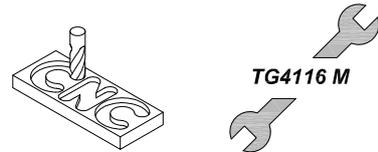
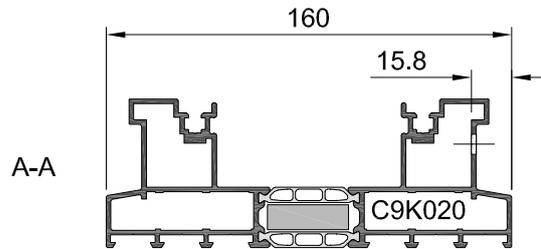
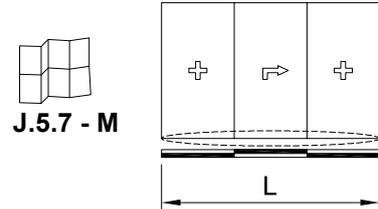

J.5.7 - G
J.5.18



 C160-ASS-1710

C9K020 LAVORAZIONE DRENAGGIO - M

8 / 12

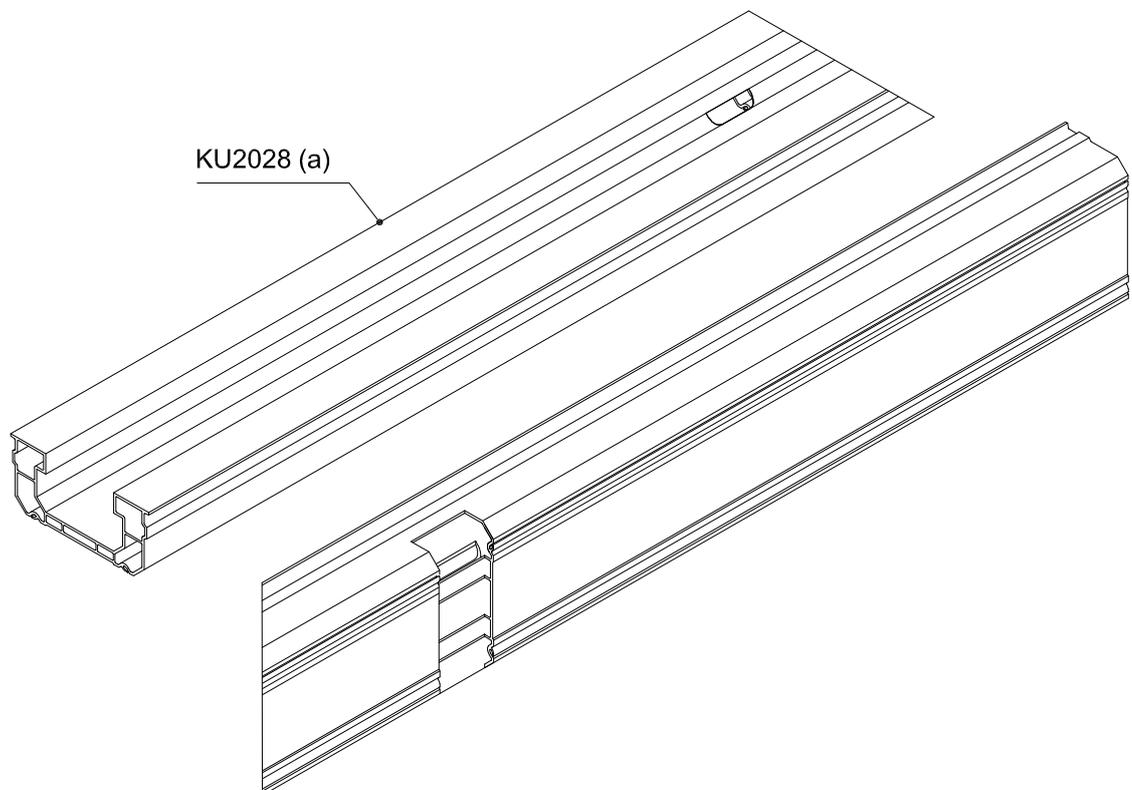
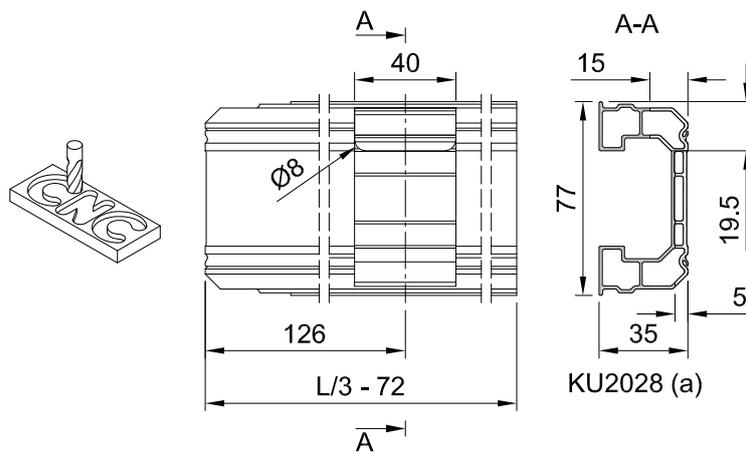
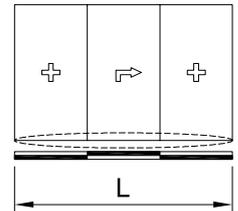


KU2028 LAVORAZIONE DRENAGGIO - K1

9 / 12



J.5.8 - K1

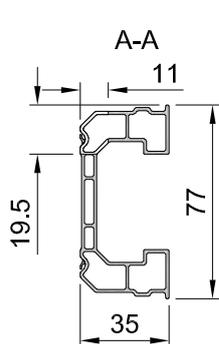
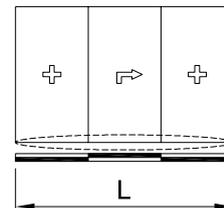


KU2028 LAVORAZIONE DRENAGGIO - K2

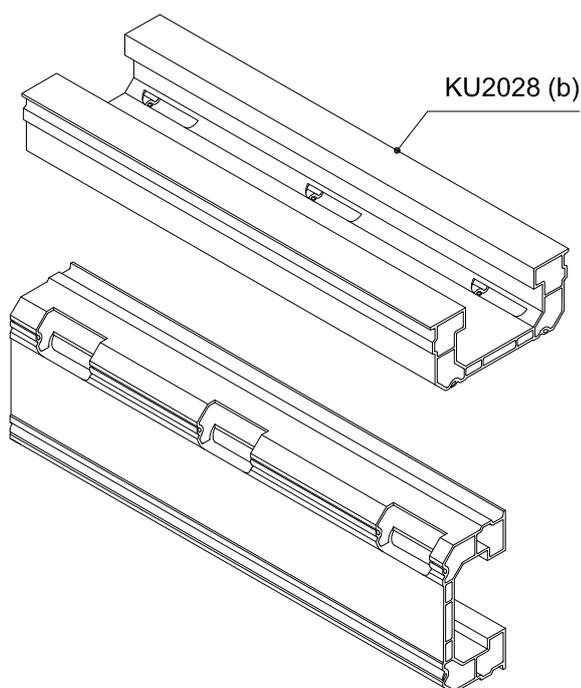
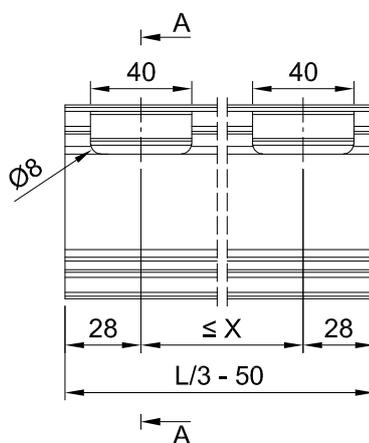
10 / 12



J.5.8 - K2



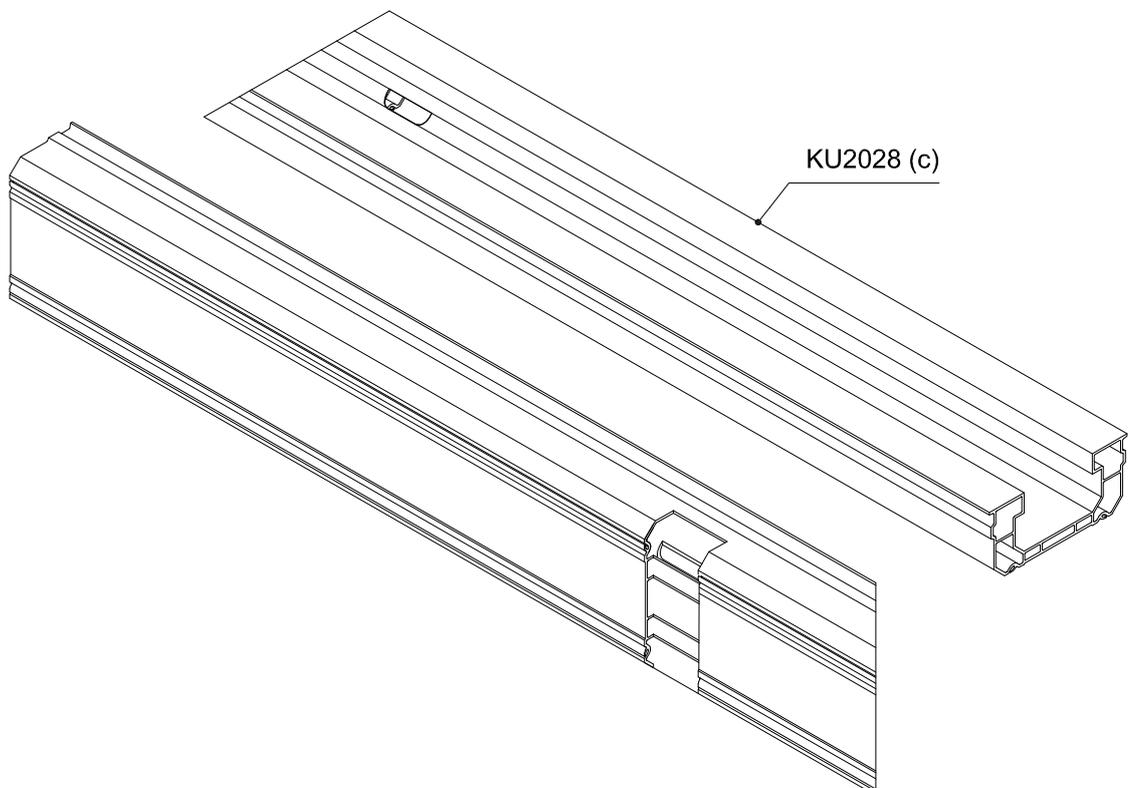
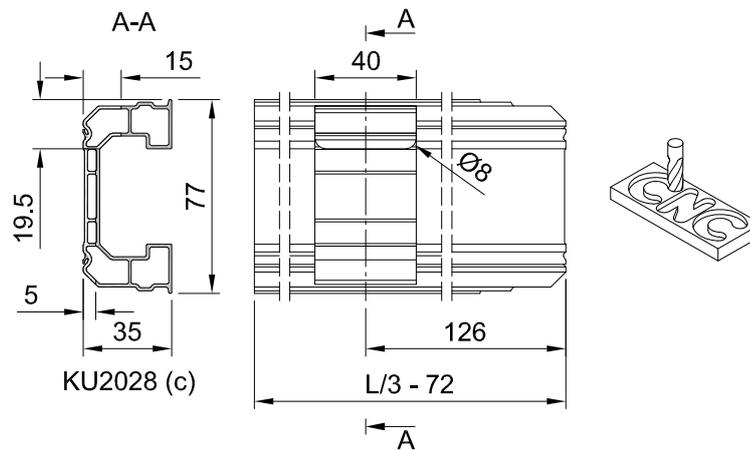
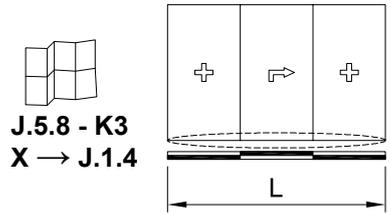
KU2028 (b)



2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

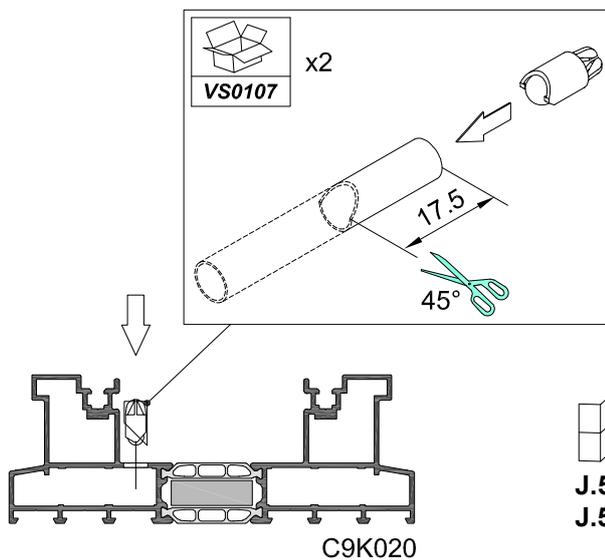
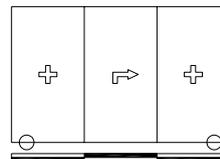
KU2028 LAVORAZIONE DRENAGGIO - K3

11 / 12

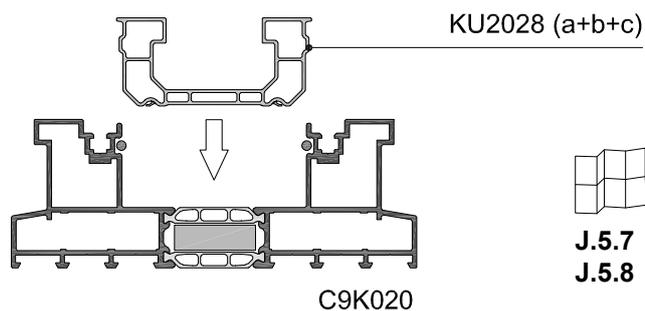
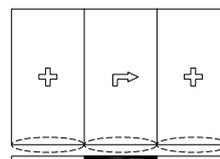
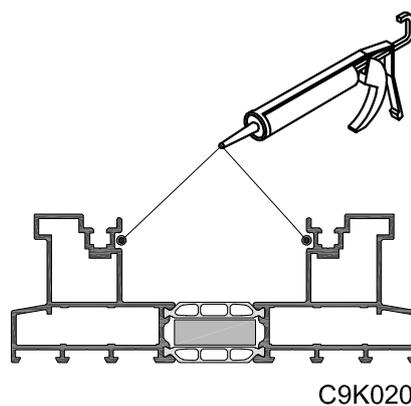


ASSEMBLAGGIO VS0107 E KU2028 SU C9K020 PROFILATO INFERIORE

12 / 12




J.5.7 - E
J.5.13




J.5.7
J.5.8

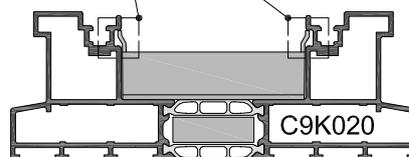
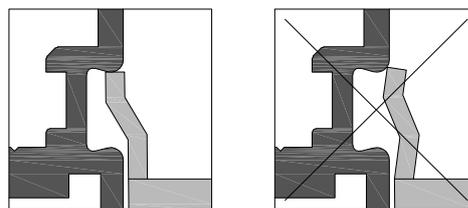
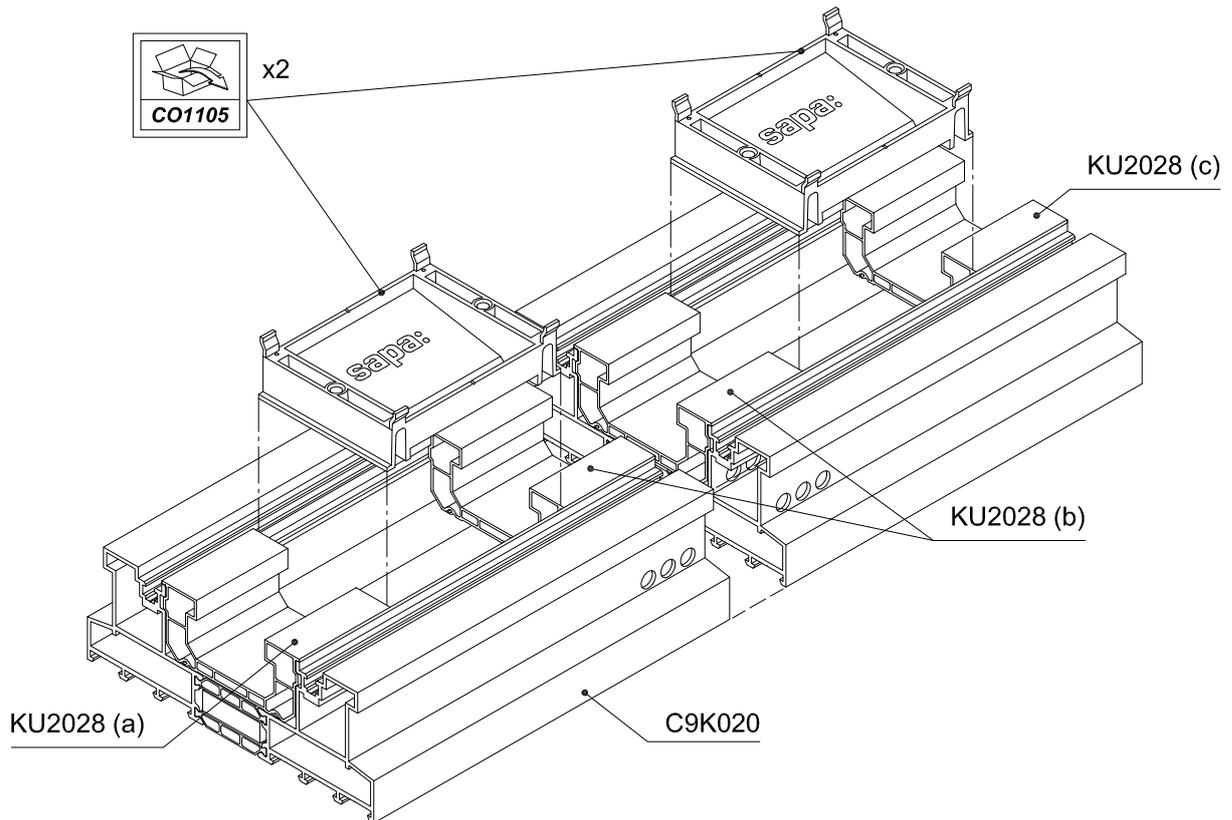
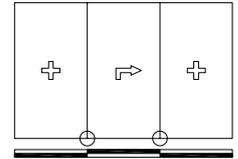
2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE

1 / 2



J.5.2 - D
J.5.32

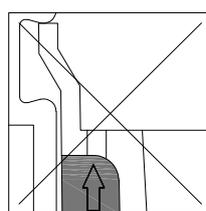
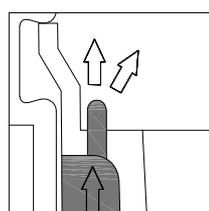
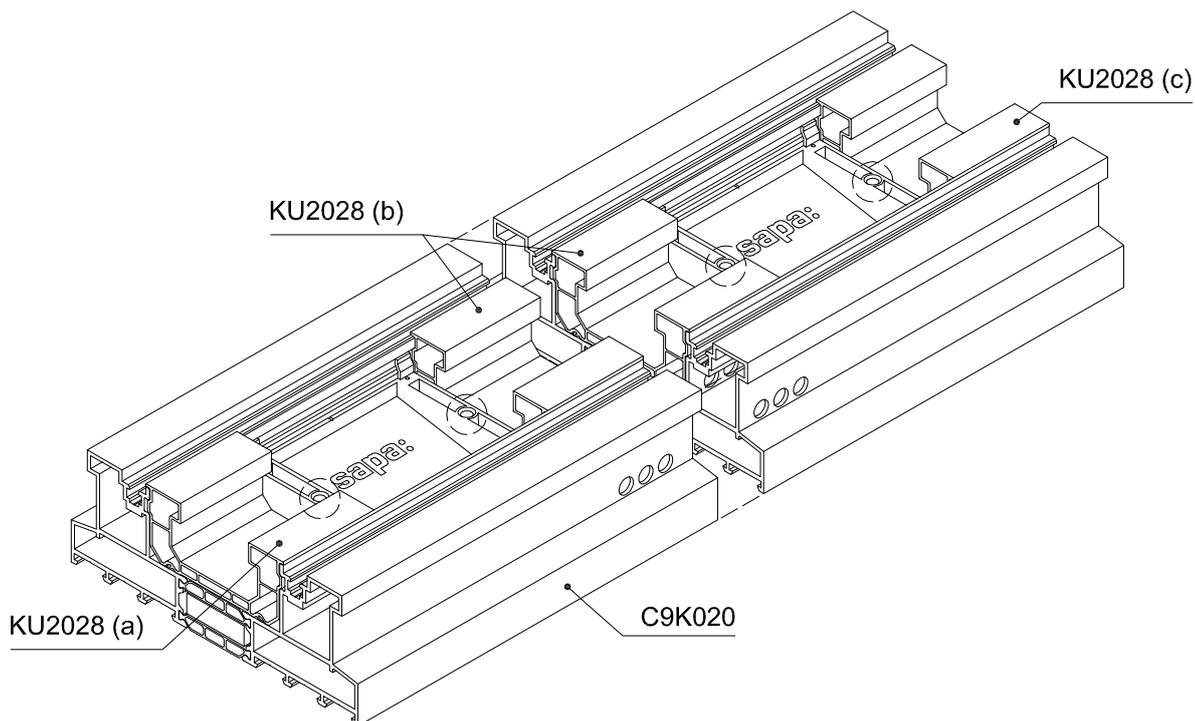
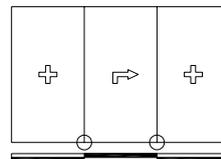


ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE

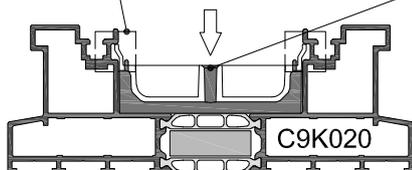
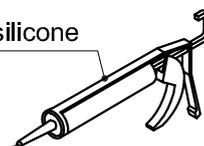
2 / 2



J.5.2 - D
J.5.32

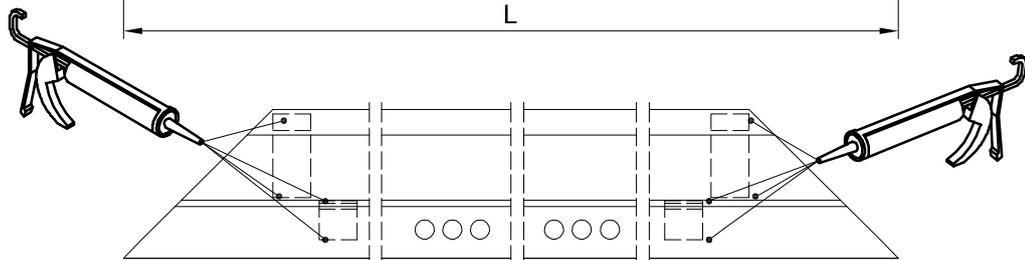
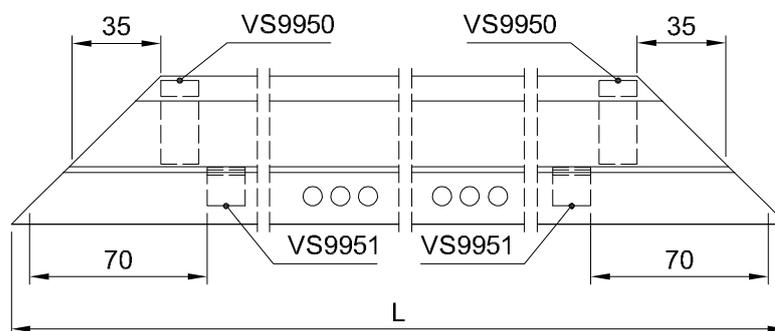
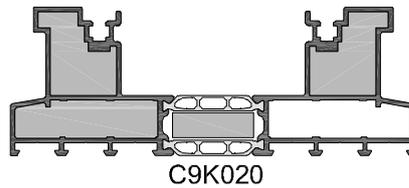
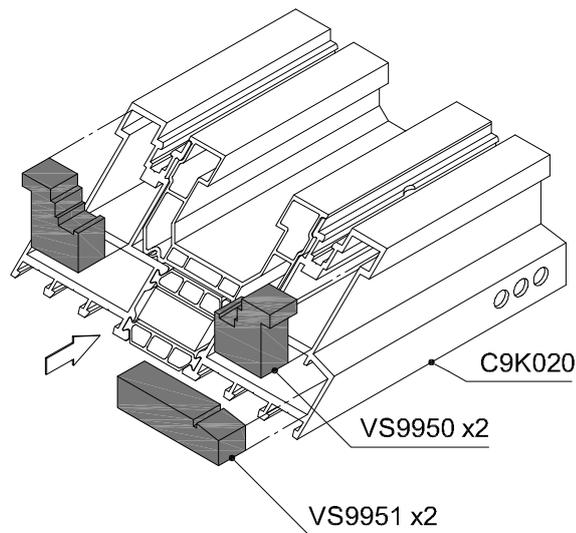
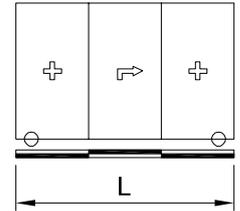


silicone

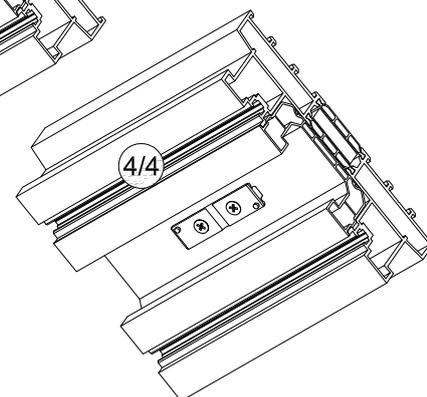
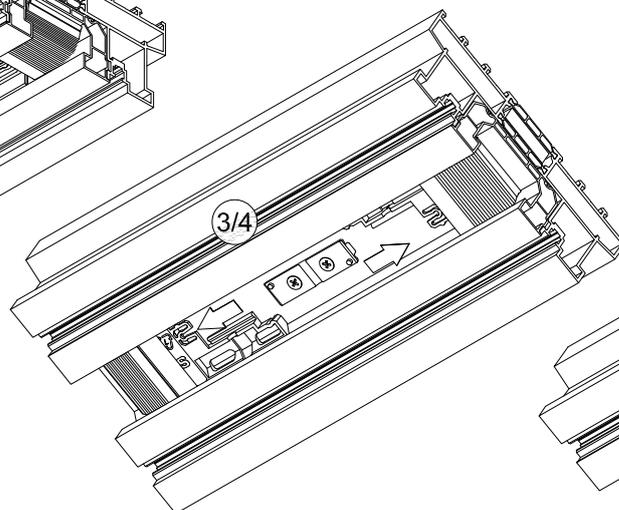
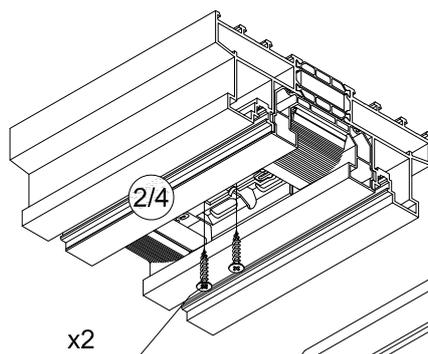
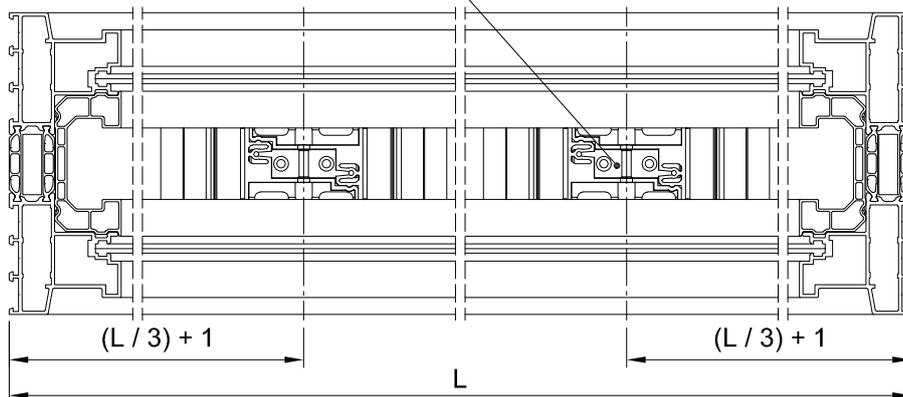
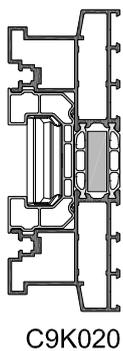
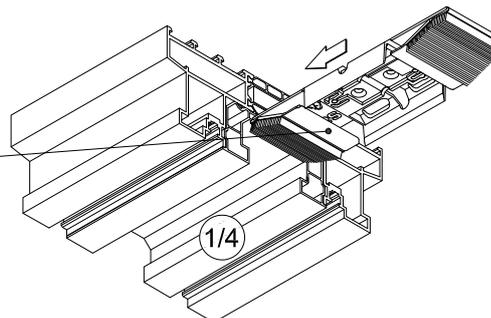
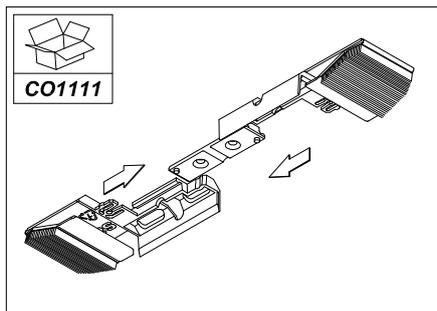
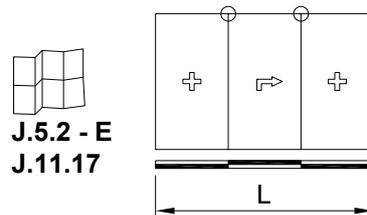


2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

SIGILLATURA PROFILATO INFERIORE C9K020 CON VS9950 E VS9951



ASSEMBLAGGIO TAPPO CENTRALE CO1111 PROFILATO SUPERIORE C9K020



C160-ASS-1702

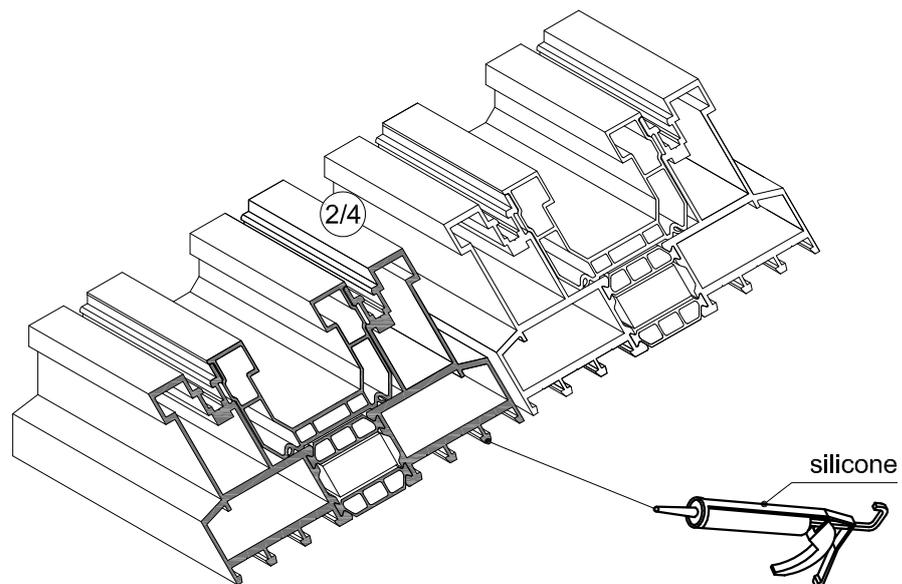
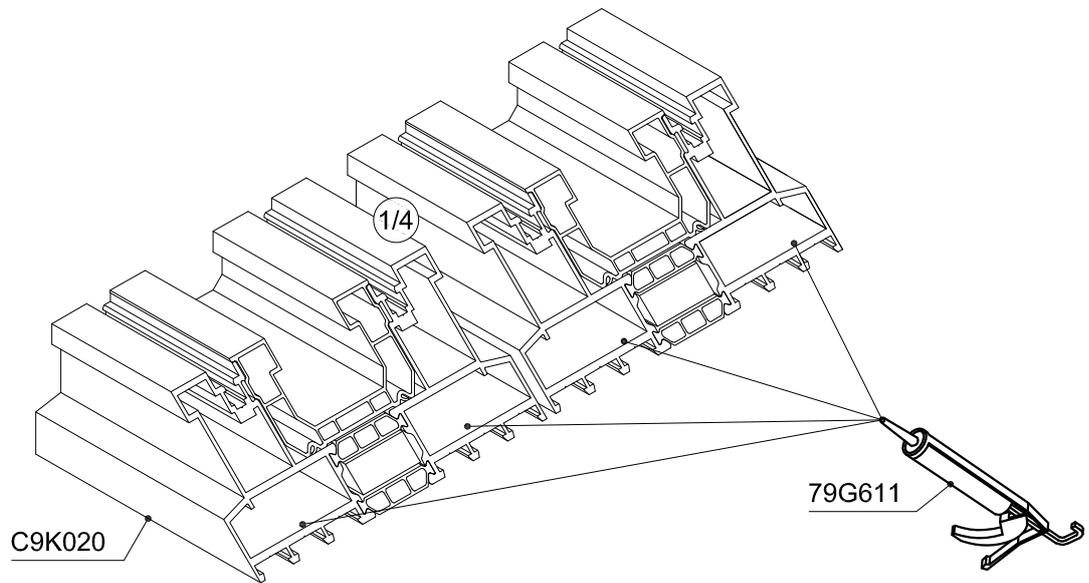
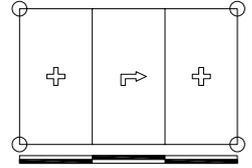
2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

1 / 3



J.5.2 - A
J.5.5

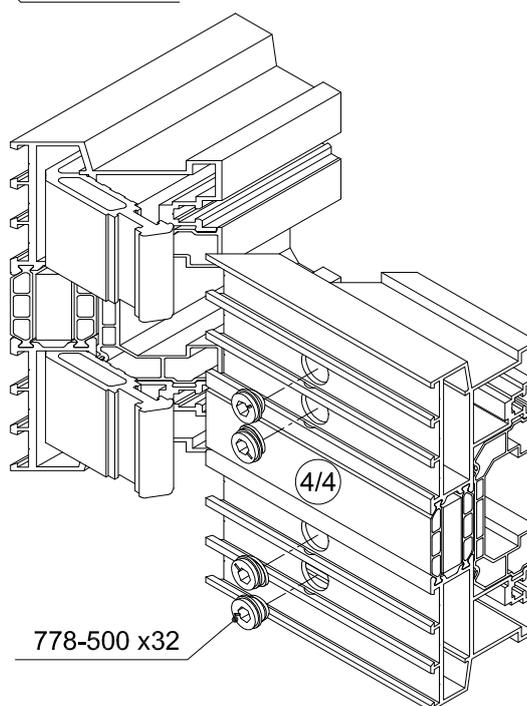
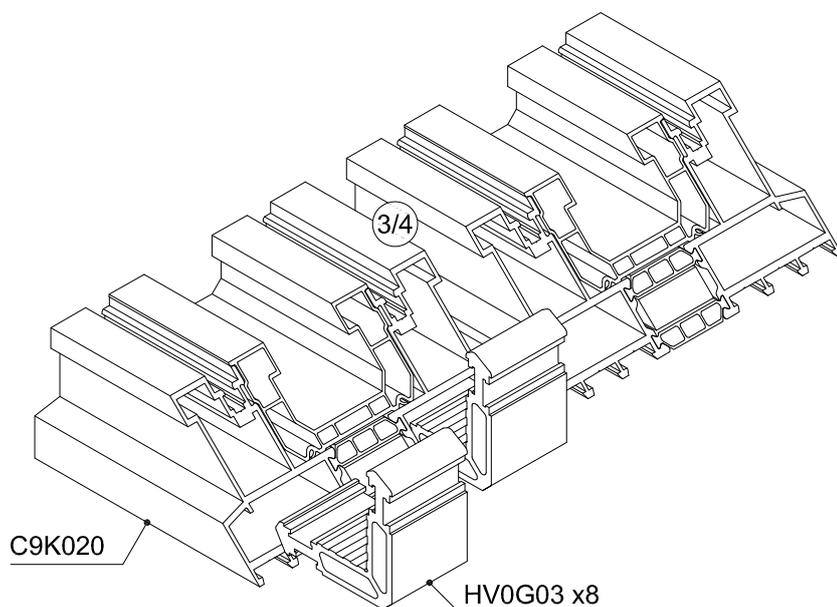
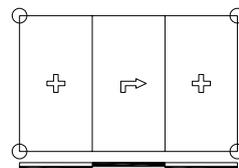


ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

2 / 3



J.5.2 - A
J.5.5



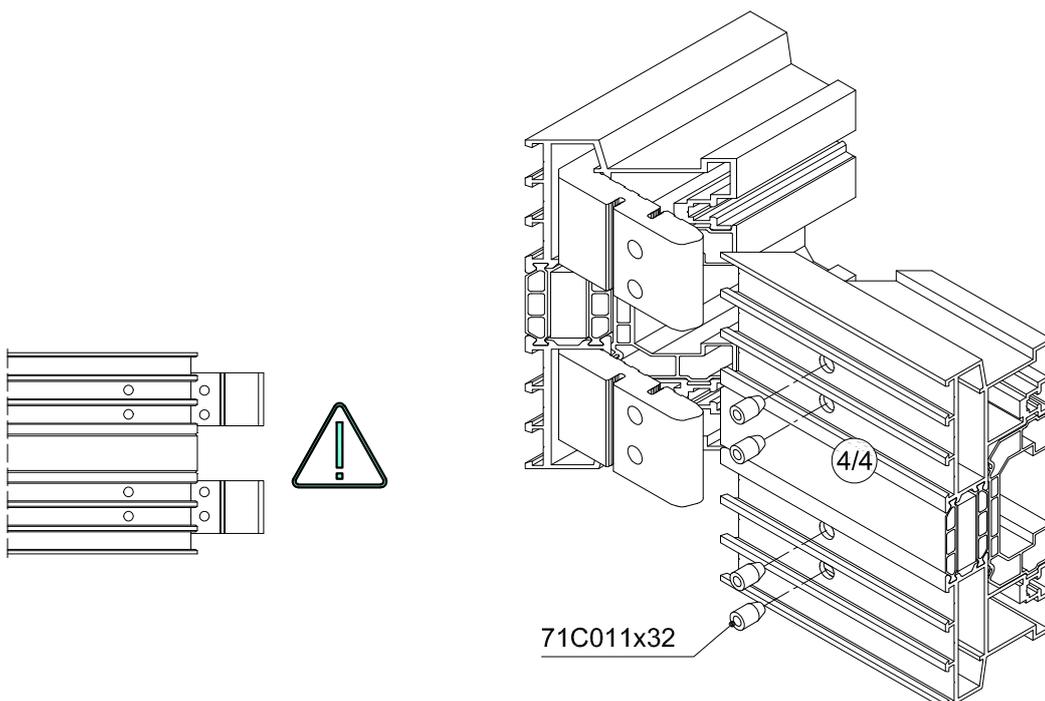
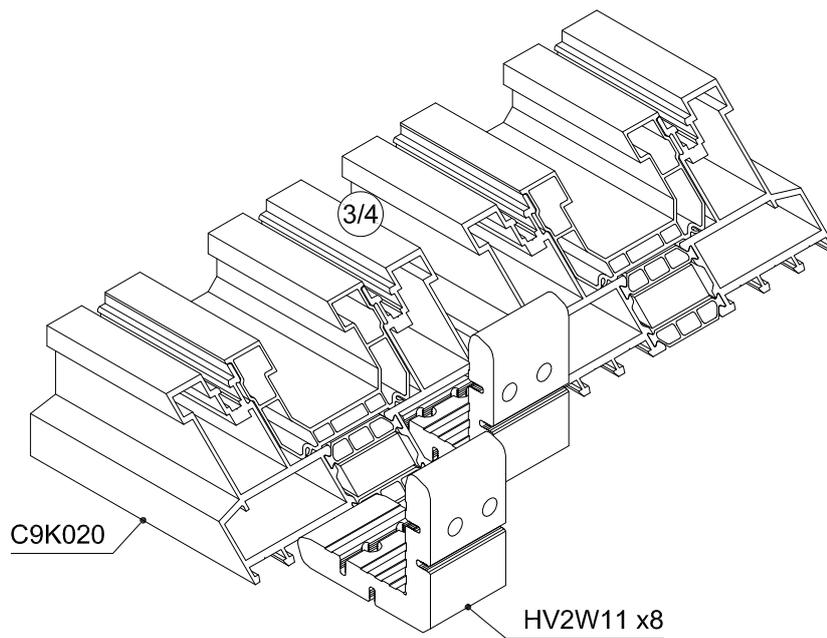
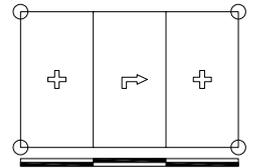
2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

ASSEMBLAGGIO PROFILATI TELAI CON SQUADRETTE

3 / 3



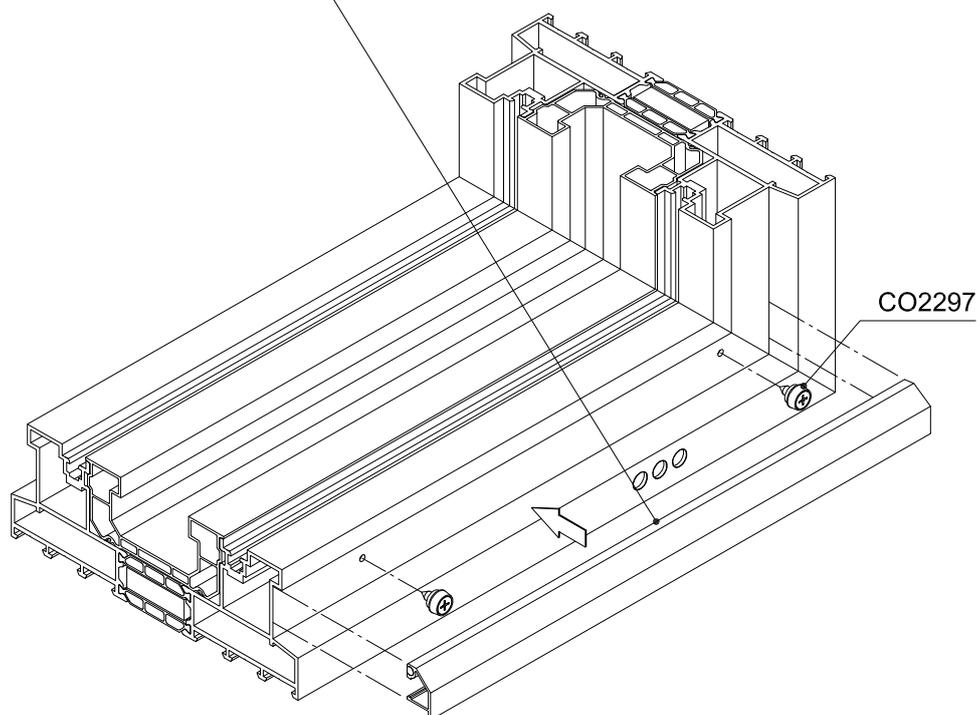
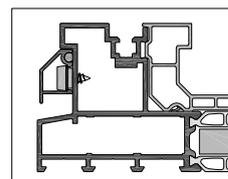
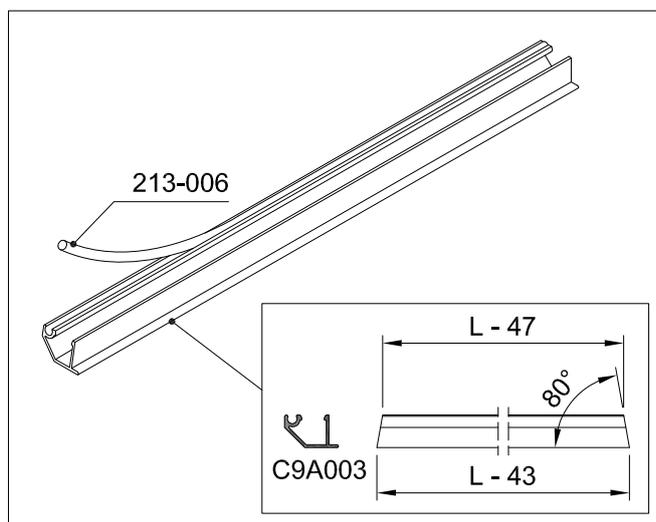
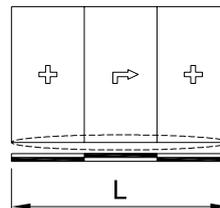
J.5.2 - A
J.5.5



ASSEMBLAGGIO CAPPETTA DI DRENAGGIO C9A003



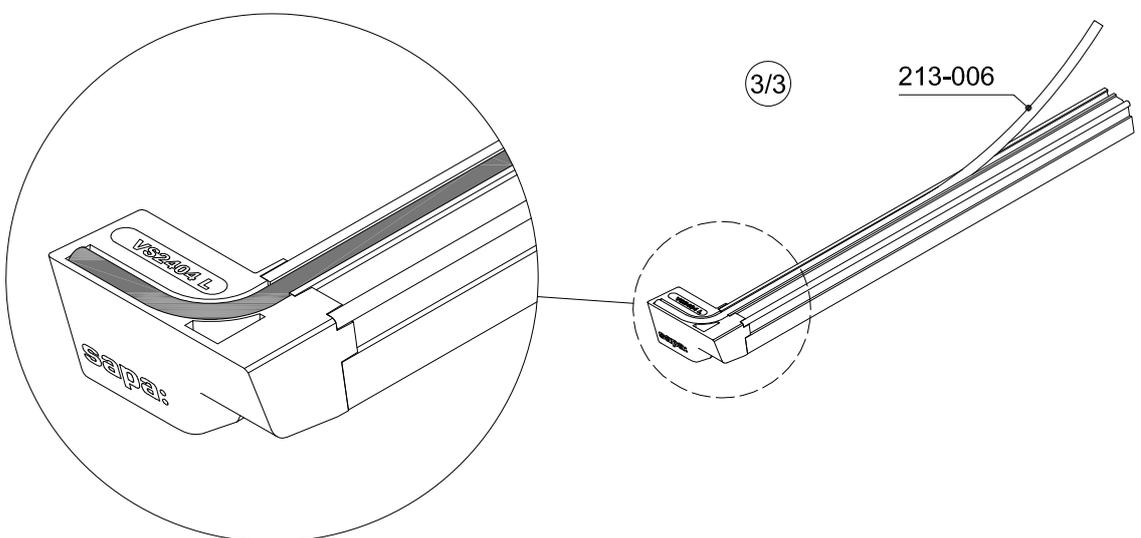
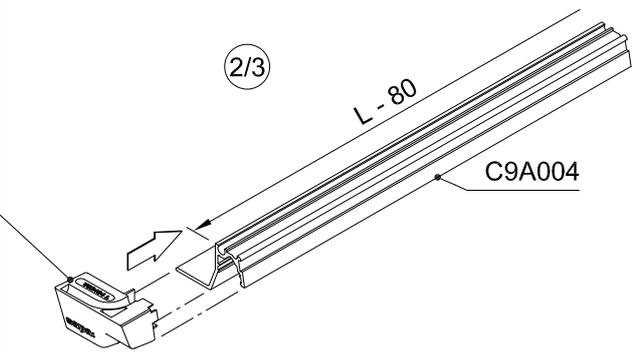
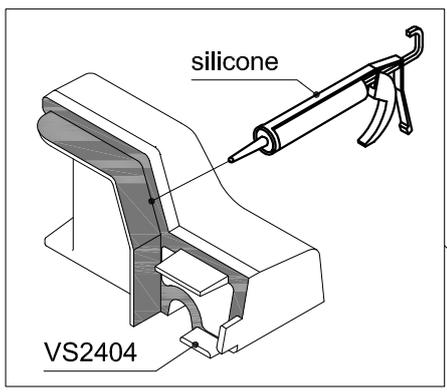
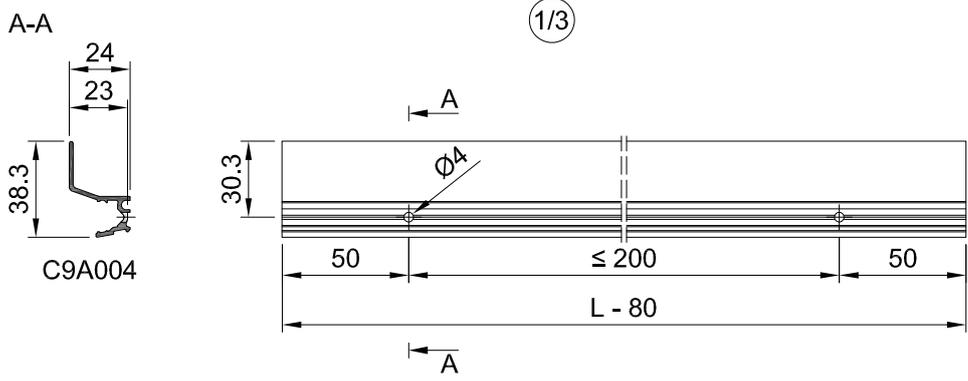
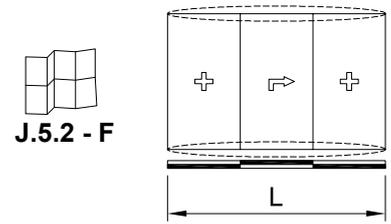
J.5.2 - B
J.5.6



2-BINARI FISSO-ALZANTE-SCORREVOLE-FISSO TAGLI 45°

PREPARAZIONE C9A004 + VS2404

1 / 3



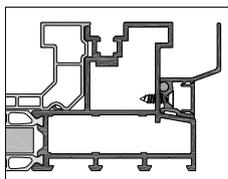
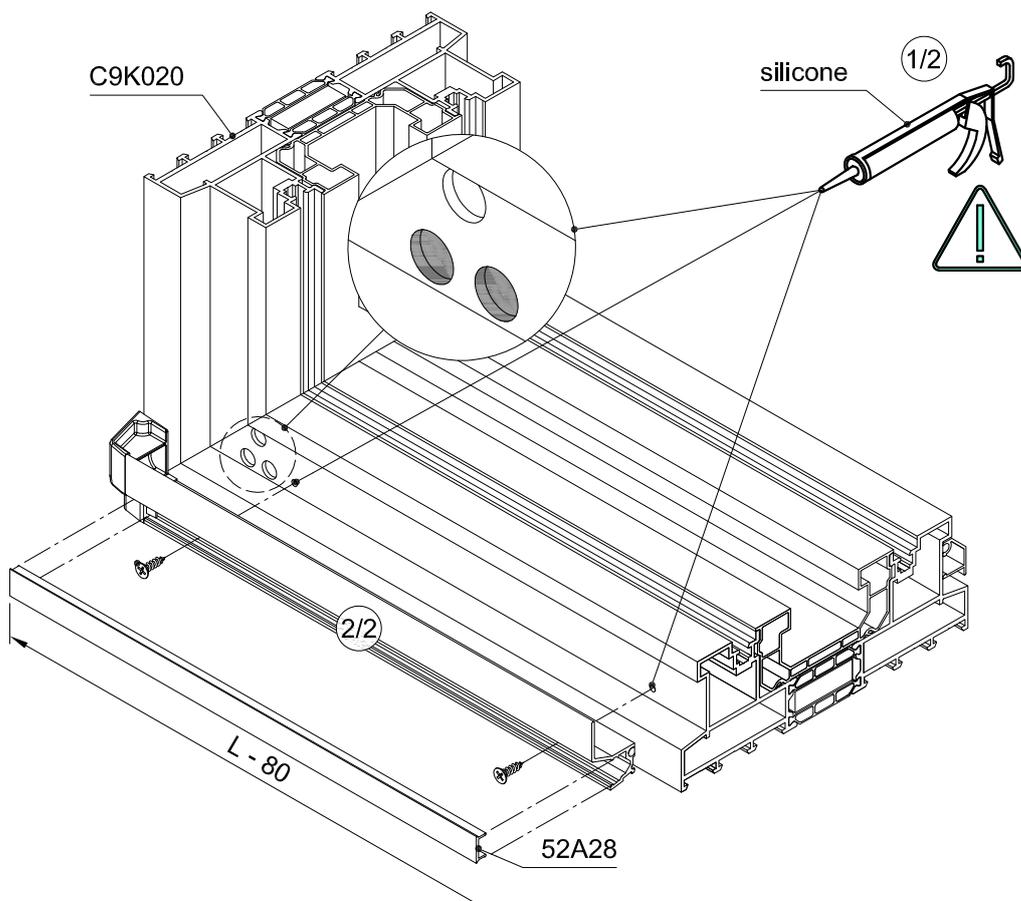
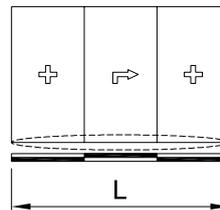
C160-ASS-1722

ASSEMBLAGGIO C9A004 + VS2404

2 / 3

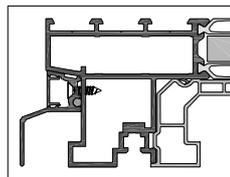
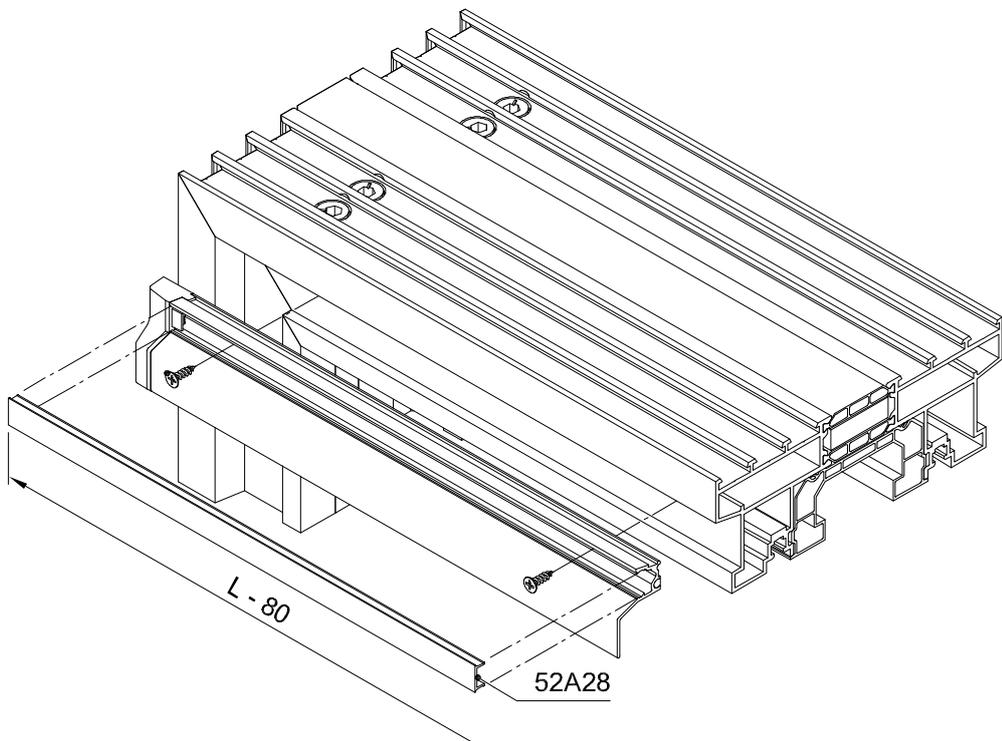
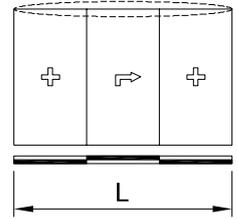


J.5.2 - F

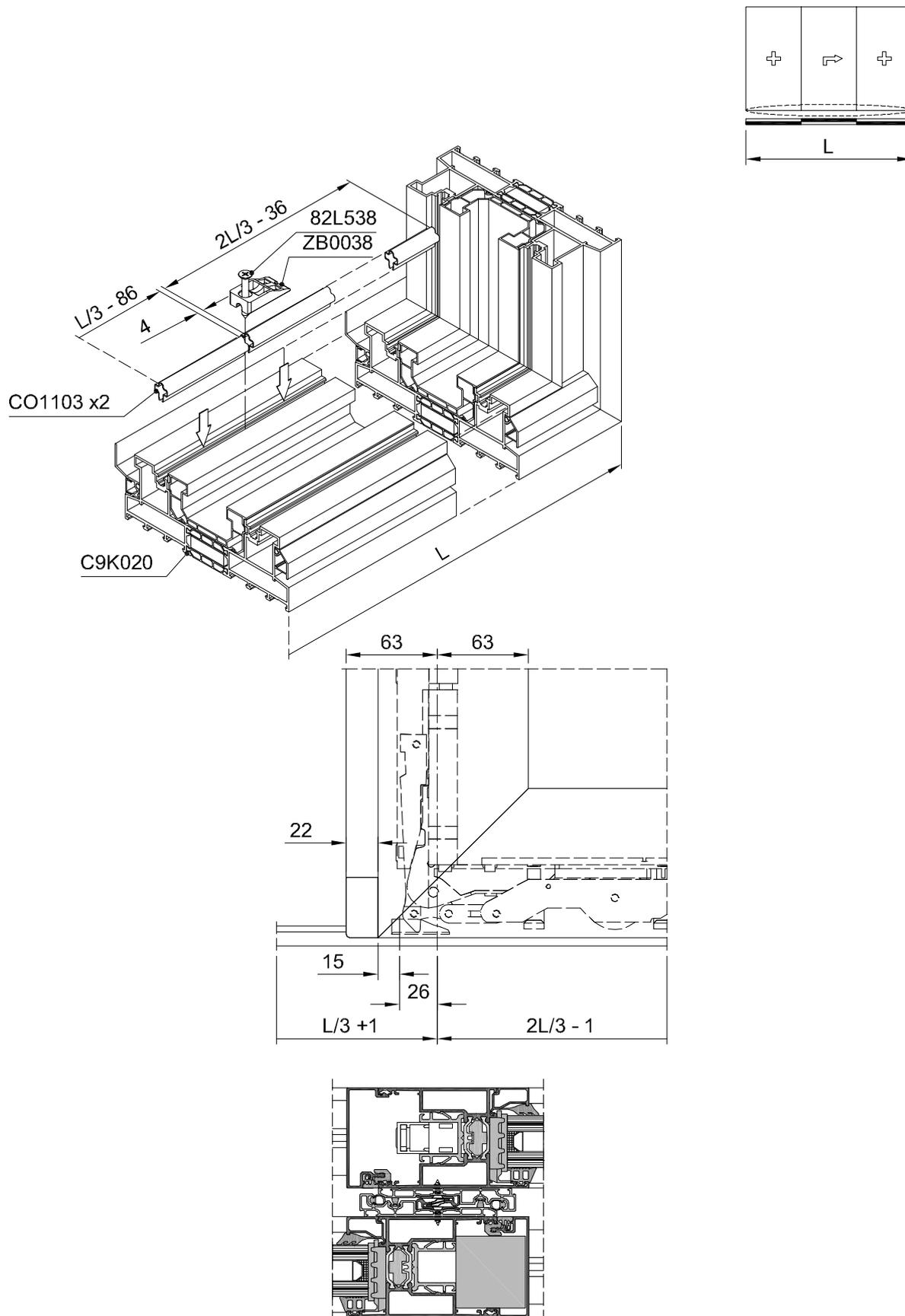


ASSEMBLAGGIO C9A004 + VS2404 COVER - OPTIONAL

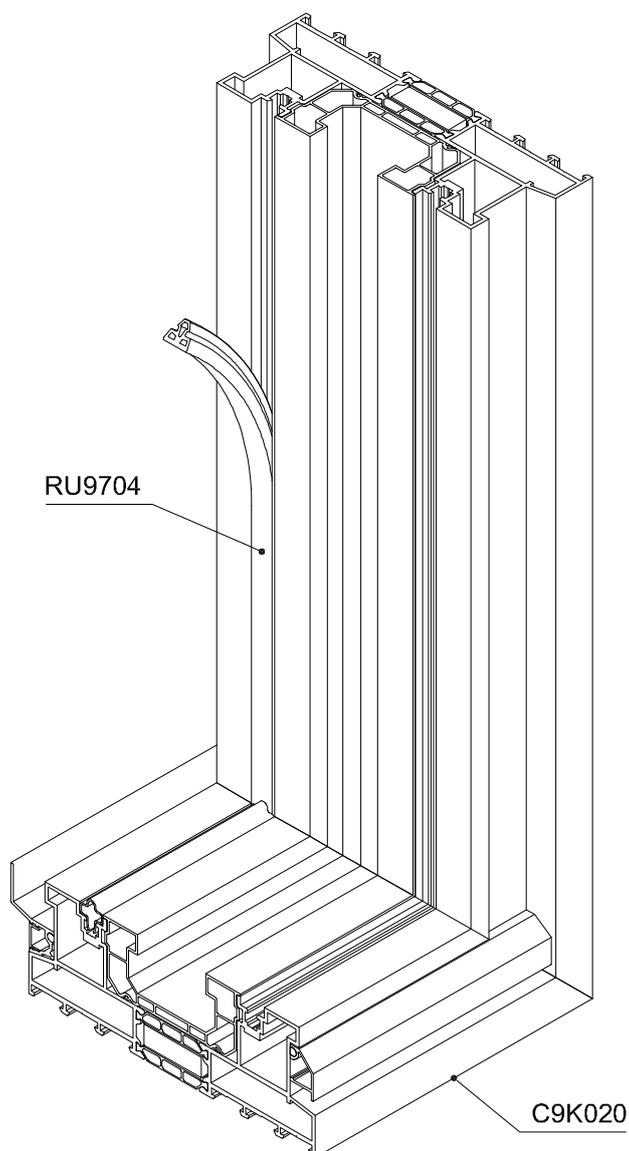
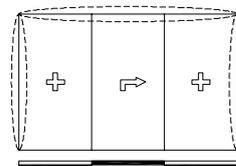
3 / 3



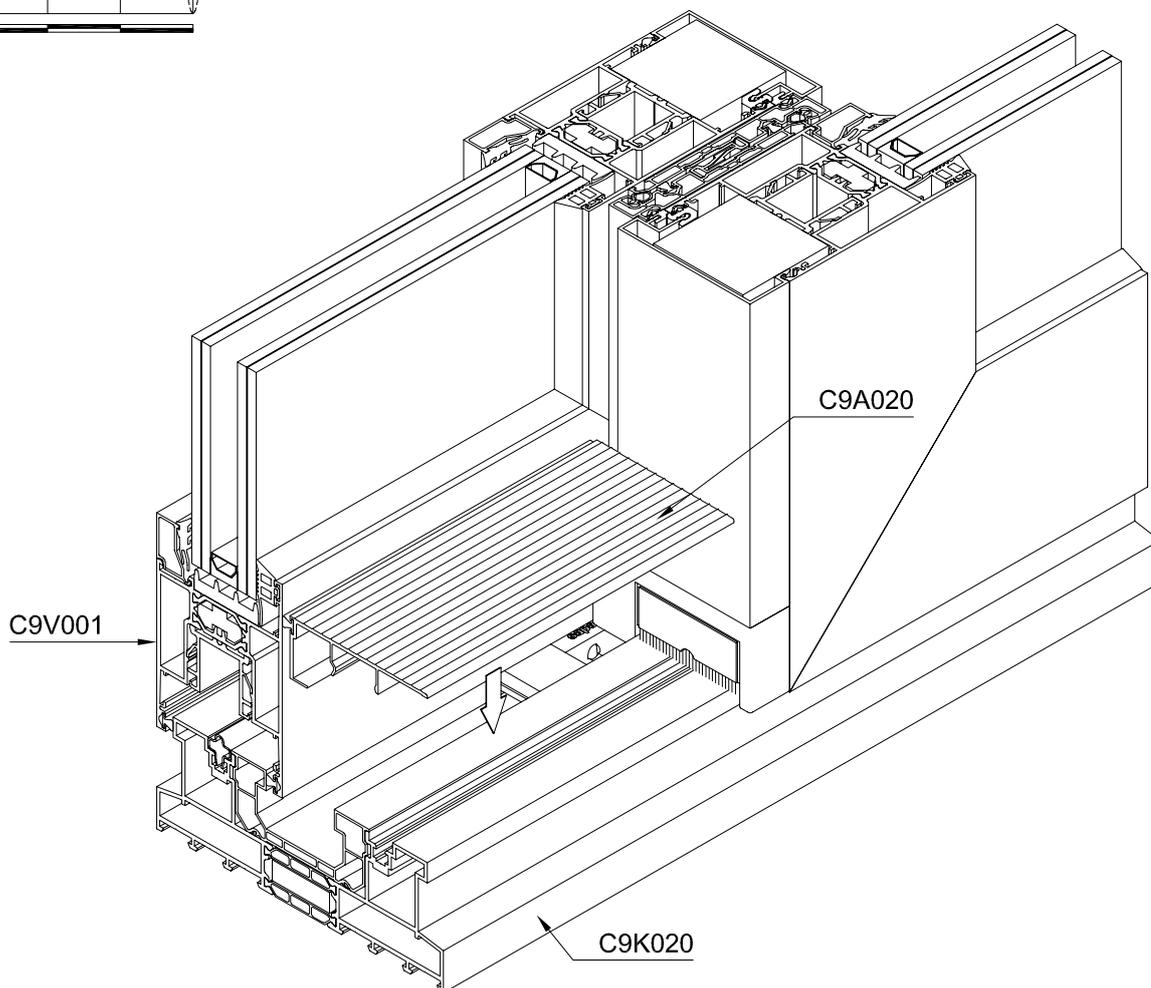
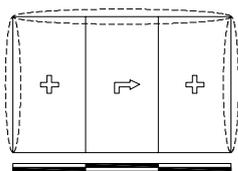
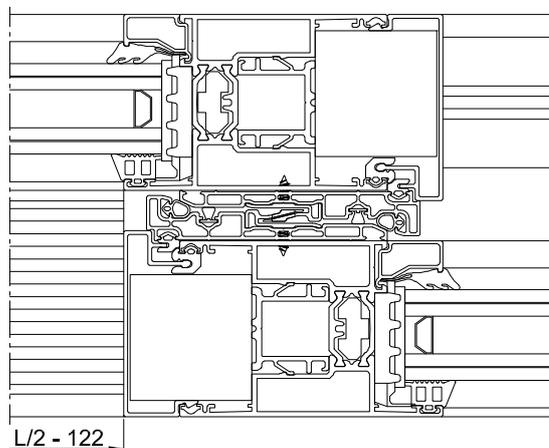
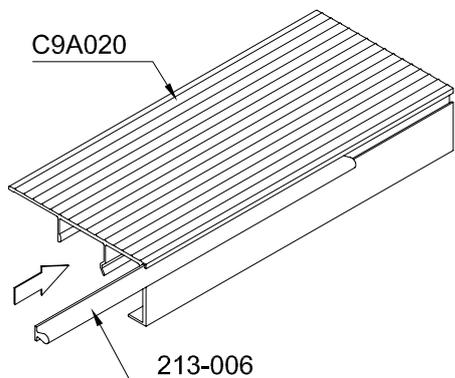
ASSEMBLAGGIO CO1103 E ZB0038



ASSEMBLAGGIO GUARNIZIONE DI FINITURA RU9704



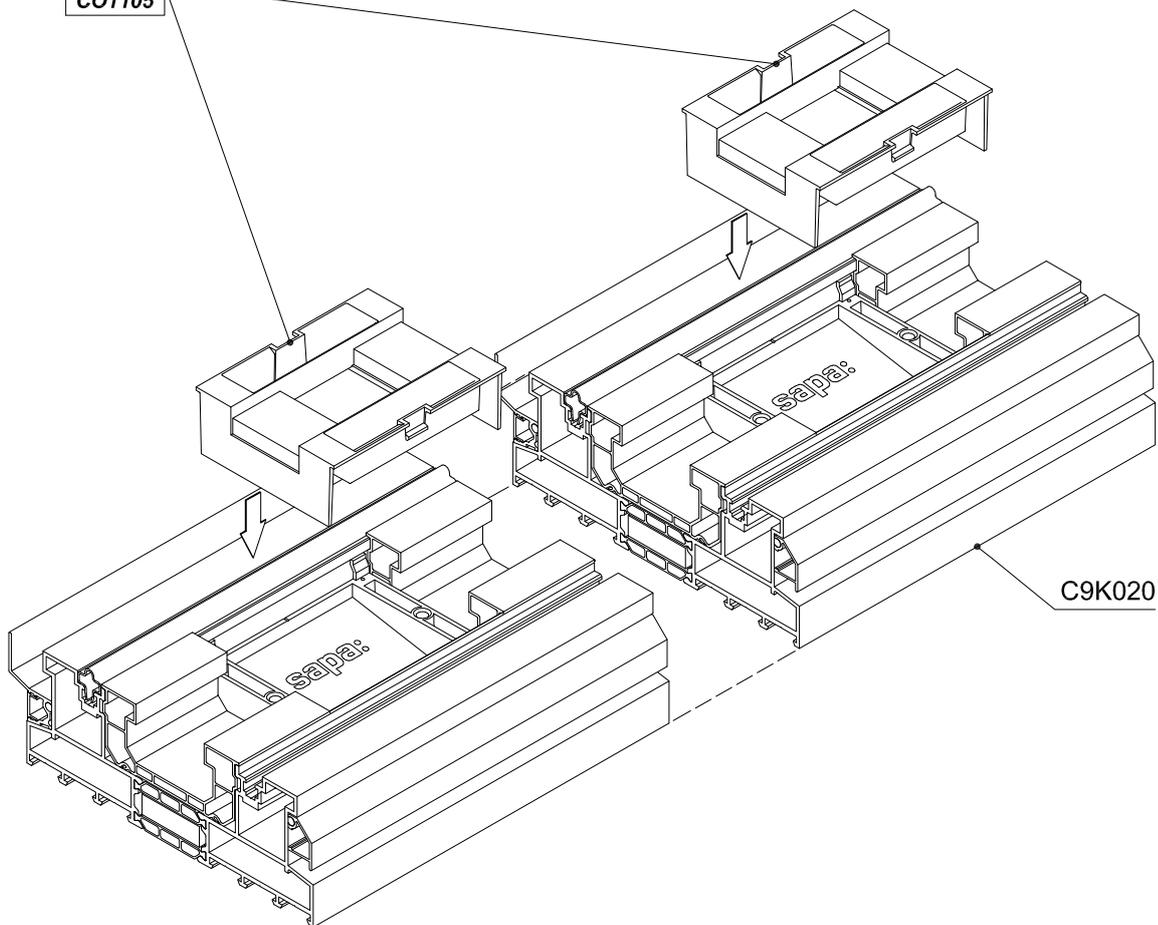
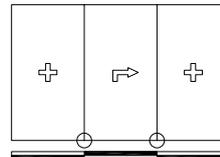
PROFILATO DI FINITURA C9A020 CON C9K020



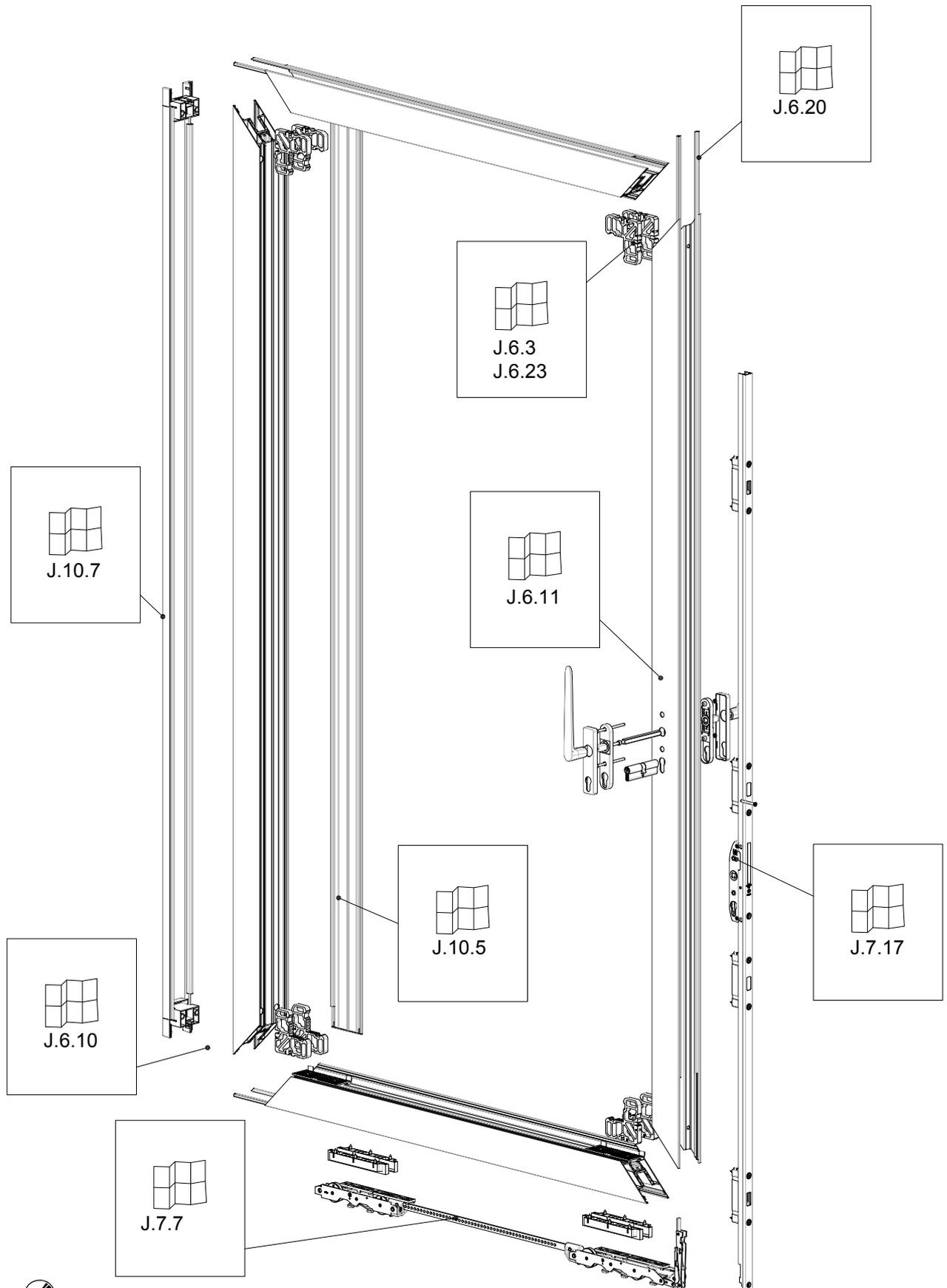
ASSEMBLAGGIO TAPPO CENTRALE CO1105 PROFILATO INFERIORE



J.5.2 - D
J.5.19



PANORAMICA ASSEMBLAGGIO



 **C160-TYP-511**

CONTENUTO

Preparazione ante J.7.1
 Panoramica assemblaggio J.7.1
 Contenuto J.7.2



Taglio profilati anta e installazione BT6000 J.7.3

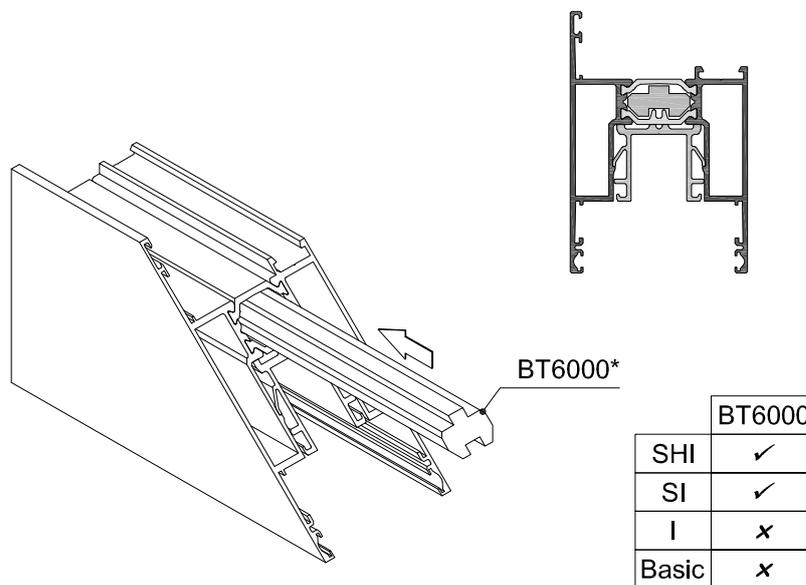
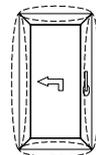
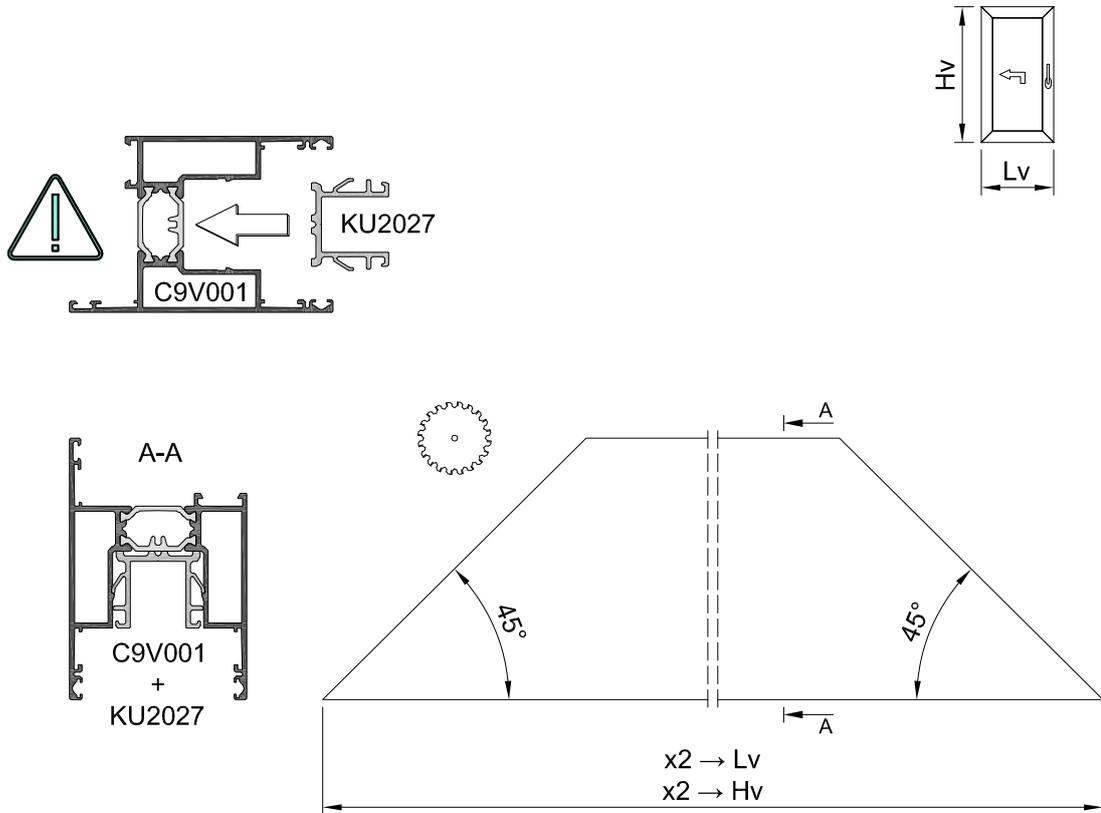


Lavorazione squadrette profilati anta J.7.4
 Lavorazione del C9V051 profilato anta effetto 'bi-metal' J.7.6
 Lavorazione drenaggio profilata anta J.7.7
 Panoramica lavorazione paracolpi su profilato anta J.7.8
 Lavorazione paracolpi su profilato anta J.7.9
 Lavorazione profilato anta per tappo 1/2 J.7.10
 Lavorazione profilato anta per ferramenta alzante-scorrevole - panoramica J.7.11
 Lavorazione profilato anta per ferramenta alzante-scorrevole - panoramica J.7.14
 Lavorazione profilato anta per ferramenta alzante-scorrevole J.7.16



Installazione guarnizione RU0099 per alzante-scorrevole J.7.20
 Installazione guarnizione RU0099 per alzante-scorrevole - 3-binari J.7.21
 Assemblaggio profilato anta con squadrette J.7.23

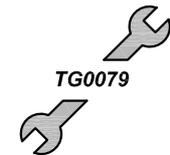
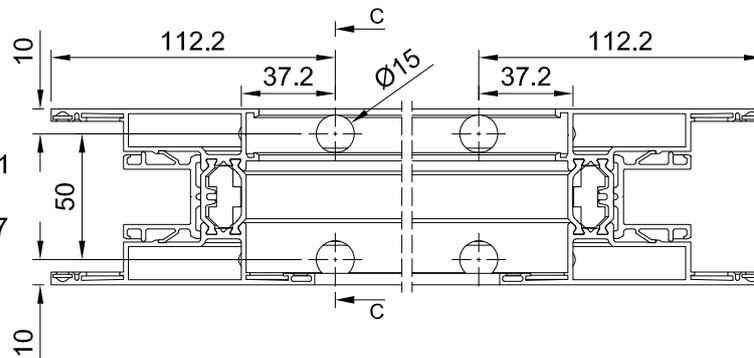
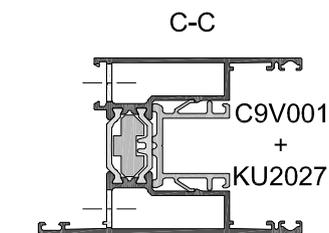
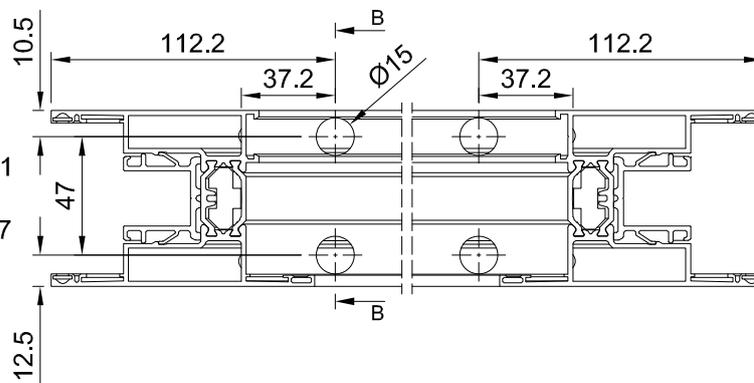
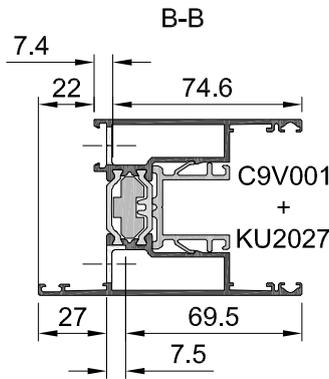
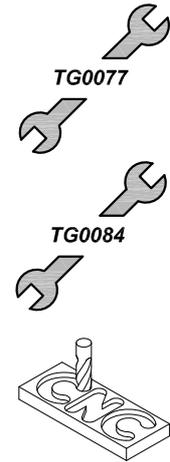
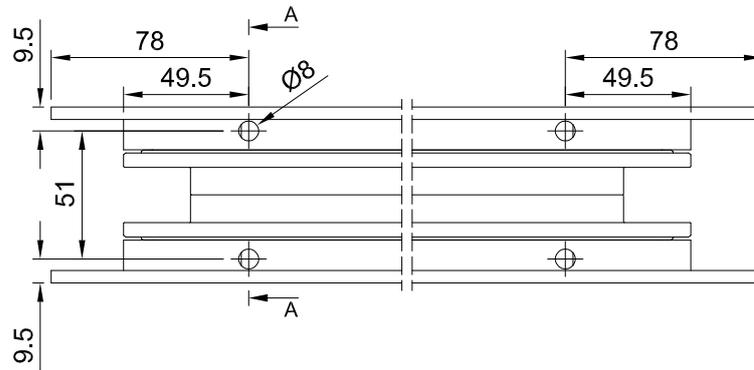
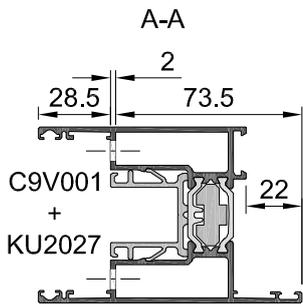
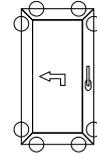
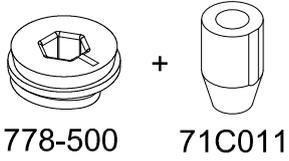
TAGLIO PROFILATI ANTA E INSTALLAZIONE BT6000



| | BT6000 |
|-------|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| Basic | x |

LAVORAZIONE SQUADRETTE PROFILATI ANTE

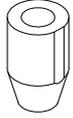
1 / 2



PREPARAZIONE ANTE

LAVORAZIONE SQUADRETTE PROFILATI ANTE

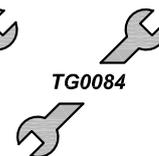
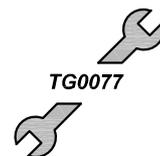
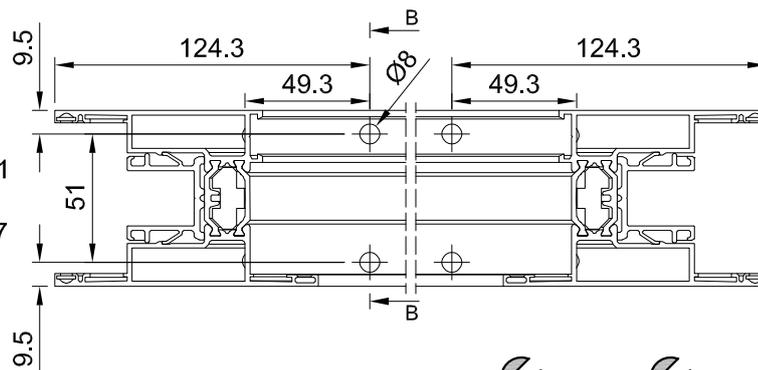
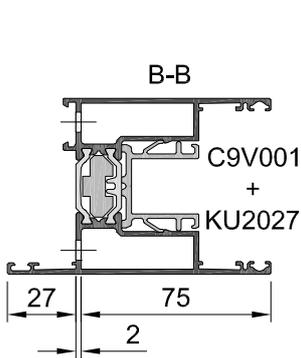
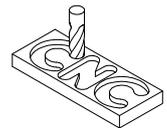
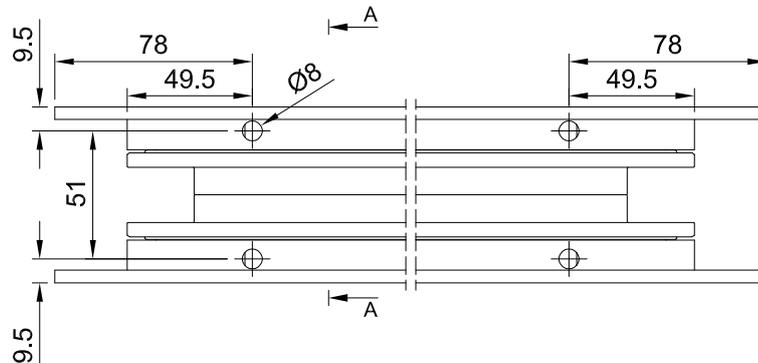
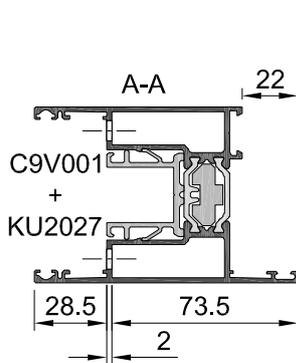
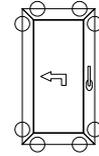
2 / 2



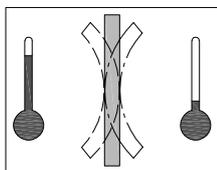
71C011



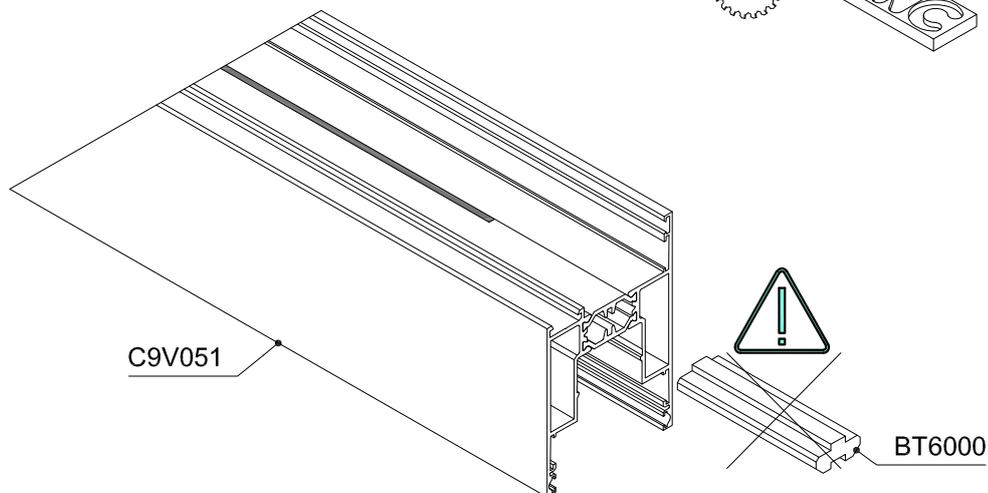
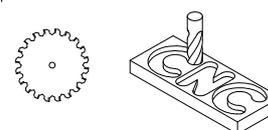
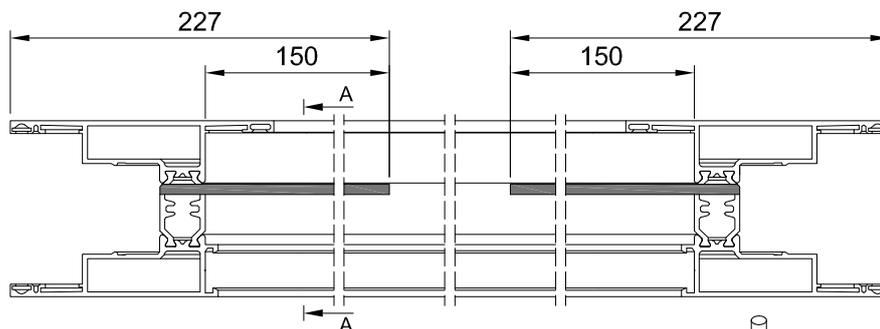
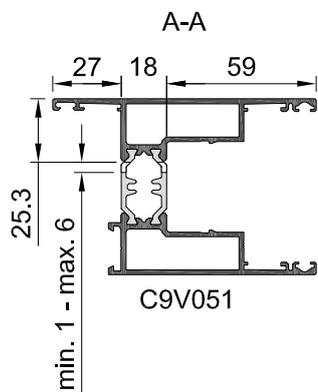
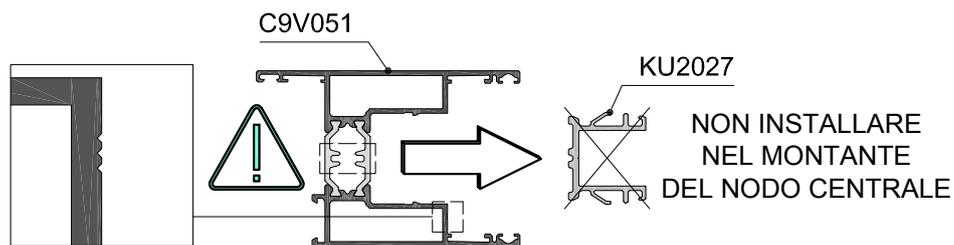
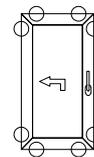
J.6.22



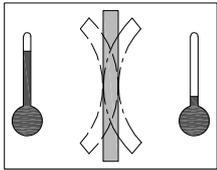
LAVORAZIONE DEL C9V051 PROFILATO ANTA EFFETTO 'BI-METAL'



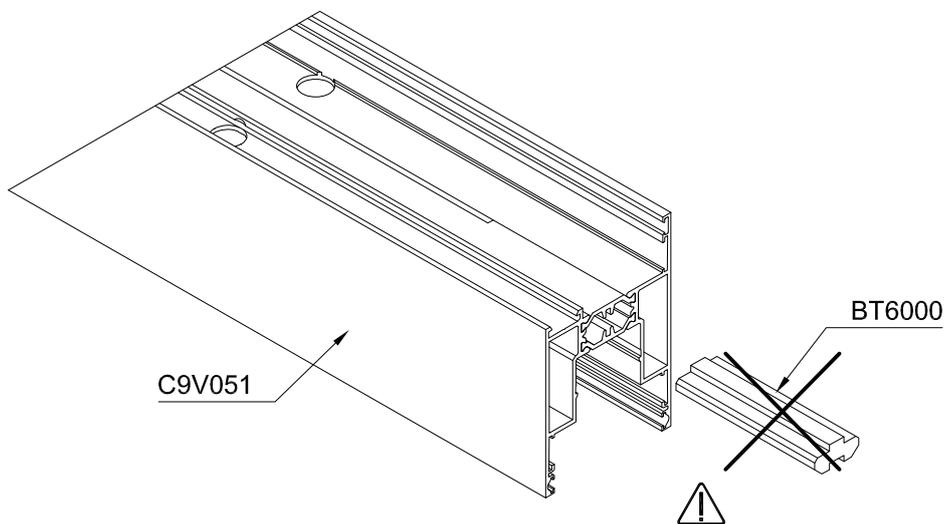
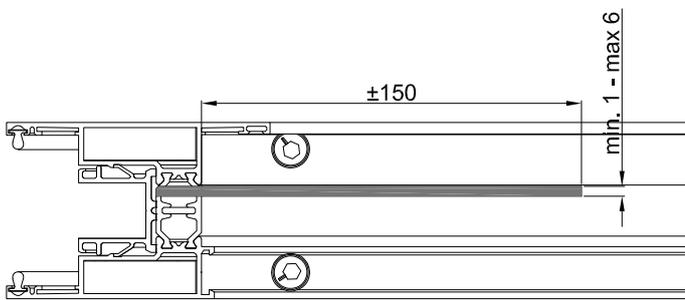
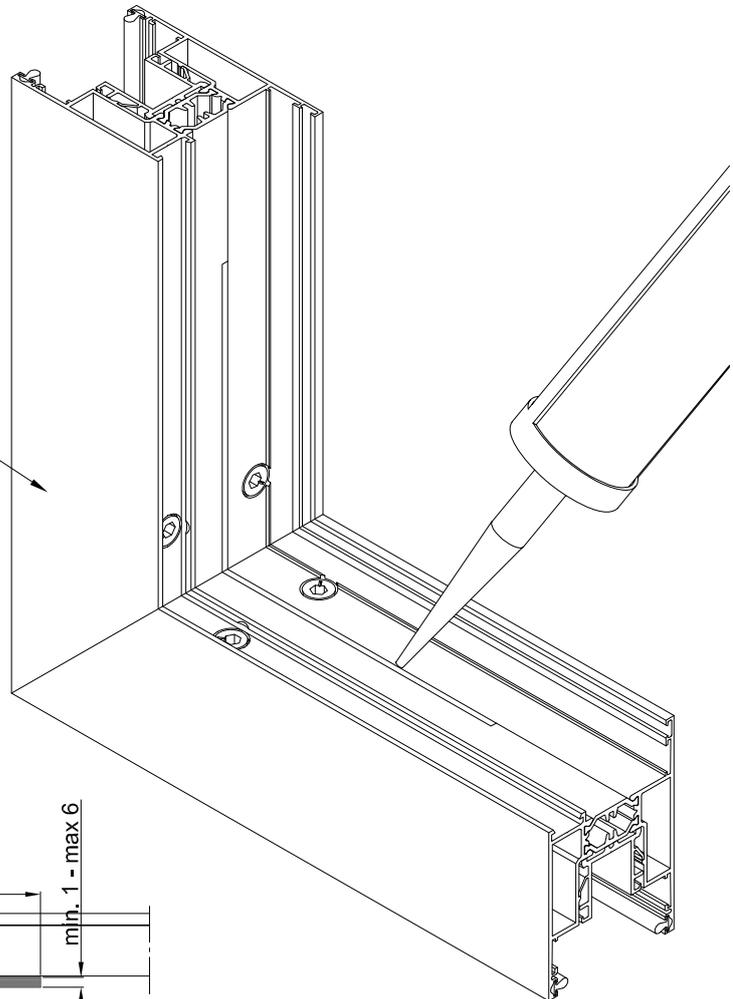
C9V051



LAVORAZIONE DEL C9V051 PROFILATO ANTA EFFETTO 'BI-METAL'



C9V051

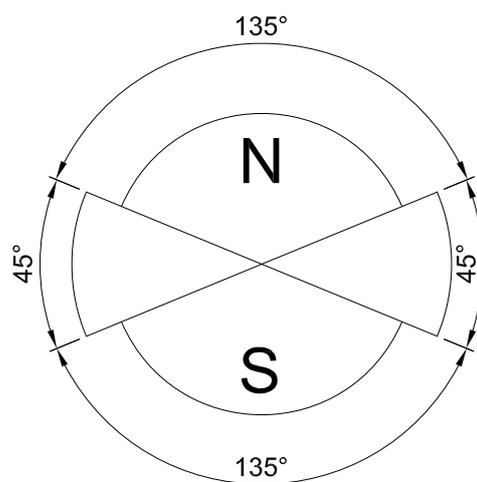
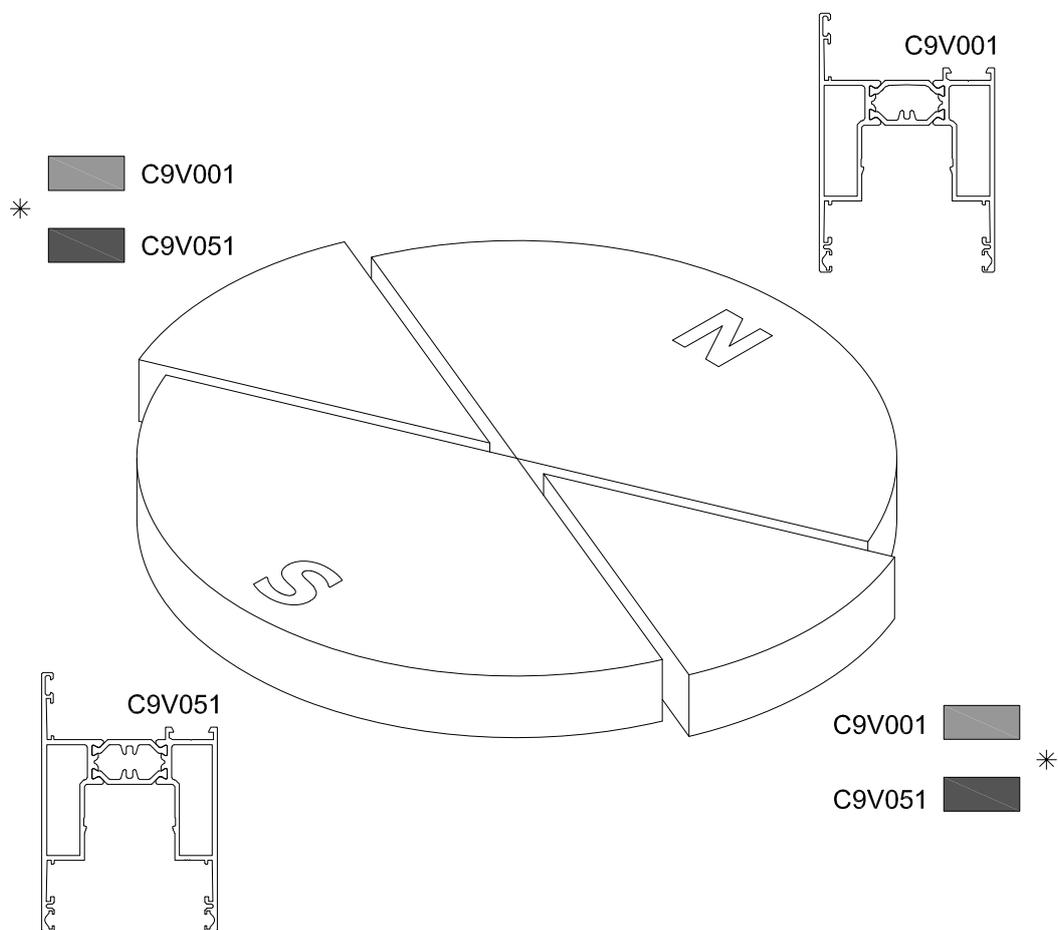


C9V051

BT6000



IMPIEGO DEL C9V051 PROFILATO ANTA EFFETTO 'BI-METAL'

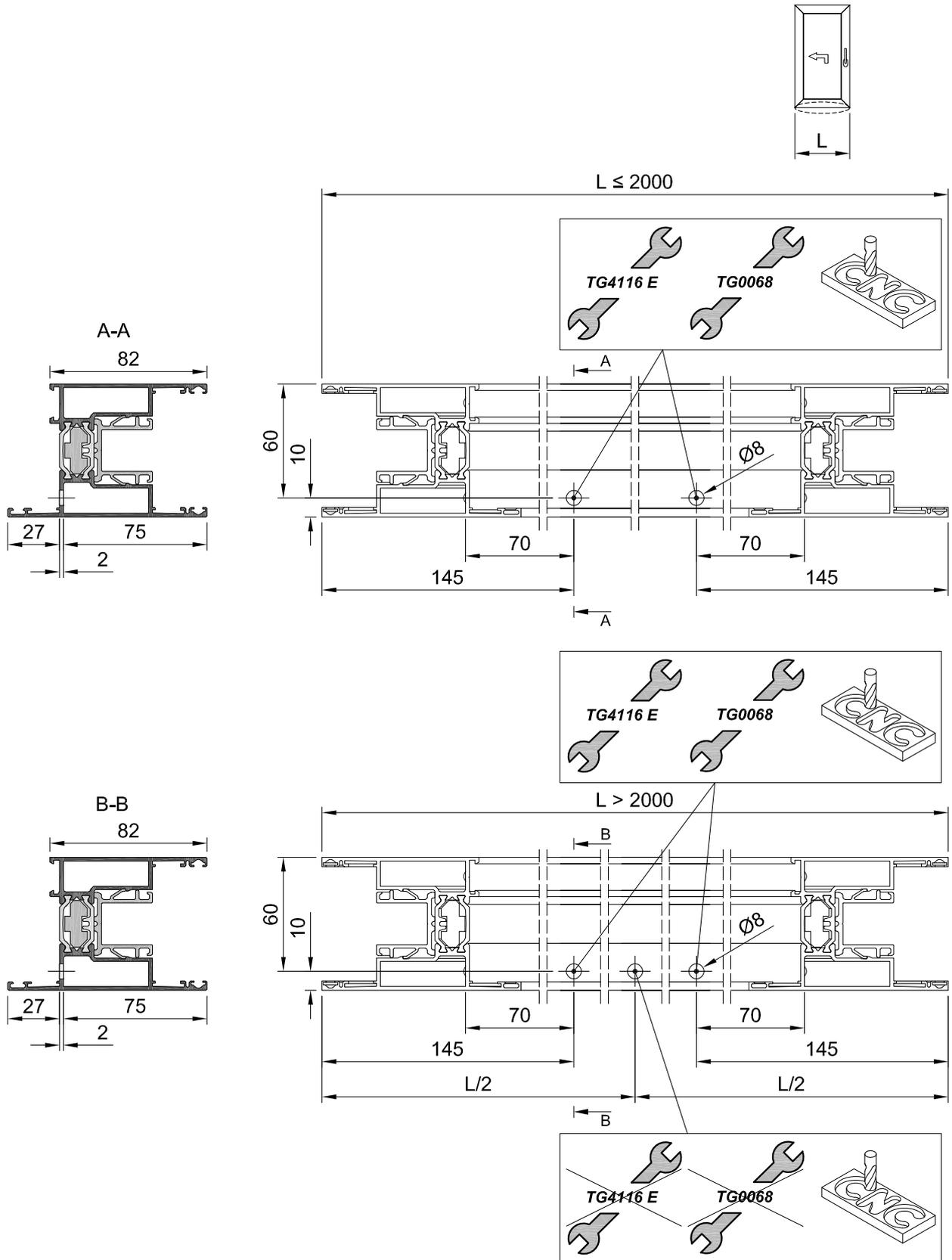


•NOTA:

* C9V001: colori chiari, C9V051: colori scuri
 assemblaggio C9V051: J.4.6, stability C9V051: K.1.2.

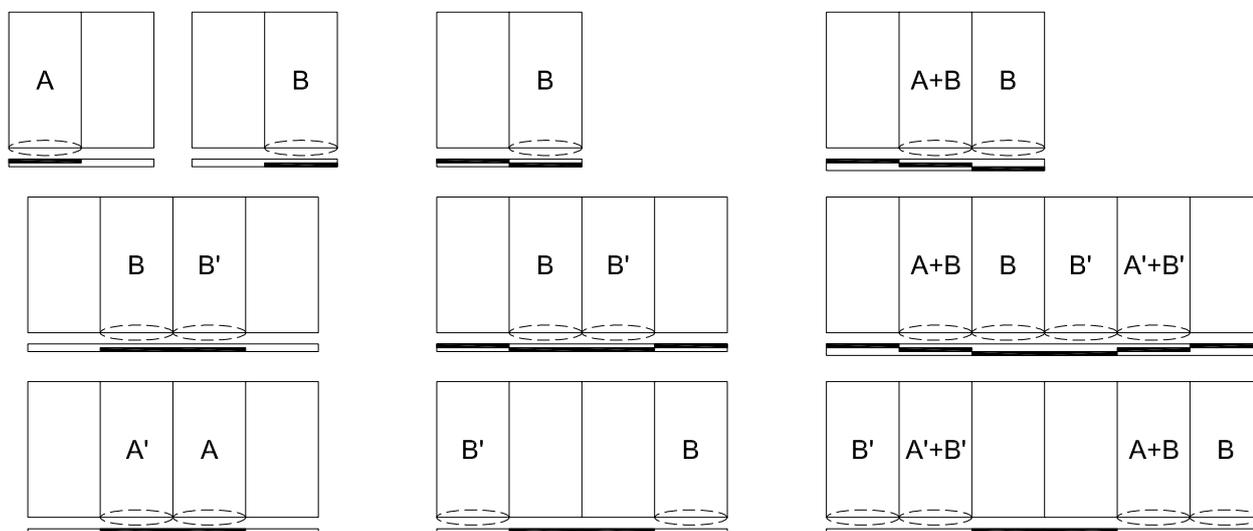
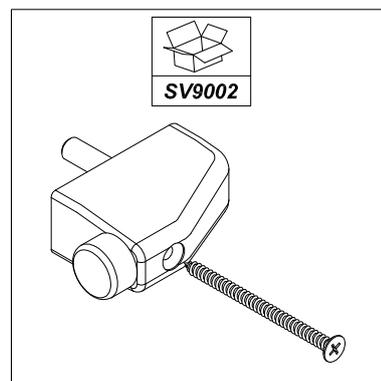
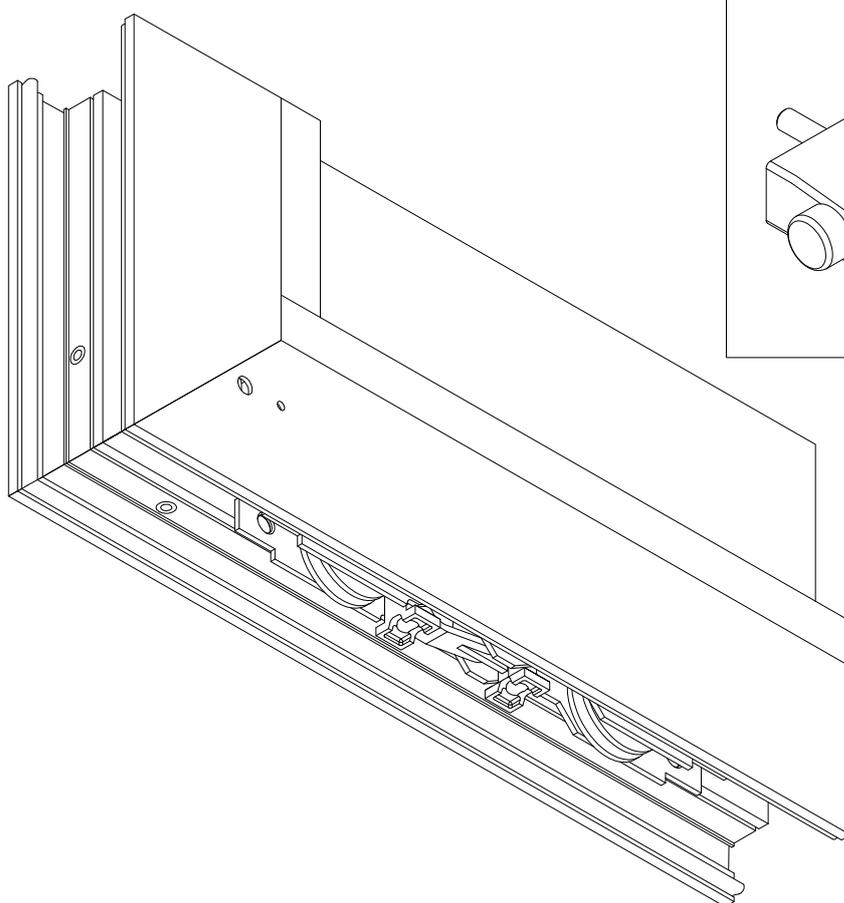
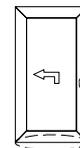
PREPARAZIONE ANTE

LAVORAZIONE DRENAGGIO PROFILATA ANTA



PANORAMICA LAVORAZIONE PARACOLPI SU PROFILATO ANTA

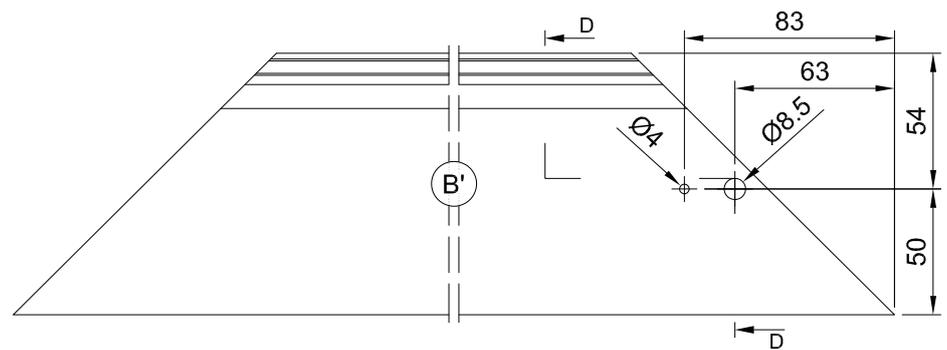
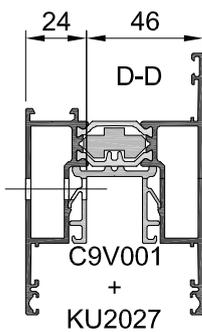
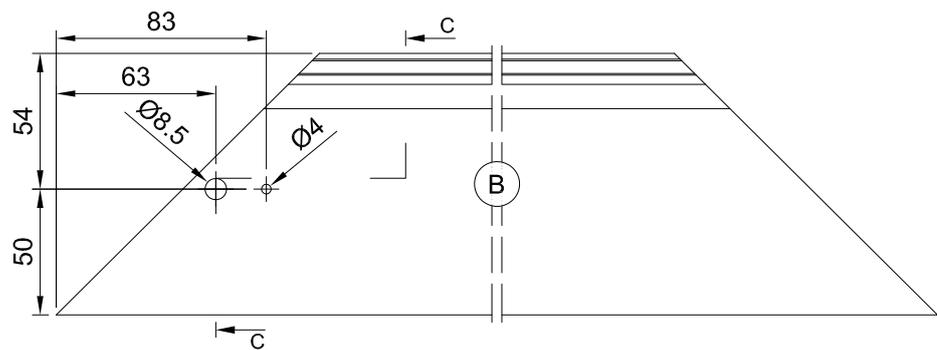
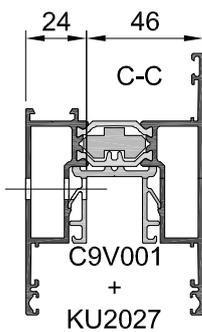
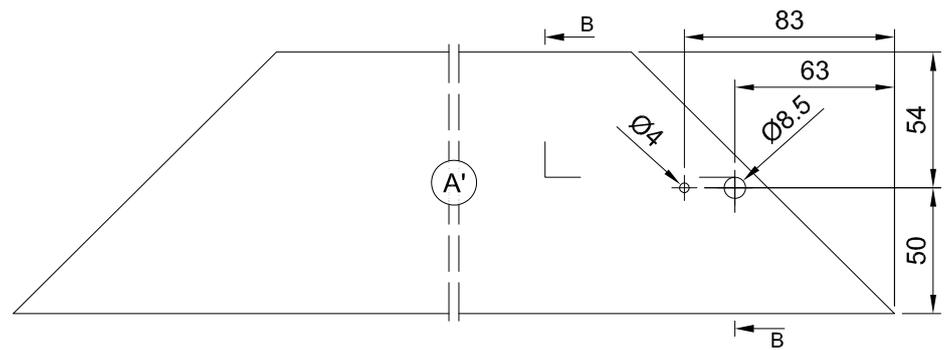
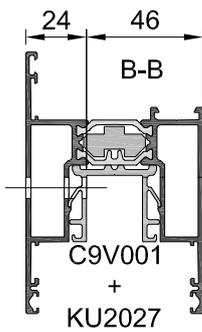
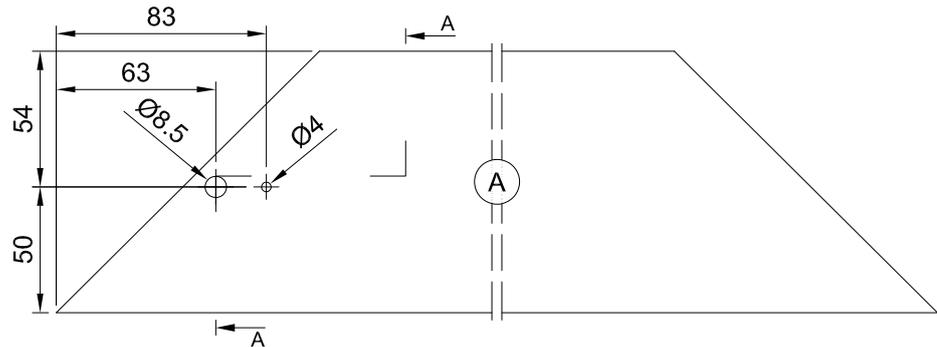
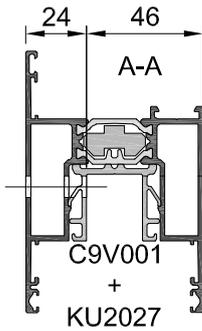
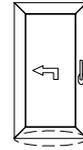
1 / 2



 **C160-ASS-2116L**

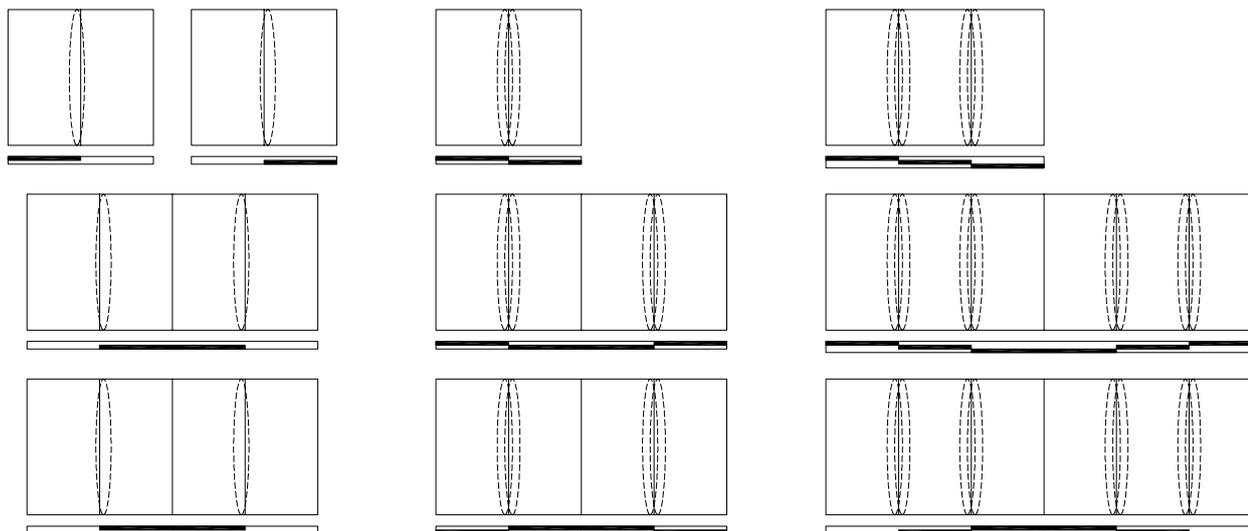
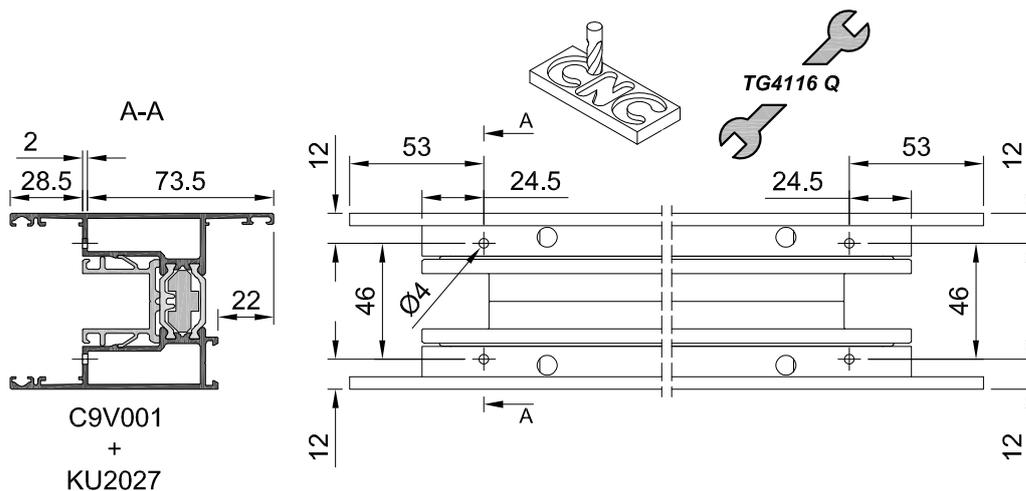
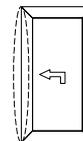
LAVORAZIONE PARACOLPI SU PROFILATO ANTA

2 / 2



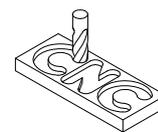
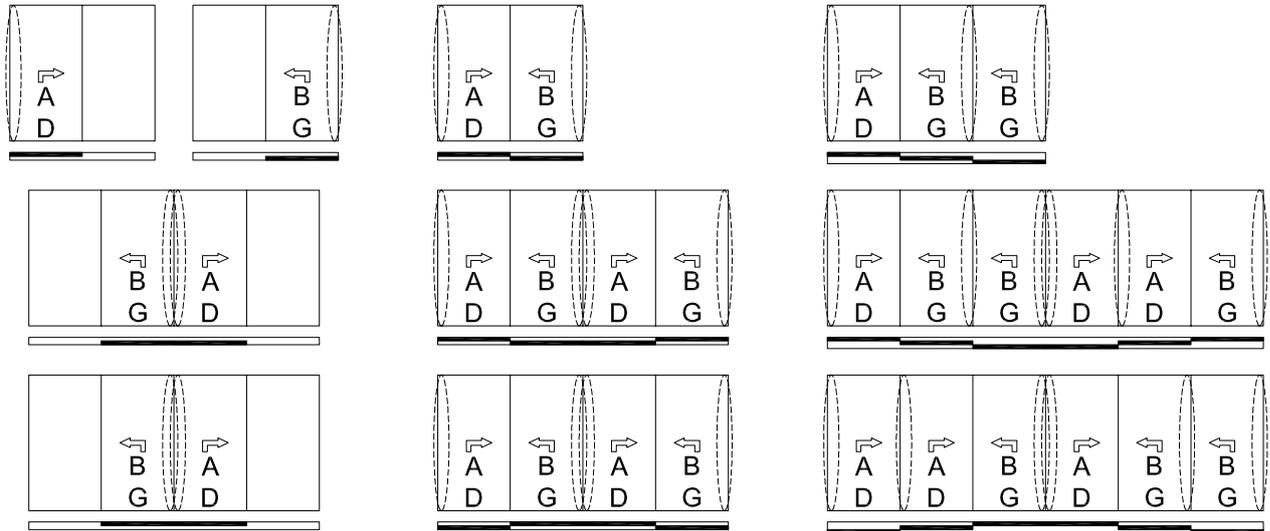
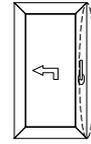
LAVORAZIONE PROFILATO ANTA PER TAPPO 1/2

J.10.3

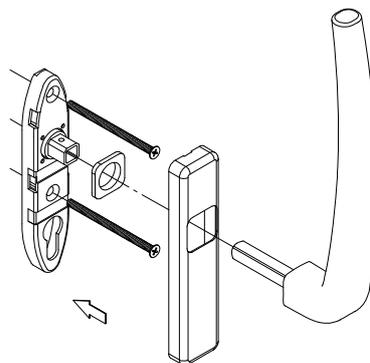


LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA

1 / 5



A, B - J.6.15
D - J.6.16
G - J.6.17

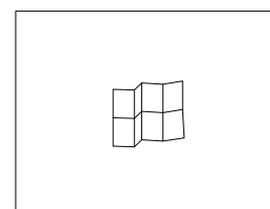
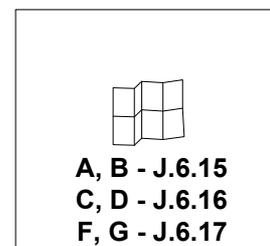
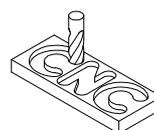
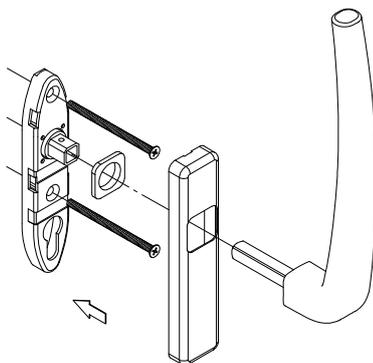
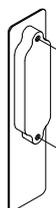
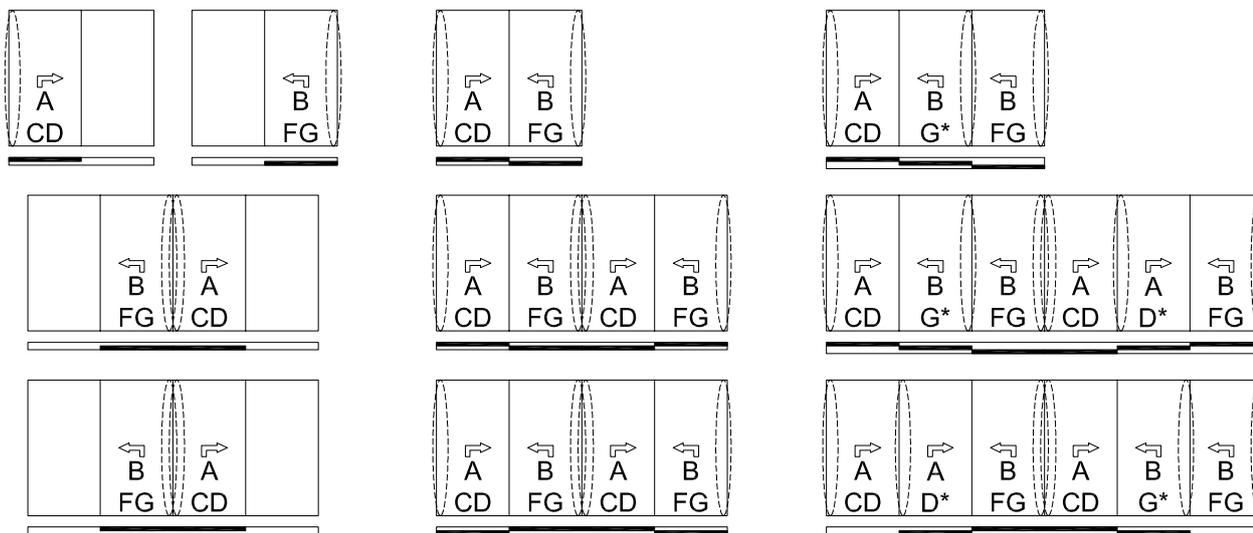
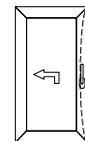


J.7.19
J.7.24*

* - S-LINE

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA

2 / 5



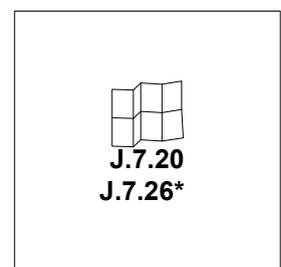
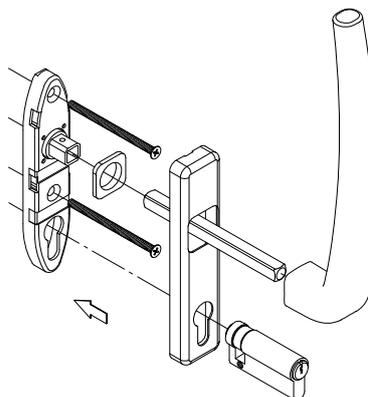
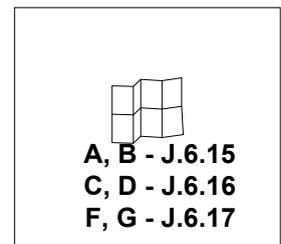
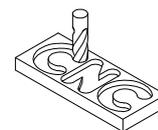
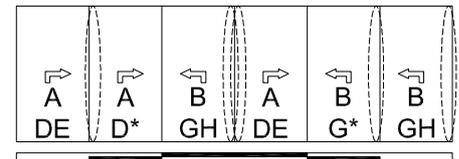
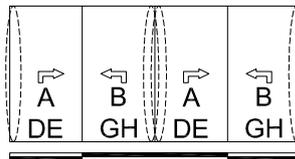
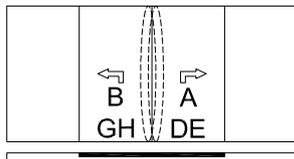
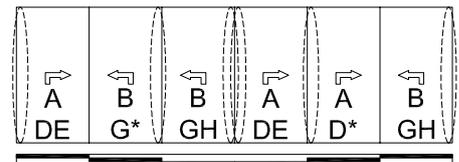
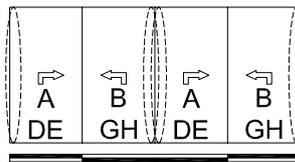
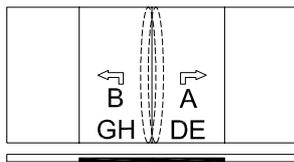
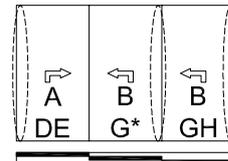
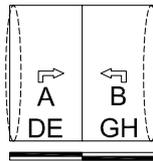
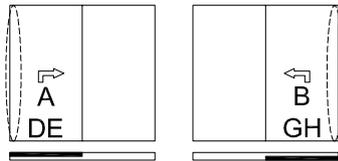
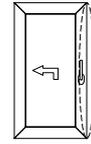
J.7.20

* - S-LINE

PREPARAZIONE ANTE

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA

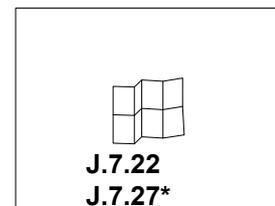
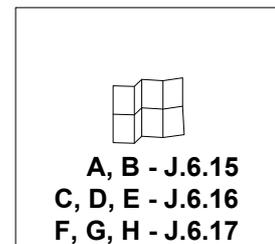
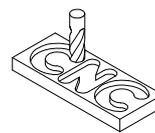
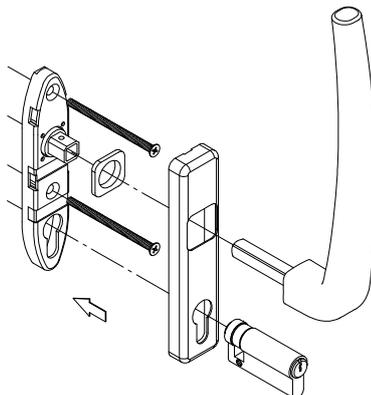
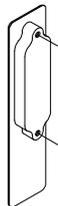
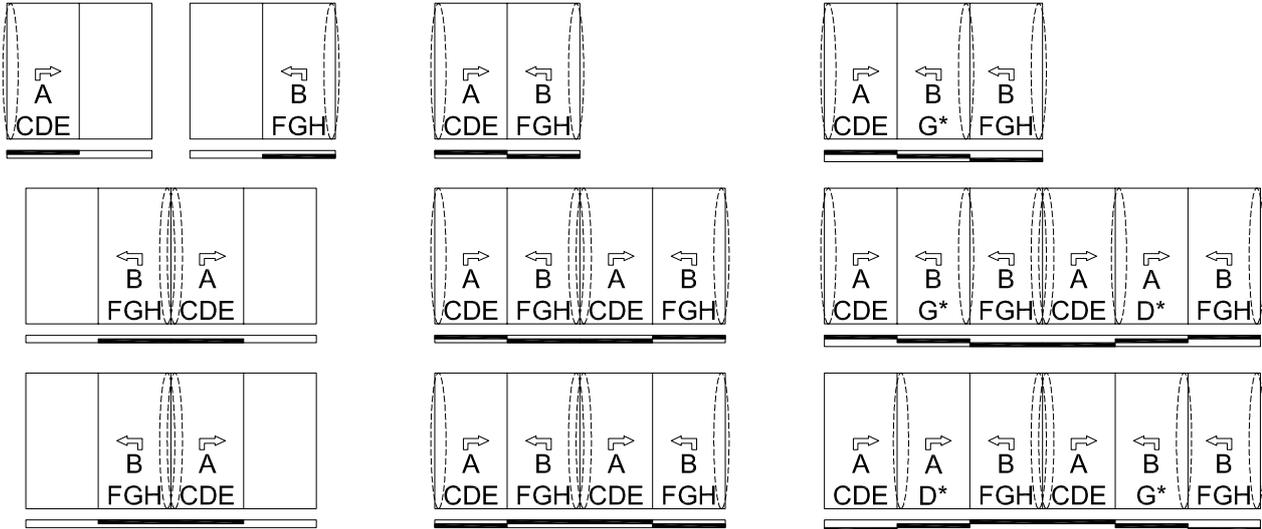
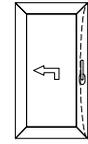
3 / 5



* - S-LINE

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA

4 / 5

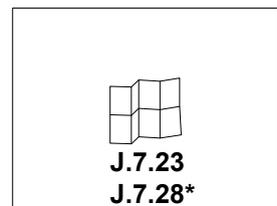
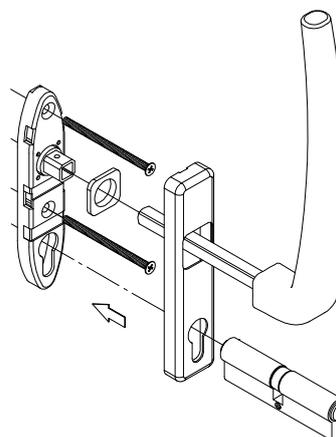
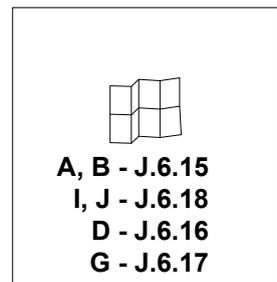
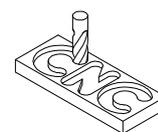
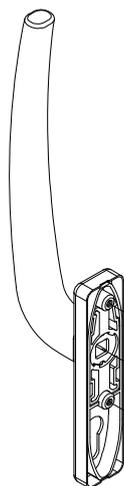
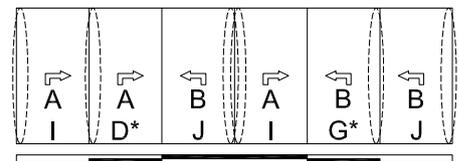
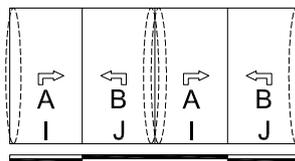
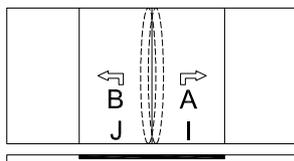
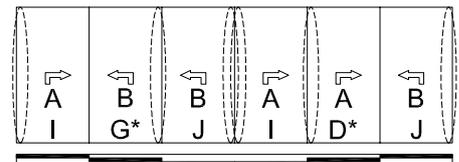
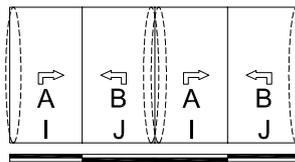
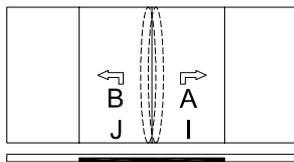
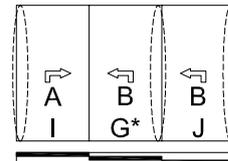
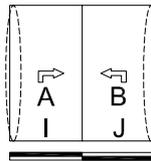
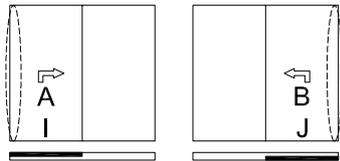
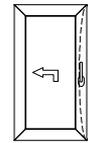


* - S-LINE

PREPARAZIONE ANTE

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA

5 / 5

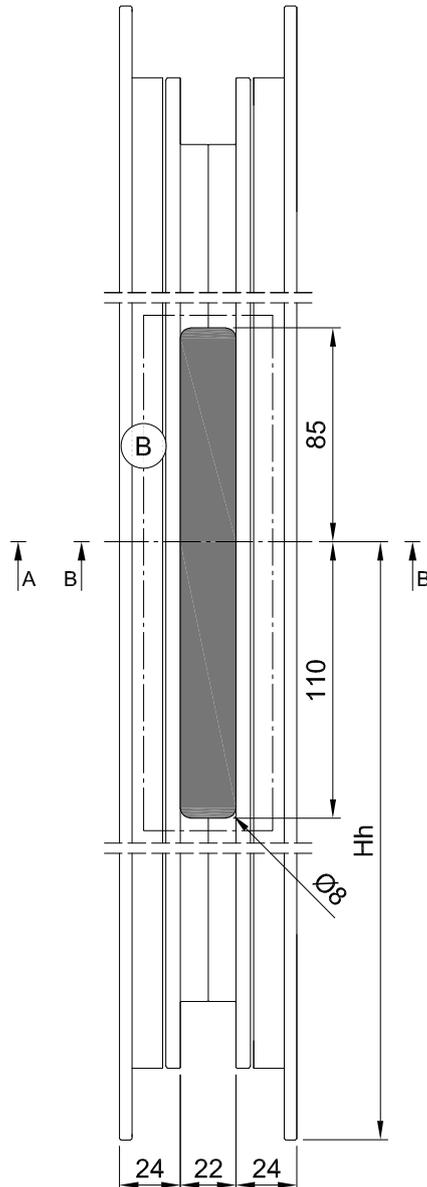
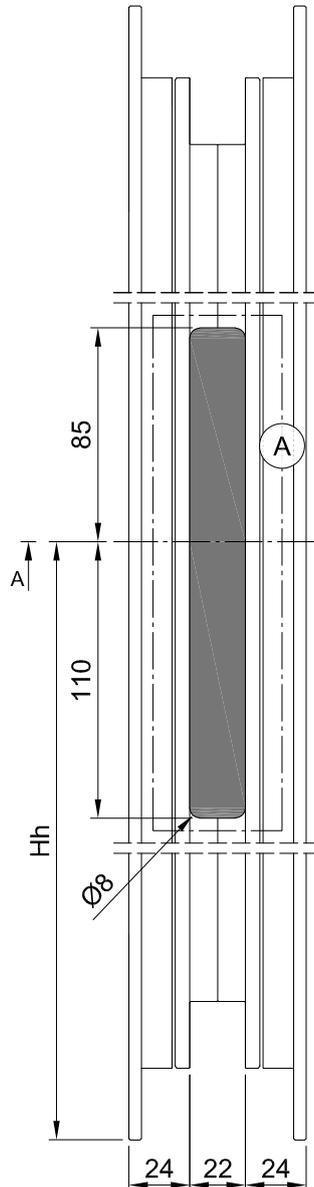
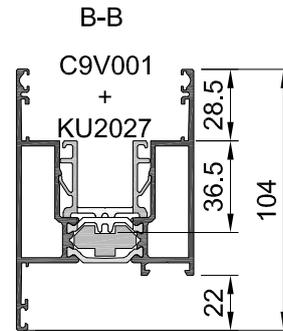
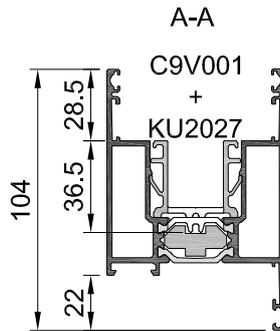
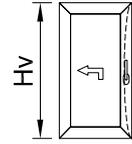


* - S-LINE

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE

1 / 4

| Hh | Hv | |
|------|-------------|---|
| 1003 | 1904 - 3403 |  |
| 403 | 1303 - 1903 |  |

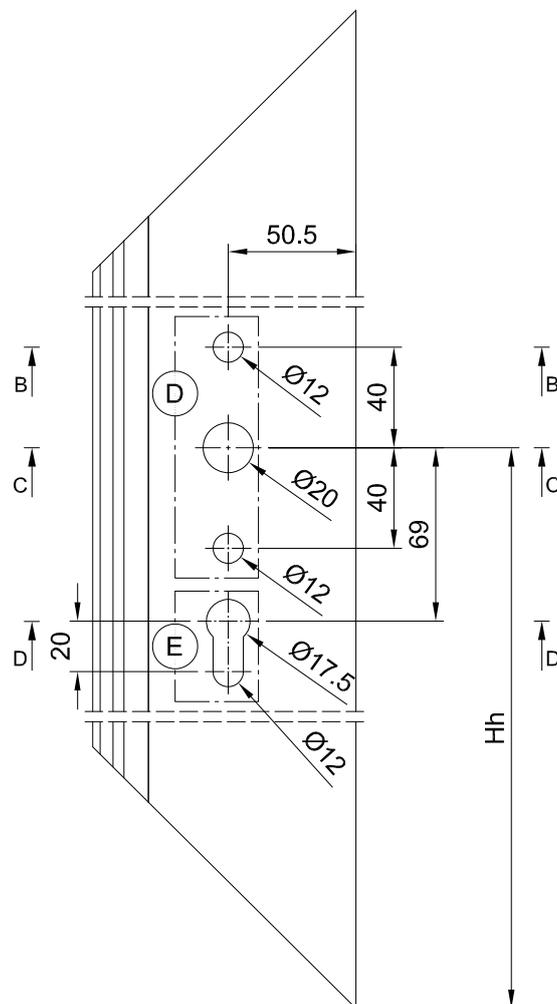
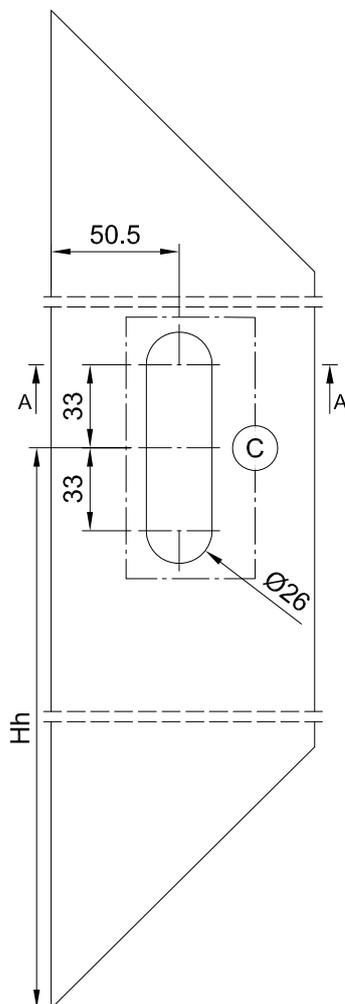
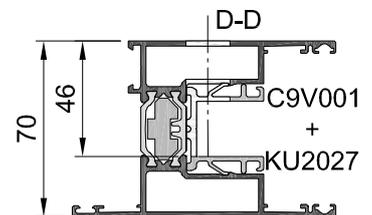
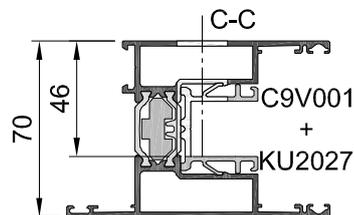
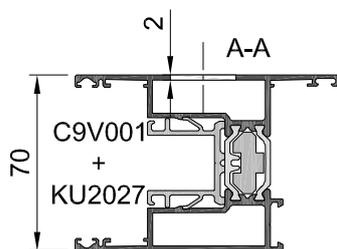
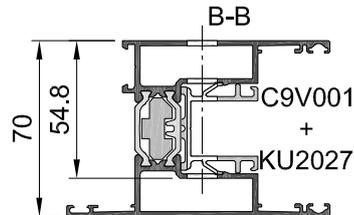
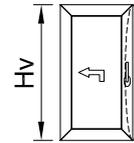


 **C160-ASS-2123L**

LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE

2 / 4

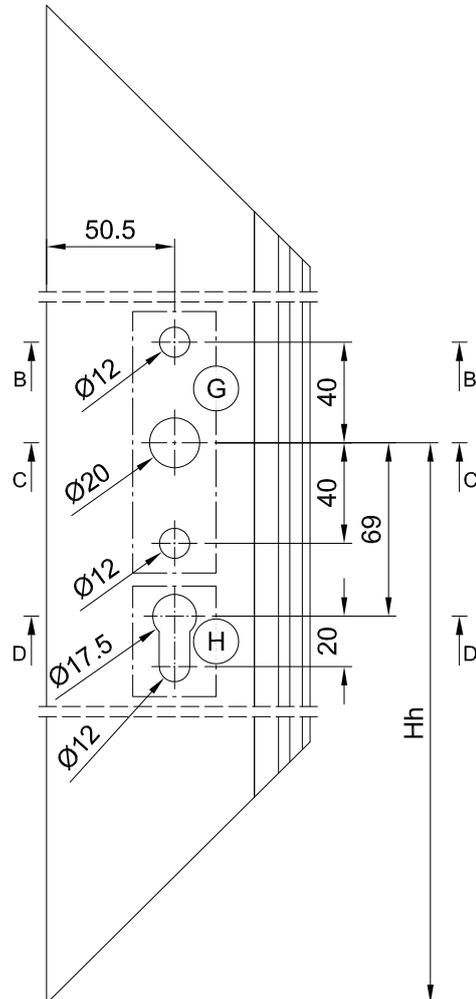
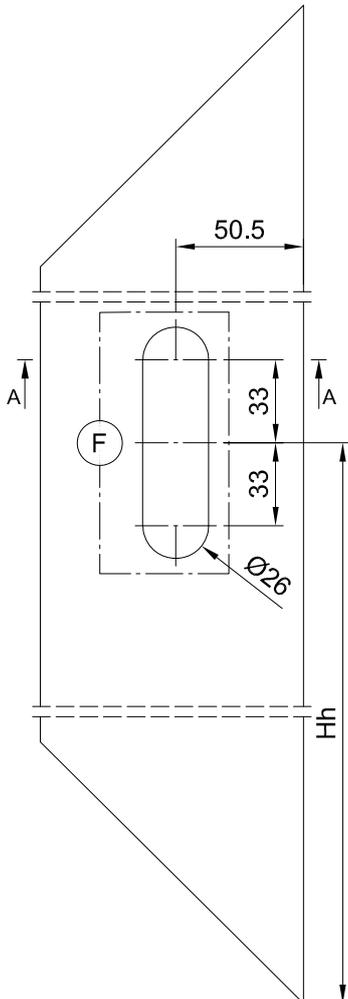
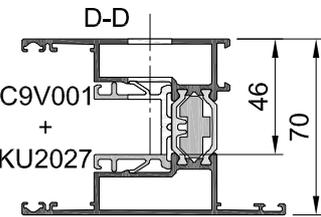
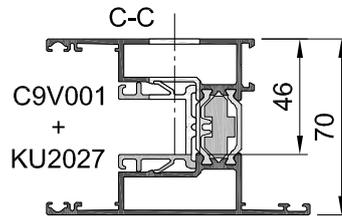
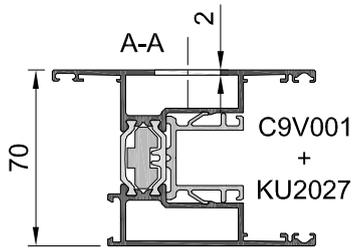
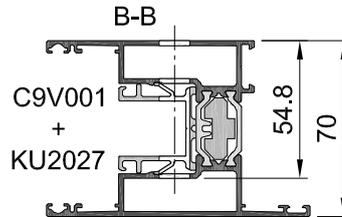
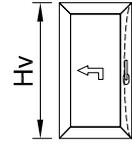
| Hh | Hv | |
|------|-------------|--|
| 1003 | 1904 - 3403 | |
| 403 | 1303 - 1903 | |



LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE

3 / 4

| Hh | Hv | |
|------|-------------|--|
| 1003 | 1904 - 3403 | |
| 403 | 1303 - 1903 | |



C160-ASS-2125L

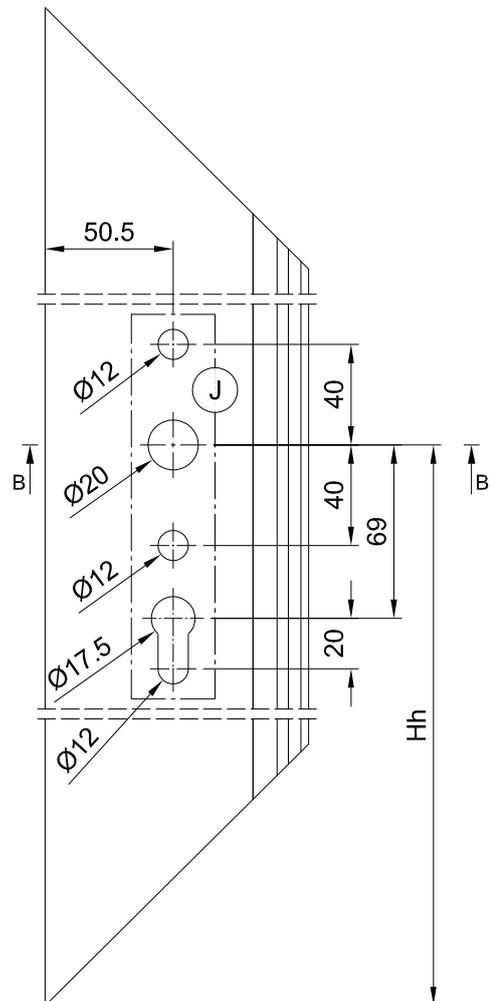
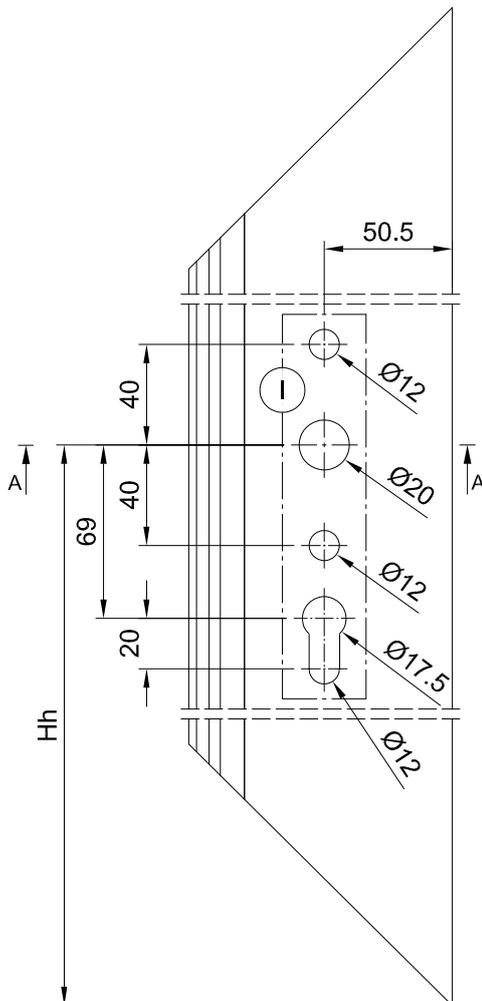
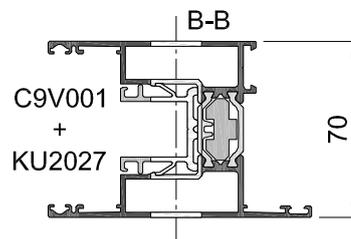
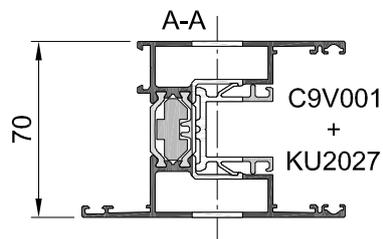
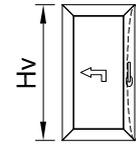
LAVORAZIONE PROFILATO ANTA PER FERRAMENTA ALZANTE-SCORREVOLE

4 / 4

| Hh | Hv | |
|------|-------------|--|
| 1003 | 1904 - 3403 | |
| 403 | 1303 - 1903 | |

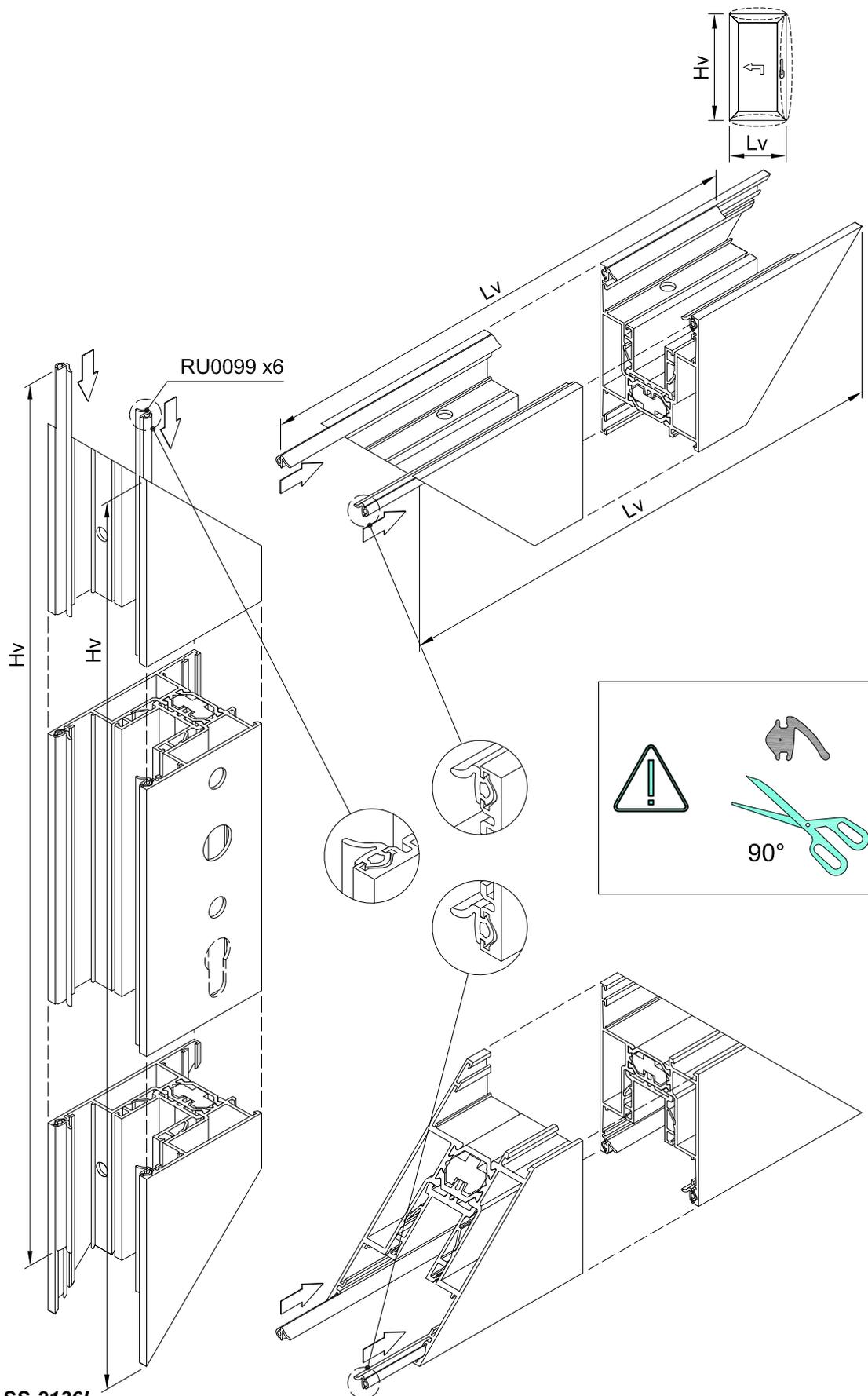


J.6.13



INSTALLAZIONE GUARNIZIONE RU0099 PER ALZANTE-SCORREVOLE

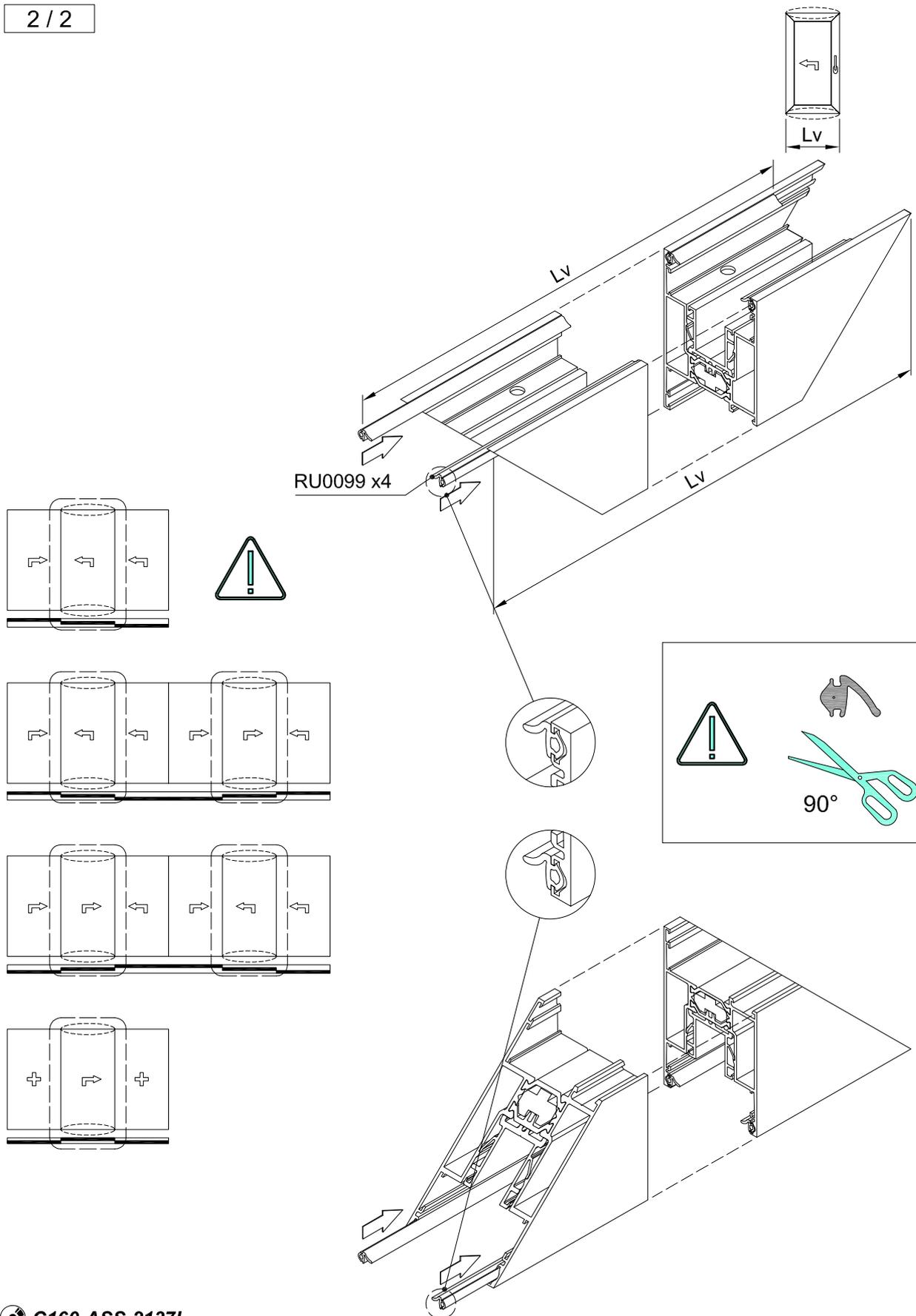
1 / 2



 **C160-ASS-2136L**

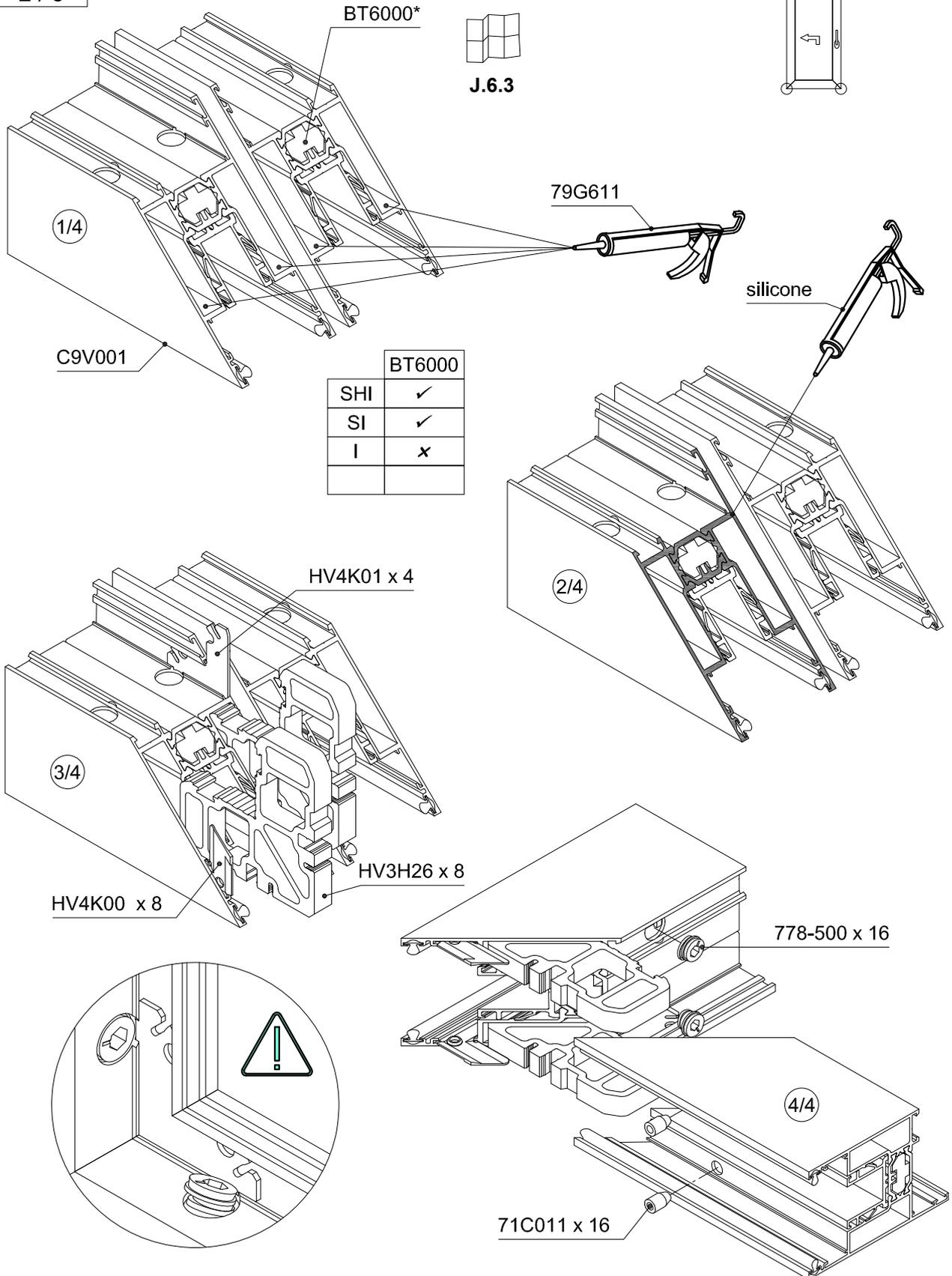
INSTALLAZIONE GUARNIZIONE RU0099 PER ALZANTE-SCORREVOLE - 3-BINARI

2 / 2



ASSEMBLAGGIO PROFILATO ANTA CON SQUADRETTE

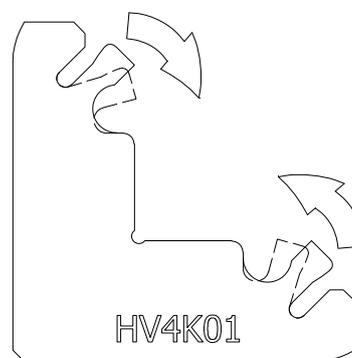
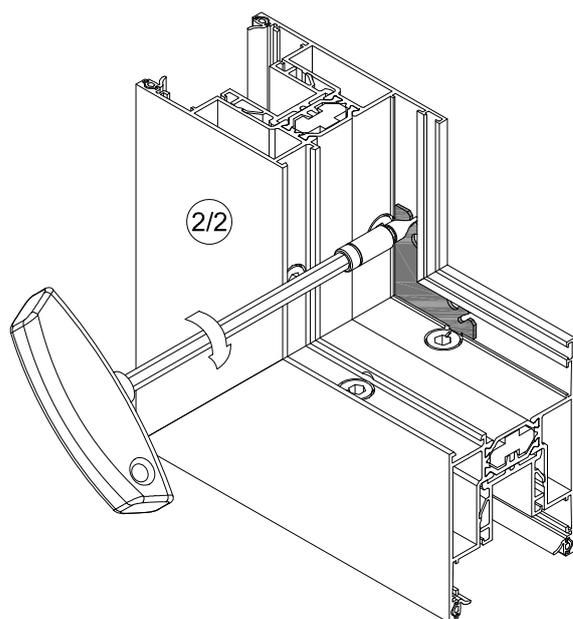
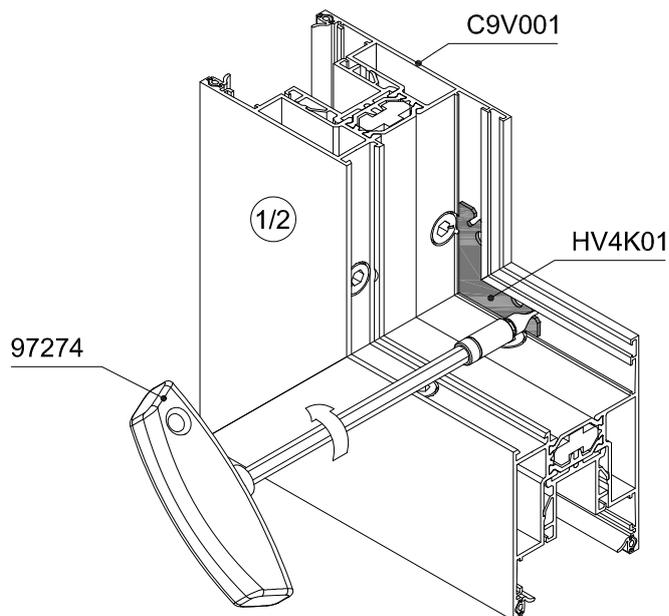
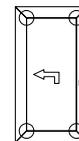
2 / 3



C160-ASS-2140L

ASSEMBLAGGIO PROFILATO ANTA CON SQUADRETTE

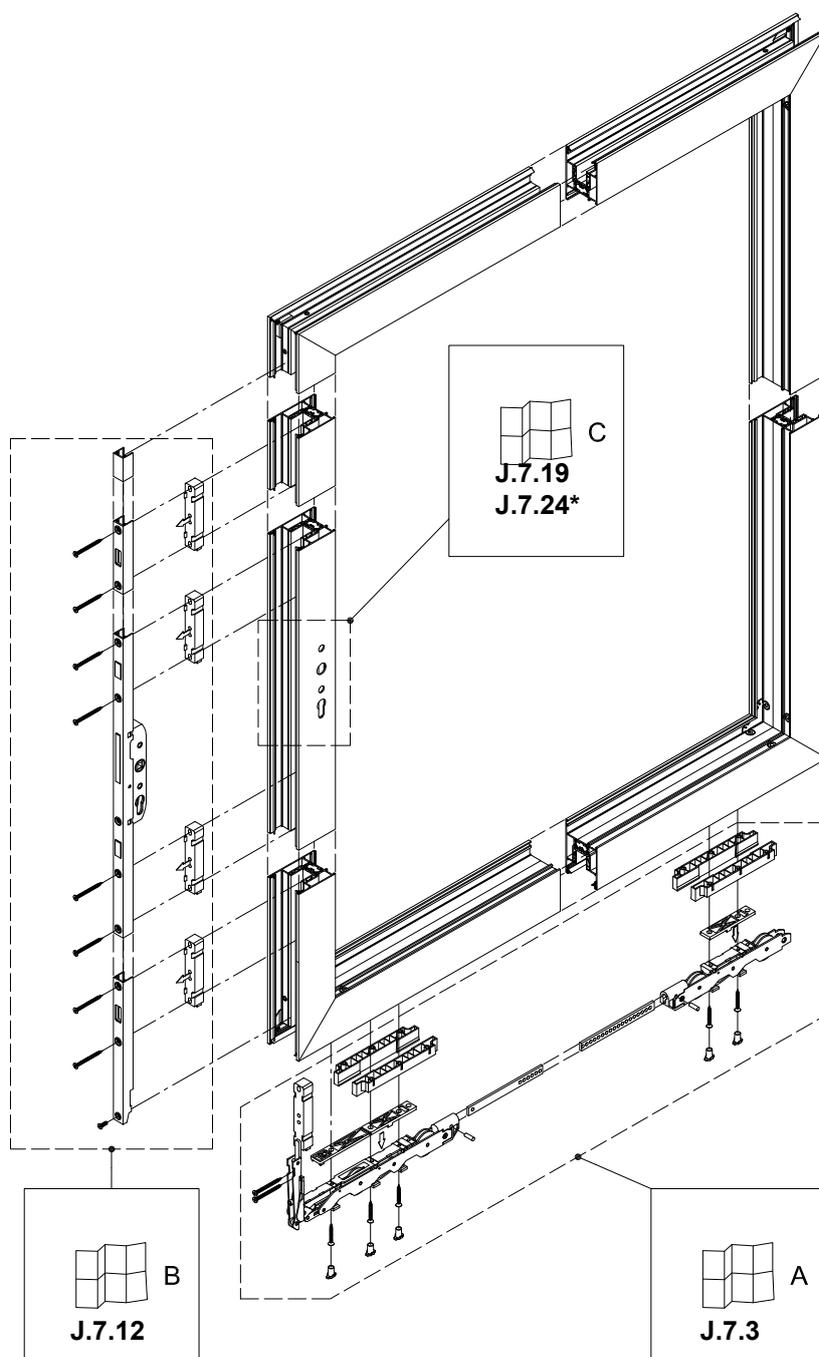
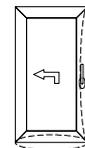
3 / 3



CONTENUTO

| | |
|--|--------|
| Assemblaggio ferramenta anta..... | J.8.1 |
| Contenuto..... | J.8.1 |
| Ferramenta alzante-scorrevole - panoramica..... | J.8.2 |
| Preparazione carrelli alzante-scorrevole..... | J.8.3 |
| Preparazione carrelli alzante-scorrevole (300 - 400 kg)..... | J.8.5 |
| Preparazione ZB0033/ZB0034/ZB0035/ZB0036..... | J.8.12 |
| Preparazione ZB0033/ZB0034/ZB0035/ZB0036 - maniglia interna..... | J.8.13 |
| Assemblaggio ZB0053/ZB0054 - sollevamento servo assistito..... | J.8.14 |
| Preparazione ZB0046..... | J.8.15 |
| Assemblaggio ZB0035/ZB0036 con ZB0046..... | J.8.16 |
| | |
| Assemblaggio meccanismo chiusura alzante-scorrevole..... | J.8.17 |
| Assemblaggio meccanismo chiusura alzante-scorrevole - anta passiva schema 4 ante..... | J.8.18 |
| Installazione maniglia interna standard alzante-scorrevole..... | J.8.19 |
| Installazione maniglia interna standard e vaschetta esterna alzante-scorrevole..... | J.8.20 |
| Installazione maniglia interna standard con mezzo cilindro alzante-scorrevole..... | J.8.21 |
| Maniglia interna standard con mezzo cilindro e vaschetta alzante-scorrevole..... | J.8.22 |
| Installazione maniglia standard su due lati con cilindro alzante-scorrevole..... | J.8.23 |
| | |
| Installazione maniglia interna S-line Harmony alzante-scorrevole..... | J.8.24 |
| Maniglia interna S-line Harmony e vaschetta esterna alzante-scorrevole..... | J.8.25 |
| Installazione maniglia interna S-line Harmony con mezzo cilindro alzante-scorrevole..... | J.8.26 |
| Maniglia interna S-line Harmony con mezzo cilindro e vaschetta alzante-scorrevole..... | J.8.27 |
| Installazione maniglia S-Line Harmony su due lati con cilindro alzante-scorrevole..... | J.8.28 |

FERRAMENTA ALZANTE-SCORREVOLE - PANORAMICA



* - S-LINE

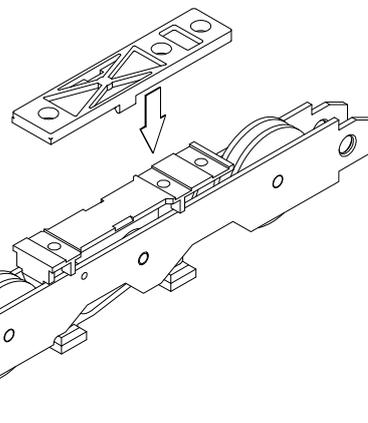
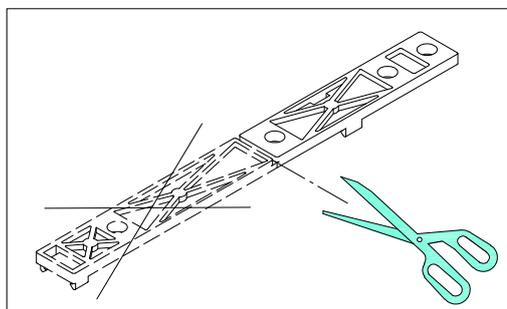
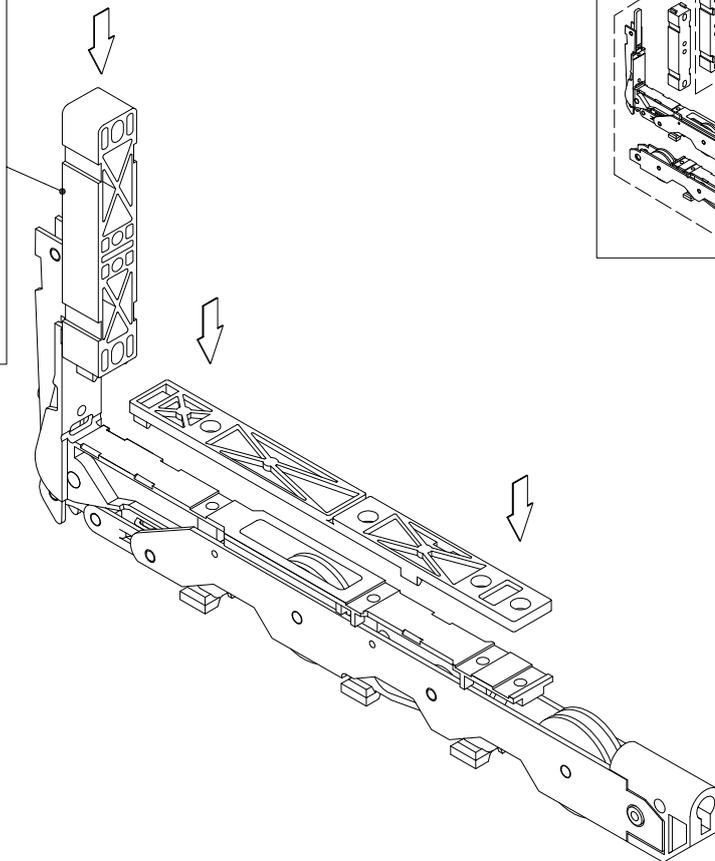
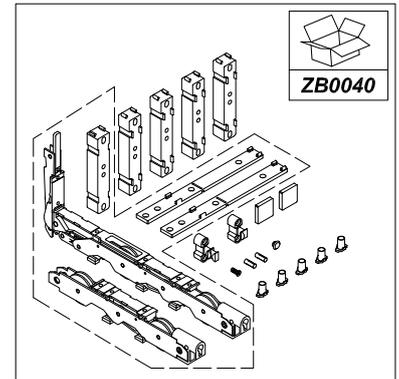
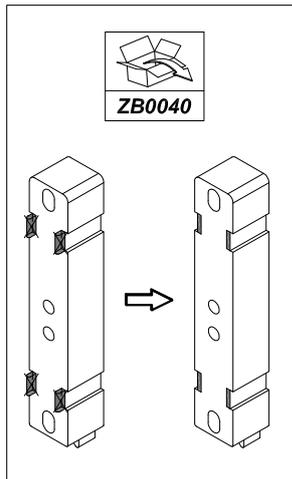
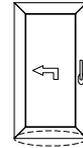
ASSEMBLAGGIO FERRAMENTA ANTA

PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE

1 / 9

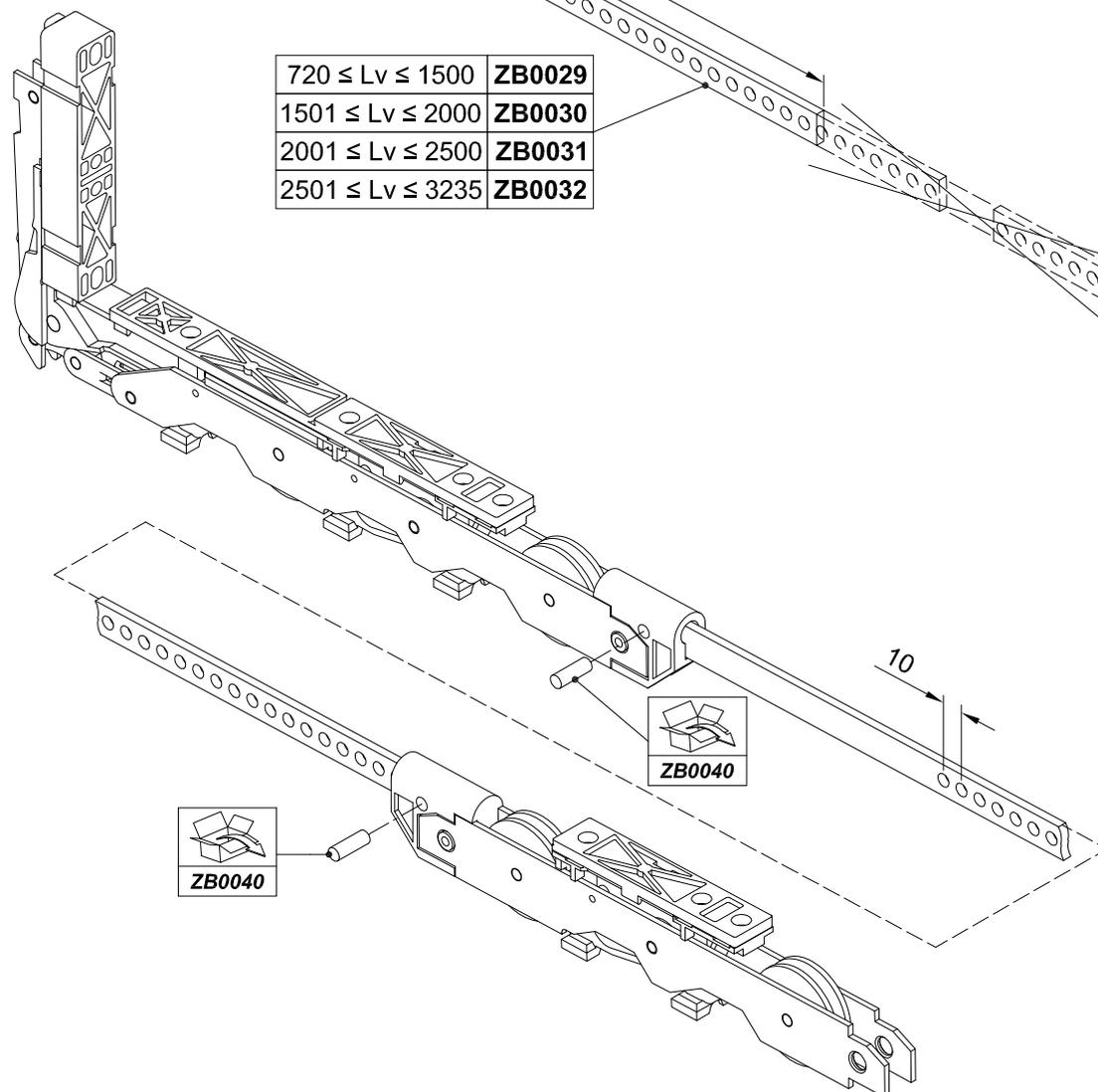
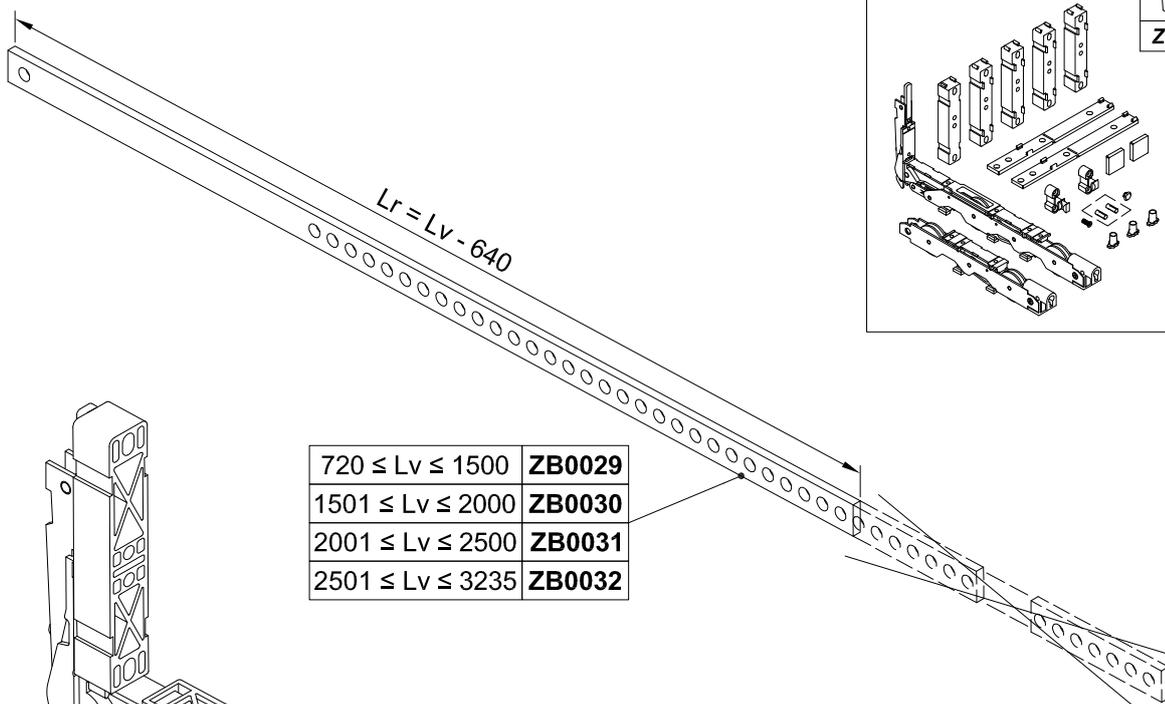
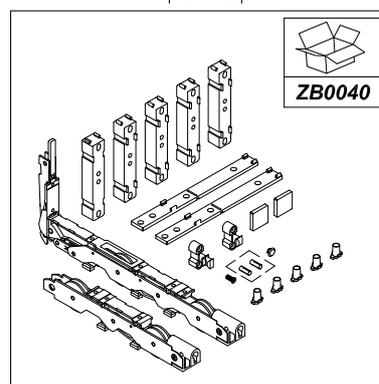
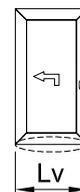


≤ 300 kg



PREPARAZIONE CARRELLI ALZANTE-SCORREVOLI

2 / 9

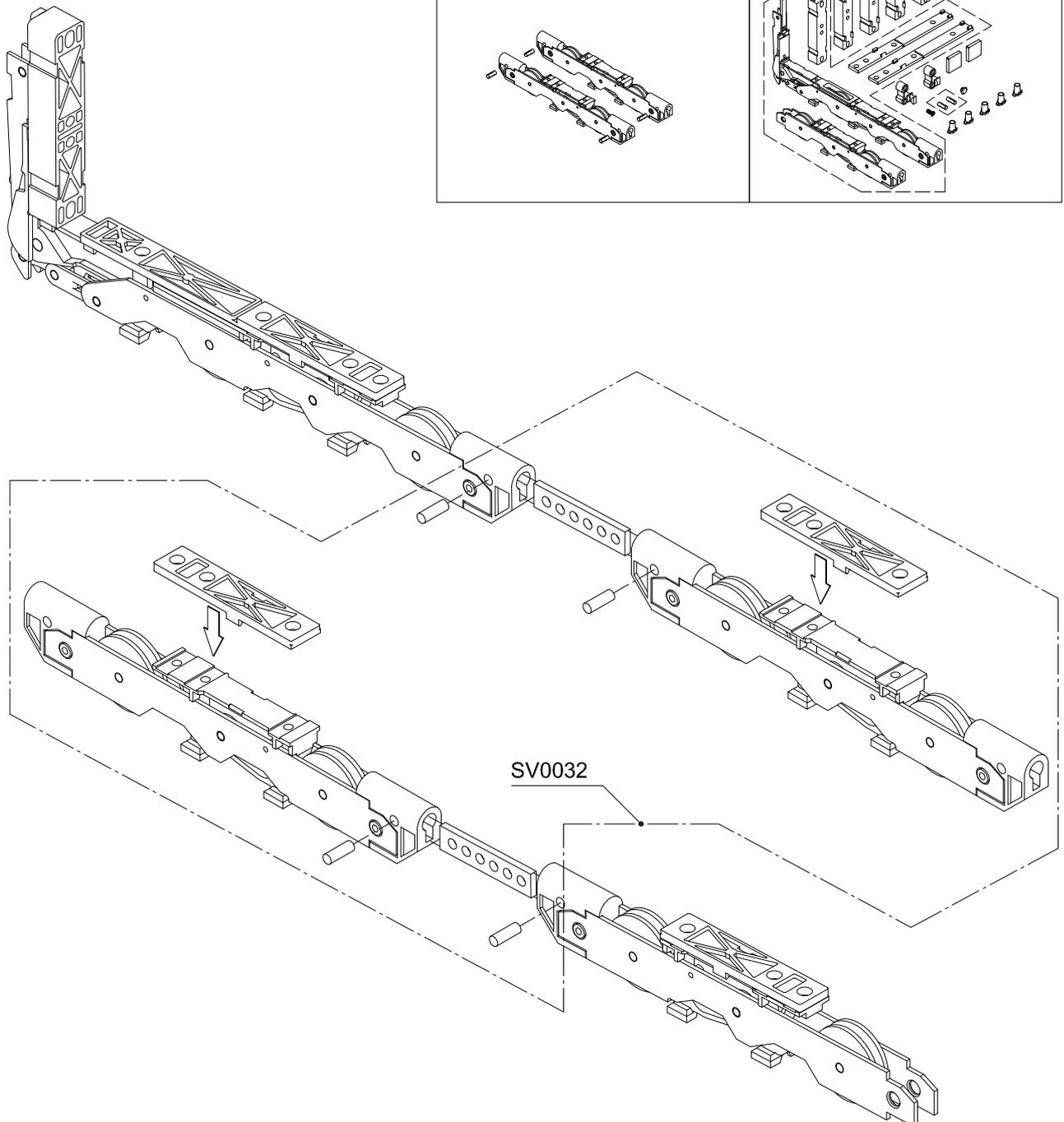
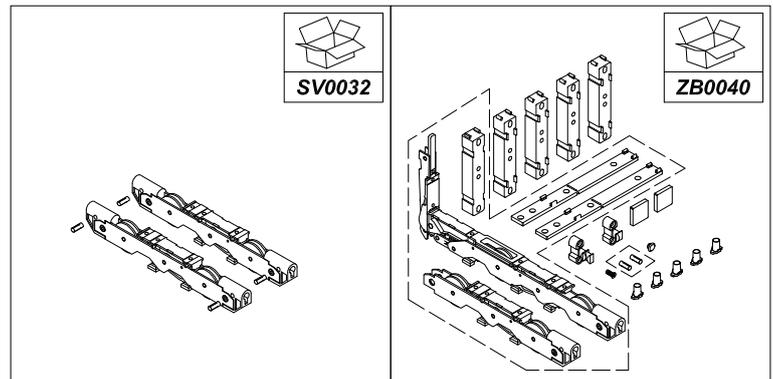
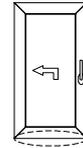


ASSEMBLAGGIO FERRAMENTA ANTA

PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE (300 - 400 KG)

3 / 9

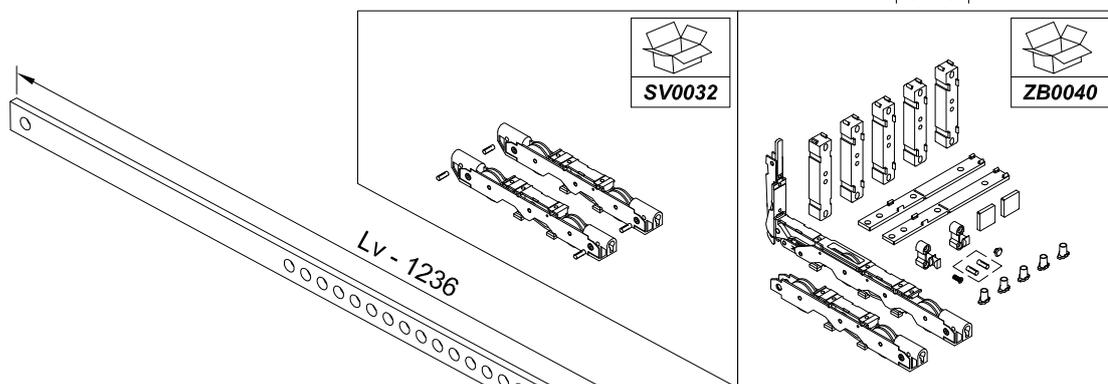
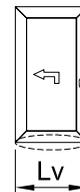
300 kg <  ≤ 400 kg



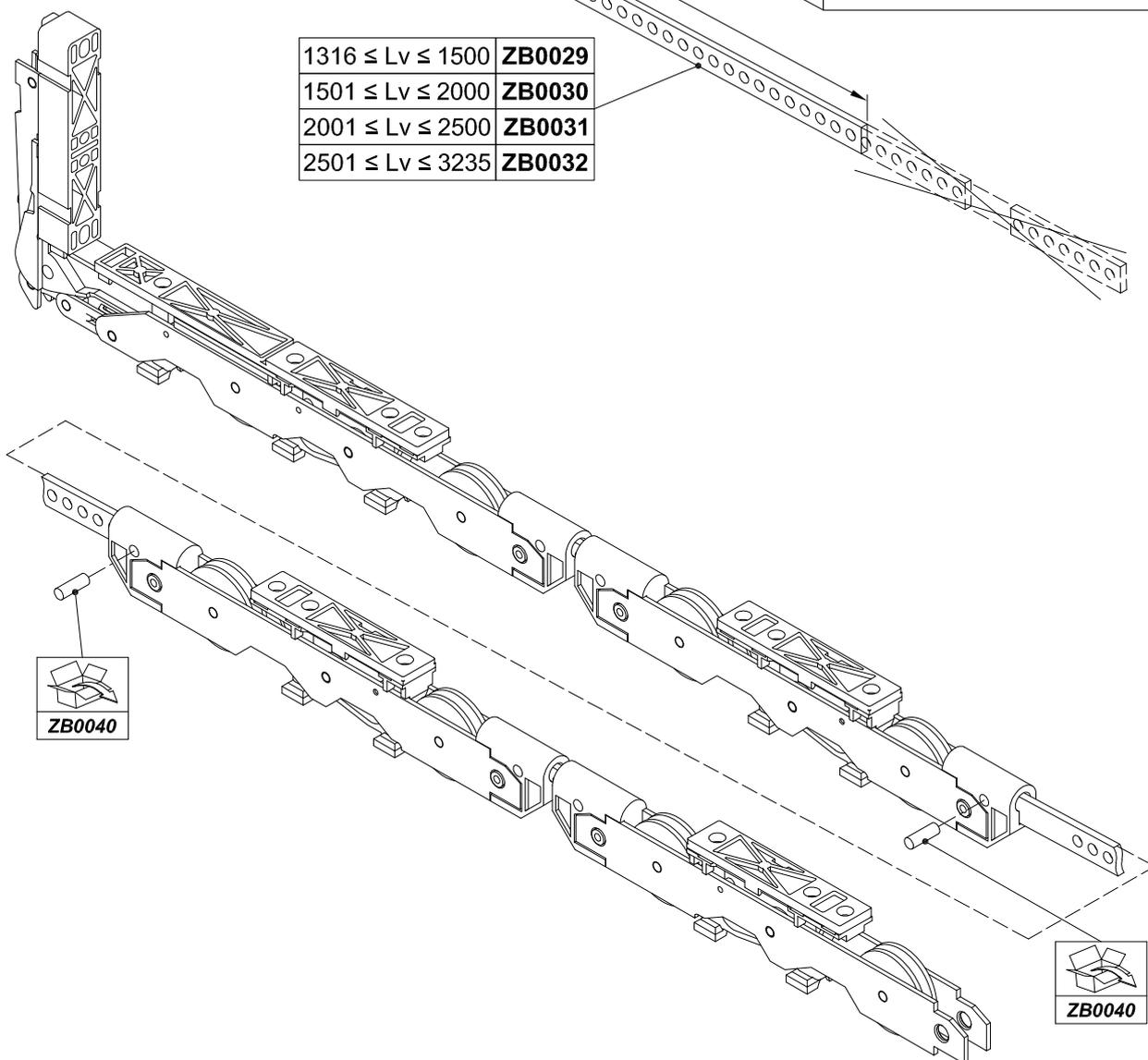
PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE (300 - 400 KG)

4 / 9

300 kg <  ≤ 400 kg



| | |
|--------------------------|---------------|
| $1316 \leq Lv \leq 1500$ | ZB0029 |
| $1501 \leq Lv \leq 2000$ | ZB0030 |
| $2001 \leq Lv \leq 2500$ | ZB0031 |
| $2501 \leq Lv \leq 3235$ | ZB0032 |



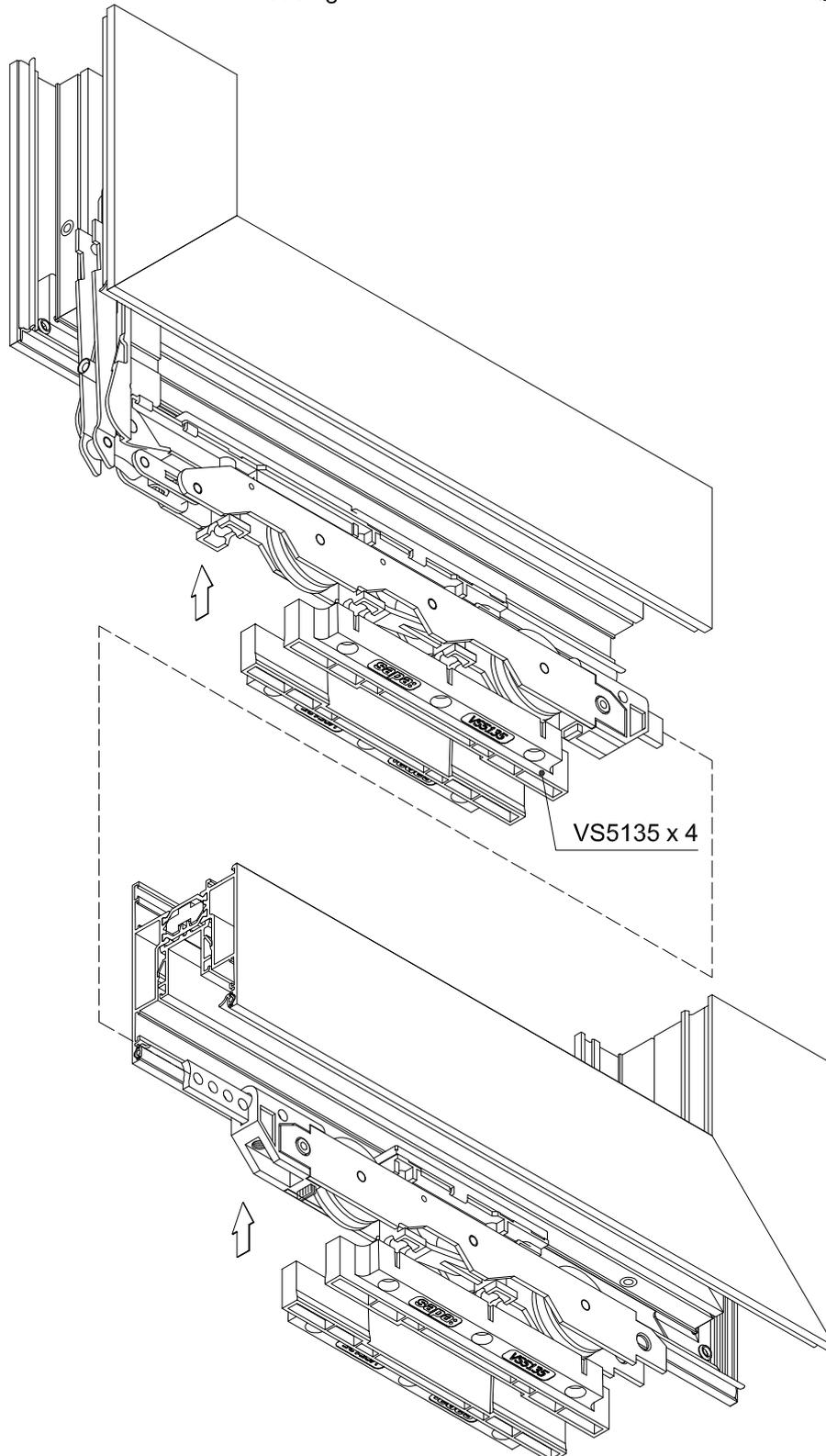
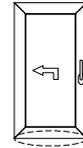
ASSEMBLAGGIO FERRAMENTA ANTA

PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE

5 / 9



≤ 300 kg

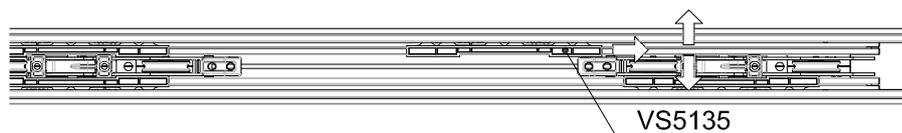
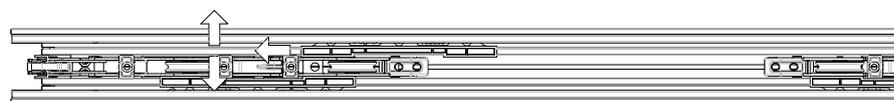
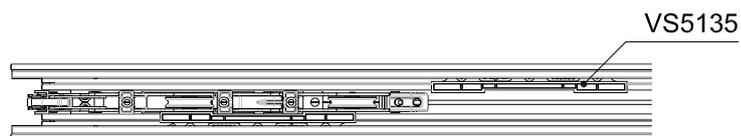
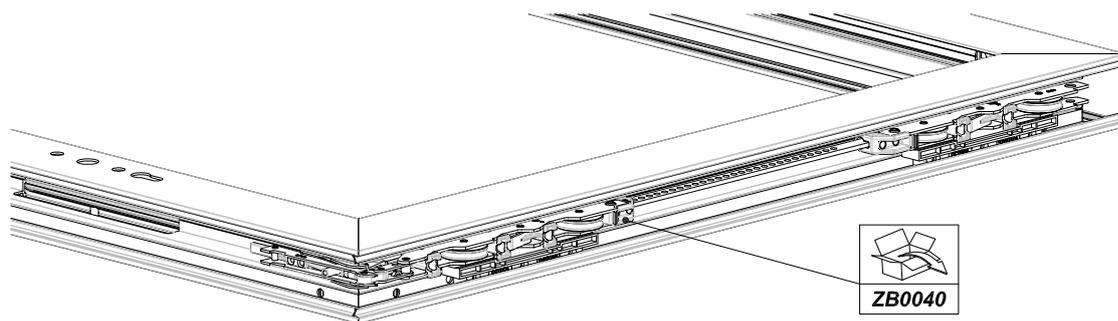
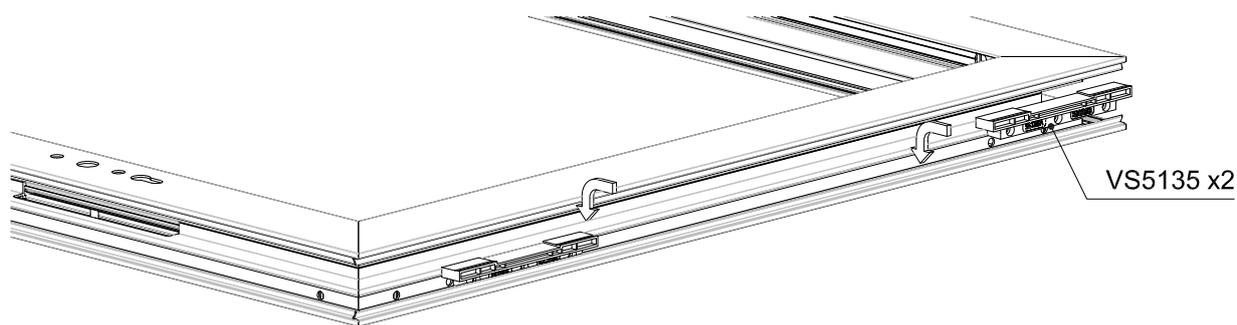
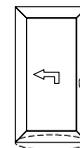


PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE

6 / 9



≤ 300 kg



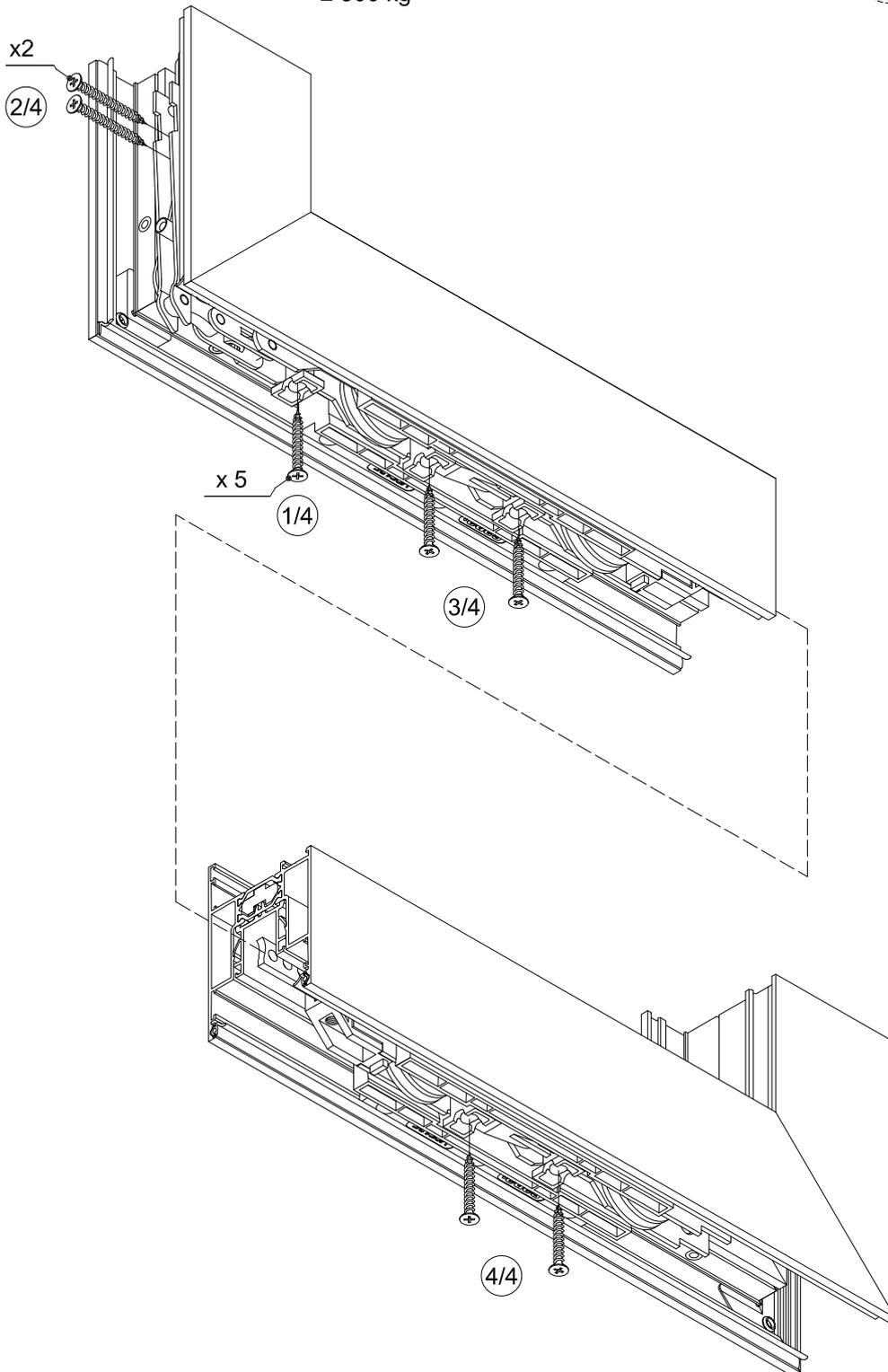
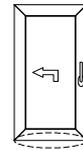
ASSEMBLAGGIO FERRAMENTA ANTA

PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE

7 / 9

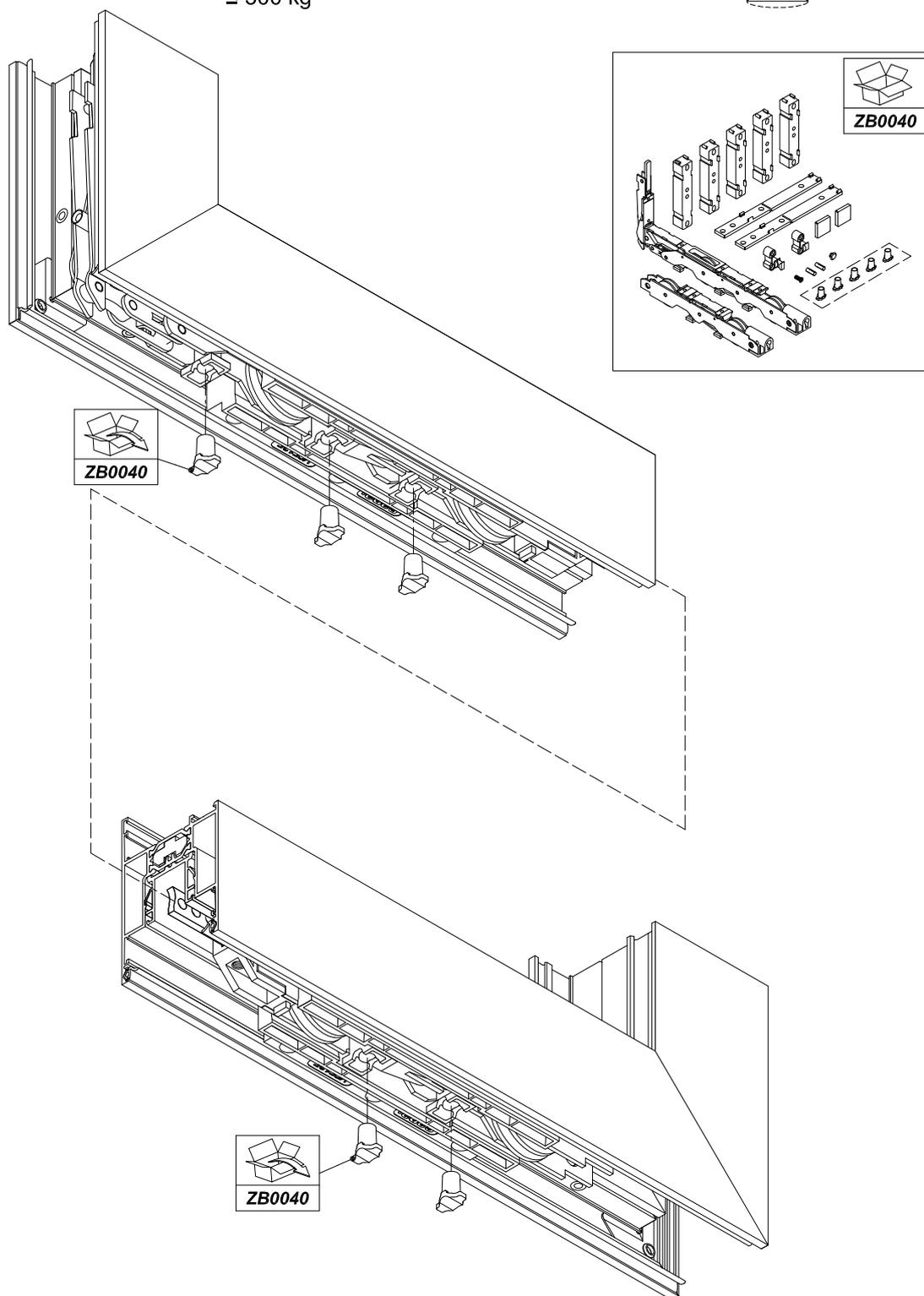
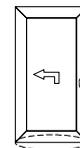


≤ 300 kg



PREPARAZIONE CARRELLI ALZANTE-SCORREVOLI

8 / 9



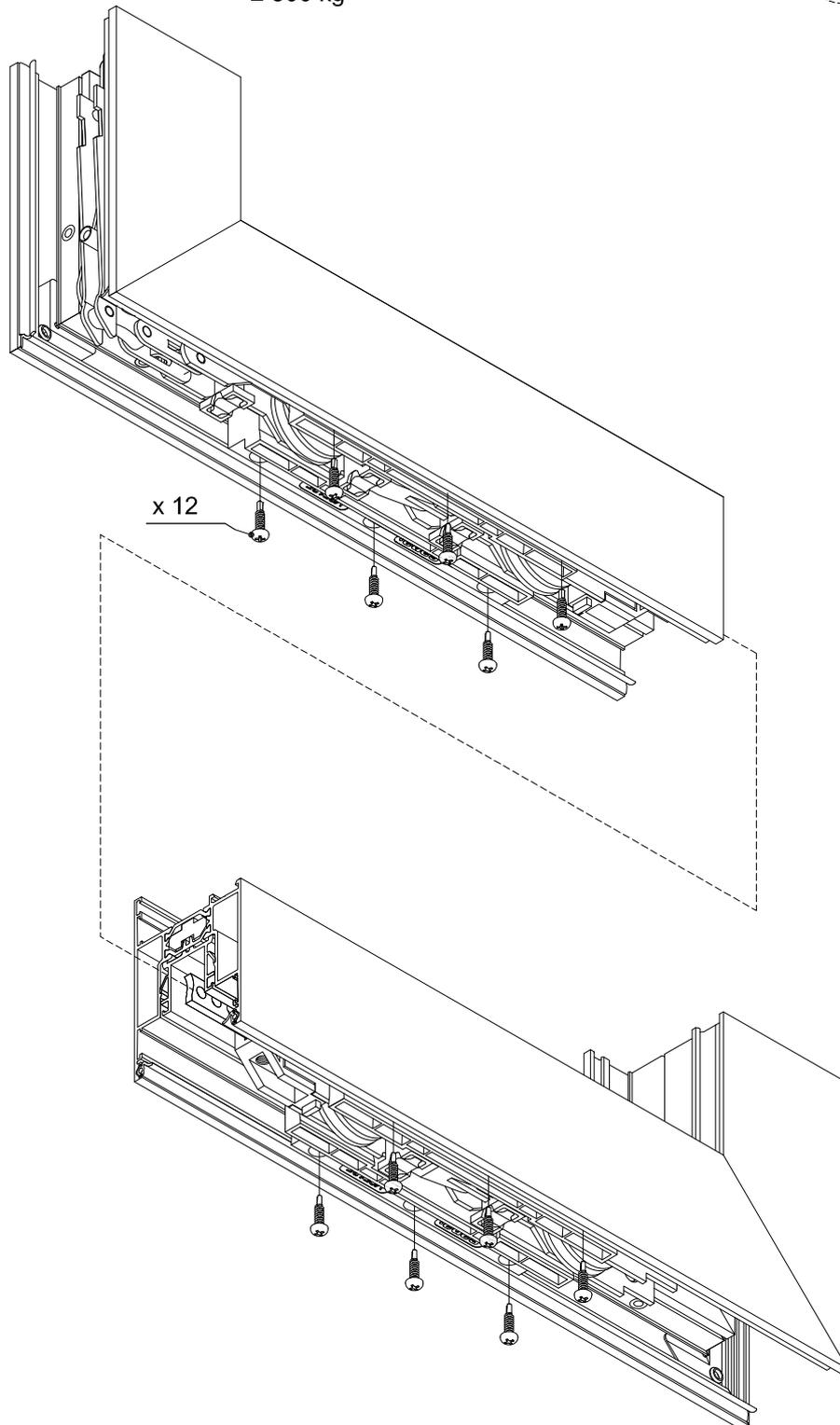
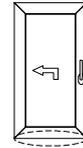
ASSEMBLAGGIO FERRAMENTA ANTA

PREPARAZIONE CARRELLI ALZANTE-SCORREVOLE

9 / 9

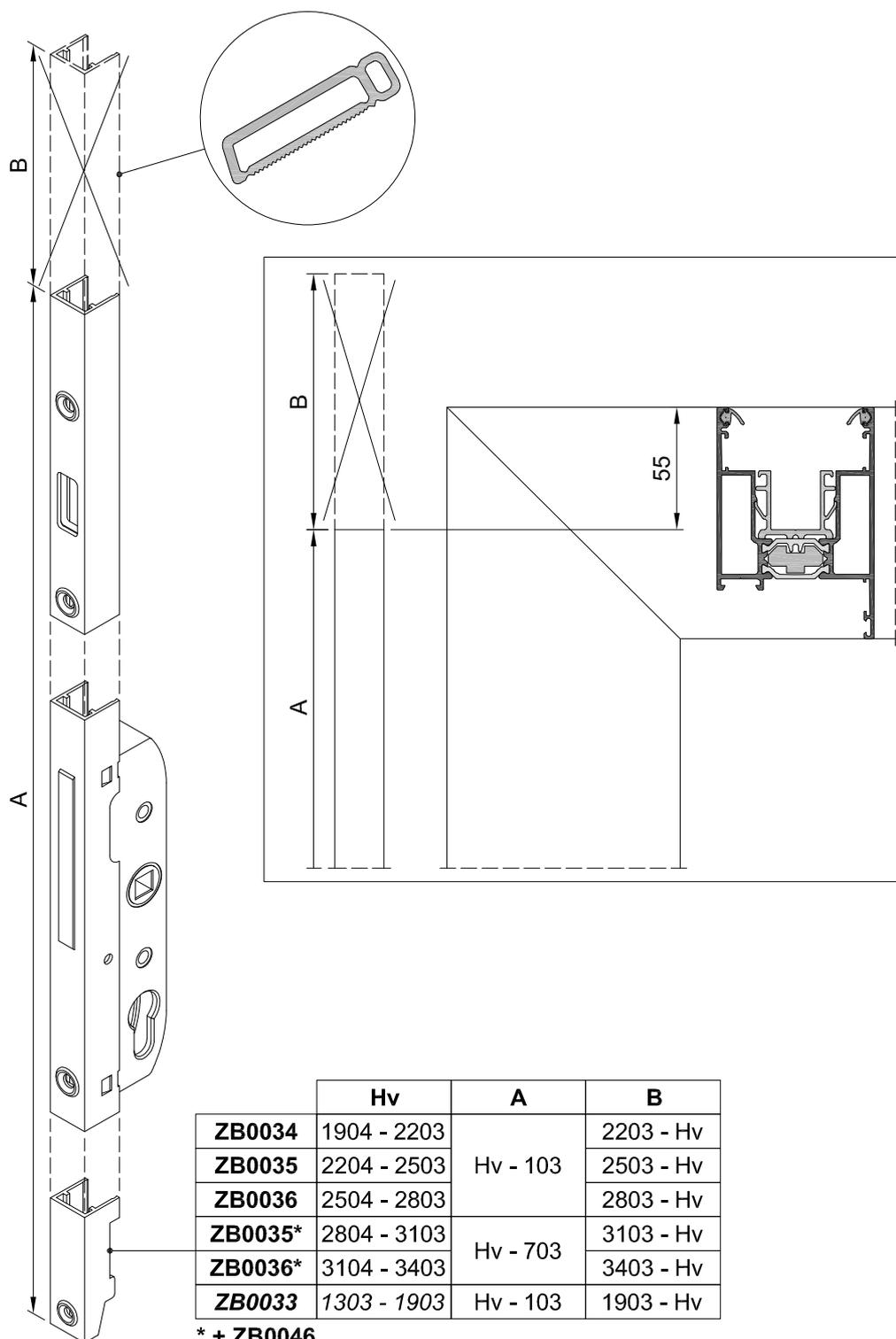
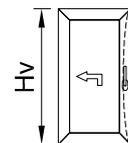


≤ 300 kg



PREPARAZIONE ZB0033/ZB0034/ZB0035/ZB0036

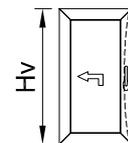
1 / 8



ASSEMBLAGGIO FERRAMENTA ANTA

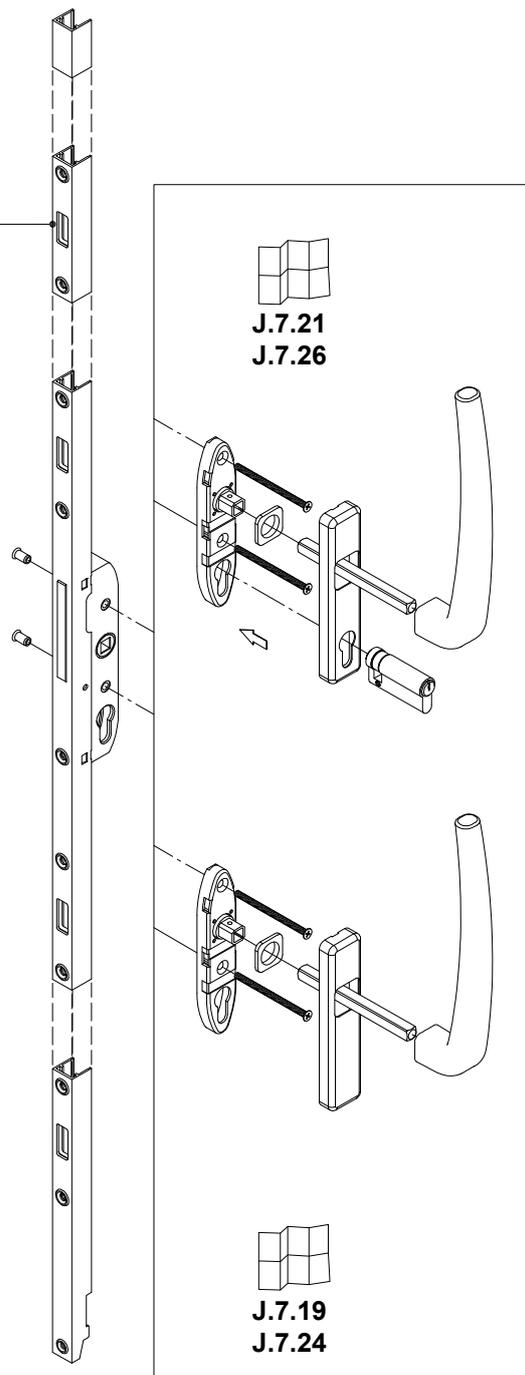
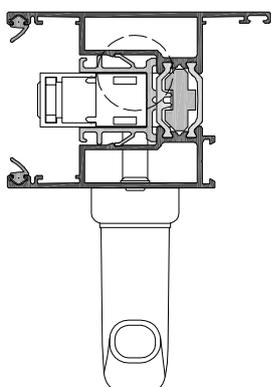
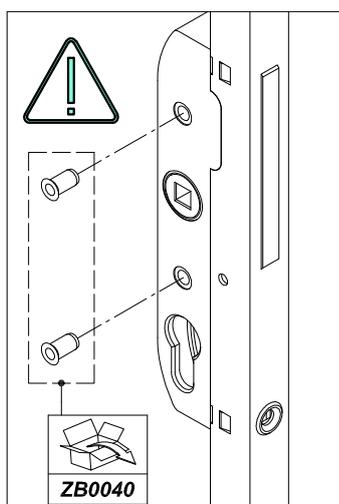
PREPARAZIONE ZB0033/ZB0034/ZB0035/ZB0036 - MANIGLIA INTERNA

2 / 8



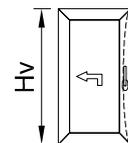
| | Hv |
|----------------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046



ASSEMBLAGGIO ZB0053/ZB0054 - SOLLEVAMENTO SERVO ASSISTITO

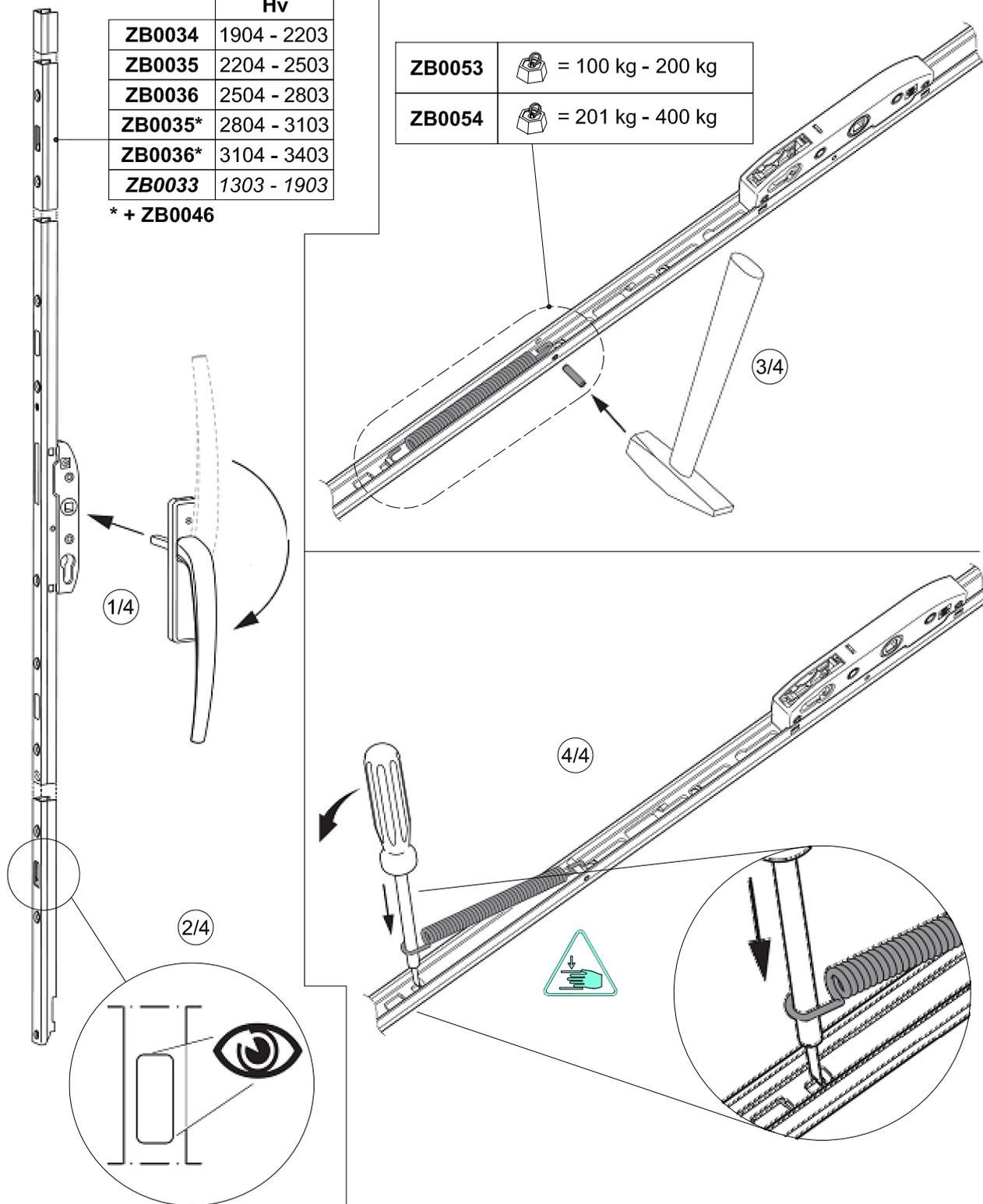
3 / 8



| | Hv |
|----------------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046

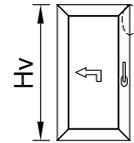
| | |
|---------------|---|
| ZB0053 |  = 100 kg - 200 kg |
| ZB0054 |  = 201 kg - 400 kg |



 **C160-ASS-2156L**

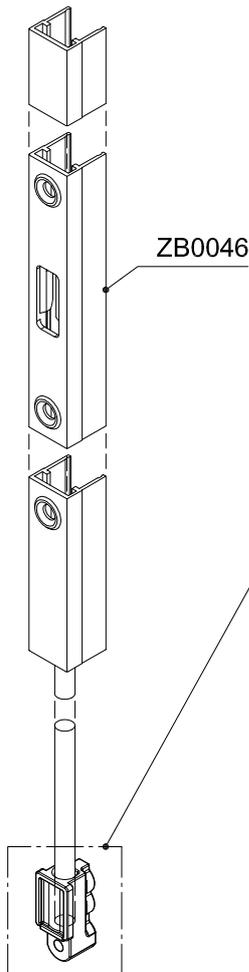
PREPARAZIONE ZB0046

4 / 8

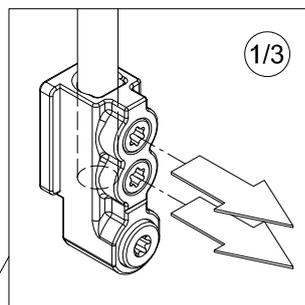


| | Hv | B |
|---------|-------------|-----------|
| ZB0035* | 2804 - 3103 | 3103 - Hv |
| ZB0036* | 3104 - 3403 | 3403 - Hv |

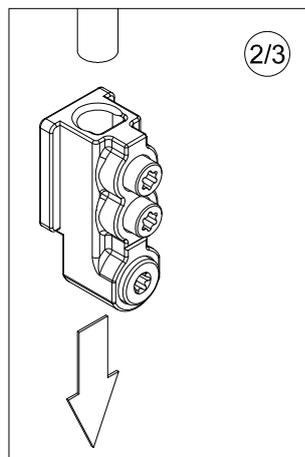
* + ZB0046



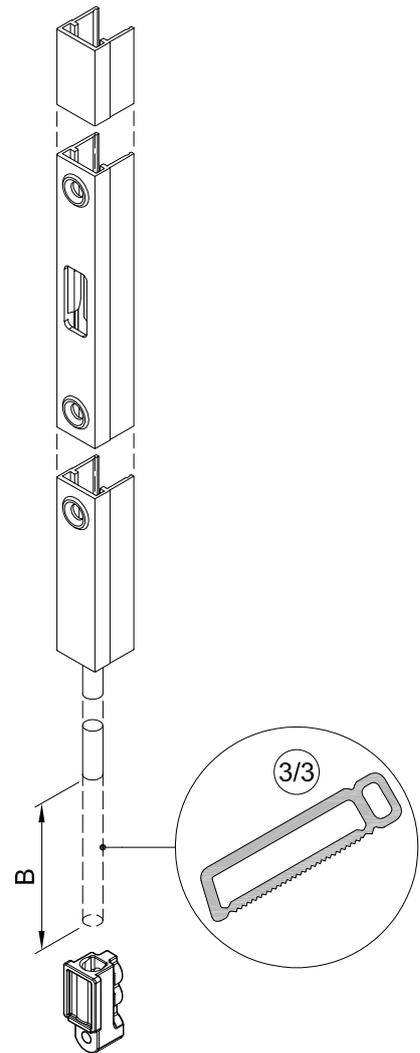
ZB0046



1/3



2/3

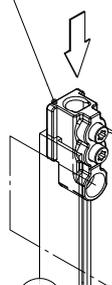
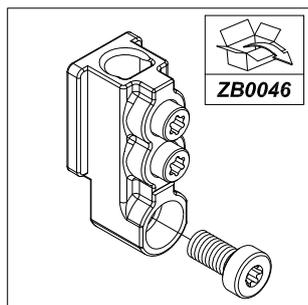
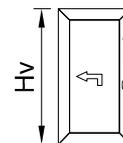


3/3

B

ASSEMBLAGGIO ZB0035/ZB0036 CON ZB0046

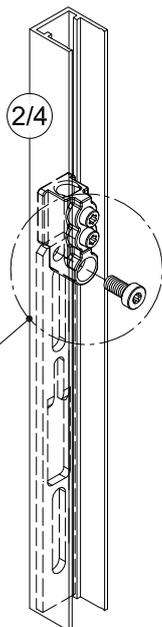
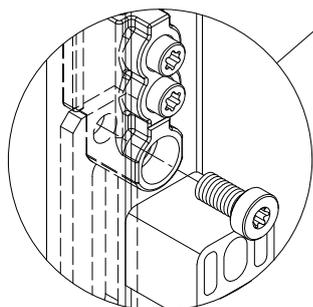
5 / 8



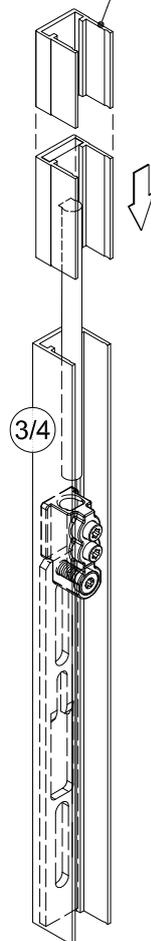
| | Hv |
|---------|-------------|
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |

* + ZB0046

1/4

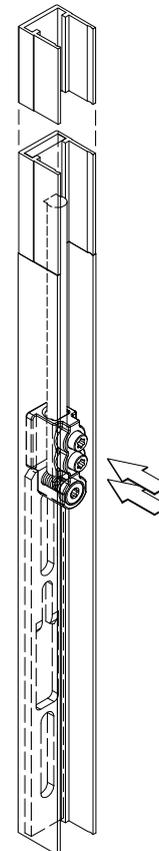


2/4



3/4

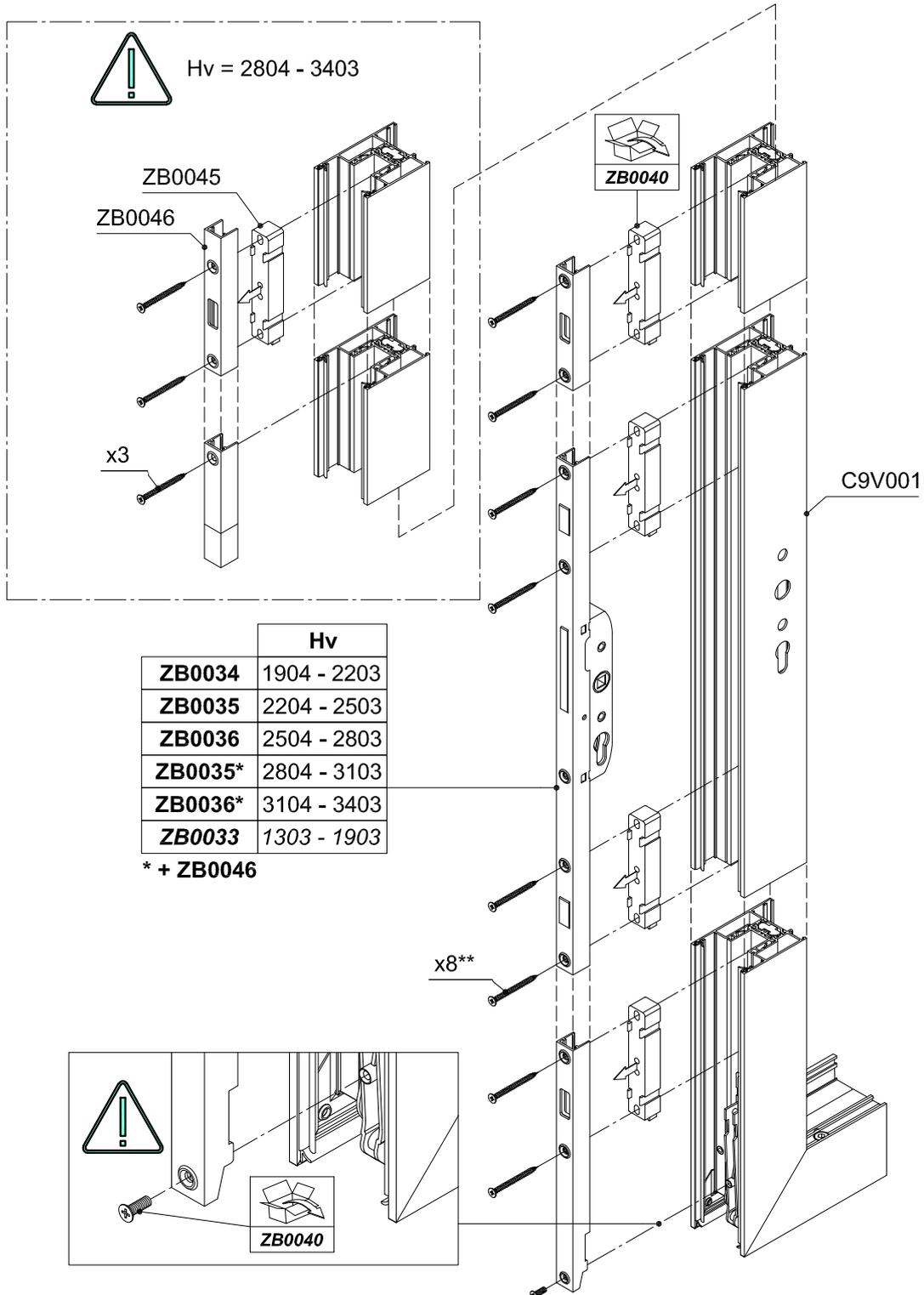
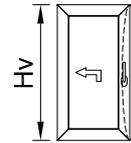
4/4



ASSEMBLAGGIO FERRAMENTA ANTA

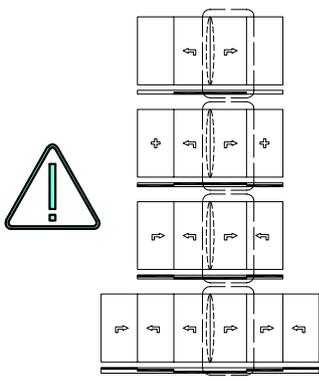
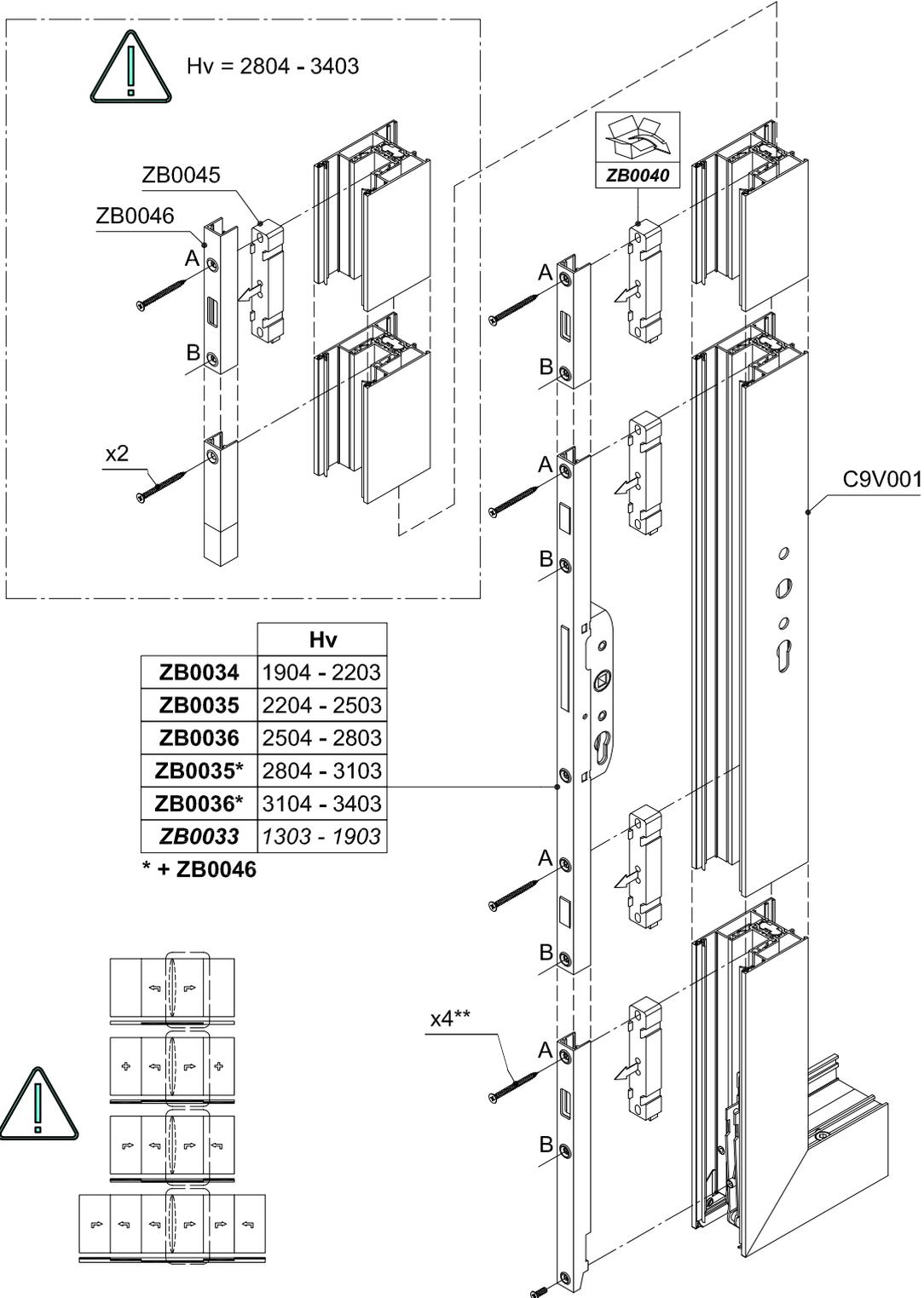
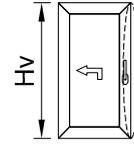
ASSEMBLAGGIO MECCANISMO CHIUSURA ALZANTE-SCORREVOLE

6 / 8



ASSEMBLAGGIO MECCANISMO CHIUSURA ALZANTE-SCORREVOLE - ANTA PASSIVA SCHEMA 4 ANTE

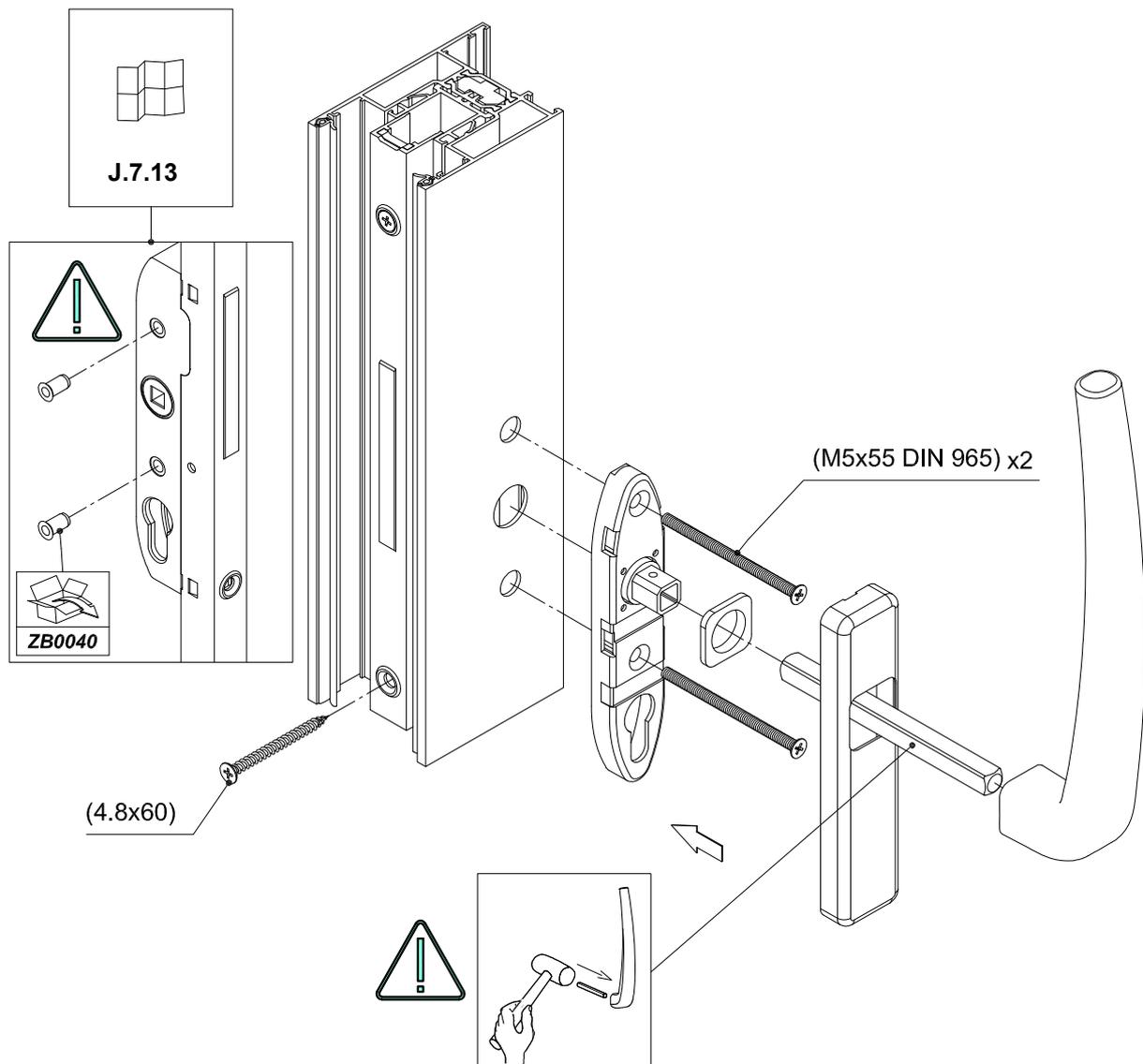
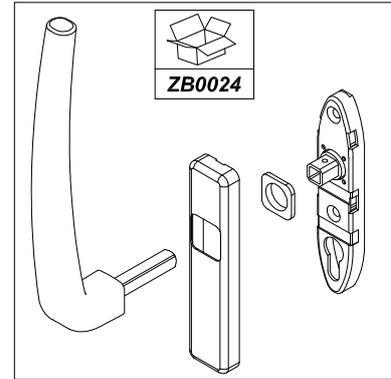
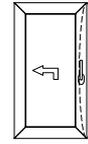
7 / 8



ASSEMBLAGGIO FERRAMENTA ANTA

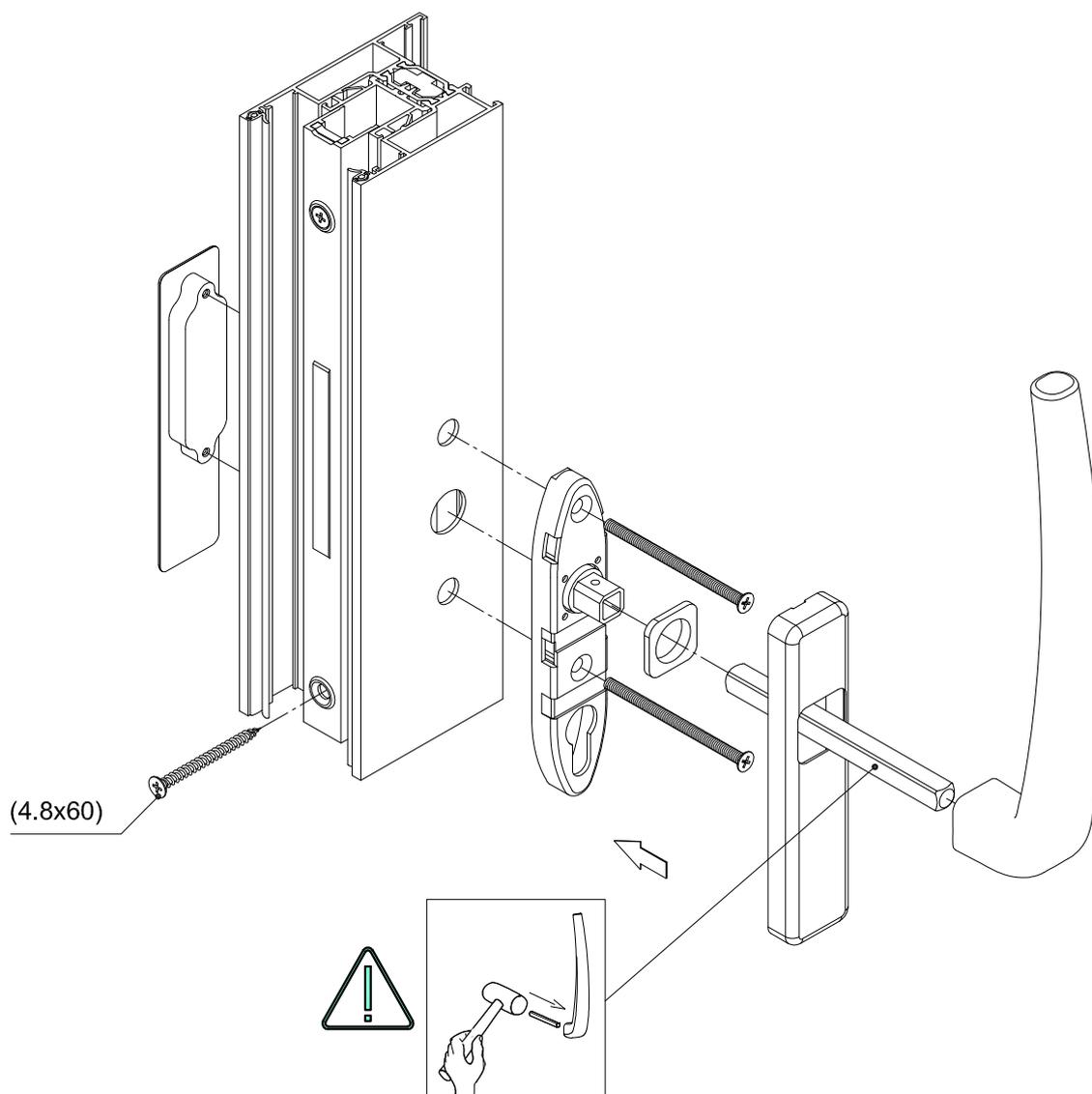
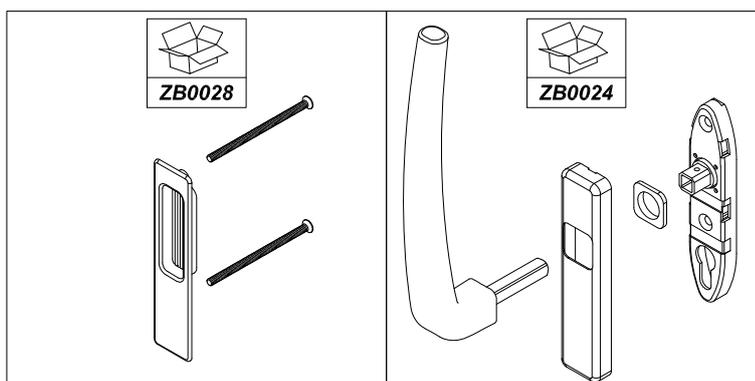
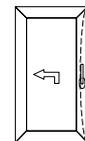
INSTALLAZIONE MANIGLIA INTERNA STANDARD ALZANTE-SCORREVOLE

1 / 5



INSTALLAZIONE MANIGLIA INTERNA STANDARD E VASCHETTA ESTERNA ALZANTE-SCORREVOLE

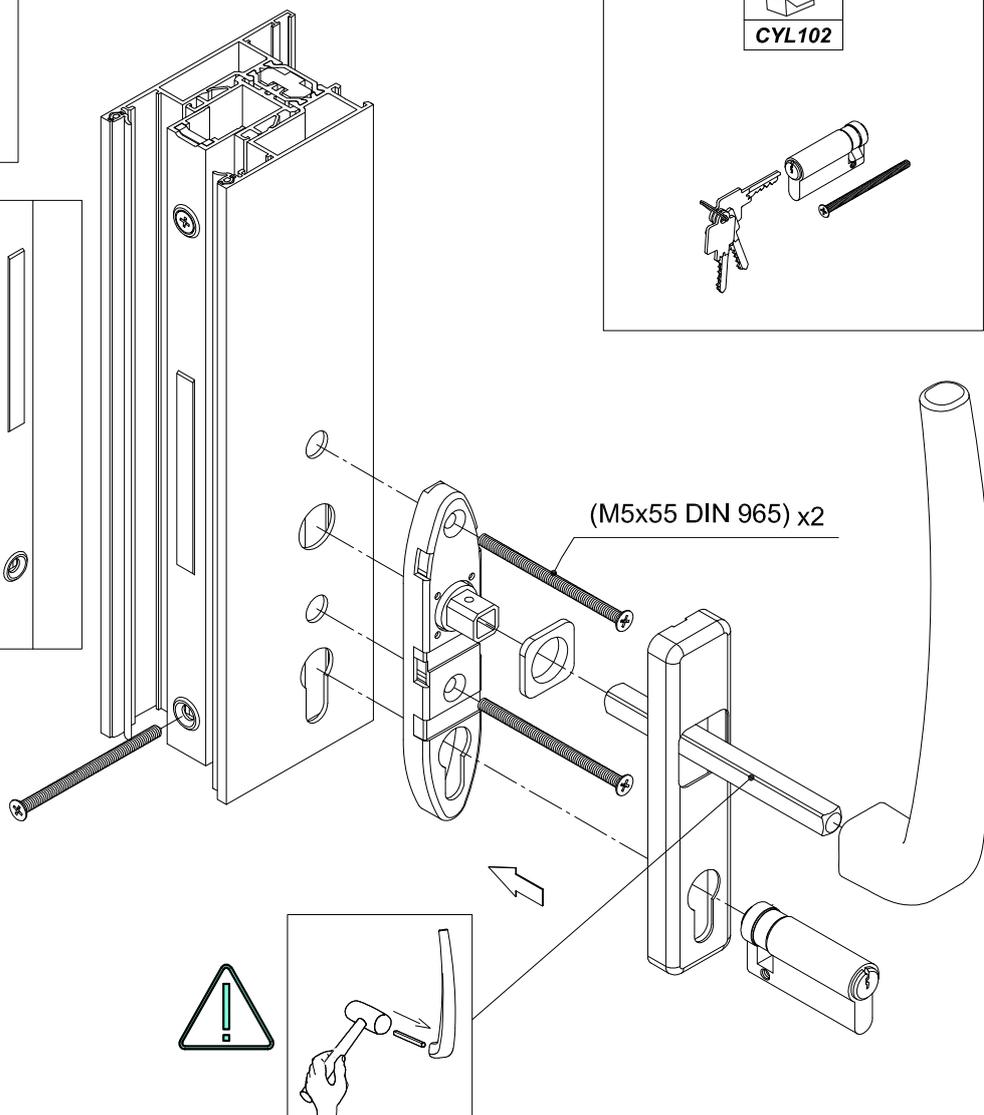
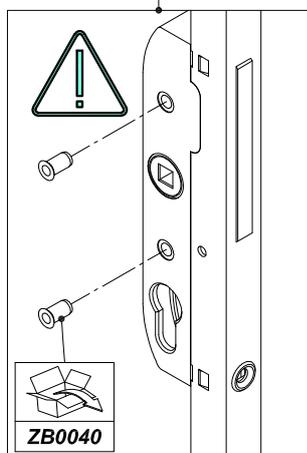
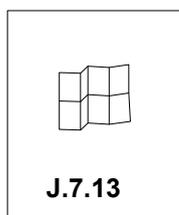
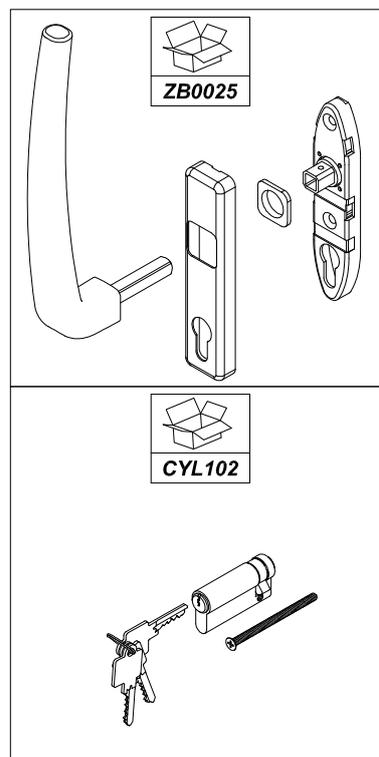
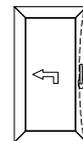
2 / 5



ASSEMBLAGGIO FERRAMENTA ANTA

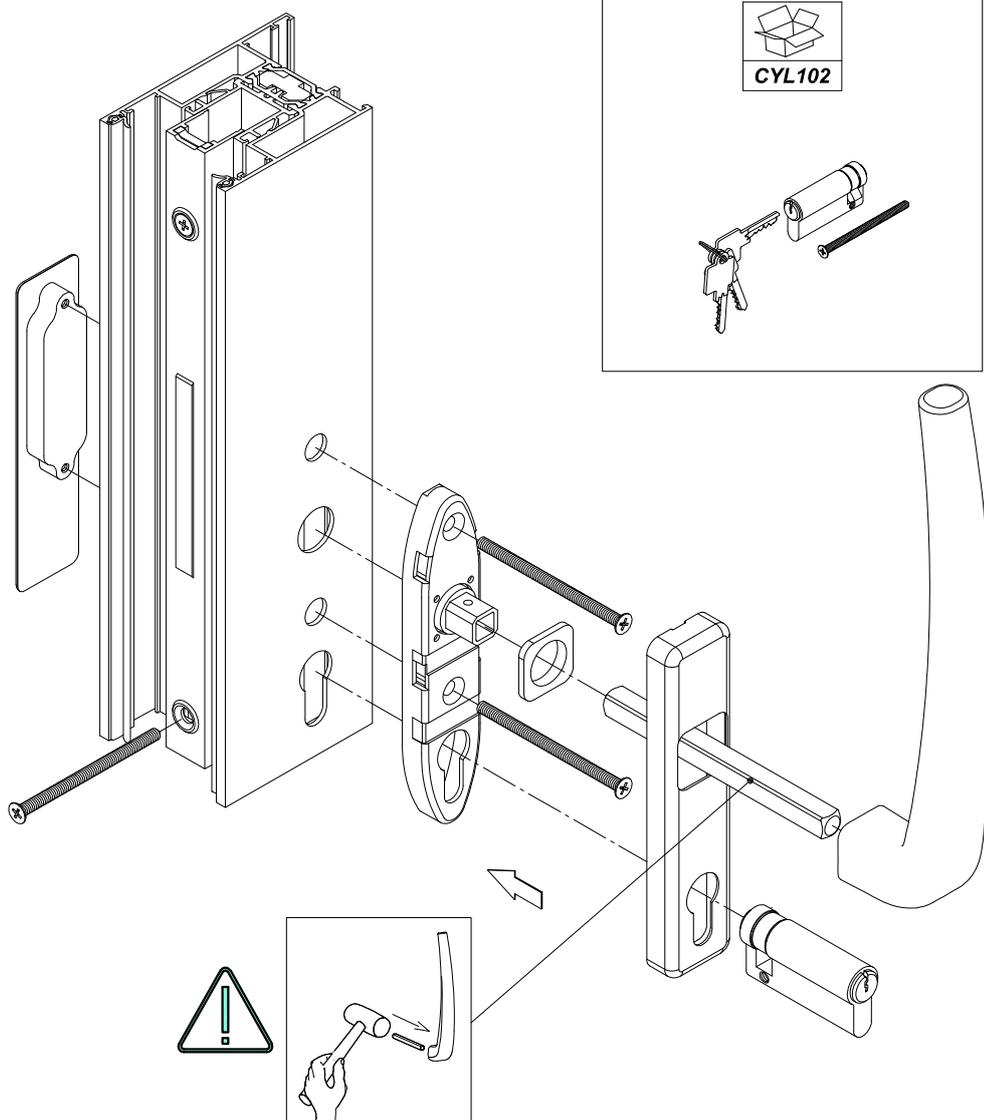
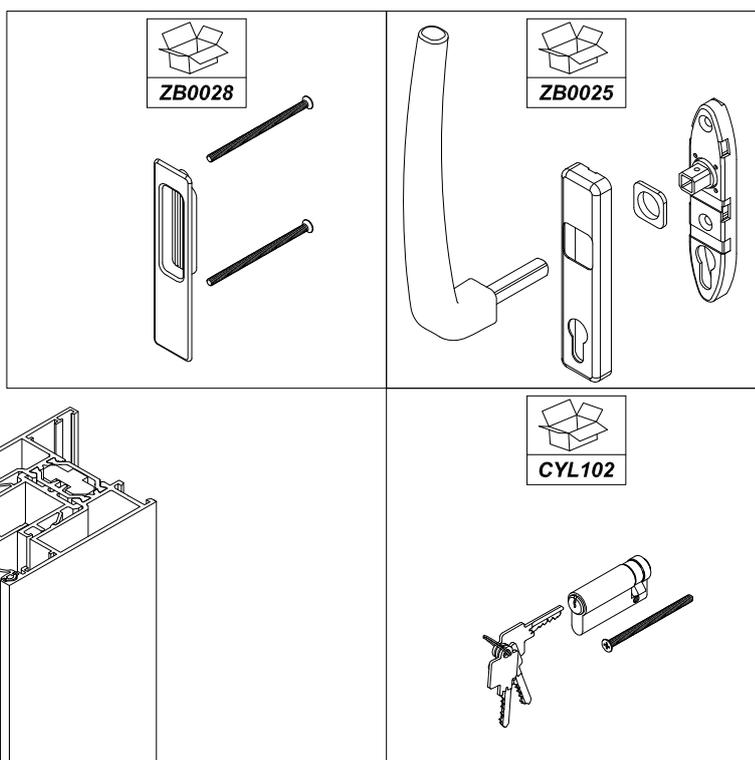
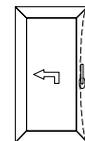
INSTALLAZIONE MANIGLIA INTERNA STANDARD CON MEZZO CILINDRO ALZANTE-SCORREVOLE

3 / 5



MANIGLIA INTERNA STANDARD CON MEZZO CILINDRO E VASCHETTA ALZANTE-SCORREVOLE

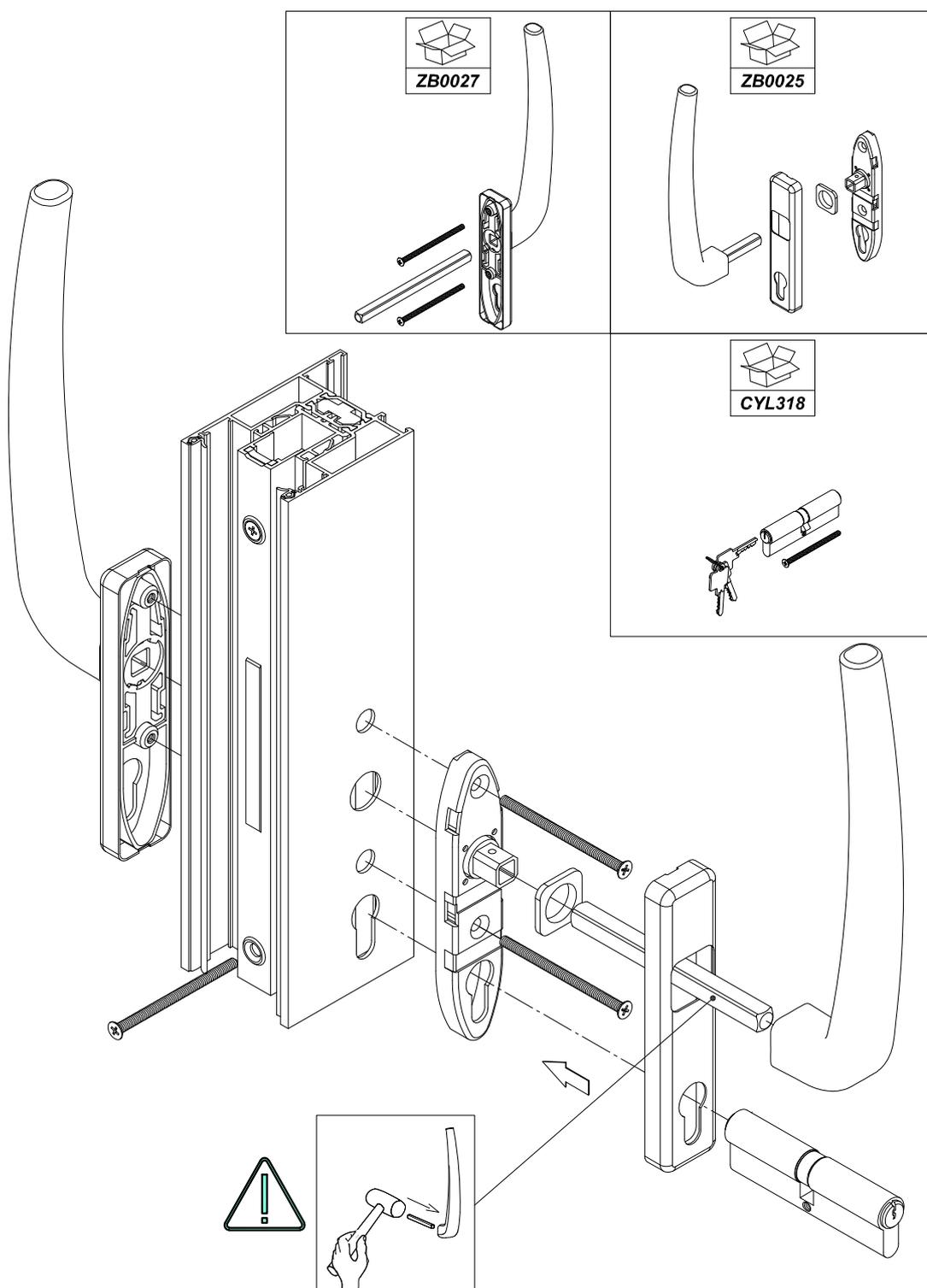
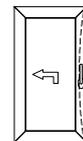
4 / 5



ASSEMBLAGGIO FERRAMENTA ANTA

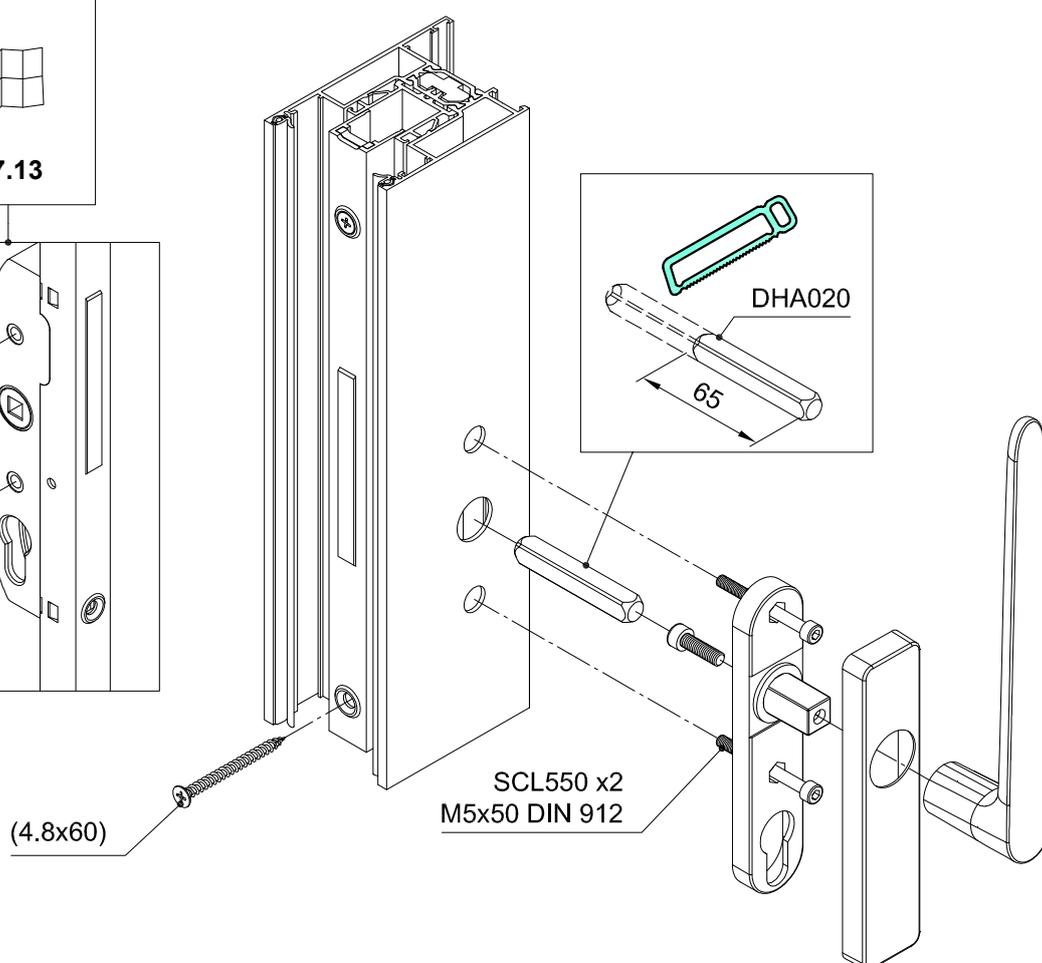
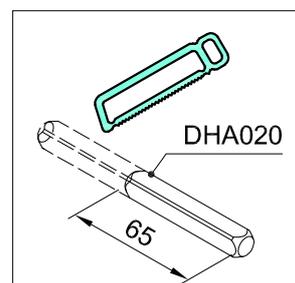
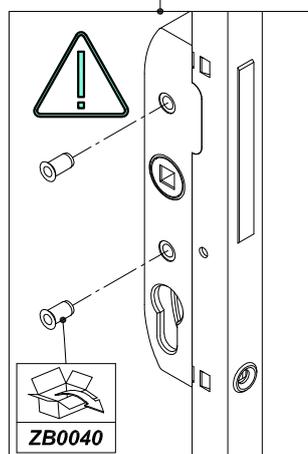
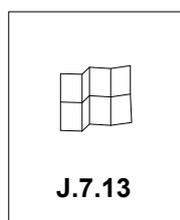
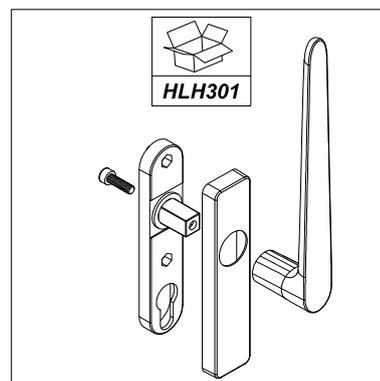
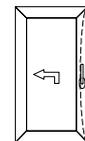
INSTALLAZIONE MANIGLIA STANDARD SU DUE LATI CON CILINDRO ALZANTE-SCORREVOLE

5 / 5



INSTALLAZIONE MANIGLIA INTERNA S-LINE HARMONY ALZANTE-SCORREVOLE

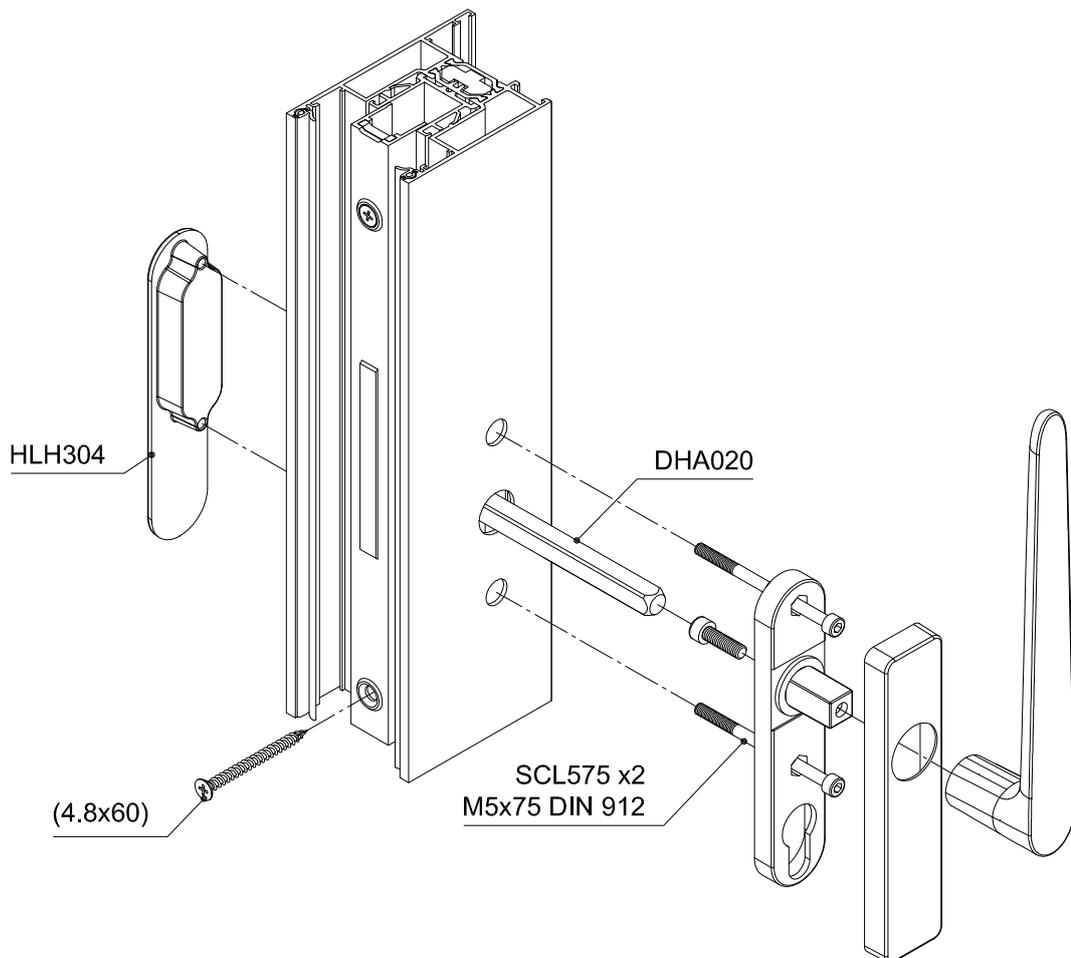
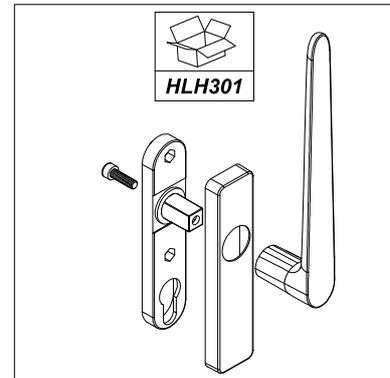
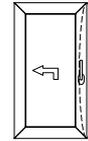
1 / 5



ASSEMBLAGGIO FERRAMENTA ANTA

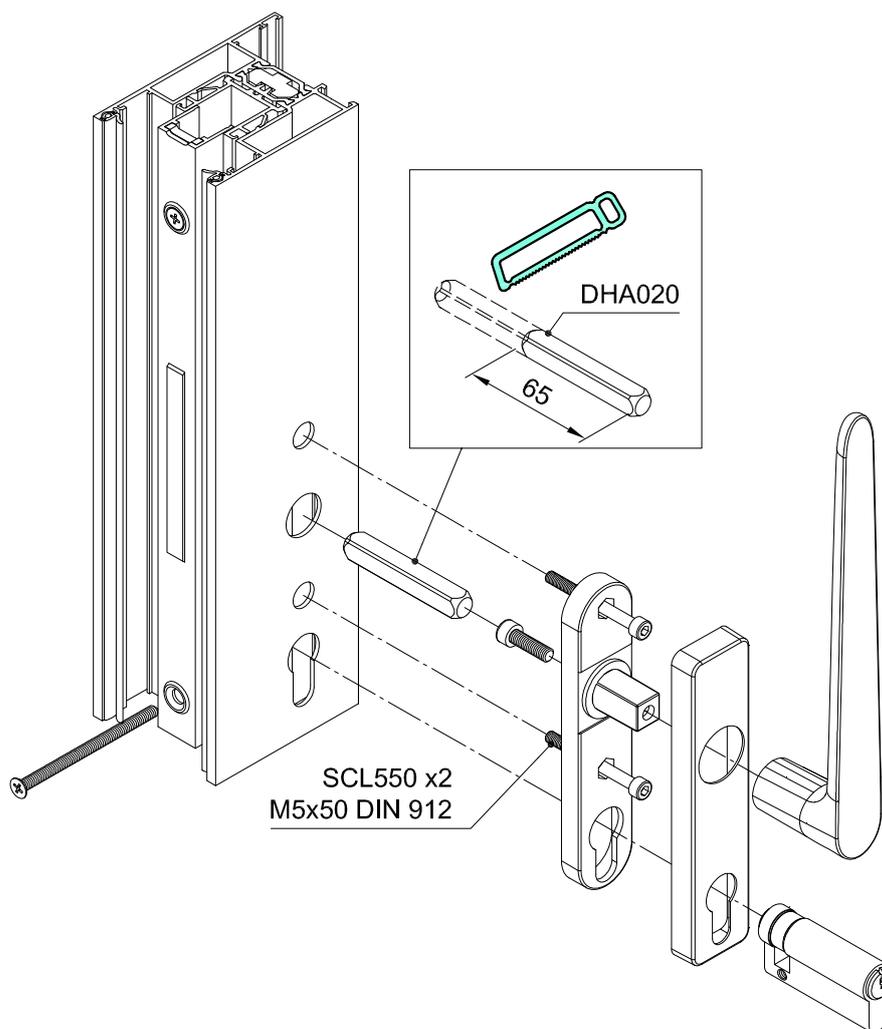
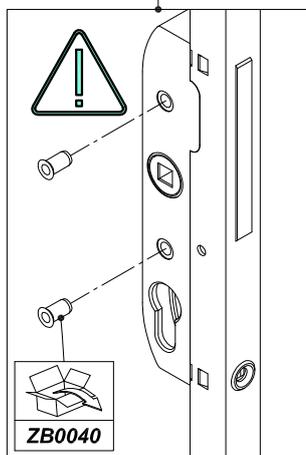
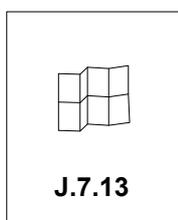
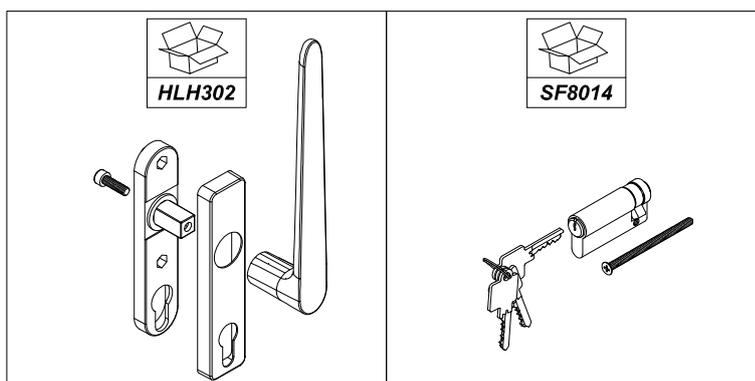
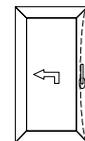
MANIGLIA INTERNA S-LINE HARMONY E VASCHETTA ESTERNA ALZANTE-SCORREVOLE

2 / 5



INSTALLAZIONE MANIGLIA INTERNA S-LINE HARMONY CON MEZZO CILINDRO ALZANTE-SCORREVOLE

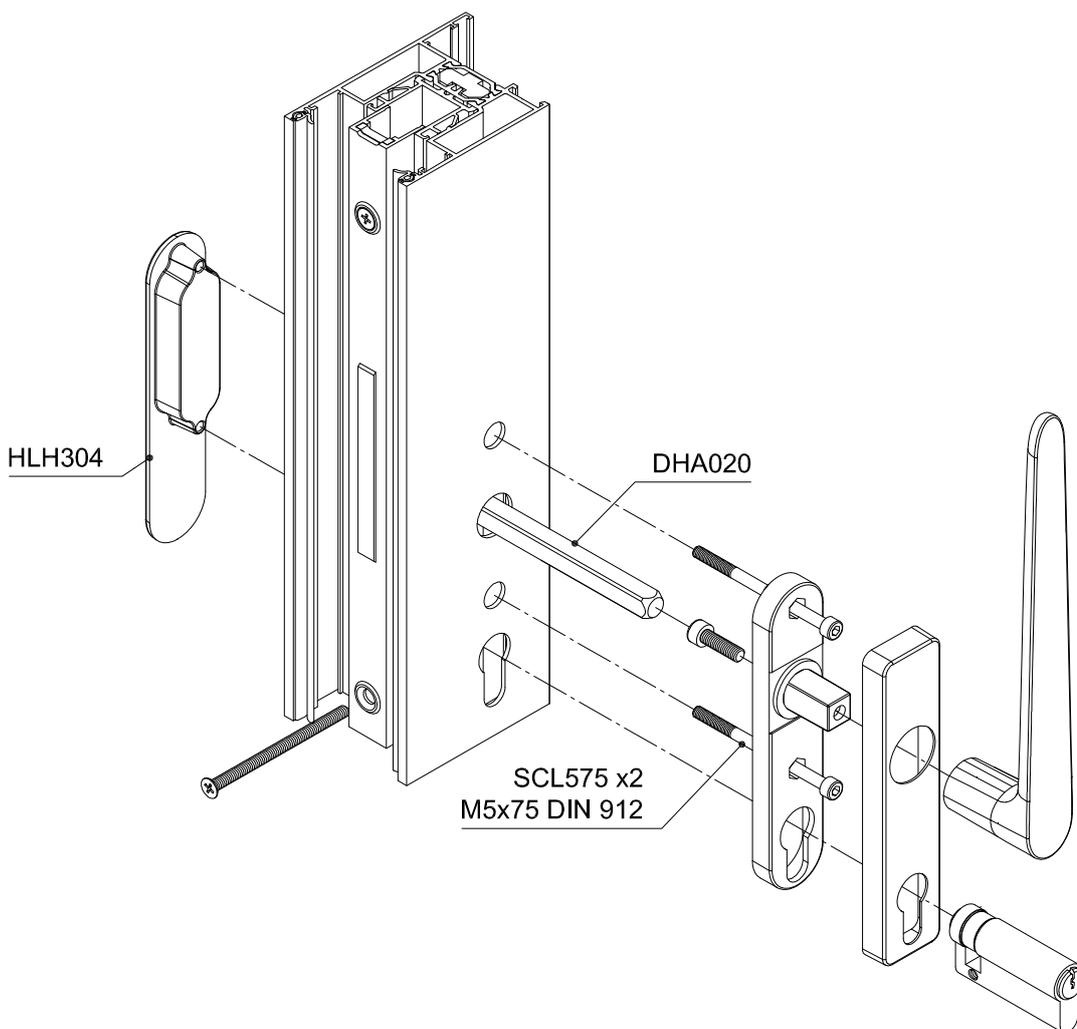
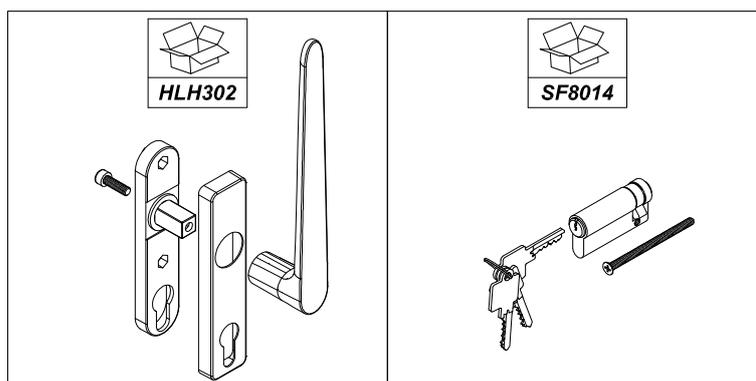
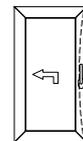
3 / 5



ASSEMBLAGGIO FERRAMENTA ANTA

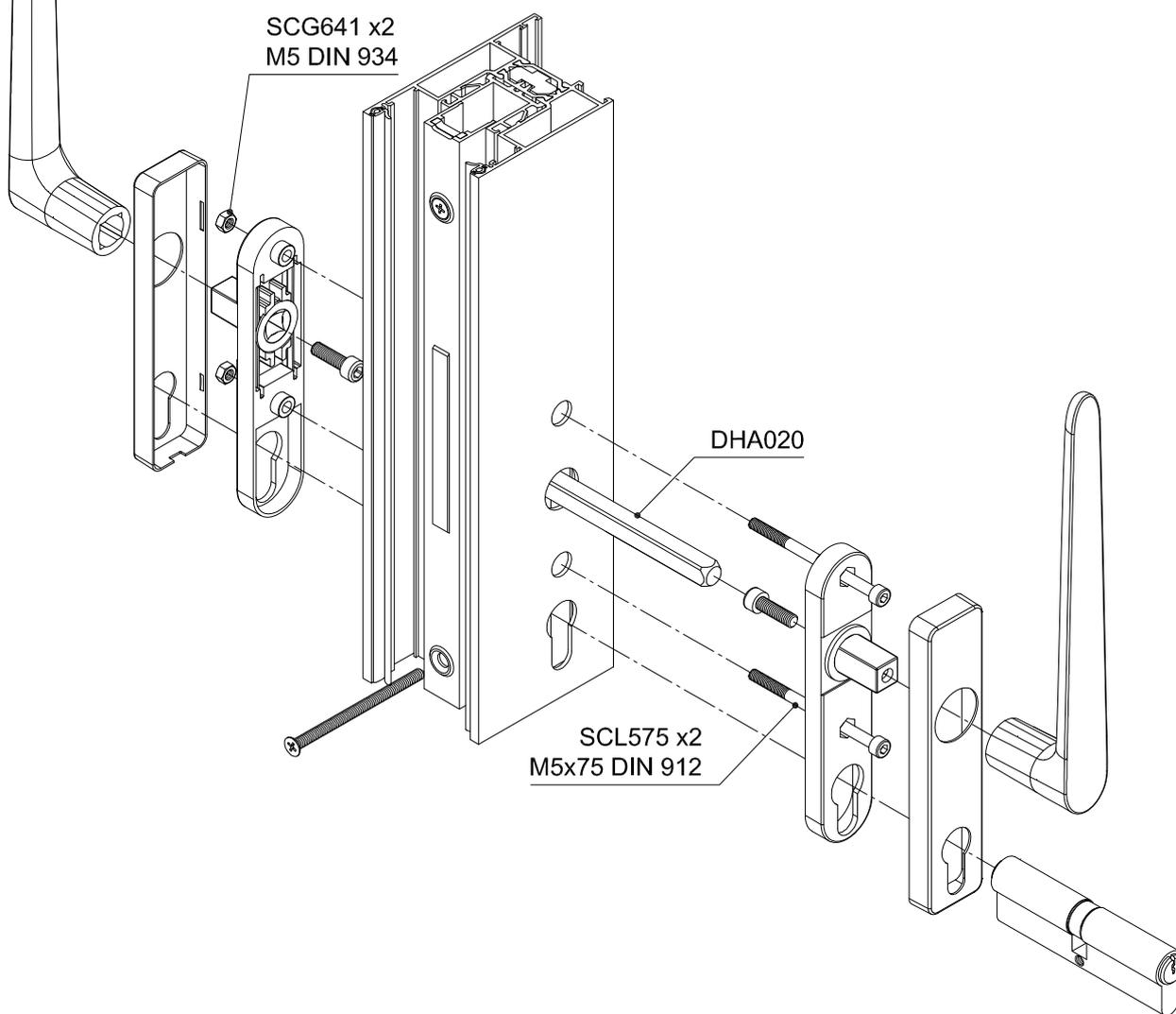
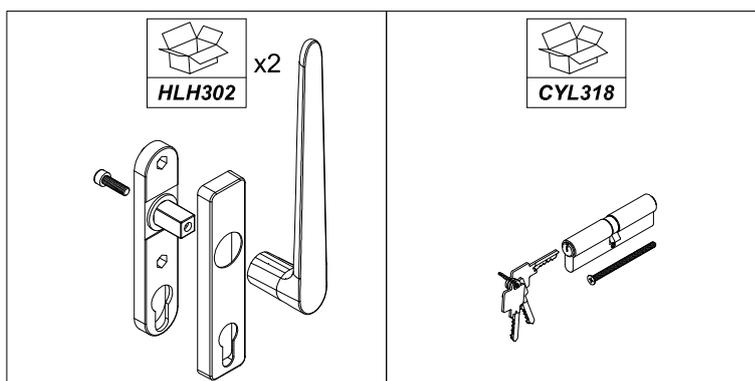
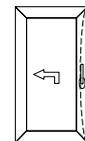
MANIGLIA INTERNA S-LINE HARMONY CON MEZZO CILINDRO E VASCHETTA ALZANTE-SCORREVOLE

4 / 5



INSTALLAZIONE MANIGLIA S-LINE HARMONY SU DUE LATI CON CILINDRO ALZANTE-SCORREVOLE

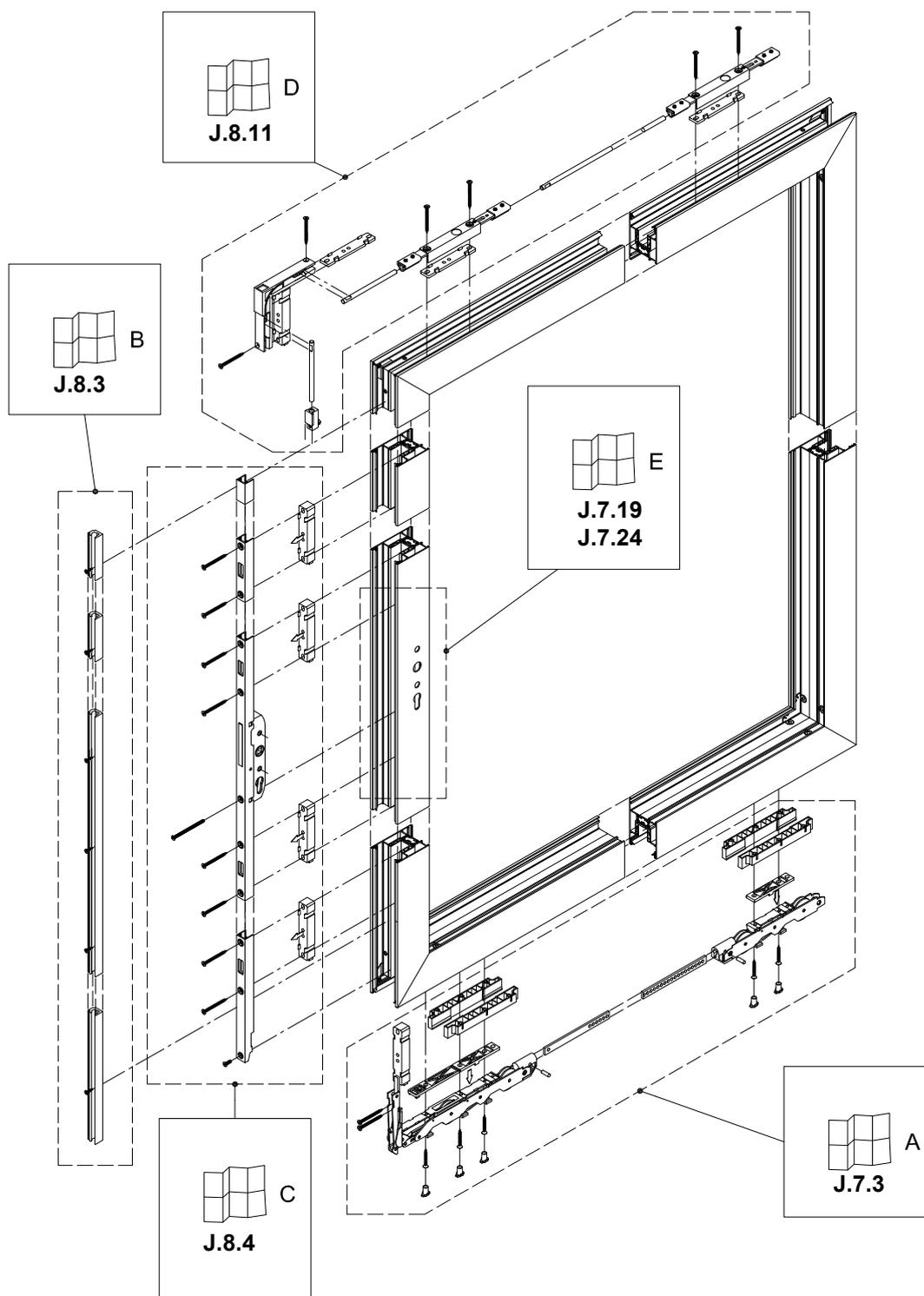
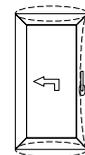
5 / 5



CONTENUTO

| | |
|---|--------|
| Assemblaggio ferramenta anta - RC2 | J.9.1 |
| Contenuto | J.9.1 |
| Ferramenta alzante-scorrevole panoramica | J.9.2 |
| Assemblaggio CO2206 | J.9.3 |
| Preparazione ZB0033/ZB0034/ZB0035/ZB0036 | J.9.4 |
| Preparazione chiusura meccanismo alzante-scorrevole | J.9.5 |
| Installazione ZB0033/ZB0034/ZB0035/ZB0036 - no maniglia esterna opzioni | J.9.6 |
| Assemblaggio ZB0053/ZB0054 - optional | J.9.7 |
| Preparazione ZB0046 | J.9.8 |
| Assemblaggio ZB0035/ZB0036 con ZB0046 | J.9.9 |
| Assemblaggio ZB0035/ZB0036/ZB0046 con ZB0048 e ZB0049/ZB0050 | J.9.10 |
| Assemblaggio ZB0048 con ZB0049/ZB0050 | J.9.11 |
| Assemblaggio ZB0035/ZB0036/ZB0046 con ZB0048 | J.9.12 |
| Installazione chiusura meccanismo alzante-scorrevole | J.9.13 |
| Installazione chiusura meccanismo alzante-scorrevole - anta passiva schema 4 ante | J.9.15 |

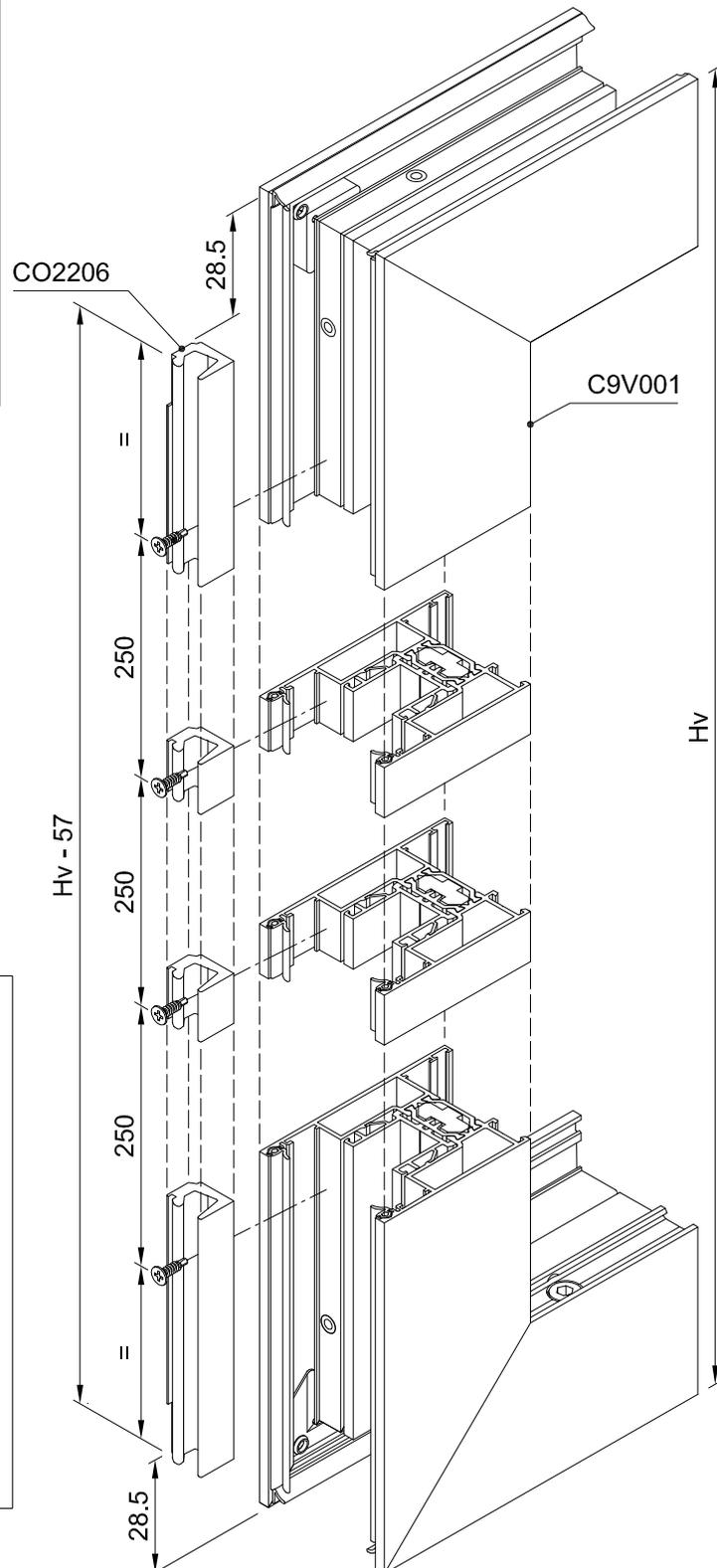
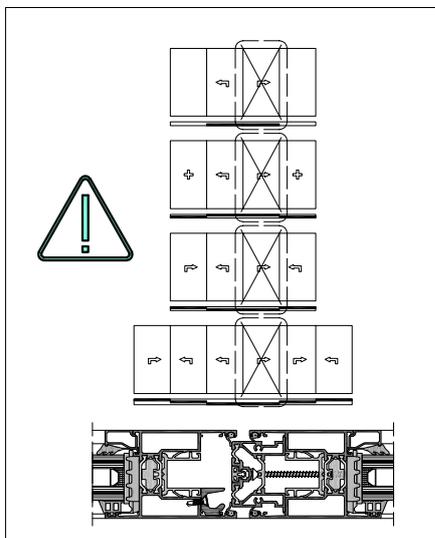
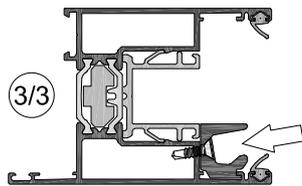
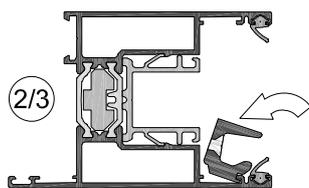
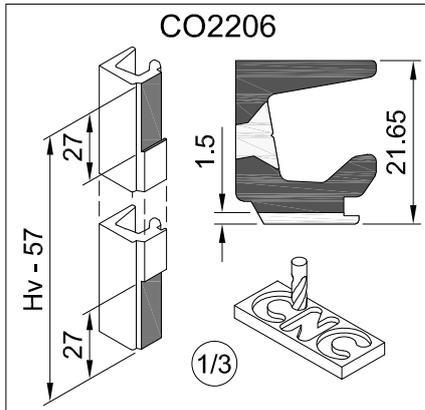
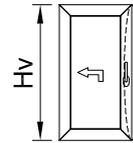
FERRAMENTA ALZANTE-SCORREVOLE PANORAMICA



ASSEMBLAGGIO FERRAMENTA ANTA - RC2

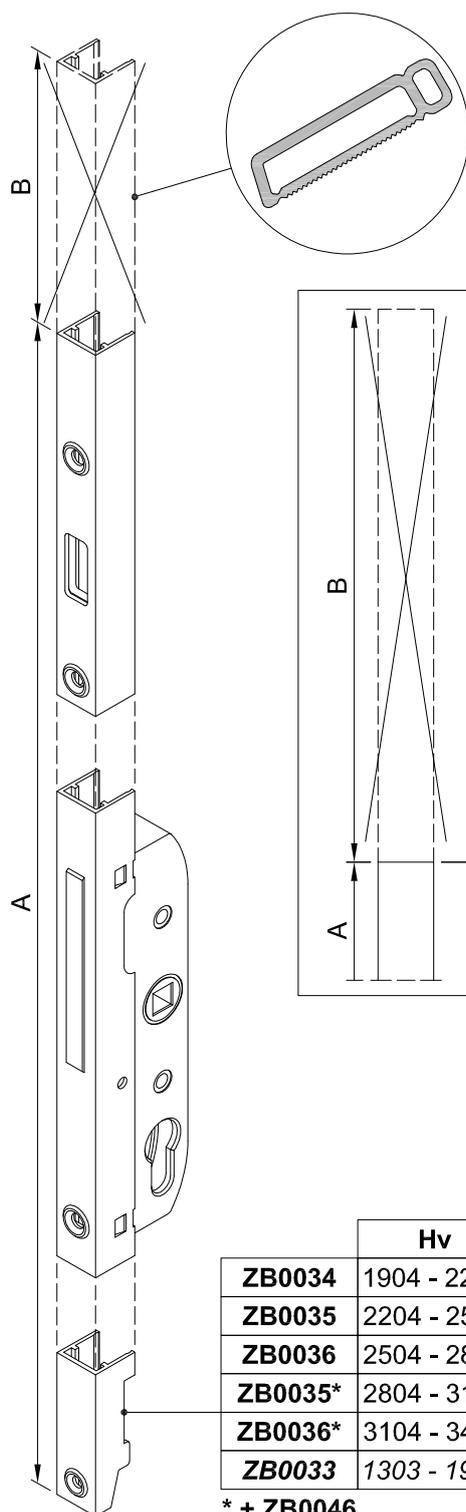
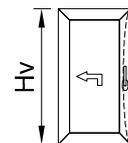
ASSEMBLAGGIO CO2206

1 / 15



PREPARAZIONE ZB0033/ZB0034/ZB0035/ZB0036

2 / 15



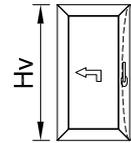
| | Hv | A | B |
|----------------|-------------|----------|-----------|
| ZB0034 | 1904 - 2203 | Hv - 208 | 2098 - Hv |
| ZB0035 | 2204 - 2503 | | 2398 - Hv |
| ZB0036 | 2504 - 2803 | | 2698 - Hv |
| ZB0035* | 2804 - 3103 | Hv - 808 | 2998 - Hv |
| ZB0036* | 3104 - 3403 | | 3298 - Hv |
| ZB0033 | 1303 - 1903 | Hv - 208 | 1798 - Hv |

* + ZB0046

ASSEMBLAGGIO FERRAMENTA ANTA - RC2

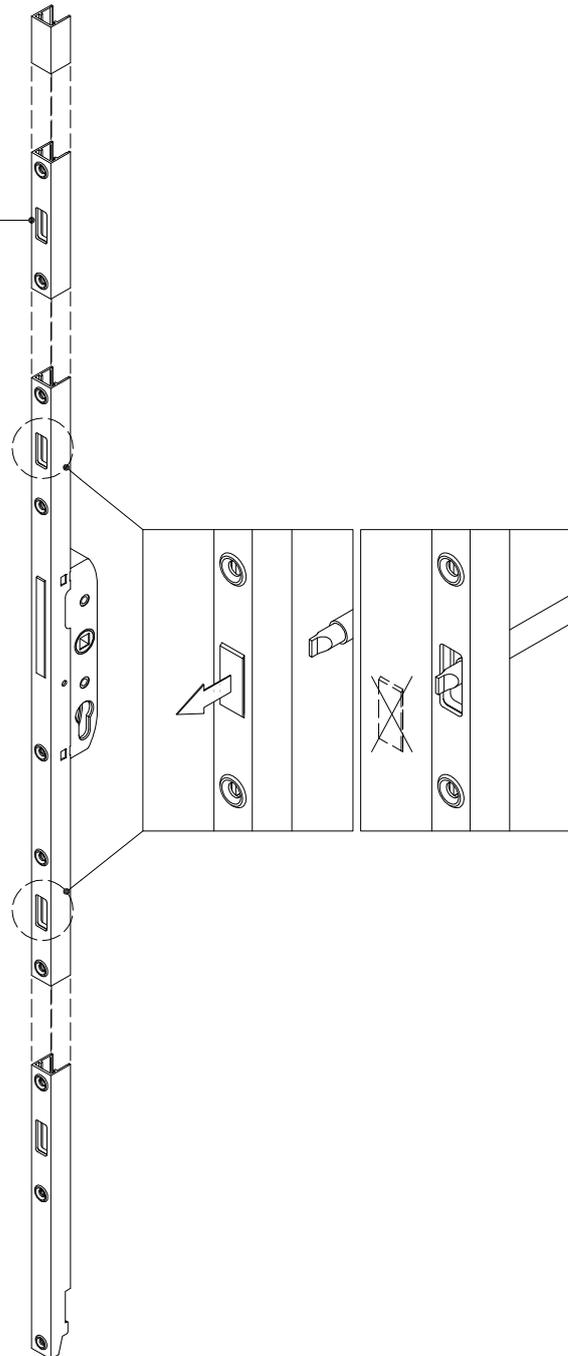
PREPARAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE

3 / 15



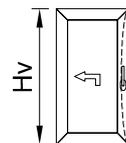
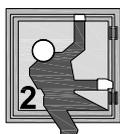
| | Hv |
|----------------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046



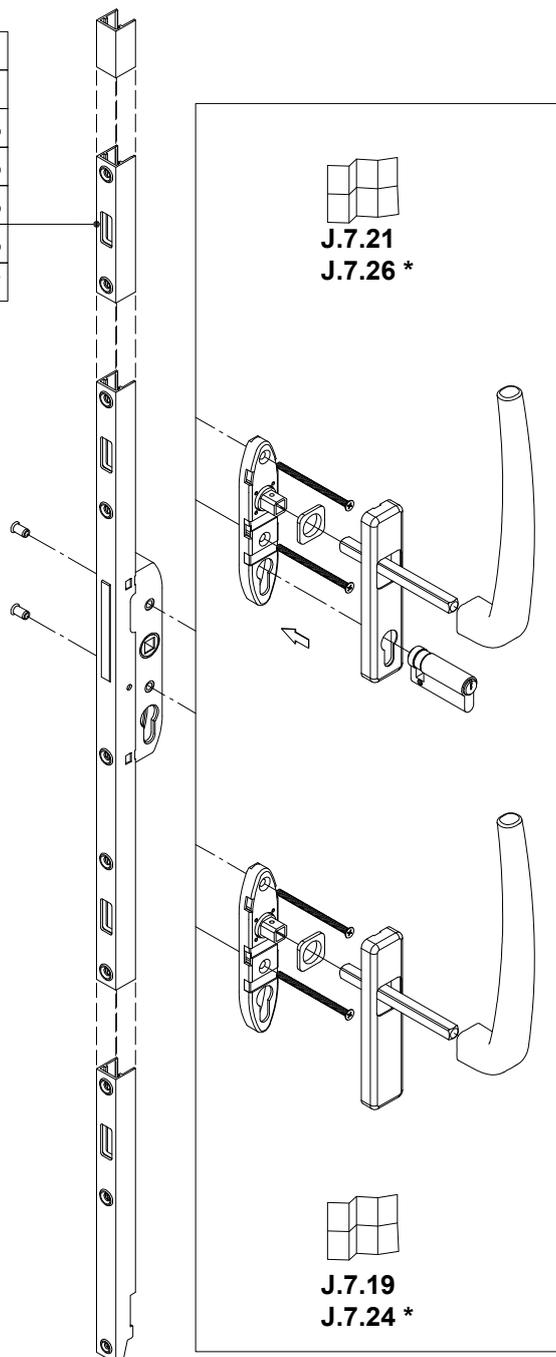
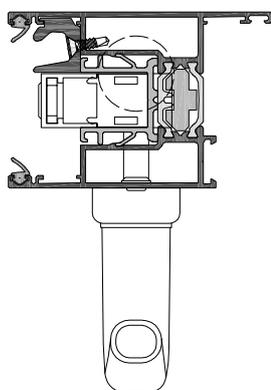
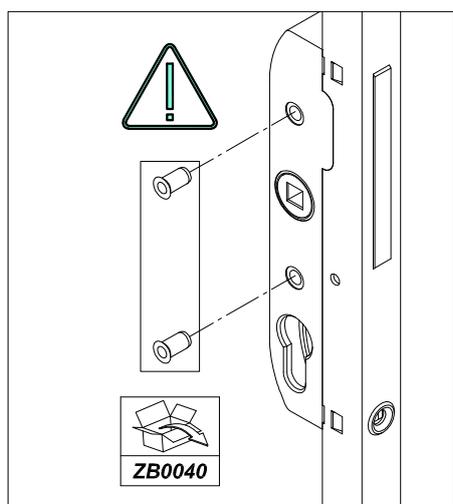
INSTALLAZIONE ZB0033/ZB0034/ZB0035/ZB0036 - OPZIONE SENZA MANIGLIA ESTERNA

4 / 15



| | Hv |
|---------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046

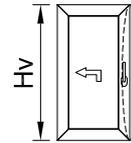


* - S-LINE

ASSEMBLAGGIO FERRAMENTA ANTA - RC2

ASSEMBLAGGIO ZB0053/ZB0054 - OPTIONAL

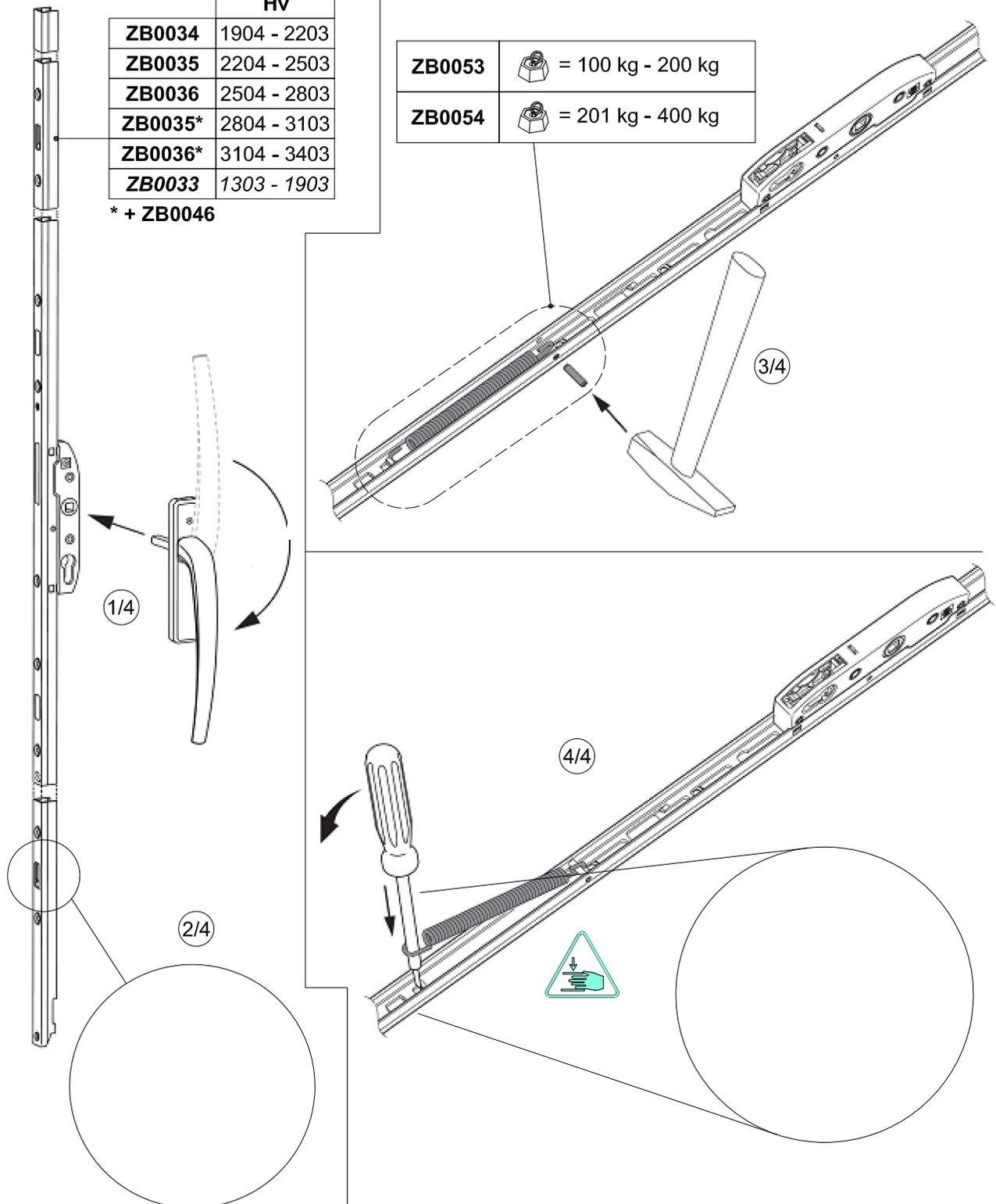
5 / 15



| | Hv |
|----------------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046

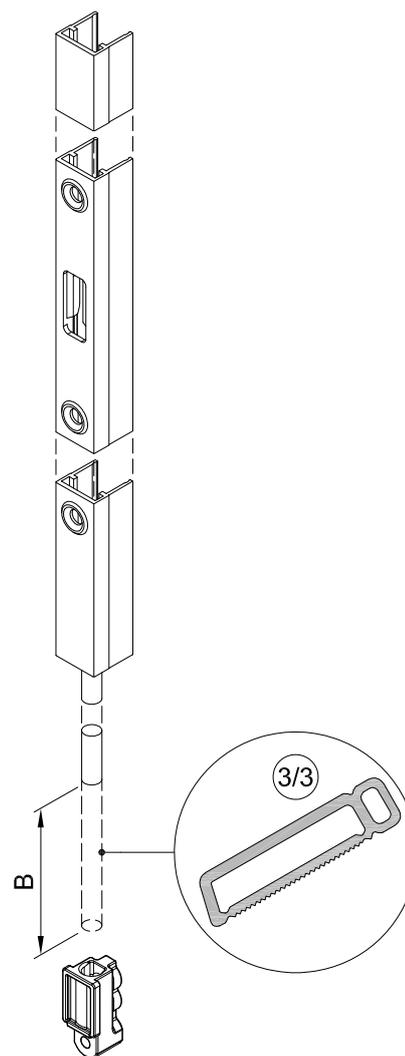
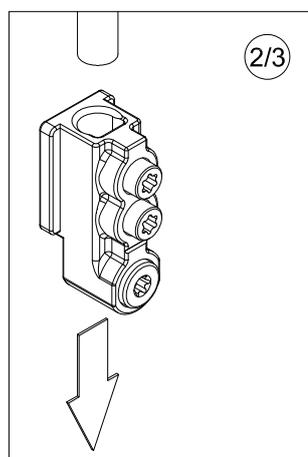
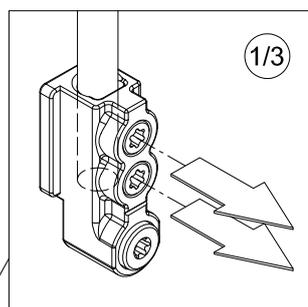
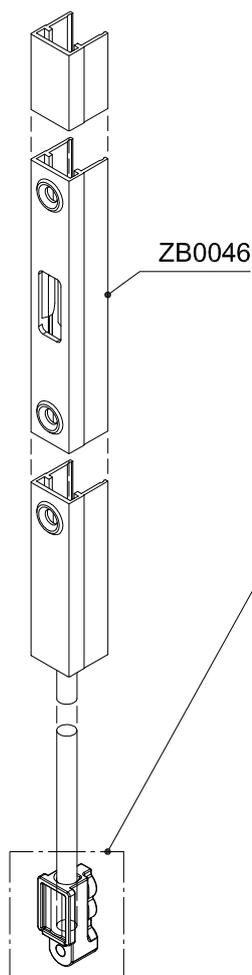
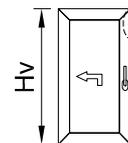
| | |
|---------------|-------------------|
| ZB0053 | = 100 kg - 200 kg |
| ZB0054 | = 201 kg - 400 kg |



C160-ASS-2157L

PREPARAZIONE ZB0046

6 / 15



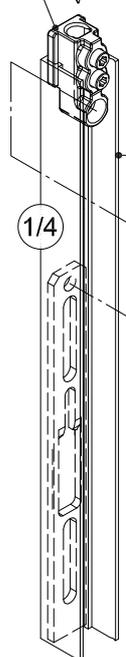
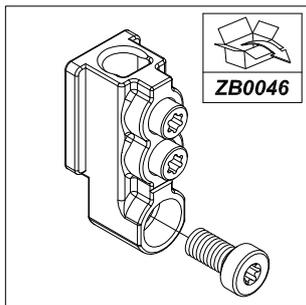
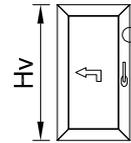
| | Hv | B |
|---------|-------------|-----------|
| ZB0035* | 2804 - 3103 | 3077 - Hv |
| ZB0036* | 3104 - 3403 | 3377 - Hv |

* + ZB0046

ASSEMBLAGGIO FERRAMENTA ANTA - RC2

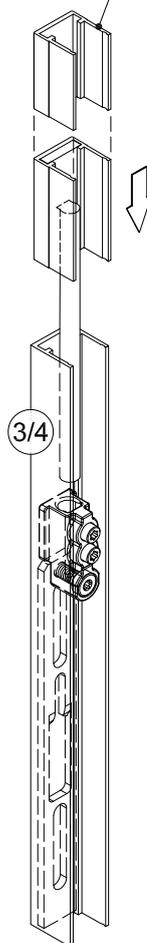
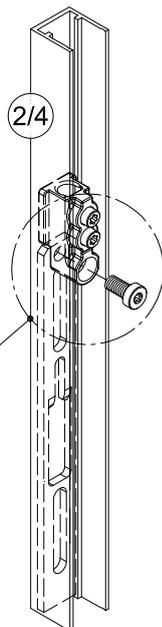
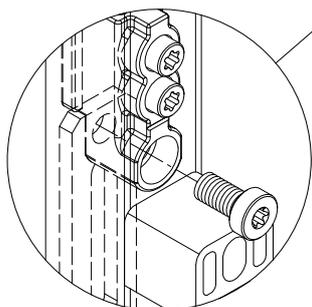
ASSEMBLAGGIO ZB0035/ZB0036 CON ZB0046

7 / 15

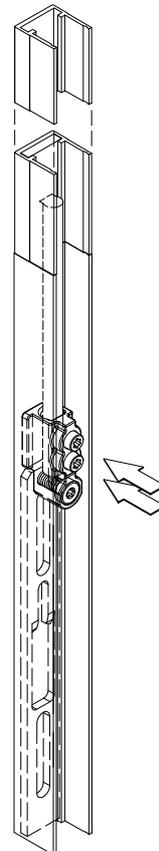


| | Hv |
|---------|-------------|
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |

* + ZB0046



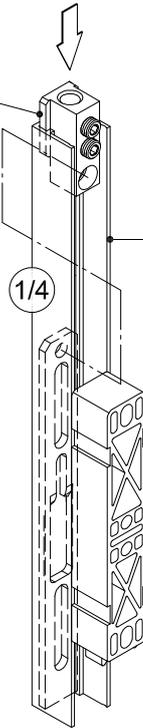
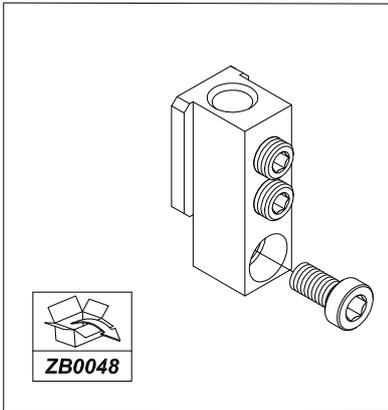
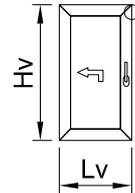
4/4



ASSEMBLAGGIO FERRAMENTA ANTA - RC2

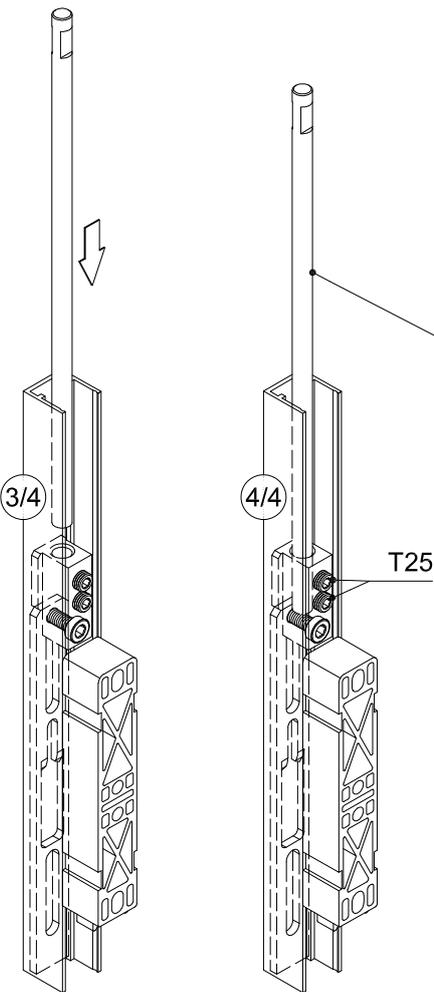
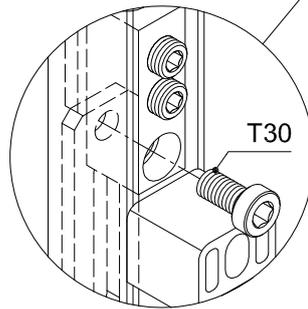
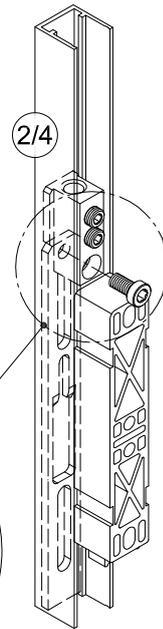
ASSEMBLAGGIO ZB0035/ZB0036/ZB0046 CON ZB0048 E ZB0049/ZB0050

8 / 15



| | Hv |
|---------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |
| ZB0033 | 1303 - 1903 |

* + ZB0046



| | Hv | C |
|---------|-------------|-----------|
| ZB0034 | 1904 - 2203 | Hv - 1803 |
| ZB0035 | 2204 - 2503 | Hv - 2103 |
| ZB0036 | 2504 - 2803 | Hv - 2403 |
| ZB0035* | 2804 - 3103 | 215 ?? |
| ZB0036* | 3104 - 3403 | |
| ZB0033 | 1303 - 1903 | Hv - 1503 |

* + ZB0046

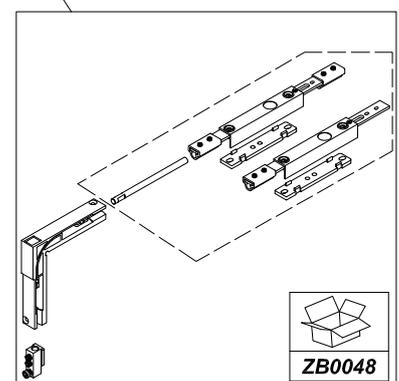
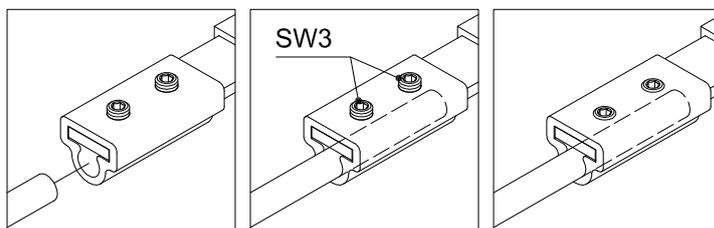
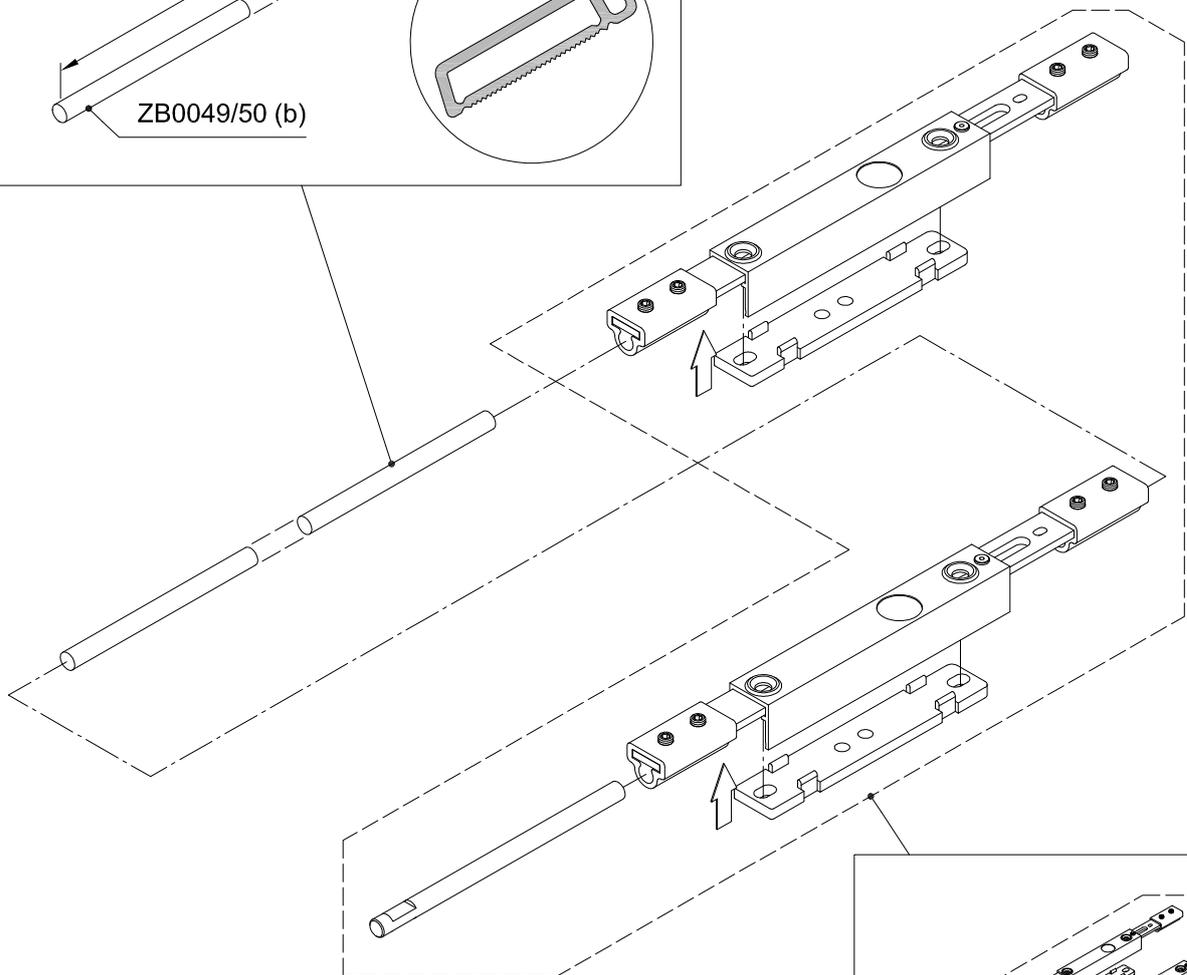
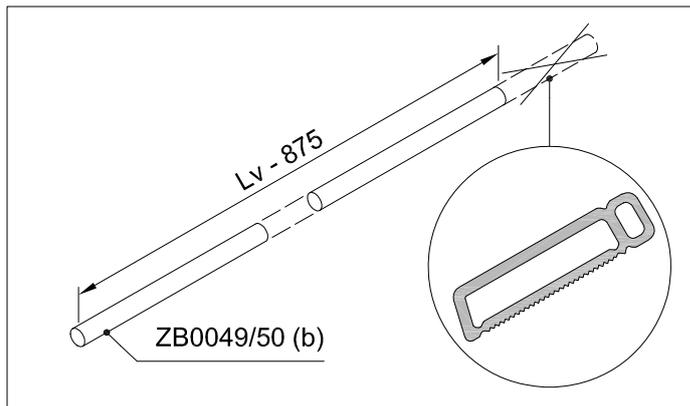
| | |
|---------------------|------------|
| $Hv + Lv \leq 5258$ | ZB0049 (a) |
| $Hv + Lv > 5258$ | ZB0050 (a) |

ZB0049/ZB0050 (b)

ASSEMBLAGGIO FERRAMENTA ANTA - RC2

ASSEMBLAGGIO ZB0048 CON ZB0049/ZB0050

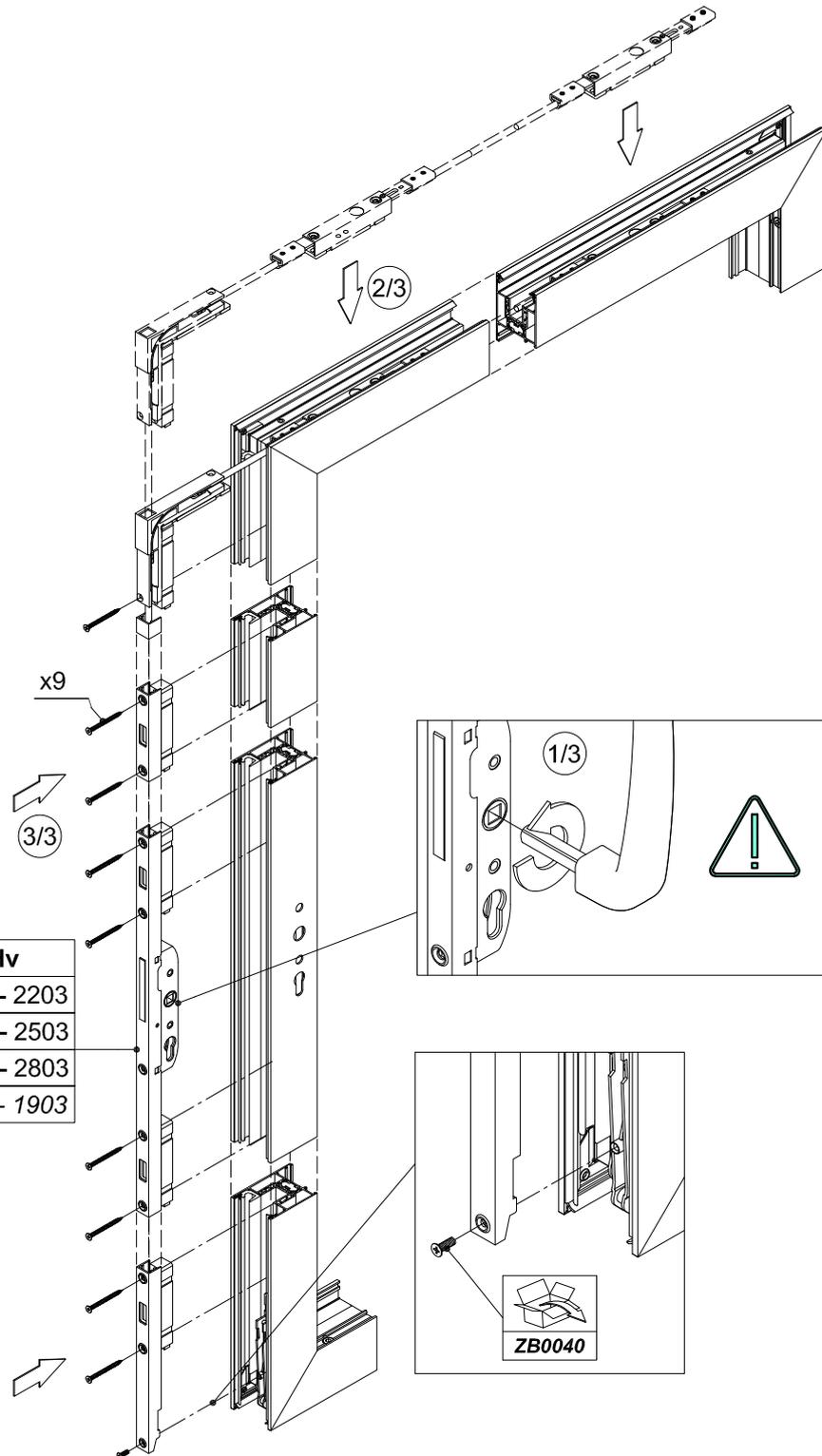
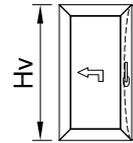
9 / 15



ASSEMBLAGGIO FERRAMENTA ANTA - RC2

INSTALLAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE

11 / 15

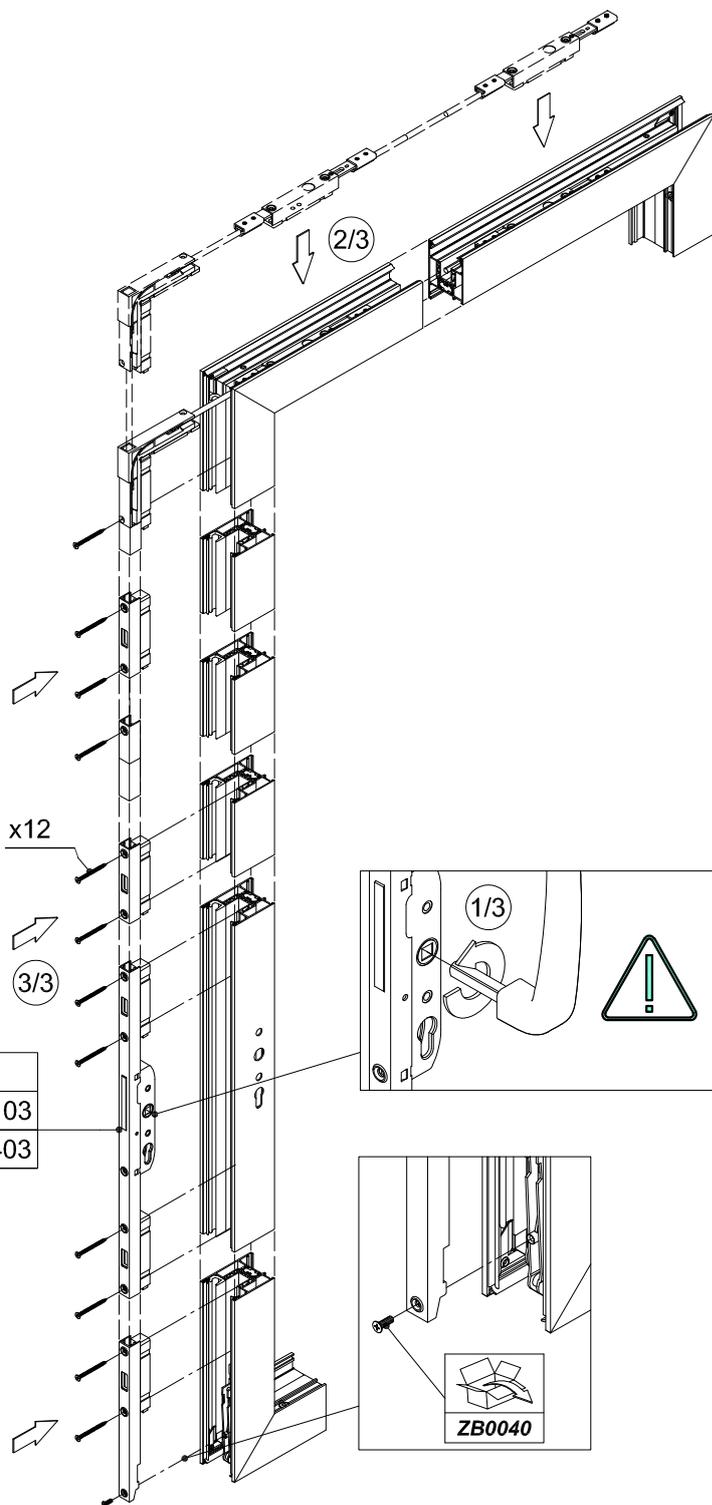
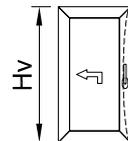


| | Hv |
|--------|-------------|
| ZB0034 | 1904 - 2203 |
| ZB0035 | 2204 - 2503 |
| ZB0036 | 2504 - 2803 |
| ZB0033 | 1303 - 1903 |

* + ZB0046

INSTALLAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE

12 / 15



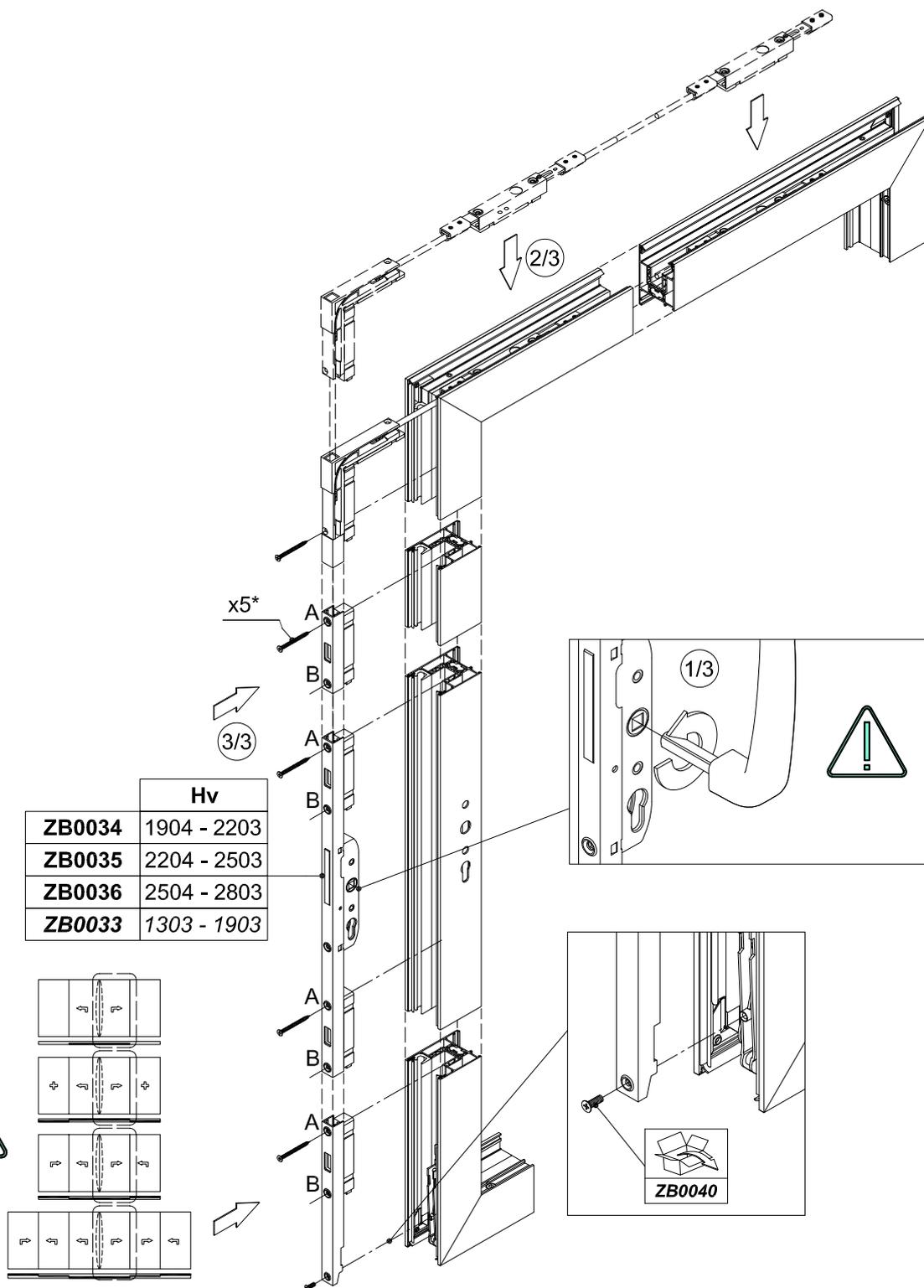
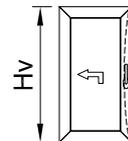
| | Hv |
|---------|-------------|
| ZB0035* | 2804 - 3103 |
| ZB0036* | 3104 - 3403 |

* + ZB0046

ASSEMBLAGGIO FERRAMENTA ANTA - RC2

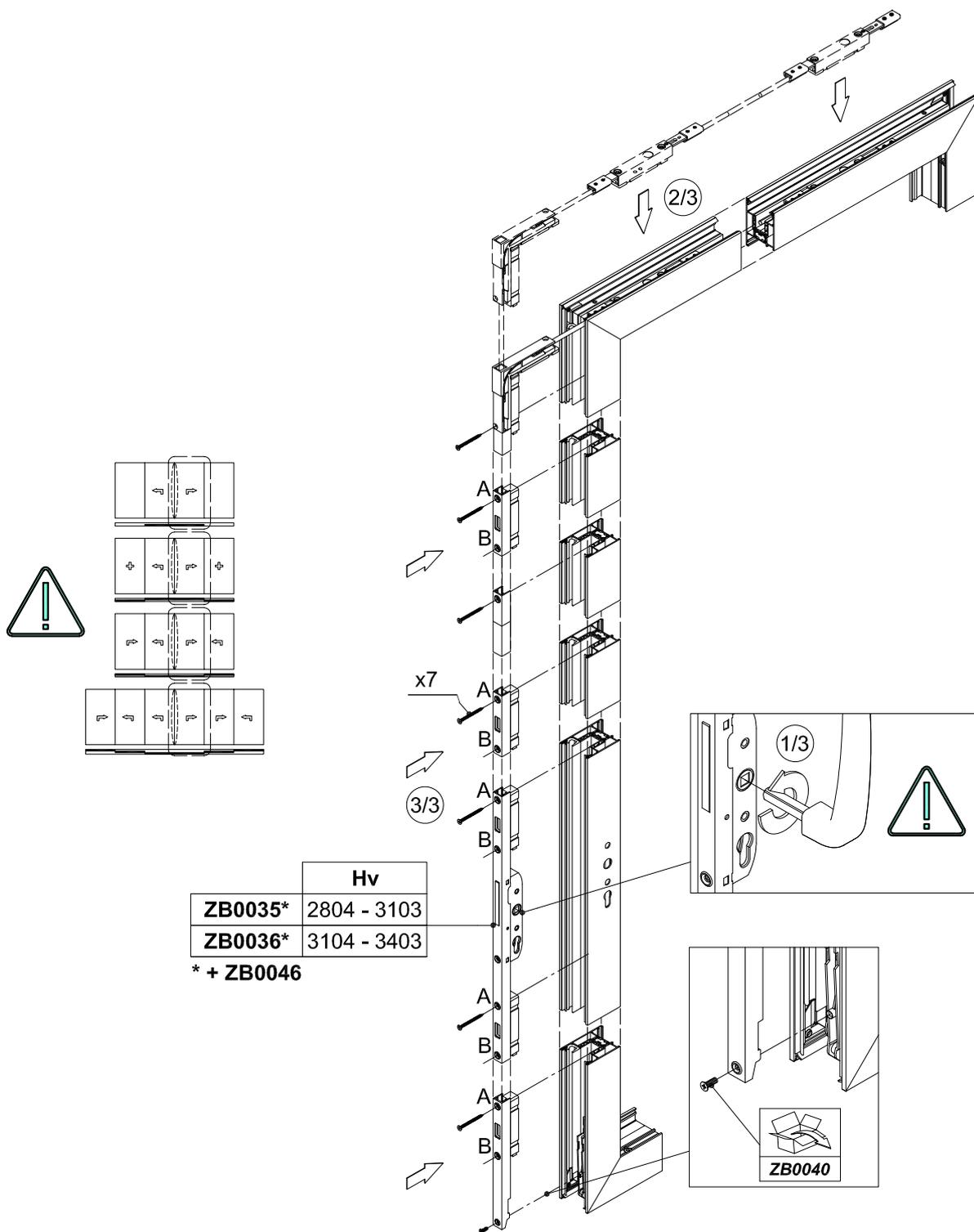
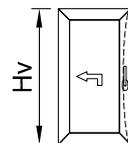
INSTALLAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE - ANTA PASSIVA SCHEMA 4 ANTE

13 / 15



INSTALLAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE - ANTA PASSIVA SCHEMA 4 ANTE

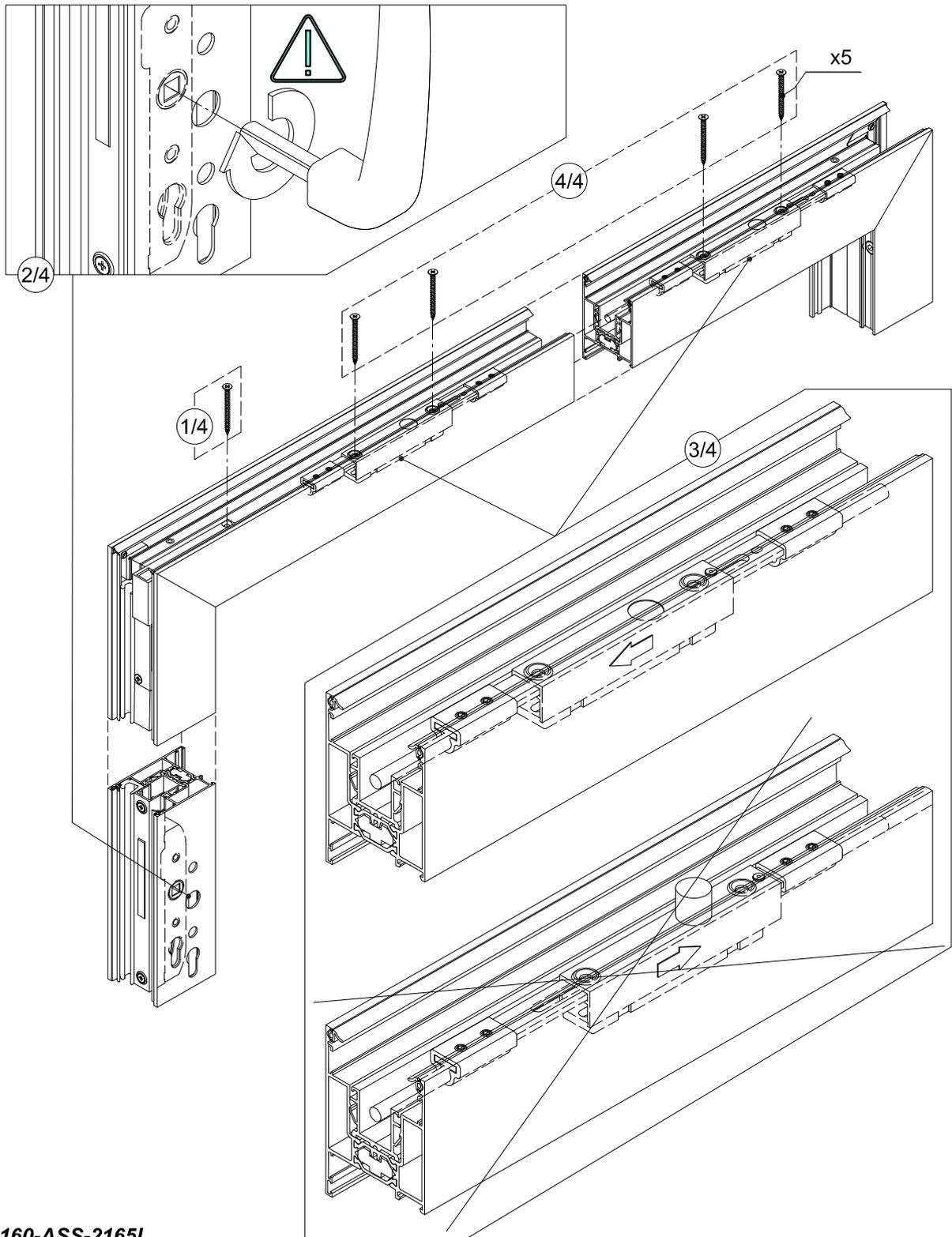
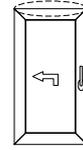
14 / 15



ASSEMBLAGGIO FERRAMENTA ANTA - RC2

INSTALLAZIONE CHIUSURA MECCANISMO ALZANTE-SCORREVOLE

15 / 15



 C160-ASS-2165L

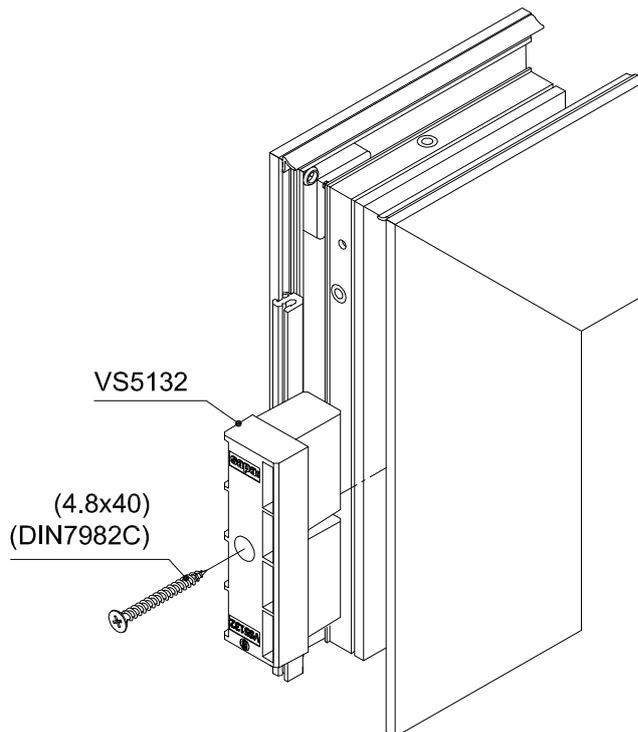
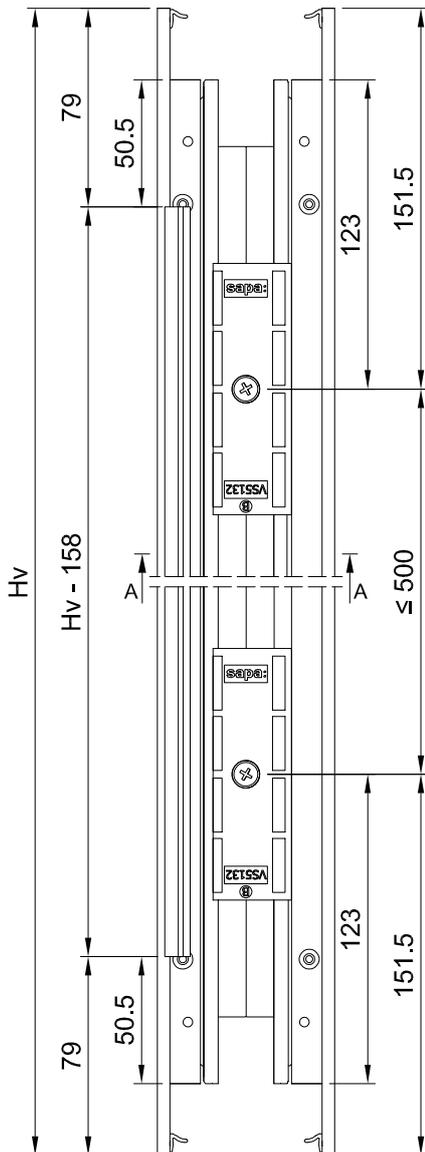
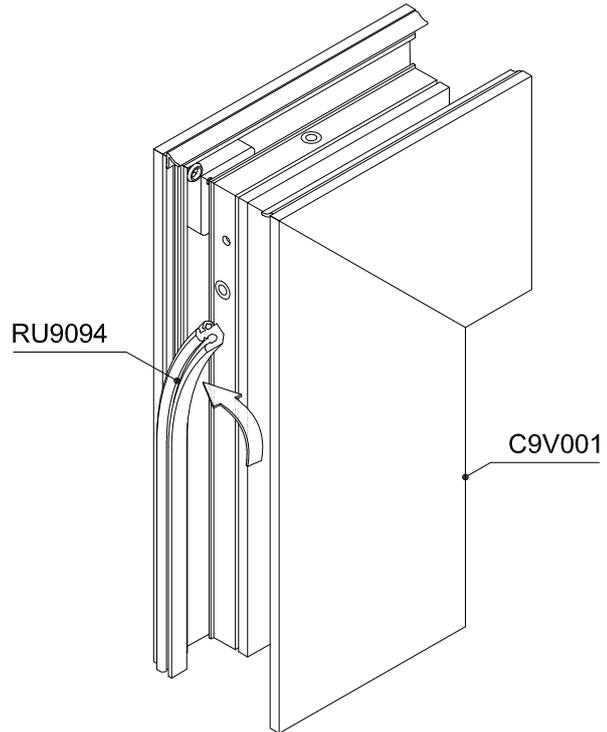
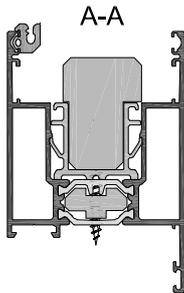
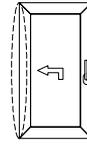
CONTENUTO

| | |
|--|--------|
| Rinforzo anta - optional..... | J.10.1 |
| Contenuto..... | J.10.1 |
| Installazione blocco supporto VS5132 e RU9094..... | J.10.2 |
| Installazione C9C001..... | J.10.3 |
| Lato ferramenta alzante-scorrevole - Installazione RU9094..... | J.10.4 |
| Lato ferramenta alzante-scorrevole - preparazione C9C001..... | J.10.5 |
| Lato ferramenta alzante-scorrevole - Installazione C9C001..... | J.10.6 |

INSTALLAZIONE BLOCCO SUPPORTO VS5132 E RU9094

1 / 2

| |
|-------|
| -SHI- |
| -SI- |
| I |
| |



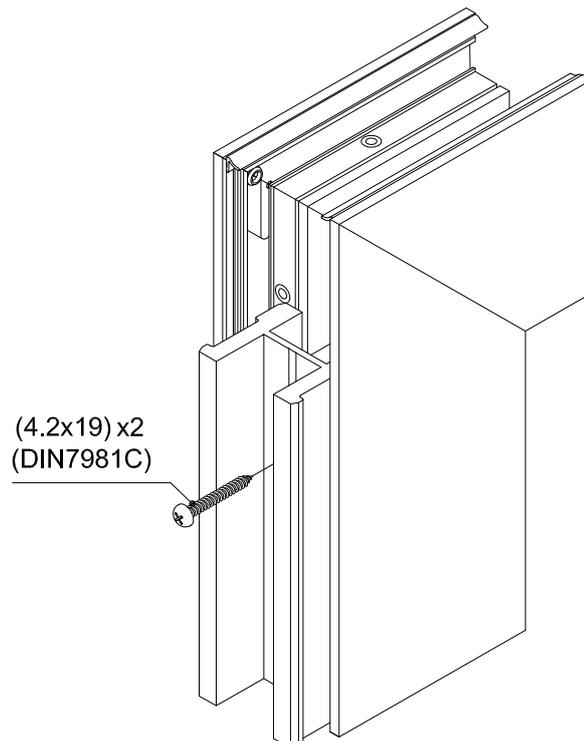
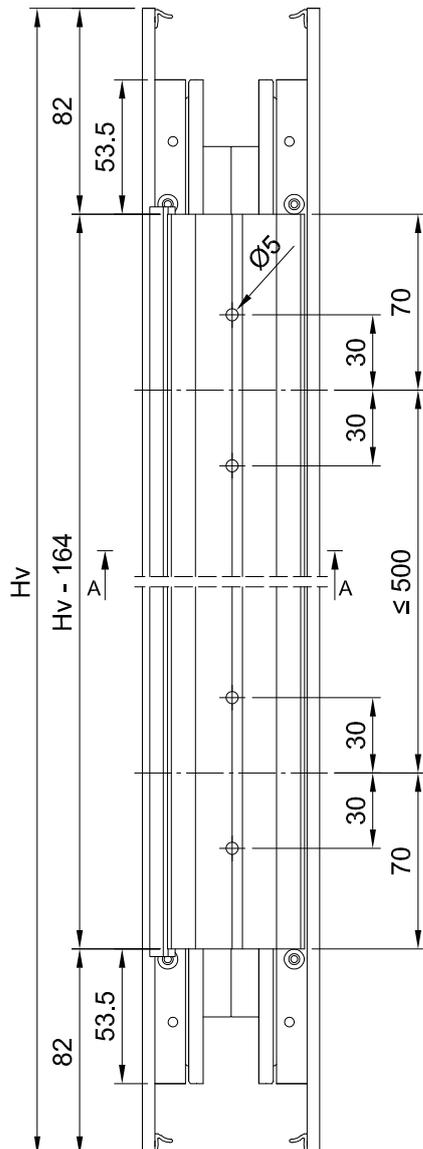
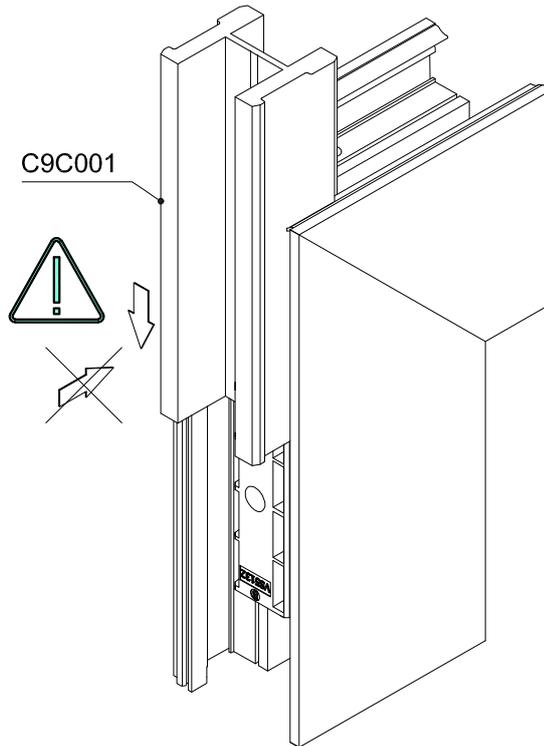
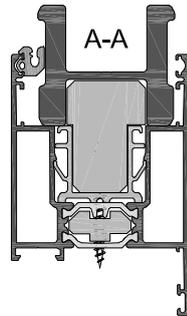
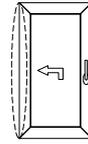
 **C160-ASS-2175L**

RINFORZO ANTA - OPTIONAL

INSTALLAZIONE C9C001

2 / 2

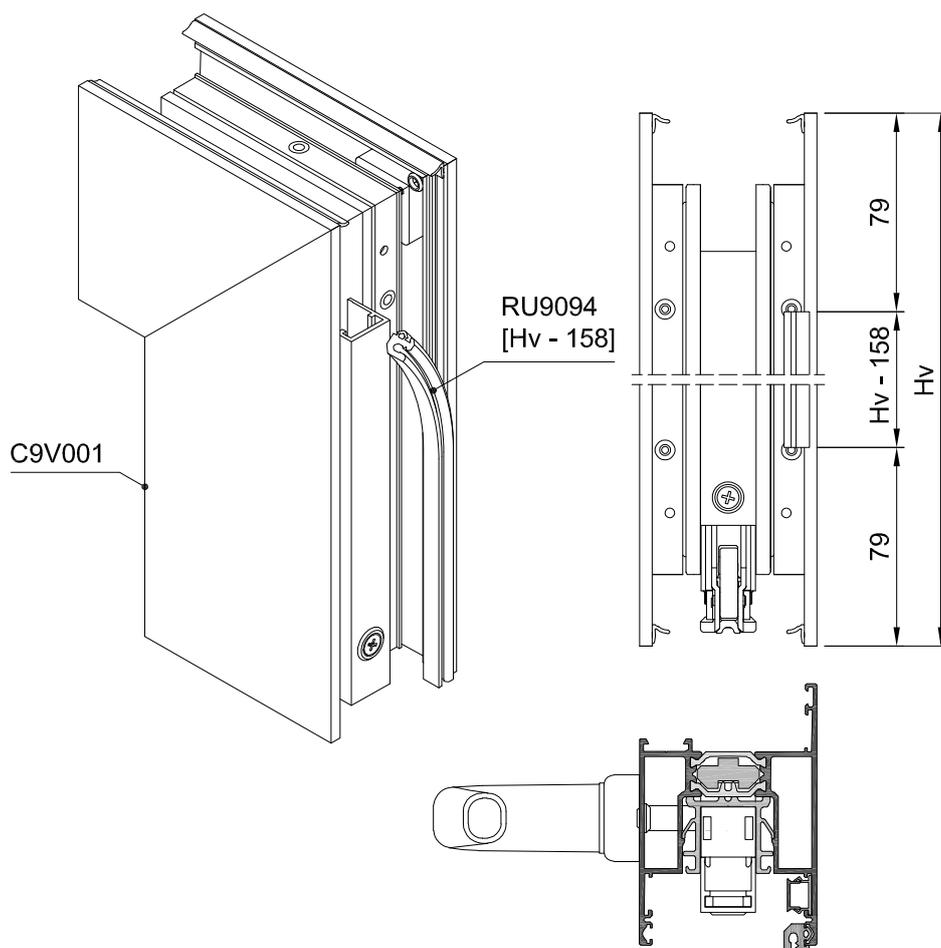
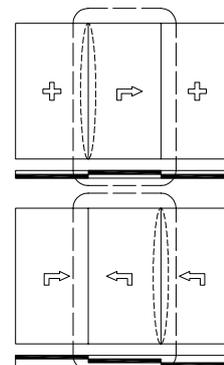
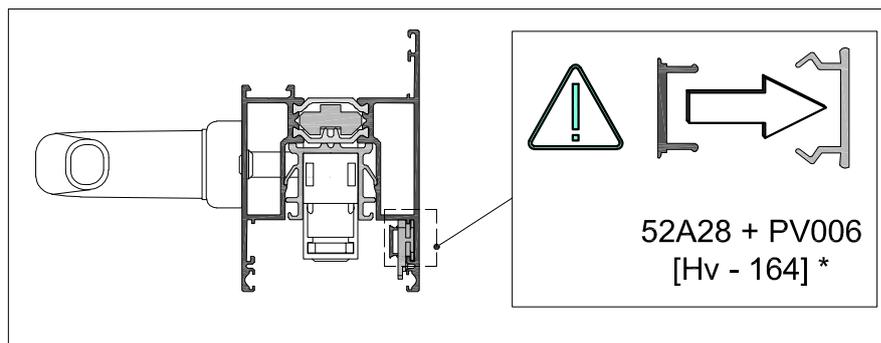
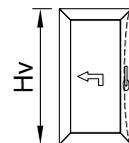
| |
|------|
| -SH- |
| -SI- |
| I |
| |



LATO FERRAMENTA ALZANTE-SCORREVOLE - INSTALLAZIONE RU9094

1 / 3

| |
|------|
| -SHI |
| -SI |
| I |
| |

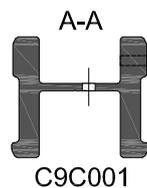
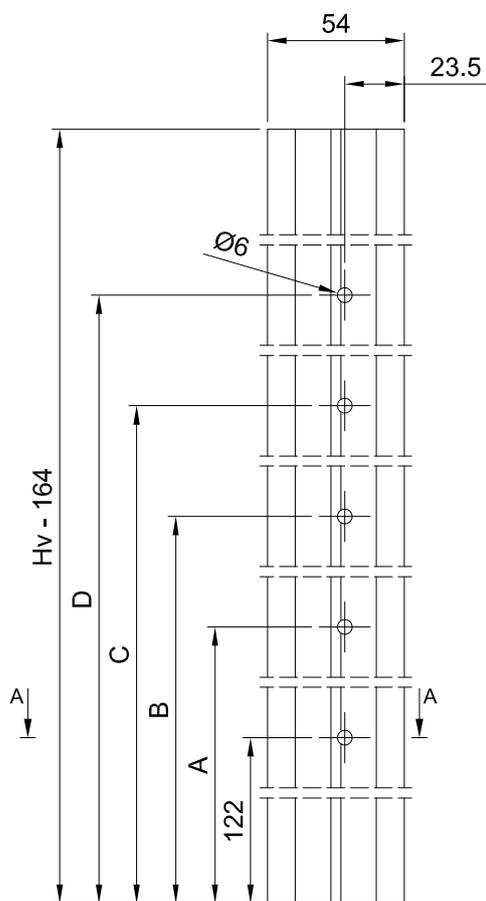
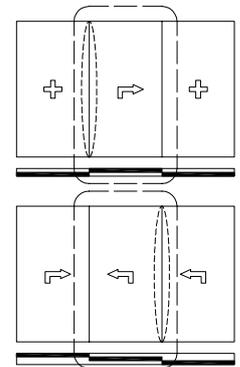
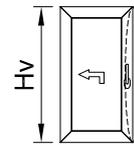


RINFORZO ANTA - OPTIONAL

LATO FERRAMENTA ALZANTE-SCORREVOLE - PREPARAZIONE C9C001

2 / 3

| |
|------|
| -SH- |
| -SI- |
| I |
| |



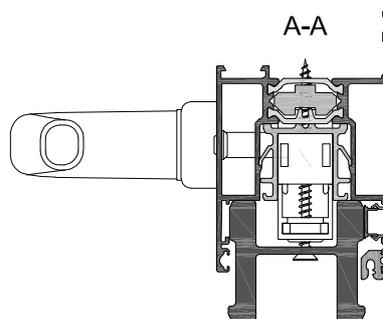
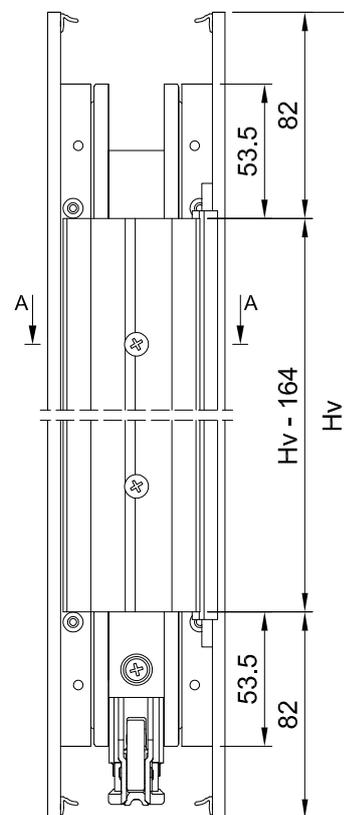
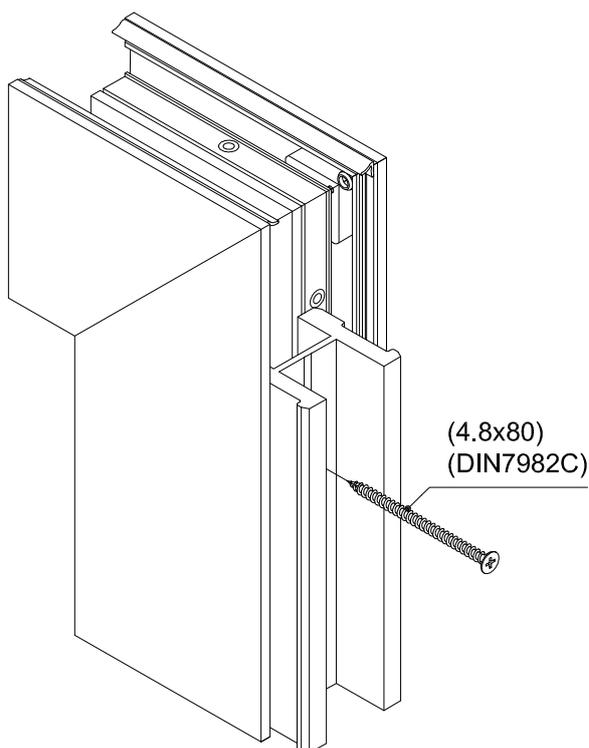
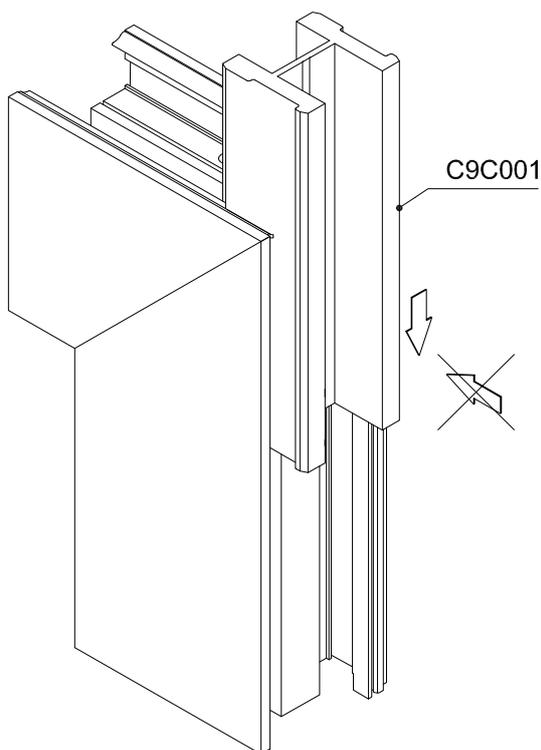
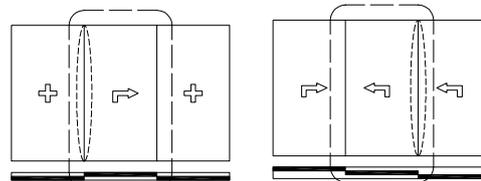
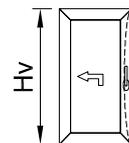
| | Hv | A | B | C | D |
|----------------|-------------|-----|------|------|---|
| ZB0034 | 1904 - 2203 | 622 | 1072 | 1472 | / |
| ZB0035 | 2204 - 2503 | | | 1772 | |
| ZB0036 | 2504 - 2803 | | | 2072 | |
| ZB0035* | 2804 - 3103 | | | 1772 | |
| ZB0036* | 3104 - 3403 | | | 2072 | |
| ZB0033 | 1303 - 1903 | / | 472 | 872 | / |

* + ZB0046

LATO FERRAMENTA ALZANTE-SCORREVOLE - INSTALLAZIONE C9C001

3 / 3

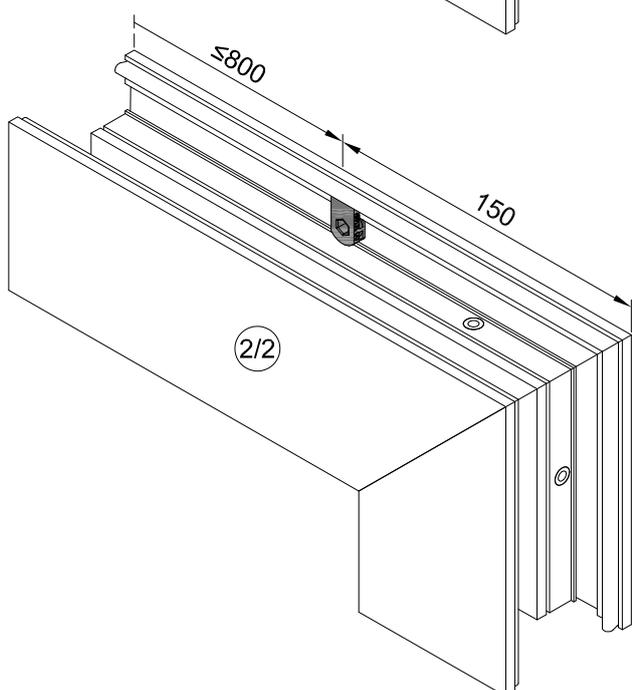
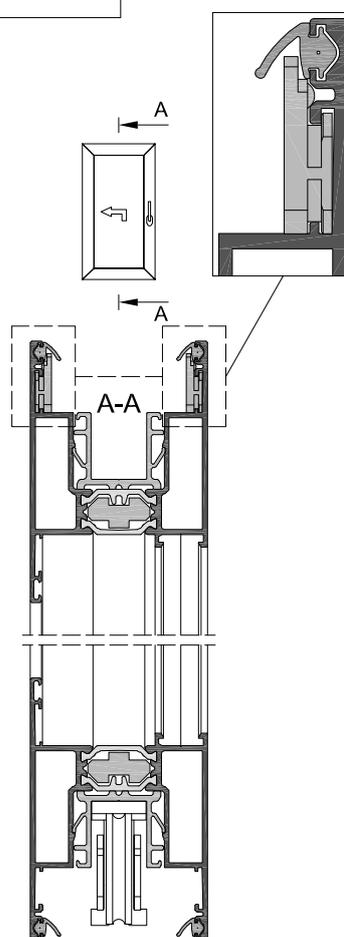
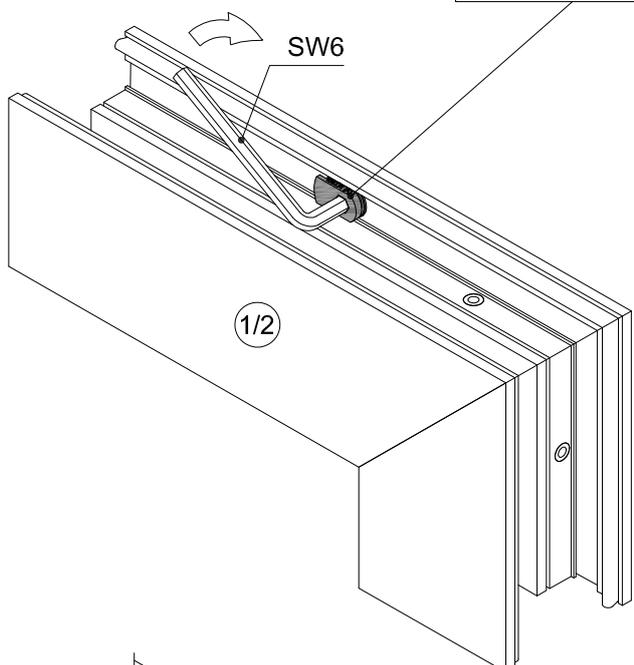
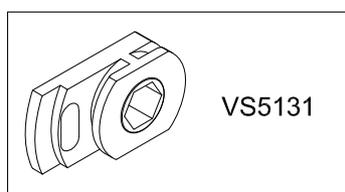
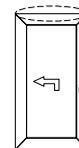
| |
|-------|
| -SHI- |
| -SI- |
| I |
| |



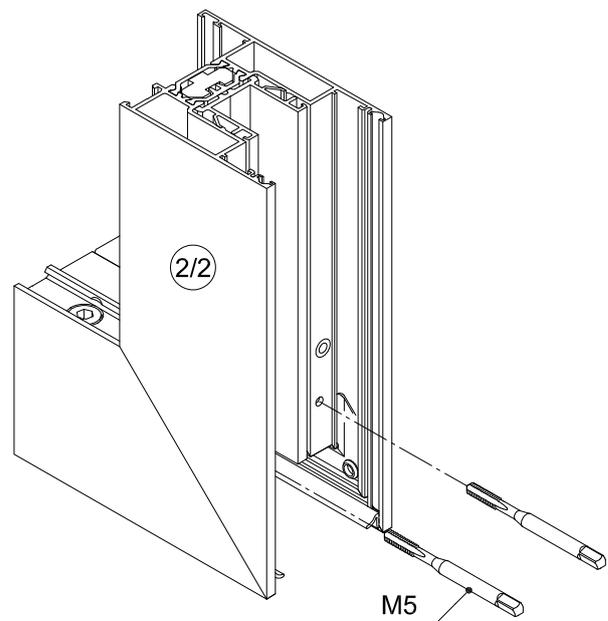
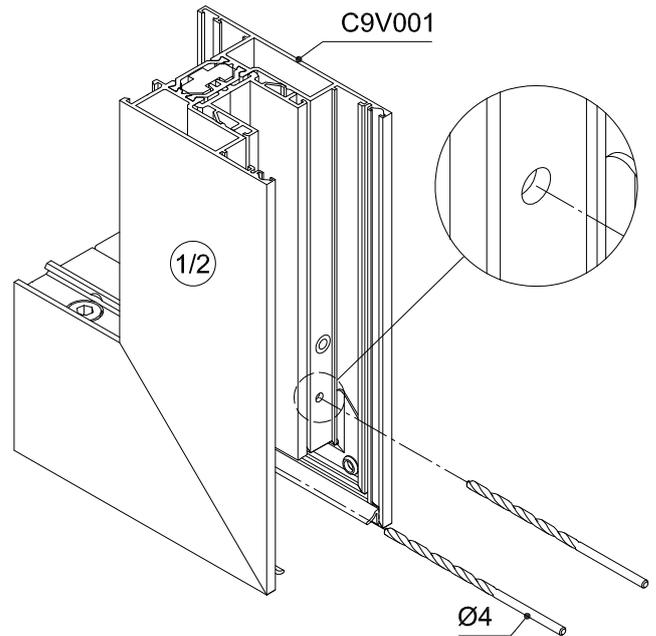
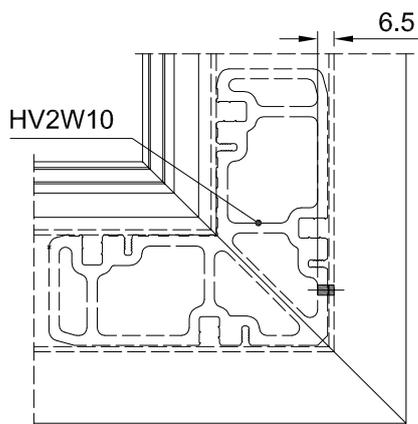
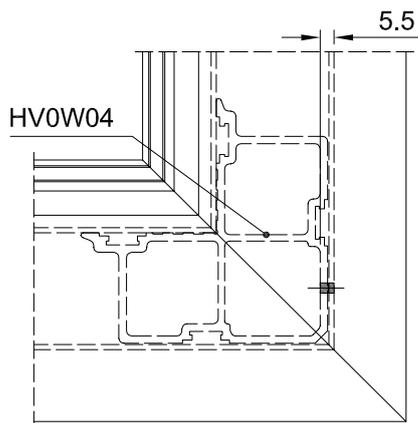
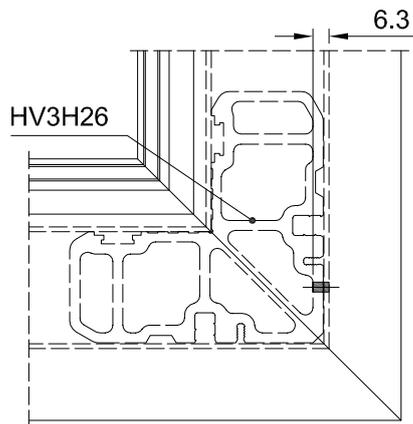
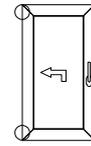
CONTENUTO

| | |
|--|---------|
| Assembly accessories vent | J.11.1 |
| Contenuto | J.11.1 |
| Assemblaggio distanziale VS5131 | J.11.2 |
| Lavorazione profilato anta inserimento tappo terminali | J.11.3 |
| | |
| Anta standard - installazione VS9149 e RU9094 | J.11.4 |
| Anta standard - preparazione labirinto | J.11.5 |
| Anta standard - assemblaggio labirinto | J.11.6 |
| Anta standard - installazione BT6013 e C9A001/C9A002 | J.11.7 |
| | |
| 3-binari alzante-scorrevole lato ferramenta - assemblaggio VS9149 e RU9094 .. | J.11.8 |
| 3-binari alzante-scorrevole lato ferramenta - preparazione labirinto | J.11.9 |
| 3-binari alzante-scorrevole lato ferramenta - assemblaggio labirinto | J.11.10 |
| 3-binari alzante-scorrevole lato ferramenta - assemblaggio C9A001/C9A002 ... | J.11.11 |
| | |
| Fisso-alzante-scorrevole-fissoi lato ferramenta - VS9211 e RU9094 | J.11.12 |
| Fisso-alzante-scorrevole-fissoi lato ferramenta - labirinto | J.11.13 |
| Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio labirinto | J.11.14 |
| Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio C9A007 | J.11.15 |
| Fisso-alzante-scorrevole-fissoi lato ferramenta - assemblaggio RU9009 | J.11.16 |
| Fisso-alzante-scorrevole-fissoi lato ferramenta | J.11.17 |
| | |
| Anta passiva schema 4 ante - preparazione RU0099 | J.11.22 |
| Anta passiva schema 4 ante - preparazione C9C002 | J.11.23 |
| Anta passiva schema 4 ante - installazione tappo sigillatura inferiore | J.11.26 |
| Anta passiva schema 4 ante - Installazione punti di chiusura | J.11.27 |
| Anta passiva schema 4 ante - installazione tappo sigillatura superiore | J.11.28 |

ASSEMBLAGGIO DISTANZIALE VS5131



LAVORAZIONE PROFILATO ANTA INSERIMENTO TAPPO TERMINALI

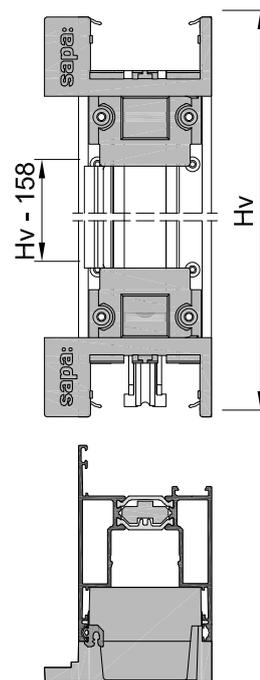
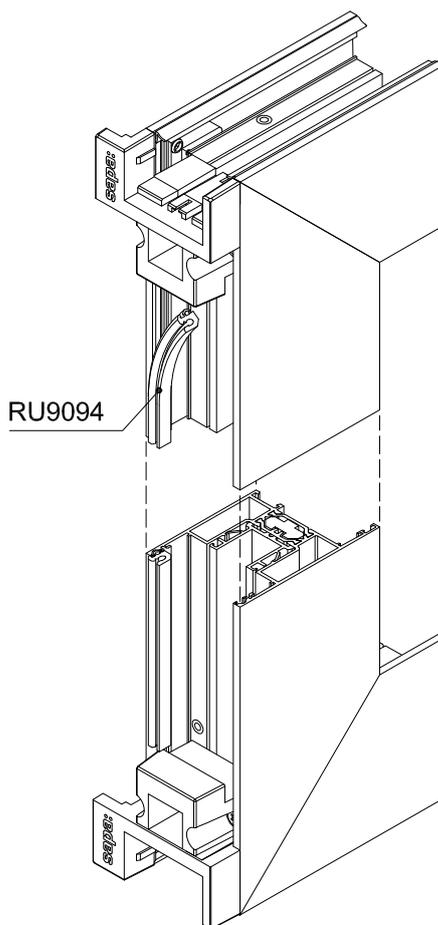
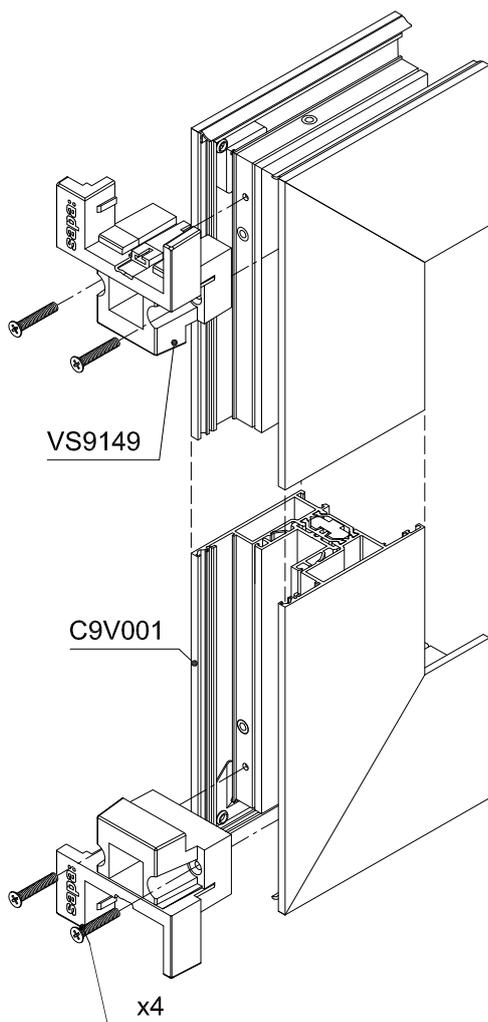
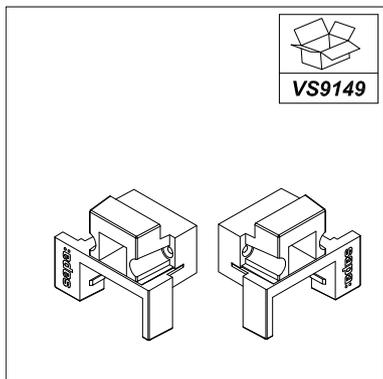
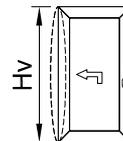


ANTA STANDARD - INSTALLAZIONE VS9149 E RU9094

1 / 4



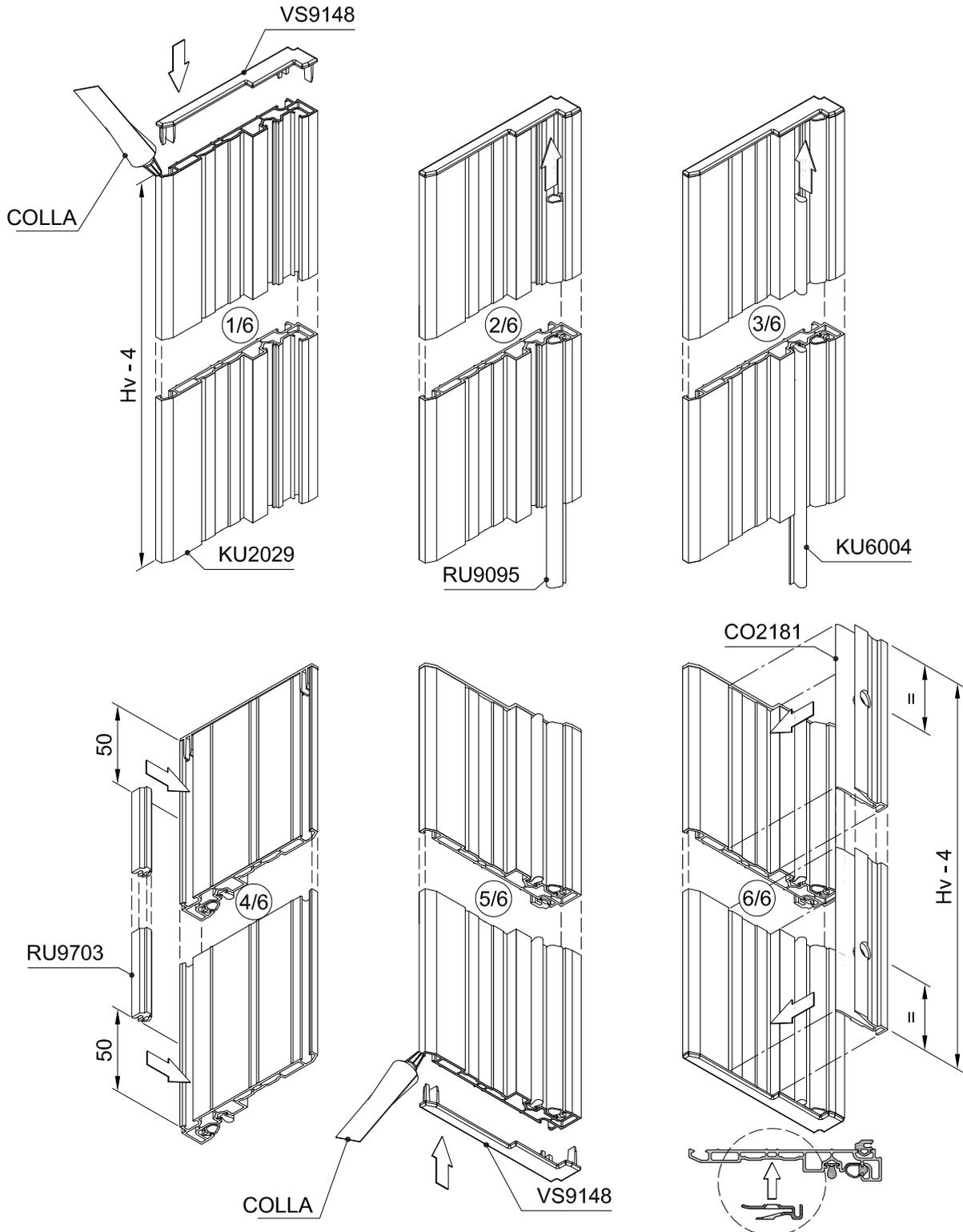
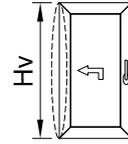
J.10.3



ASSEMBLAGGIO ACCESSORI ANTA

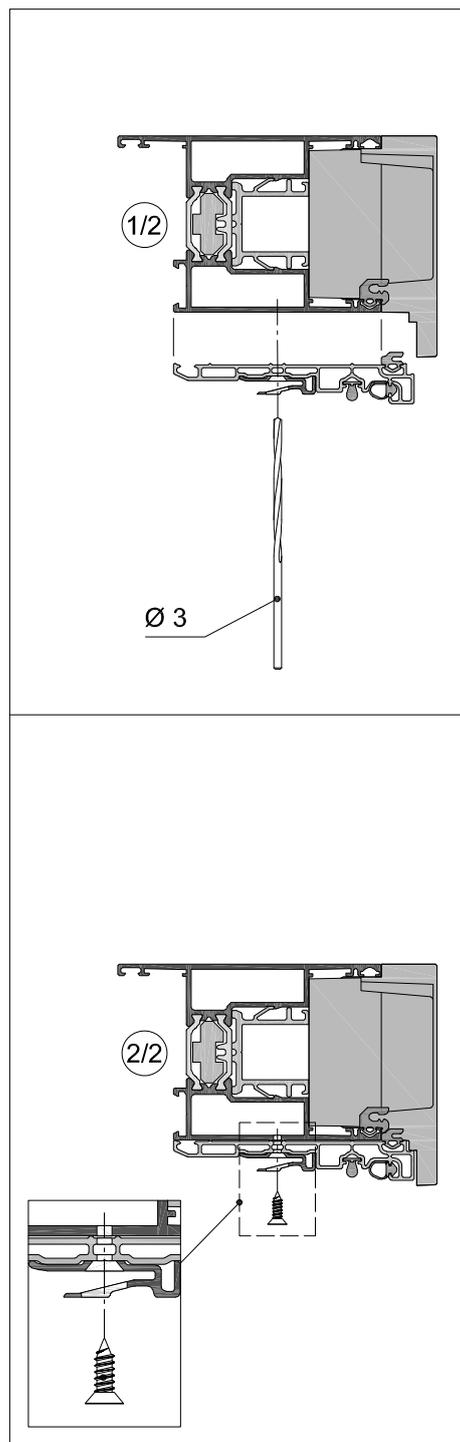
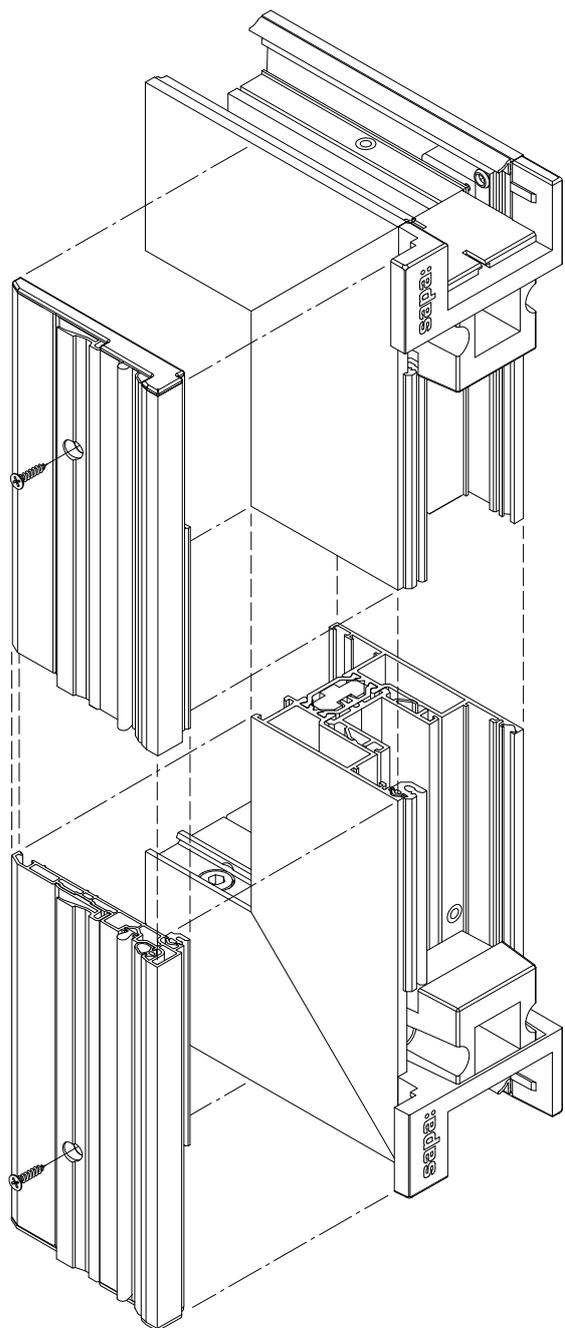
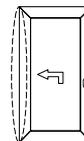
ANTA STANDARD - PREPARAZIONE LABIRINTO

2 / 4



ANTA STANDARD - ASSEMBLAGGIO LABIRINTO

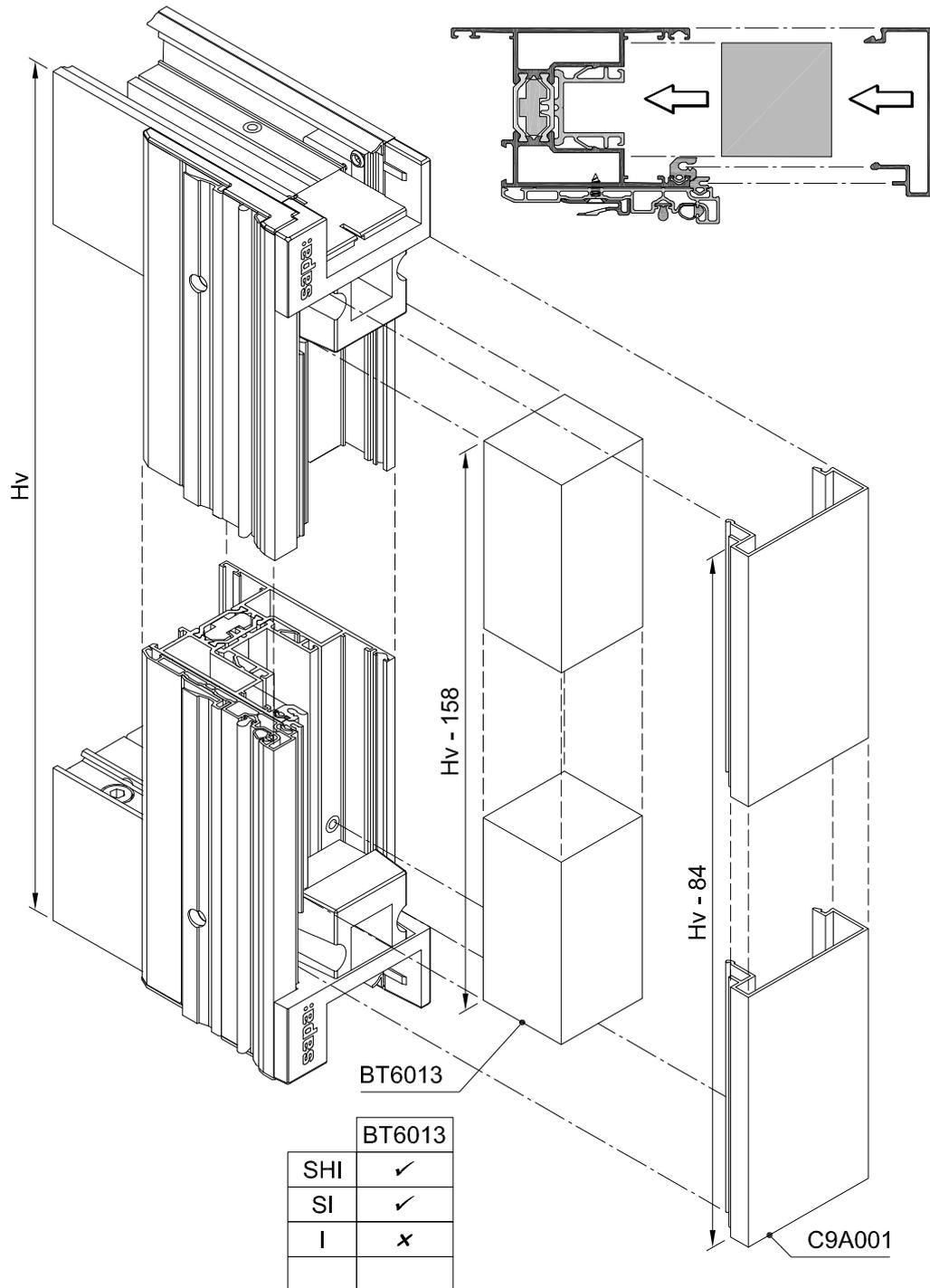
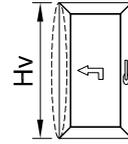
3 / 4



ASSEMBLAGGIO ACCESSORI ANTA

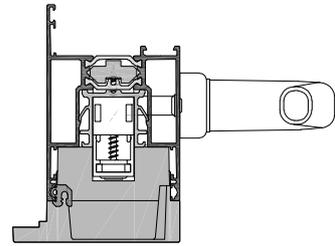
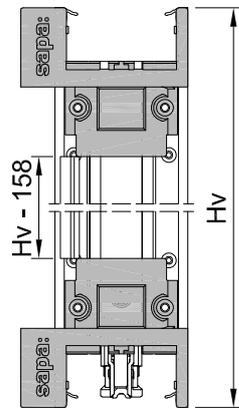
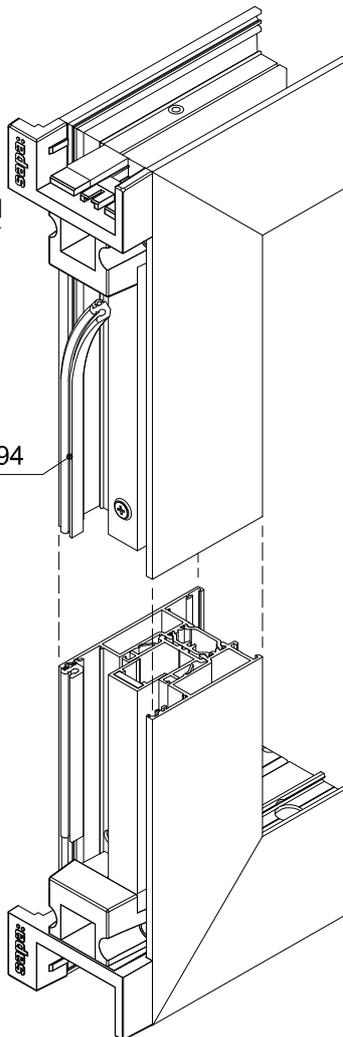
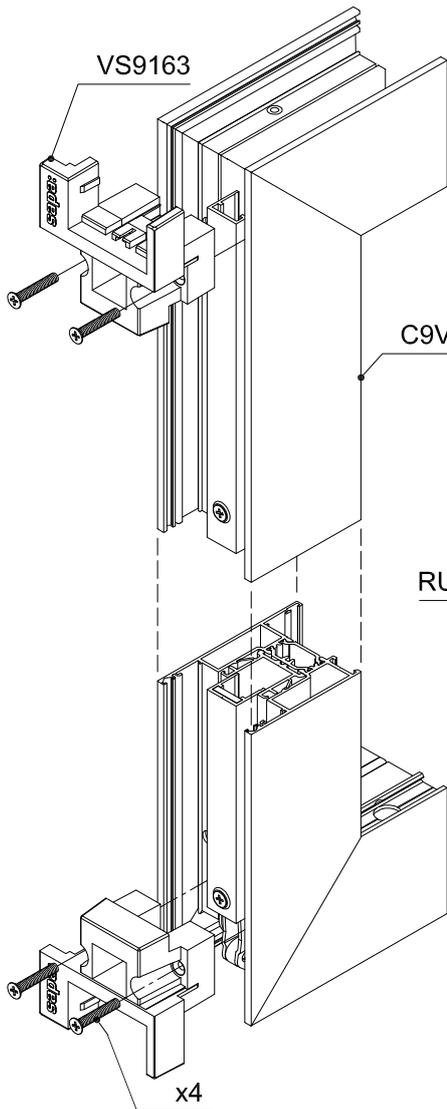
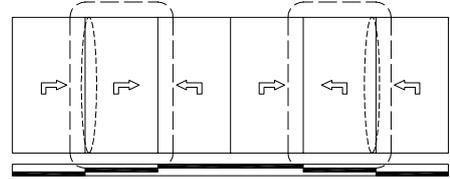
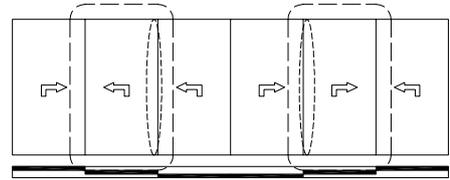
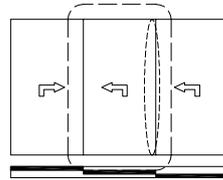
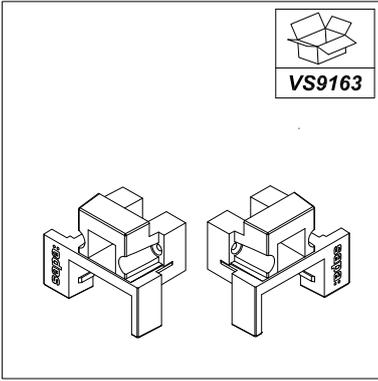
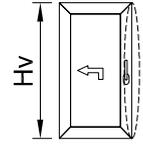
ANTA STANDARD - INSTALLAZIONE BT6013 E C9A001/C9A002

4 / 4



3-BINARI ALZANTE-SCORREVOLE LATO FERRAMENTA - ASSEMBLAGGIO VS9149 E RU9094

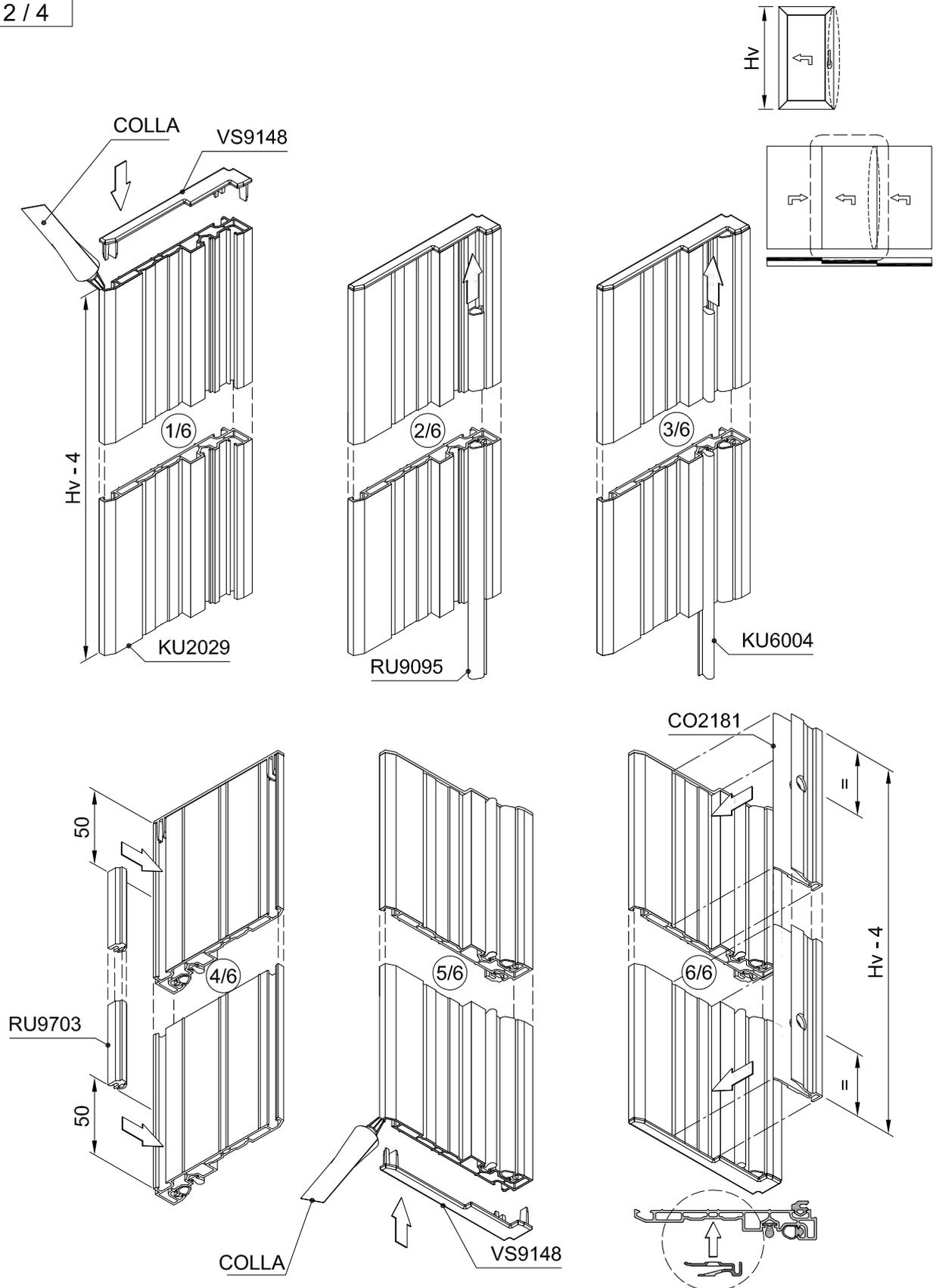
1 / 4



ASSEMBLAGGIO ACCESSORI ANTA

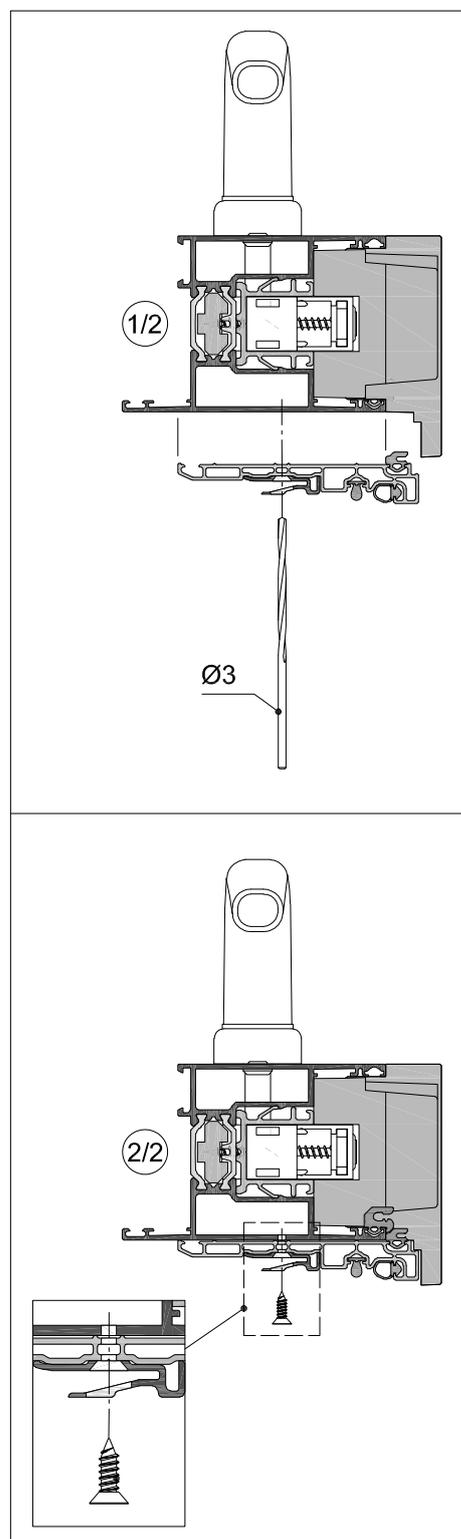
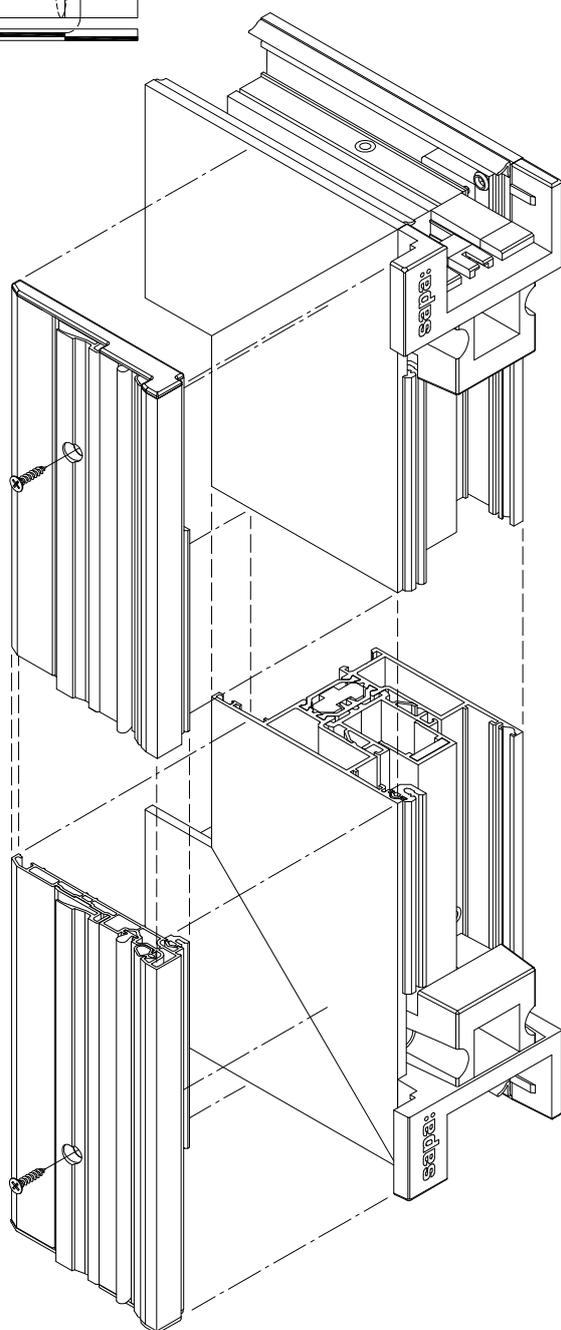
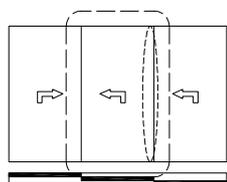
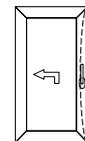
3-BINARI ALZANTE-SCORREVOLE LATO FERRAMENTA - PREPARAZIONE LABIRINTO

2 / 4



3-BINARI ALZANTE-SCORREVOLE LATO FERRAMENTA - ASSEMBLAGGIO LABIRINTO

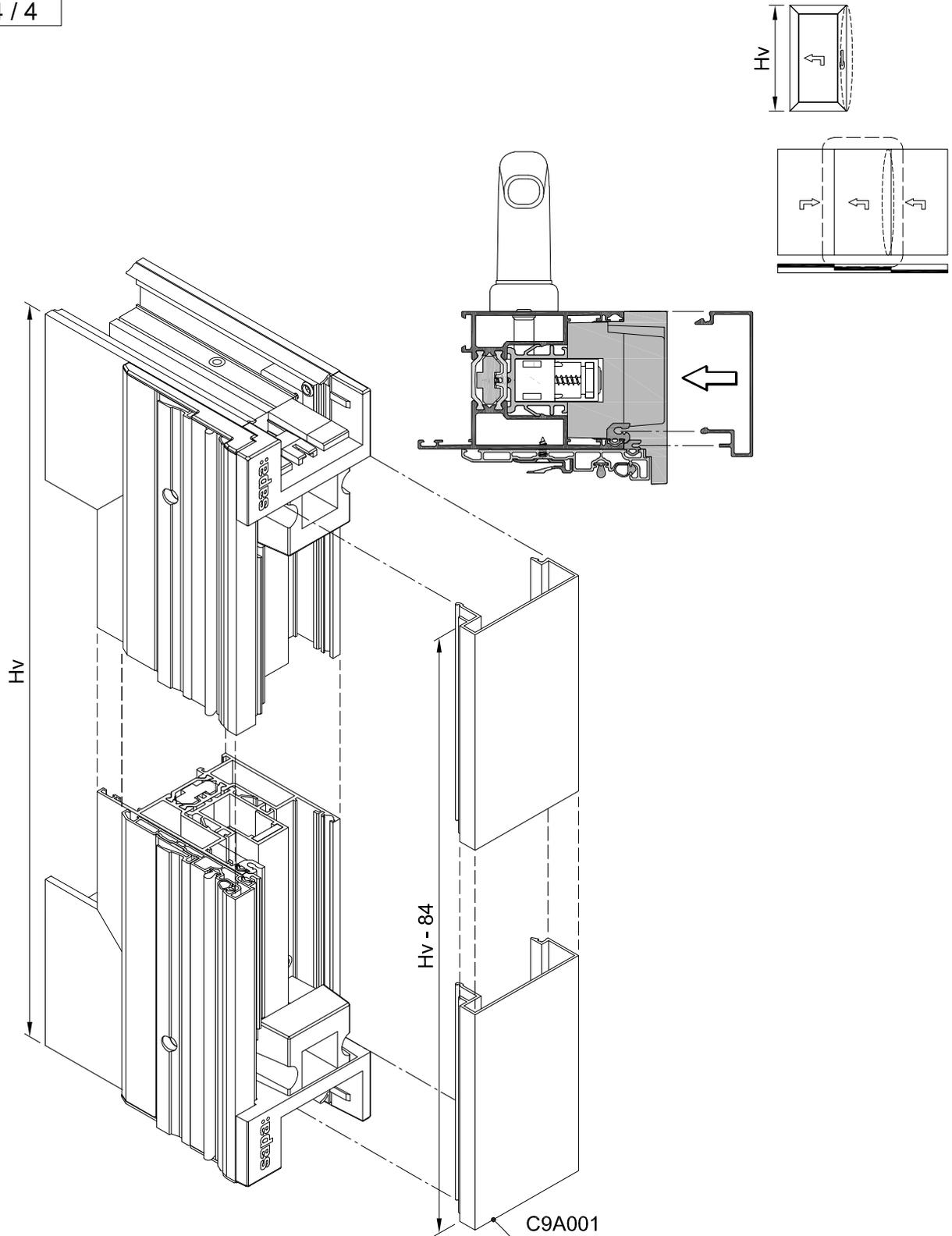
3 / 4



 **C160-ASS-2237L**

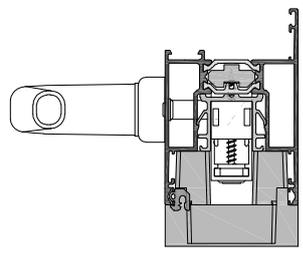
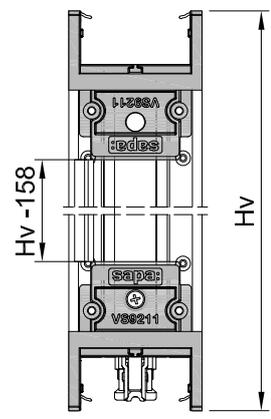
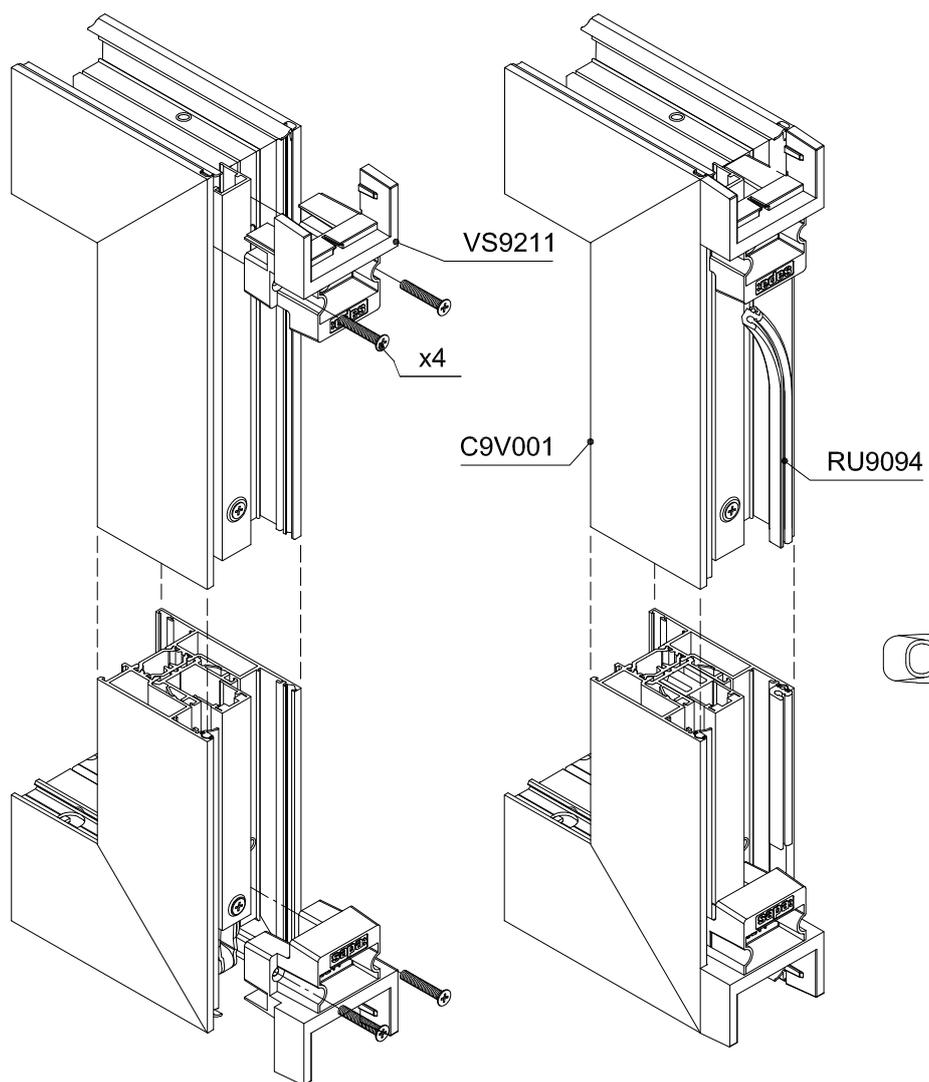
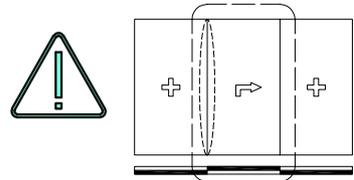
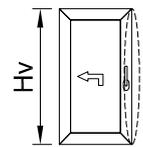
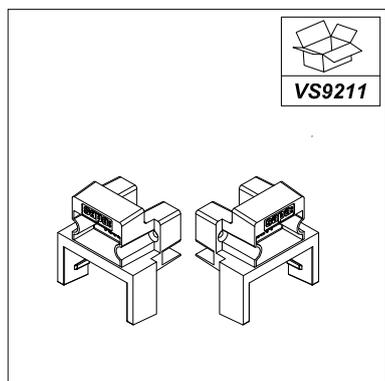
3-BINARI ALZANTE-SCORREVOLE LATO FERRAMENTA - ASSEMBLAGGIO C9A001/C9A002

4 / 4



FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - VS9211 E RU9094

1 / 5

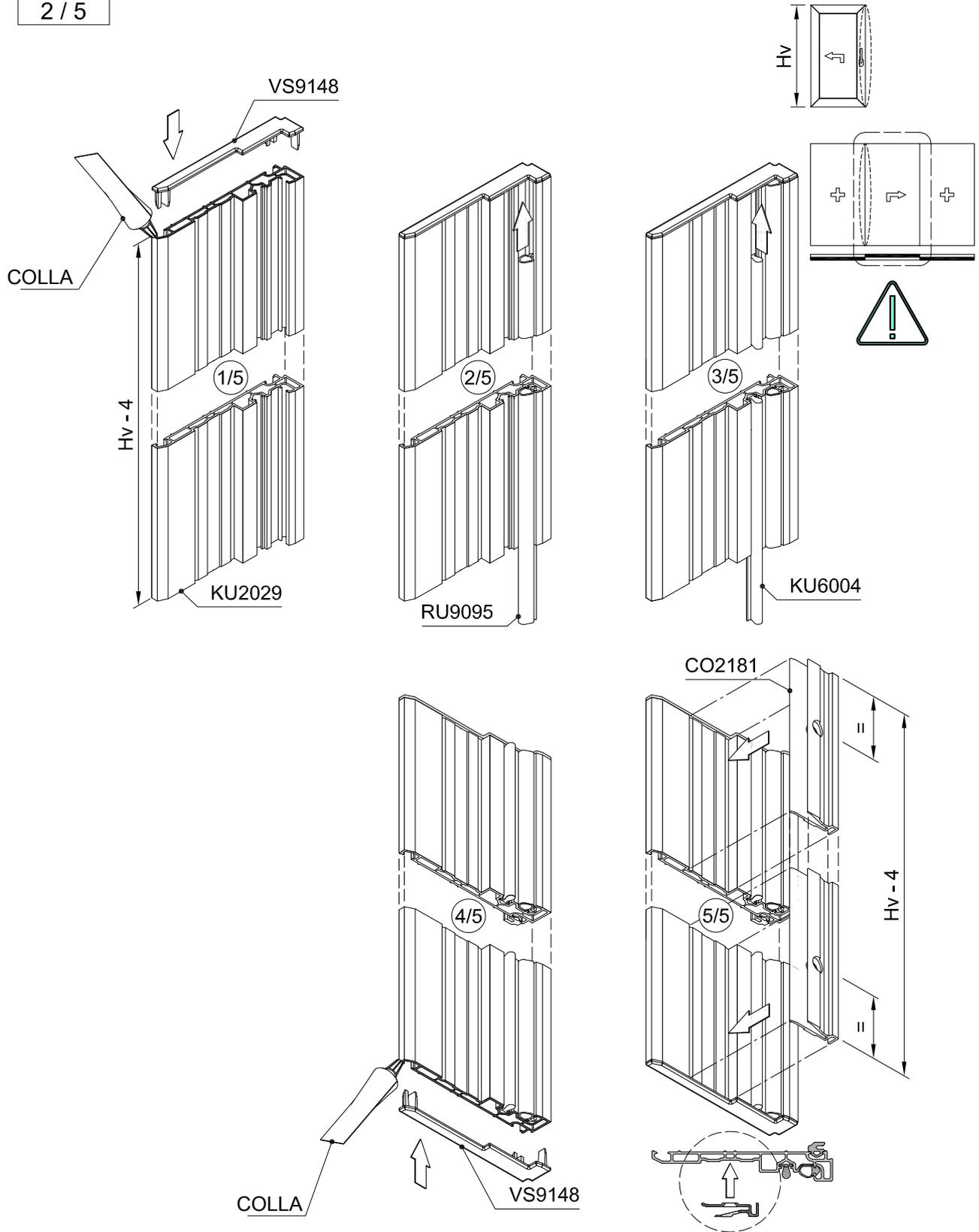


 **C160-ASS-2228L**

ASSEMBLAGGIO ACCESSORI ANTA

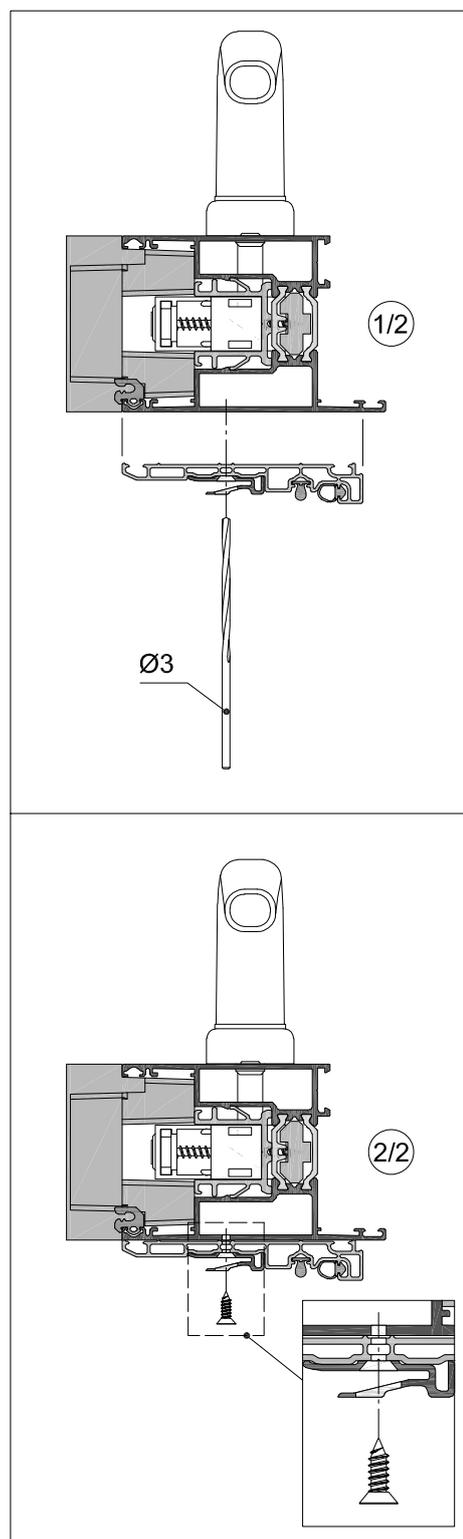
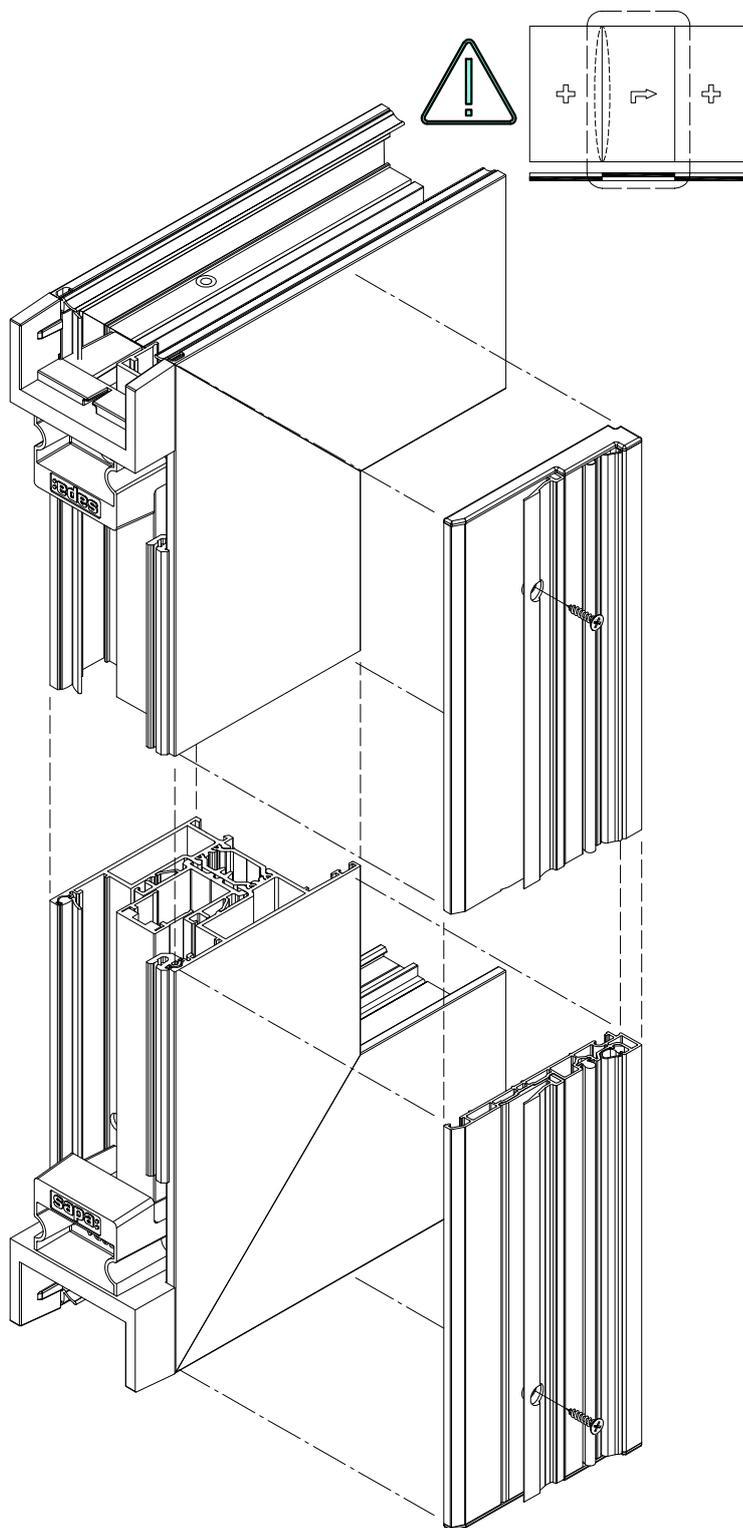
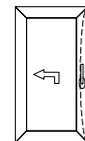
FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - LABIRINTO

2 / 5



FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - ASSEMBLAGGIO LABIRINTO

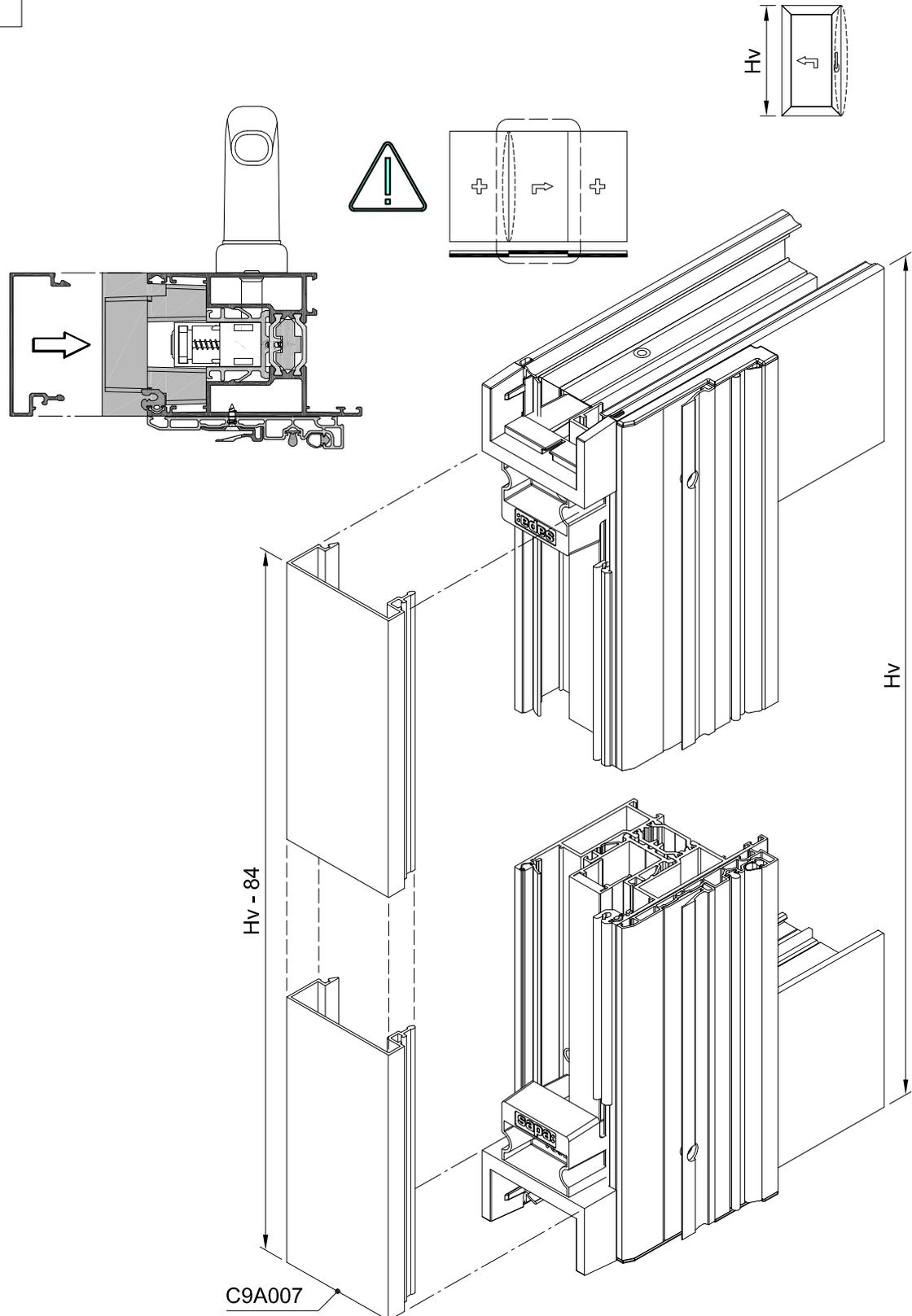
3 / 5



 **C160-ASS-2230L**

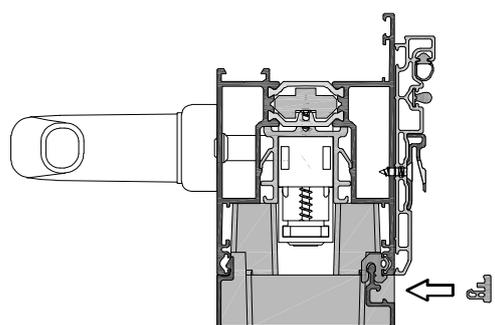
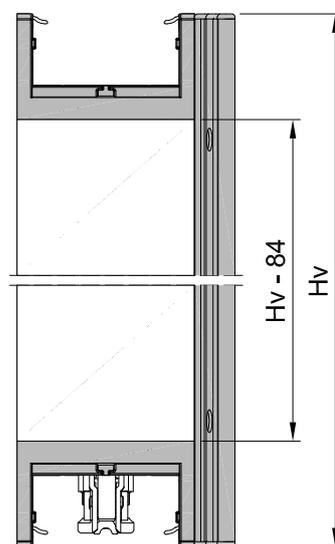
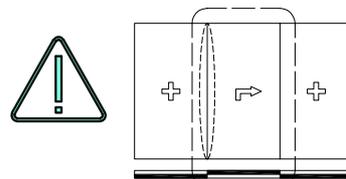
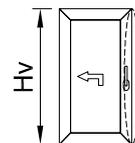
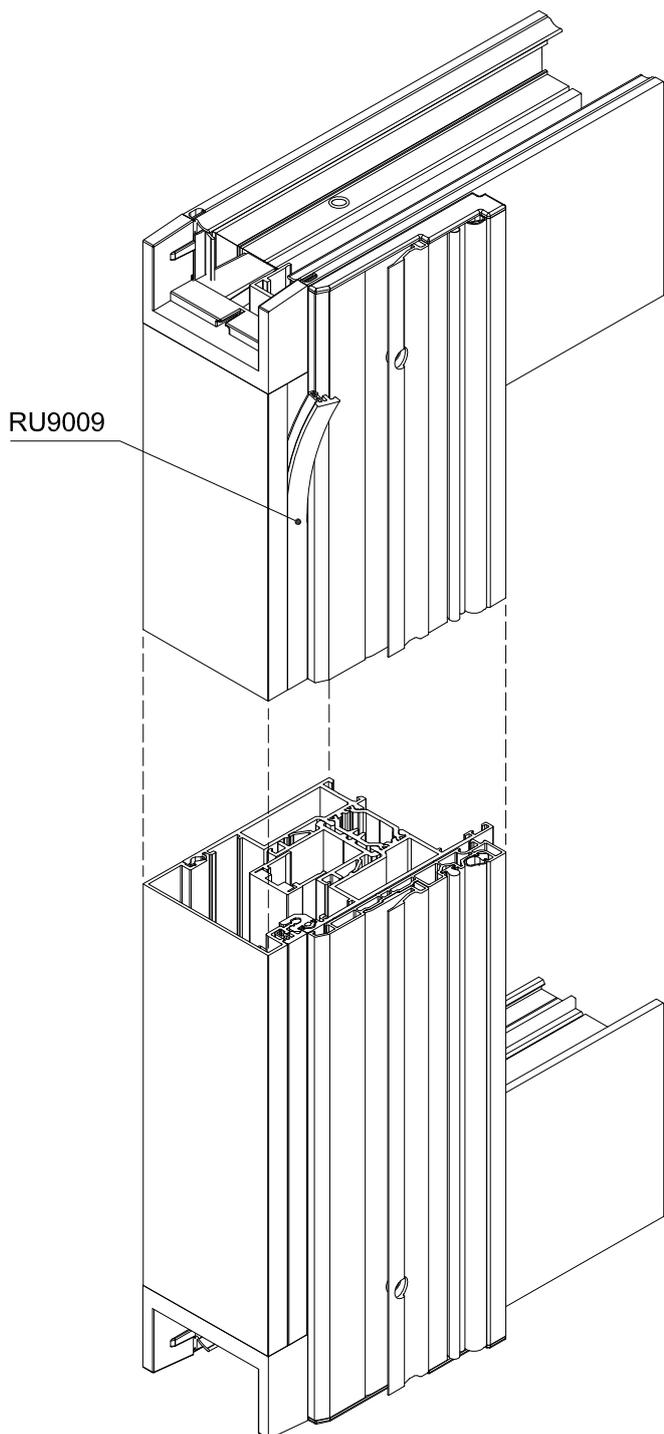
FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - ASSEMBLAGGIO C9A007

4 / 5



FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - ASSEMBLAGGIO RU9009

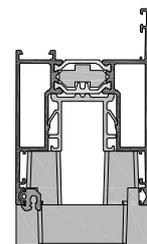
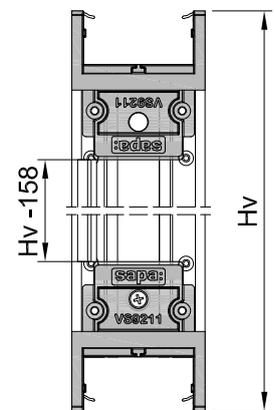
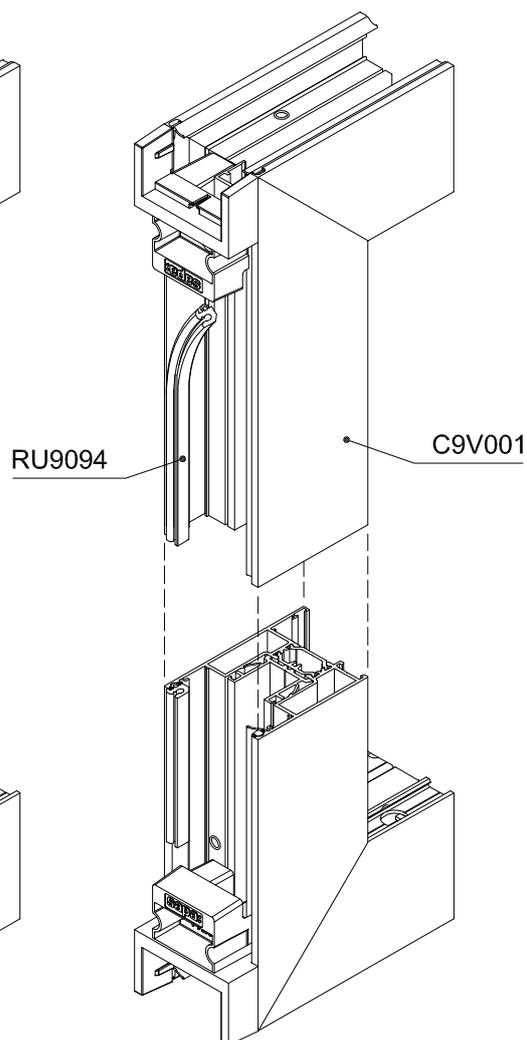
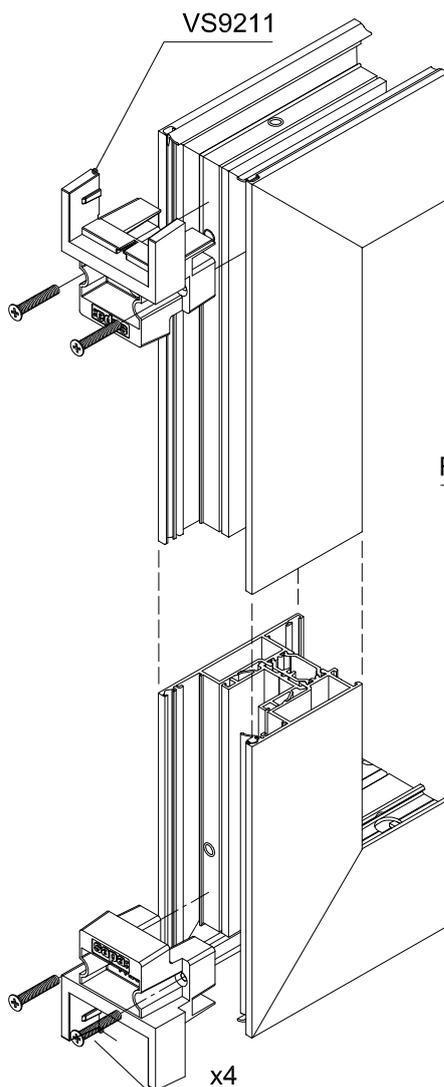
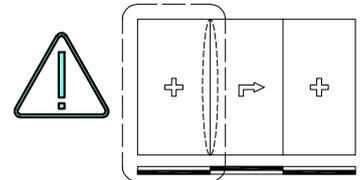
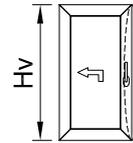
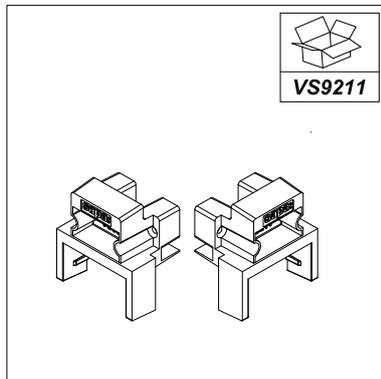
5 / 5



ASSEMBLAGGIO ACCESSORI ANTA

FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA

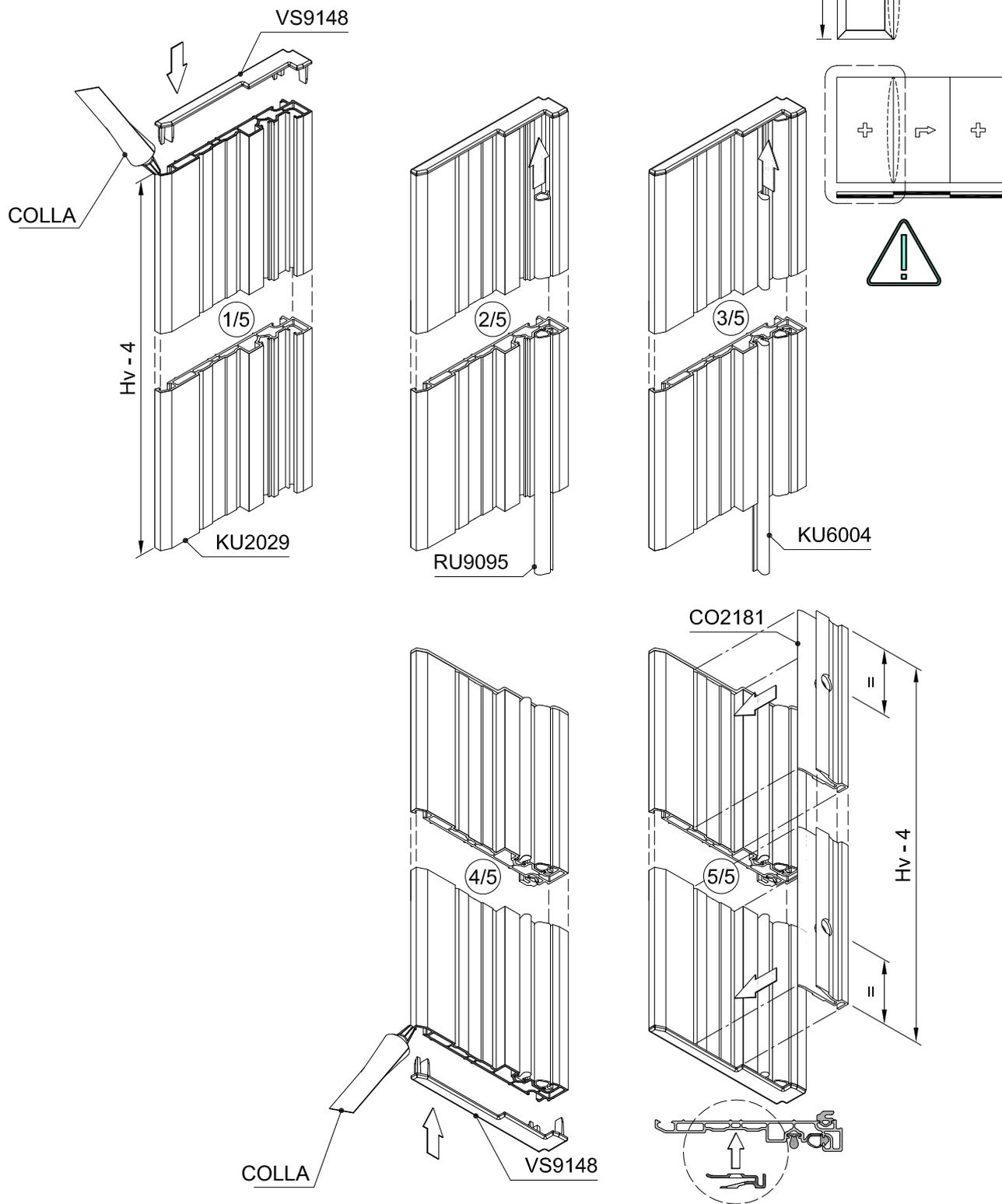
1 / 5



C160-ASS-2257L

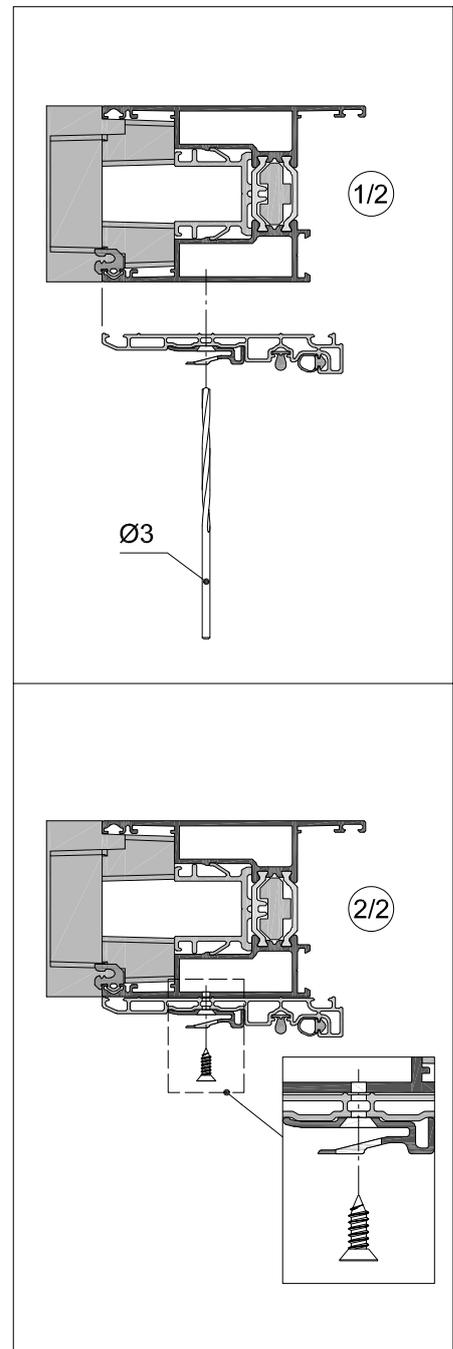
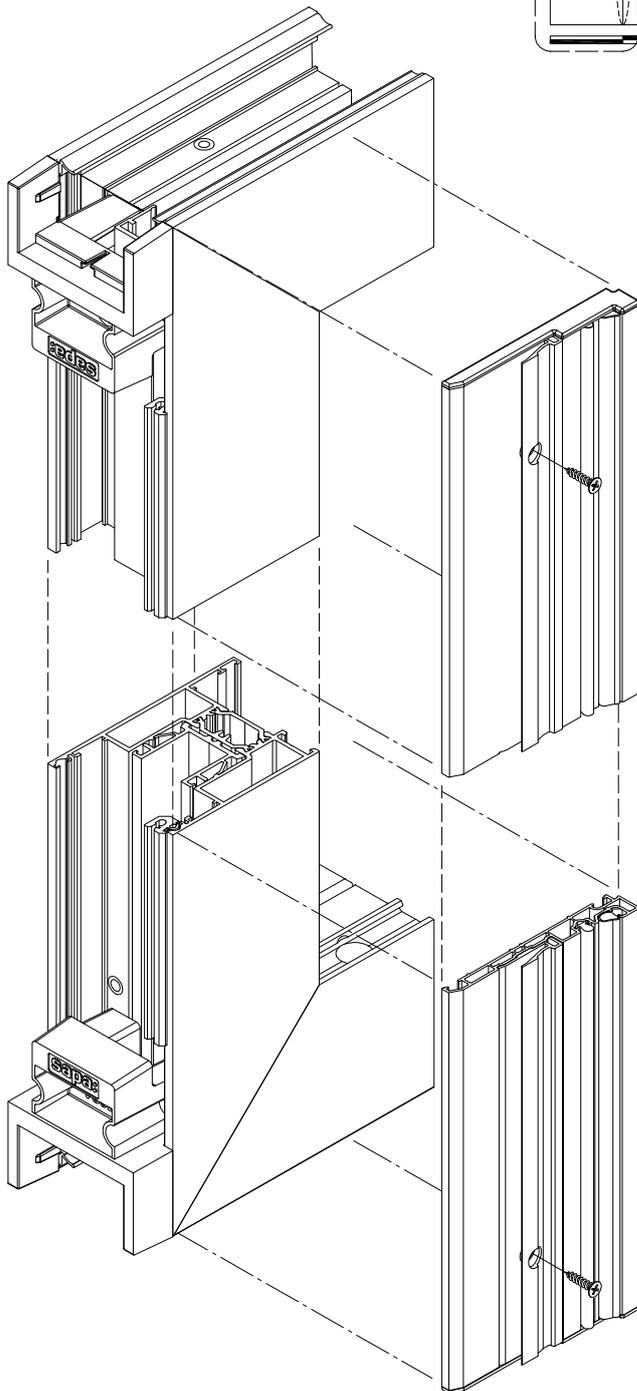
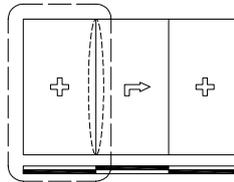
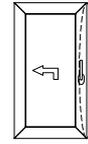
FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA

2 / 5



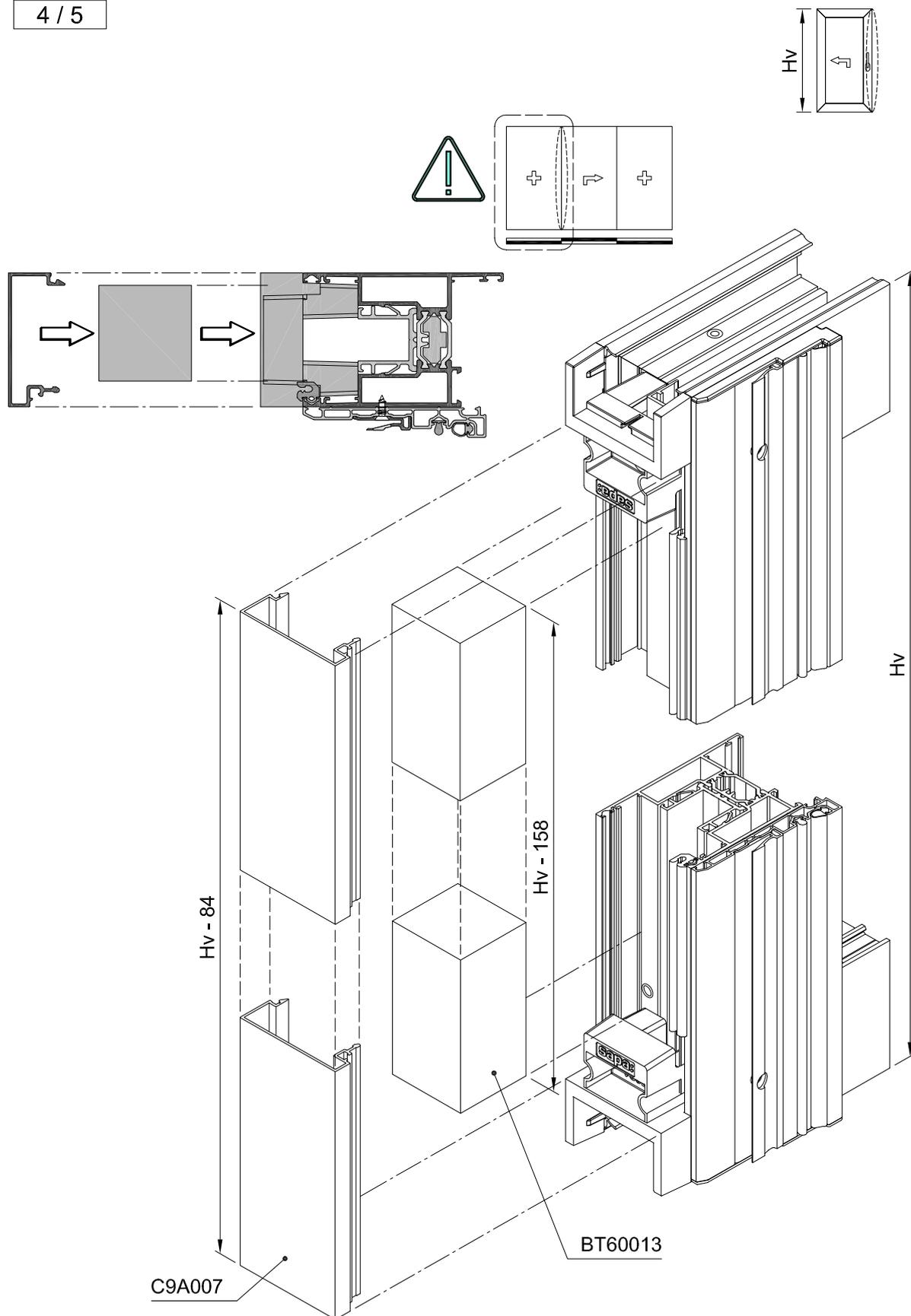
FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - ASSEMBLAGGIO LABIRINTO

3 / 5



FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - BT6013 E C9A007

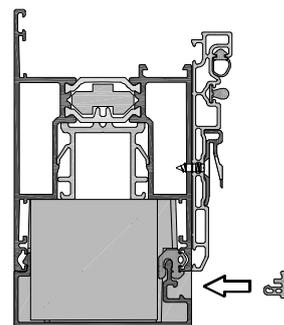
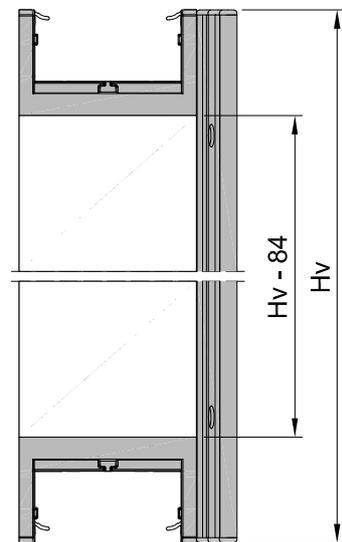
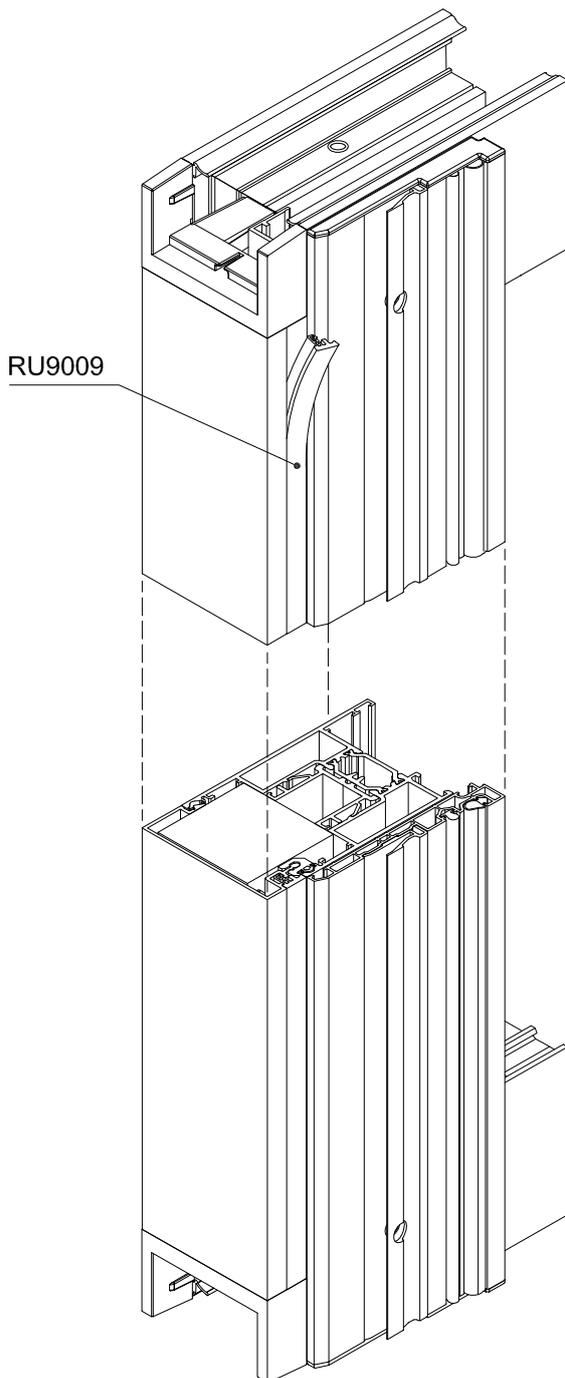
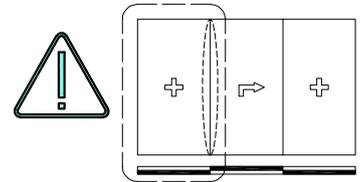
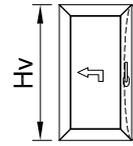
4 / 5



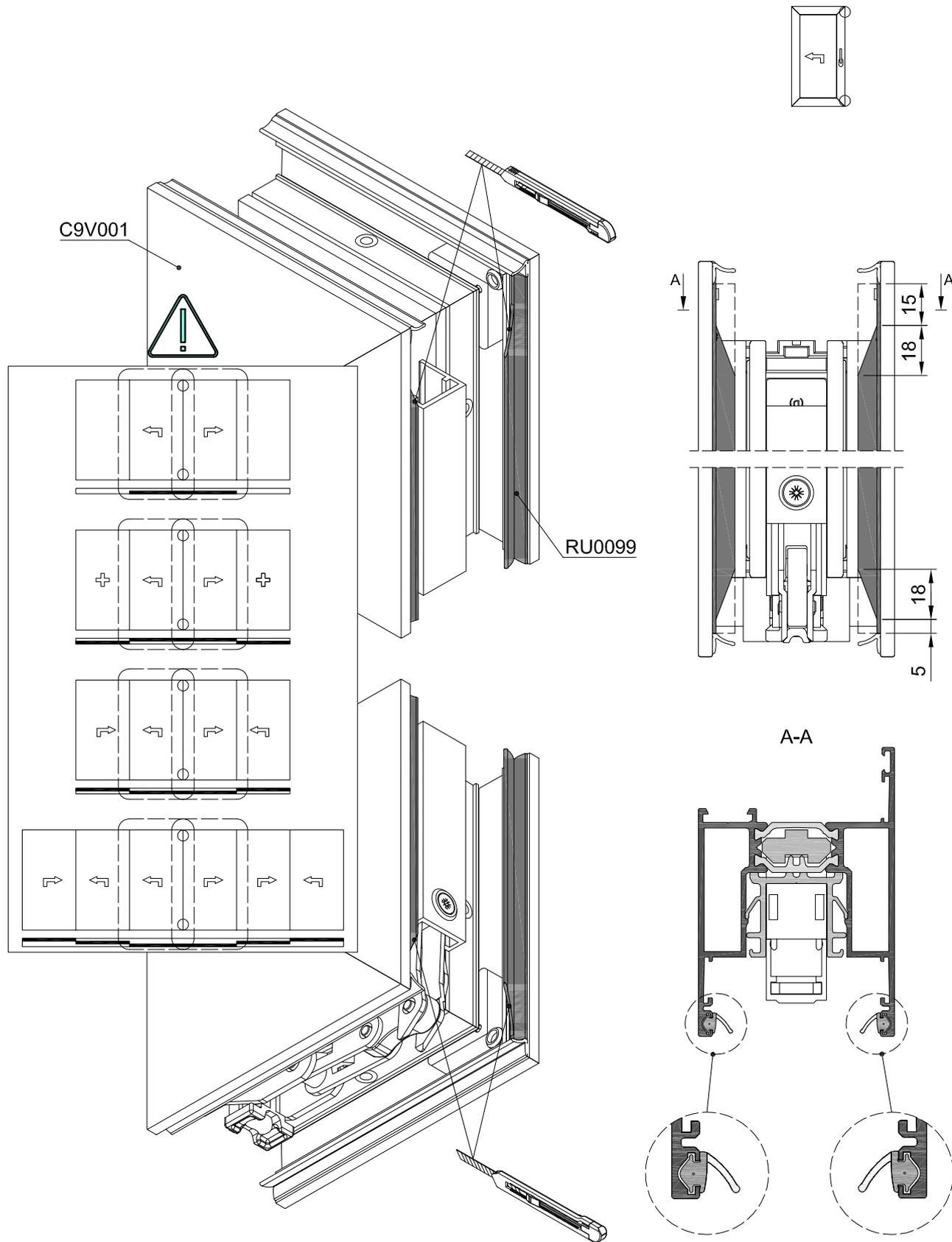
 **C160-ASS-2260L**

FISSO-ALZANTE-SCORREVOLE-FISSO LATO FERRAMENTA - ASSEMBLAGGIO RU9009

5 / 5

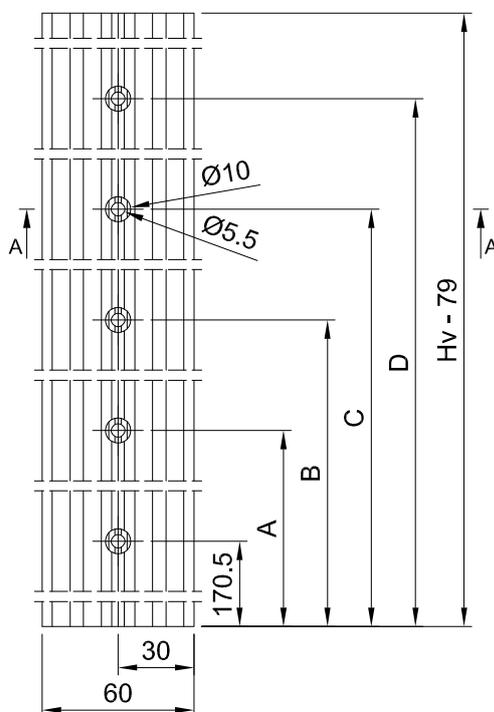
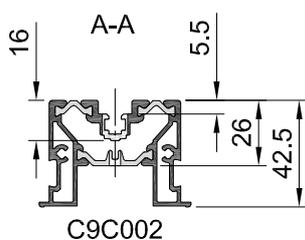
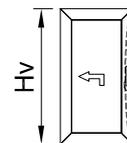


ANTA PASSIVA SCHEMA 4 ANTE - PREPARAZIONE RU0099



ANTA PASSIVA SCHEMA 4 ANTE - PREPARAZIONE C9C002

1 / 6

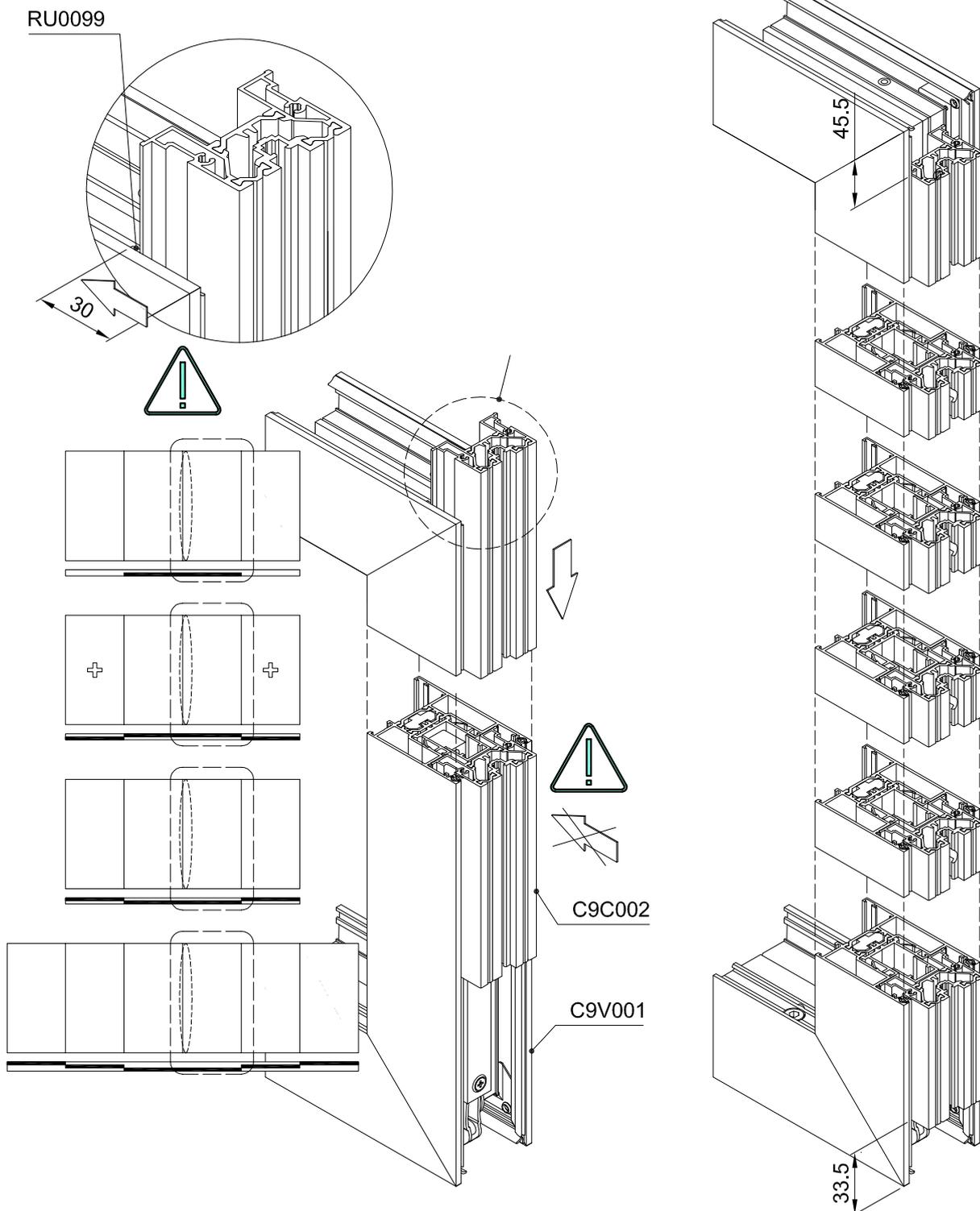
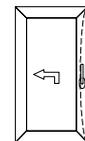


| A | B | C | D | | Hv |
|-------|--------|--------|------------|-------------|-------------|
| 670.5 | 1120.5 | 1520.5 | Hv - 358,5 | ZB0034 | 1904 - 2203 |
| | | 1820.5 | | ZB0035 | 2204 - 2503 |
| | | 2120.5 | | ZB0036 | 2504 - 2803 |
| | | 1820.5 | ZB0035* | 2804 - 3103 | |
| | | 2120.5 | ZB0036* | 3104 - 3403 | |
| | 520.5 | 920.5 | | ZB0033 | 1303 - 1903 |

* + ZB0046

ANTA PASSIVA SCHEMA 4 ANTE - ASSEMBLAGGIO C9C002

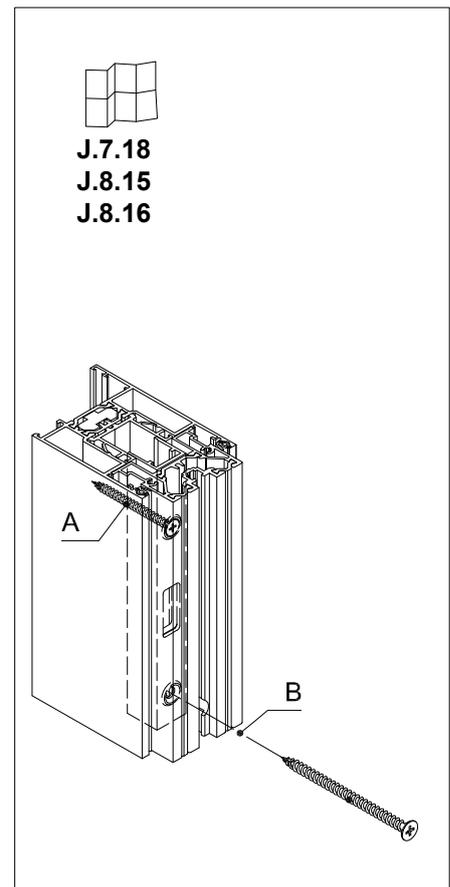
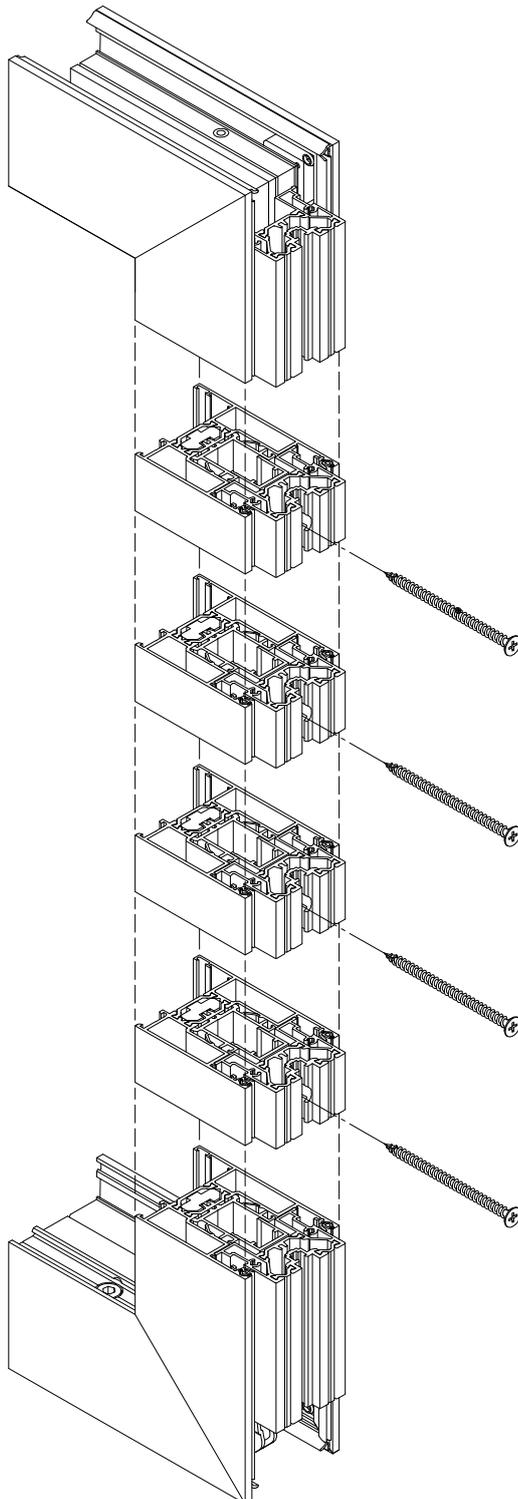
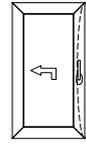
2 / 6



 **C160-ASS-2186L**

ANTA PASSIVA SCHEMA 4 ANTE - ASSEMBLAGGIO C9C002

3 / 6

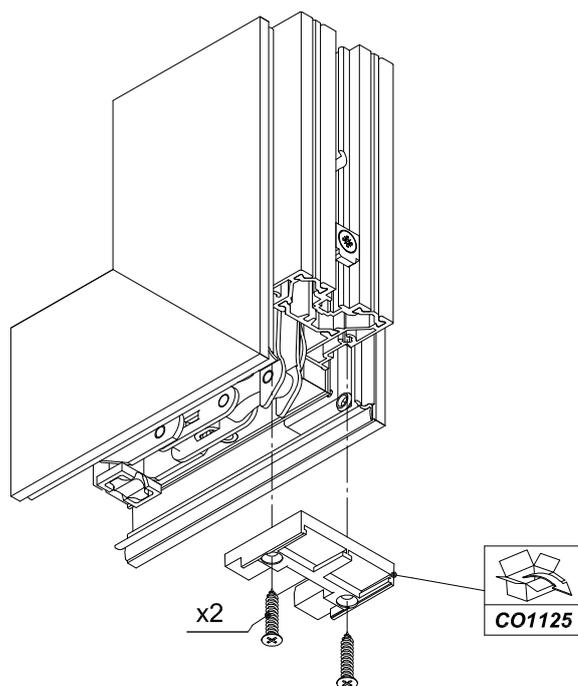
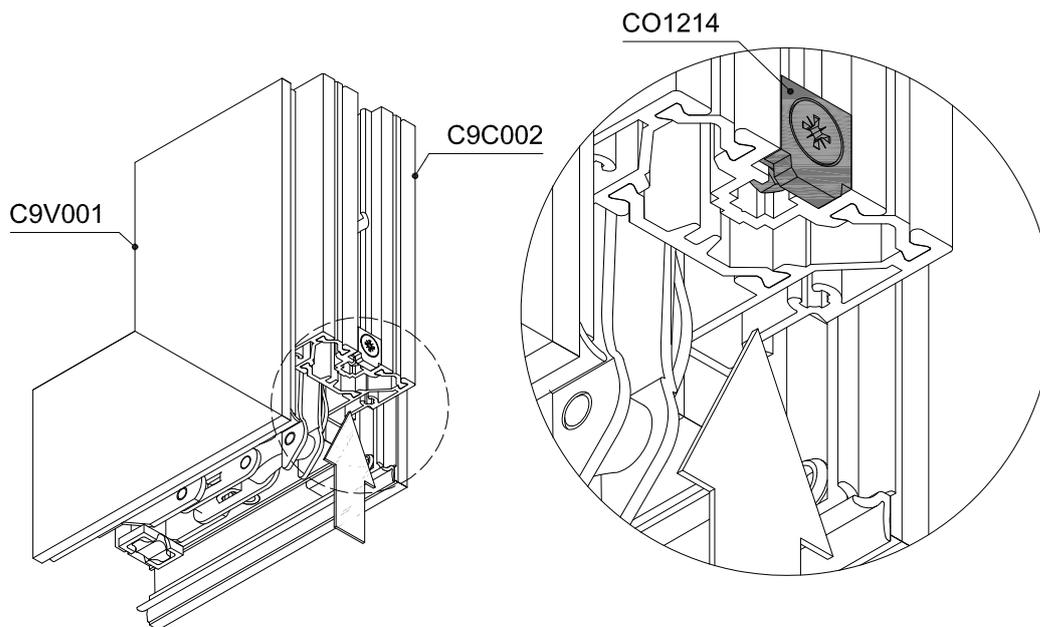
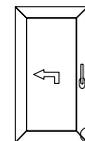


ANTA PASSIVA SCHEMA 4 ANTE - INSTALLAZIONE TAPPO SIGILLATURA INFERIORE

4 / 6



J.12.3



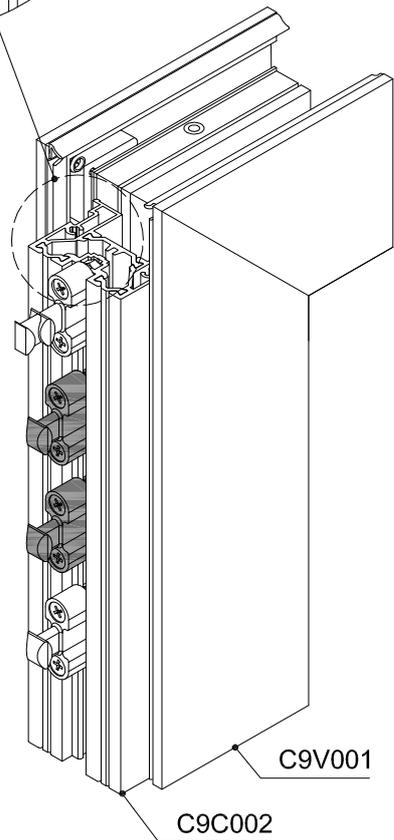
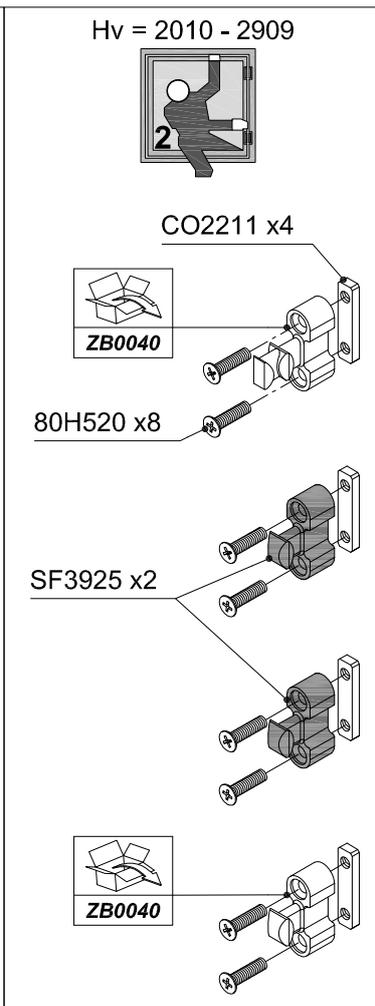
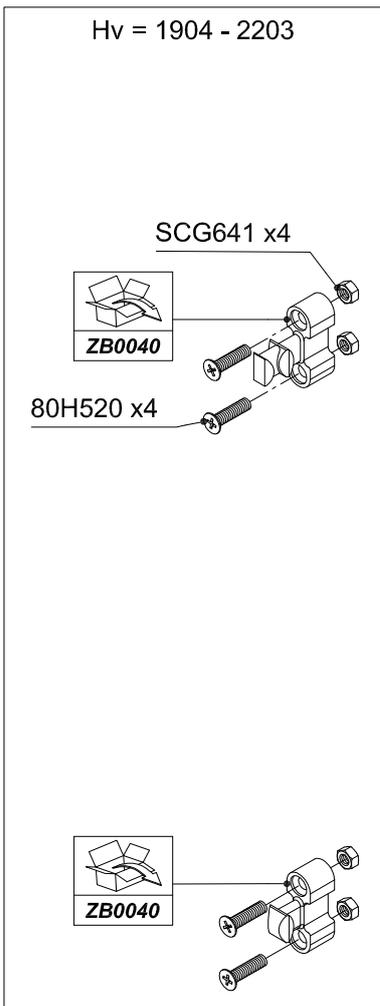
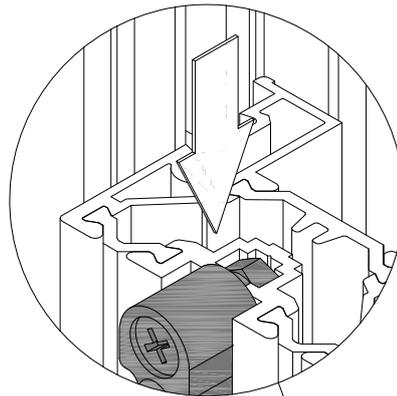
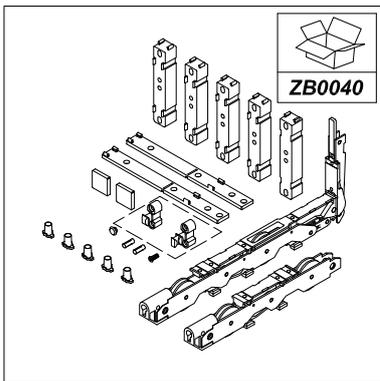
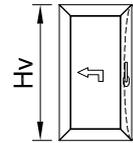
ASSEMBLAGGIO ACCESSORI ANTA

ANTA PASSIVA SCHEMA 4 ANTE - INSTALLAZIONE PUNTI DI CHIUSURA

5 / 6



J.12.4

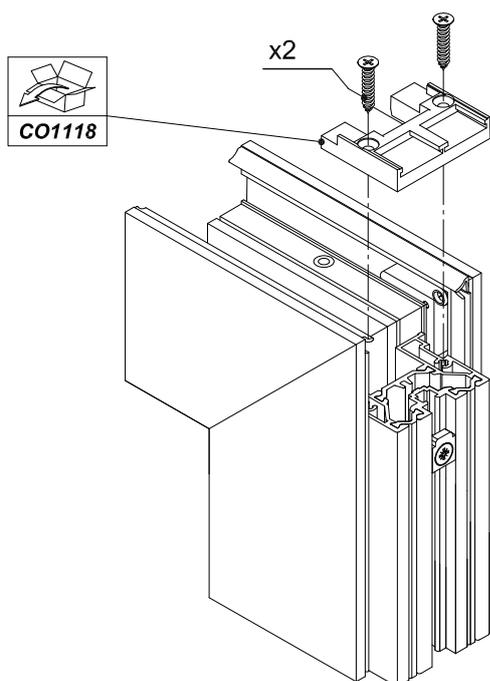
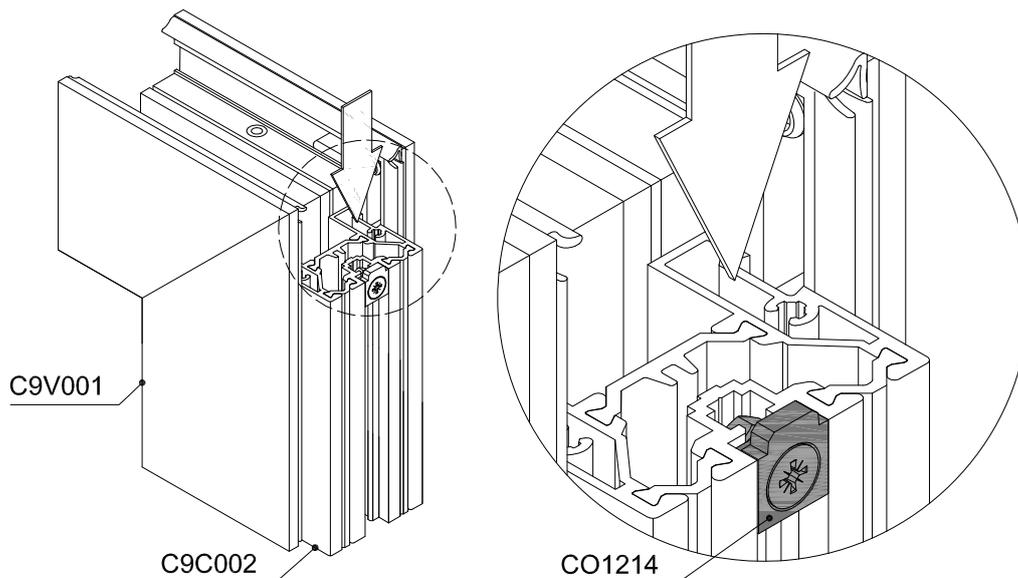
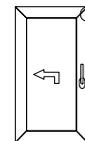


ANTA PASSIVA SCHEMA 4 ANTE - INSTALLAZIONE TAPPO SIGILLATURA SUPERIORE

6 / 6



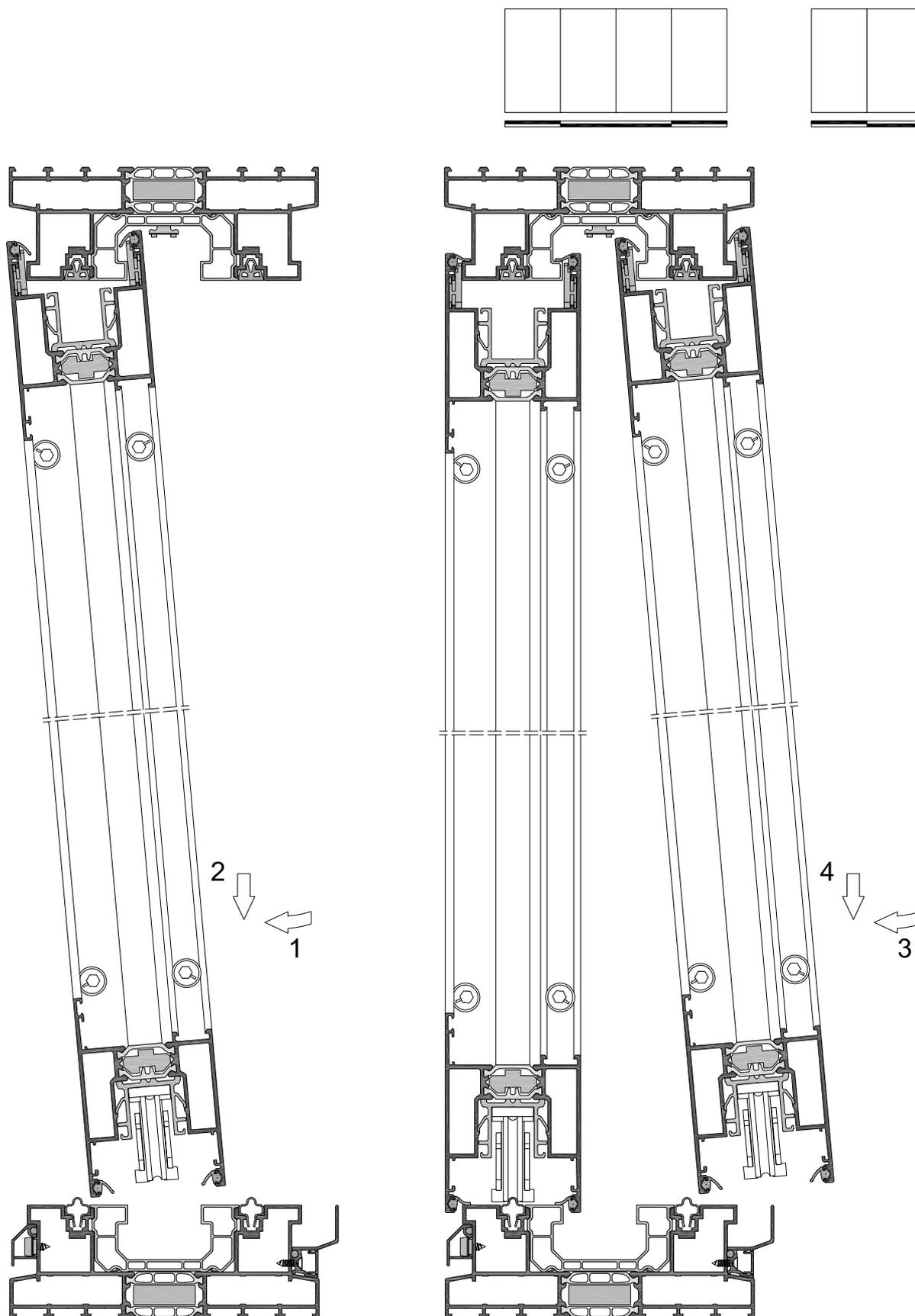
J.12.3



CONTENUTO

| | |
|---|---------|
| Installazione ante su telai..... | J.12.1 |
| Contenuto..... | J.12.1 |
| 2-binari..... | J.12.2 |
| 3-binari..... | J.12.3 |
| Uso standard..... | J.12.6 |
| Aggiustamenti..... | J.12.6 |
| | |
| Anta fissa scorrevole-fisso - VS5128/VS5129..... | J.12.6 |
| Anta fissa scorrevole-fisso - assemblaggio VS5128 e BT6015..... | J.12.7 |
| Anta fissa scorrevole-fisso - fori per guide..... | J.12.8 |
| | |
| Scorrevole-fisso - VS5129 e BT6026..... | J.12.9 |
| Scorrevole-fisso - assemblaggio anta fissa su telai..... | J.12.10 |
| Scorrevole-fisso - rimozione profilato cartellina..... | J.12.11 |
| Scorrevole-fisso - assemblaggio BT6026 e VS5129 superiore..... | J.12.12 |
| Scorrevole-fisso - fissaggio con SCZ617..... | J.12.13 |
| Scorrevole-fisso - fissaggio con SCZ617..... | J.12.14 |
| Scorrevole-fisso - base tappo di tenuta e cartellina anta..... | J.12.15 |
| Scorrevole-fisso - posizionamento anta apribile sul telaio..... | J.12.16 |
| | |
| Assemblaggio tappo di tenuta superiore- 2-binari telai..... | J.12.20 |
| Assemblaggio tappo di tenuta superiore- 3-binari telai..... | J.12.21 |
| Assemblaggio SV9002..... | J.12.22 |

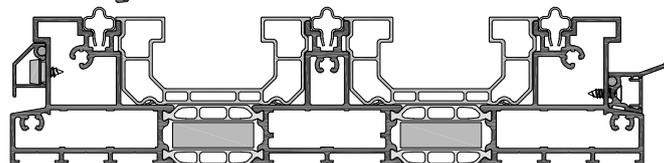
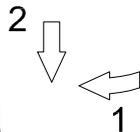
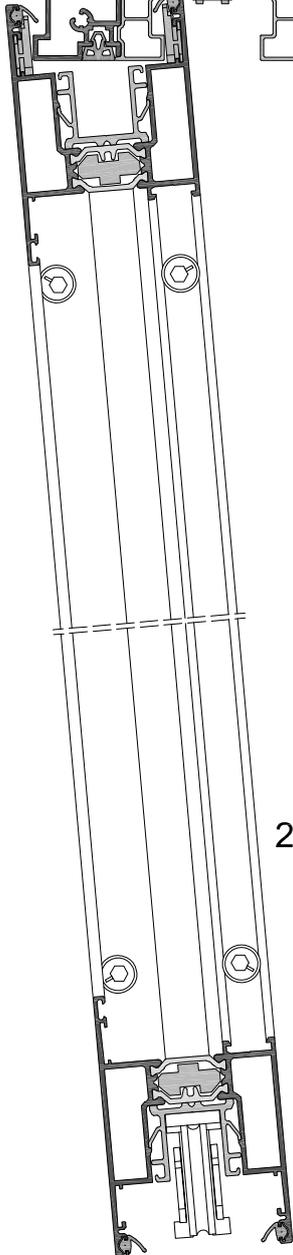
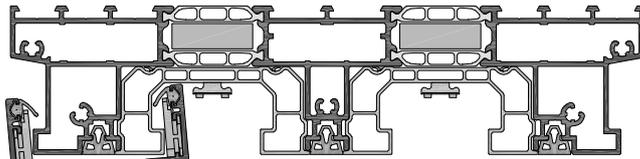
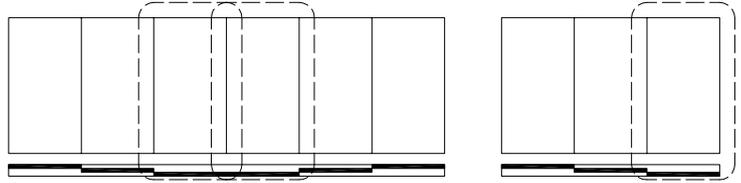
2-BINARI



 **C160-ASS-1336**

3-BINARI

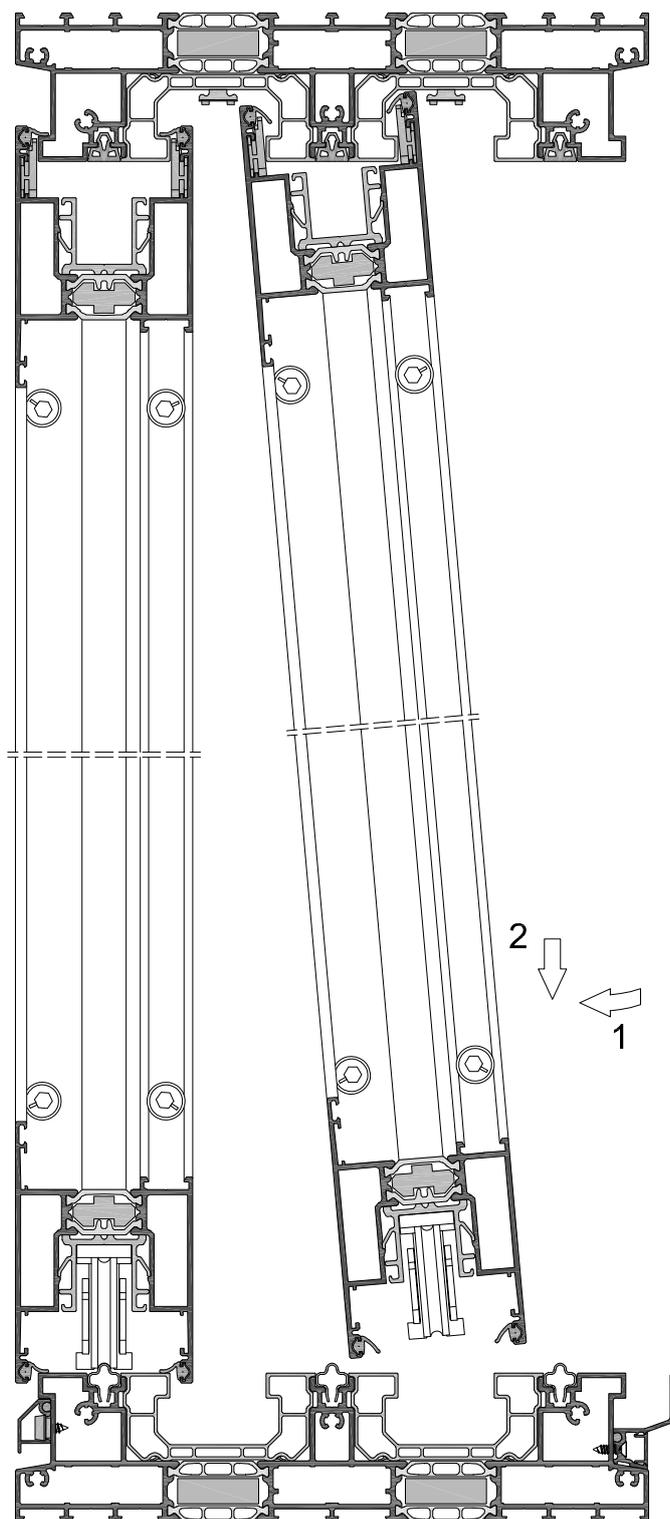
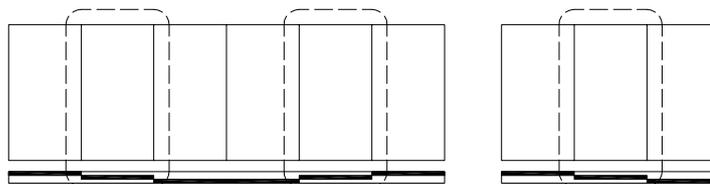
1 / 3



 C160-ASS-1027

3-BINARI

2 / 3

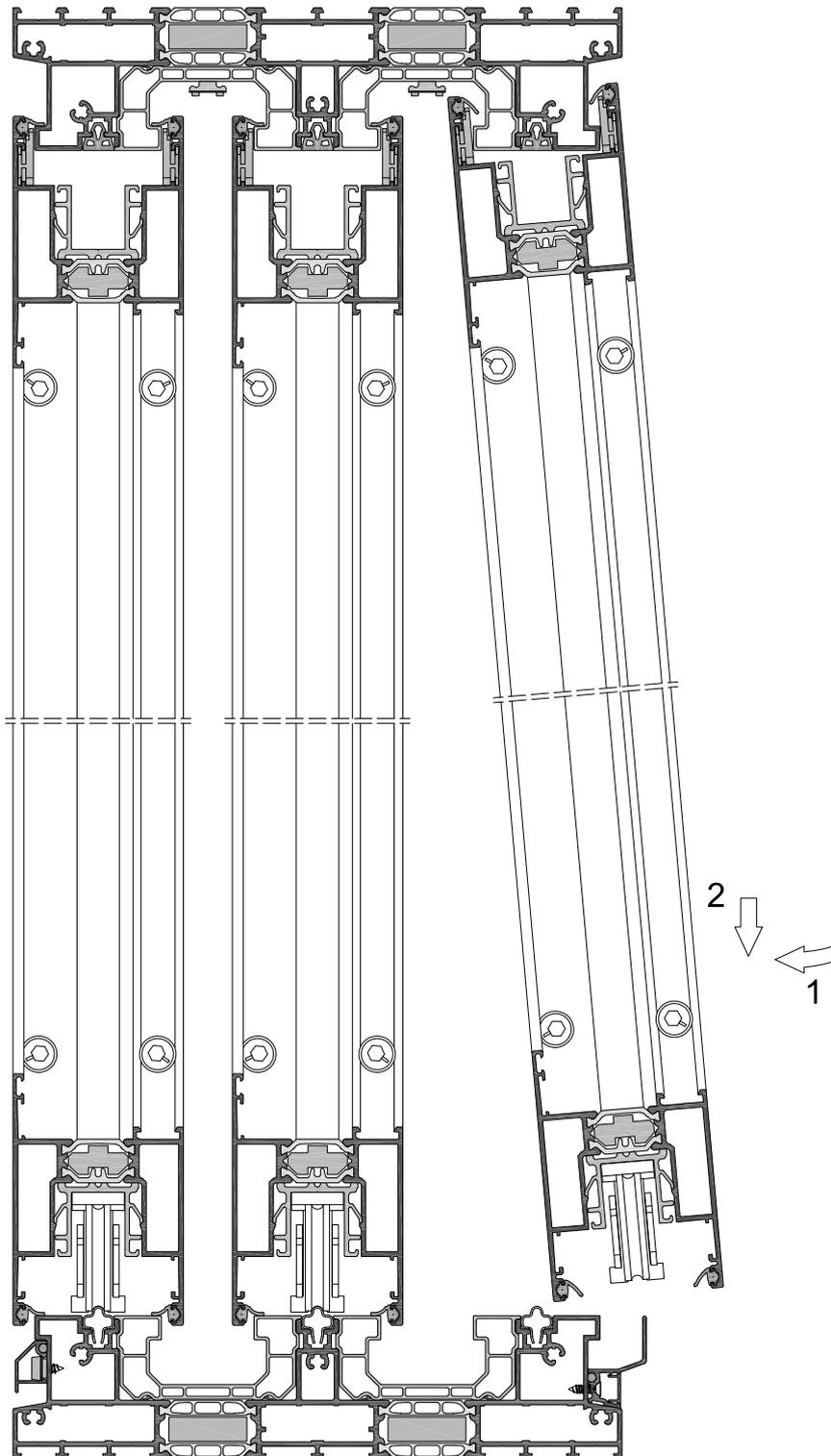
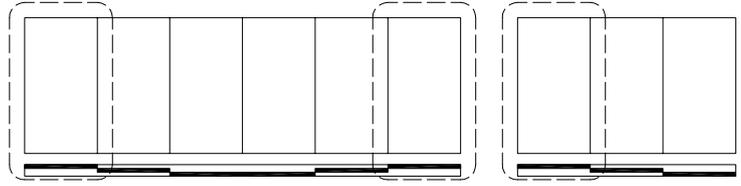


 **C160-ASS-1028**

INSTALLAZIONE ANTE SU TELAI

3-BINARI

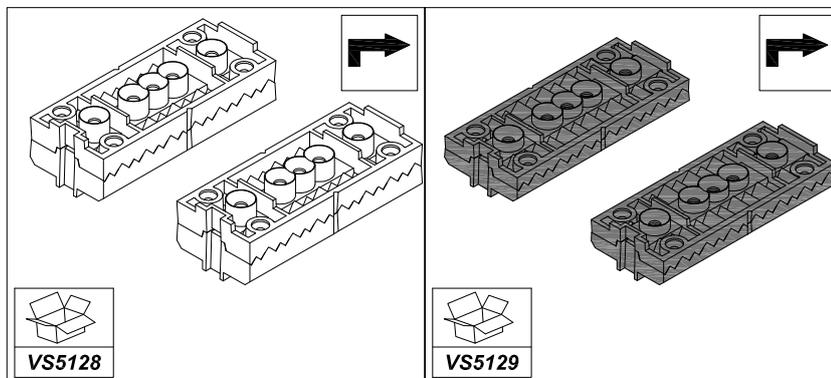
3 / 3



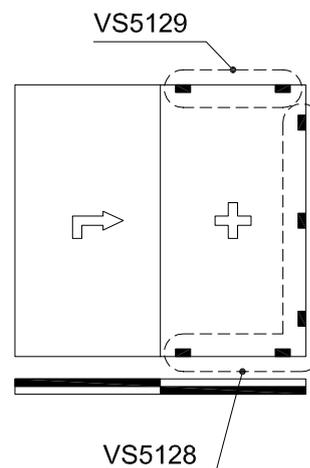
 C160-ASS-1029

ANTA FISSA SCORREVOLE-FISSO - VS5128/VS5129

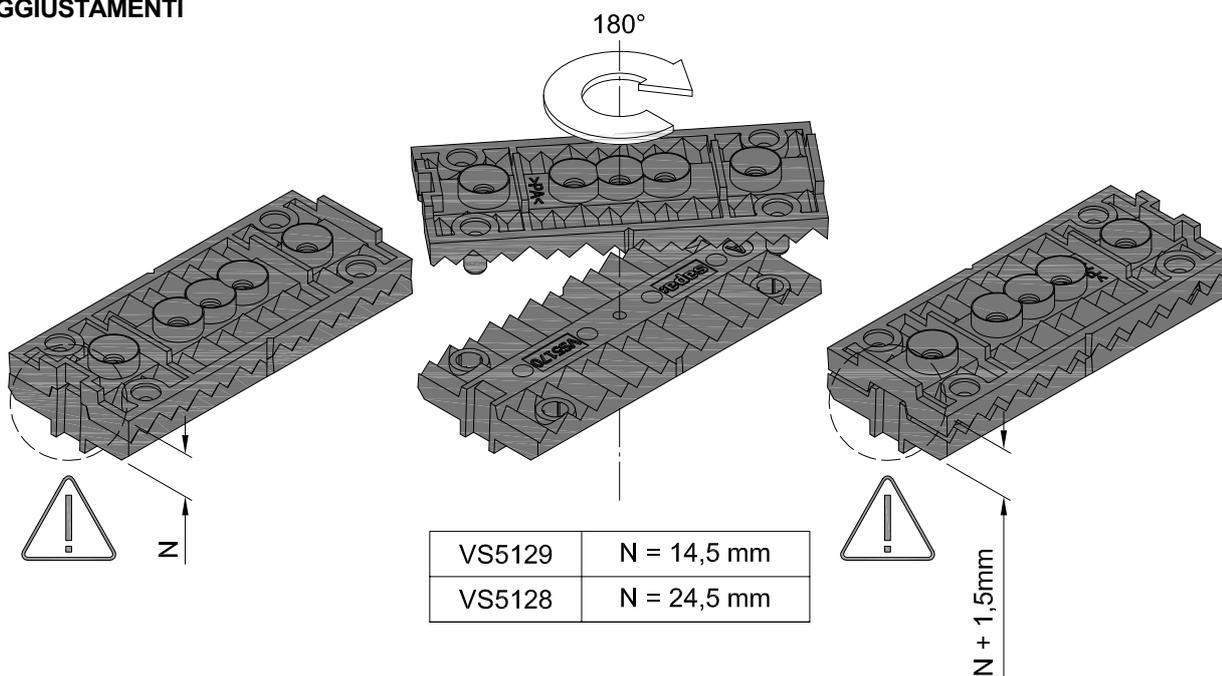
1 / 10



**Uso
STANDARD**



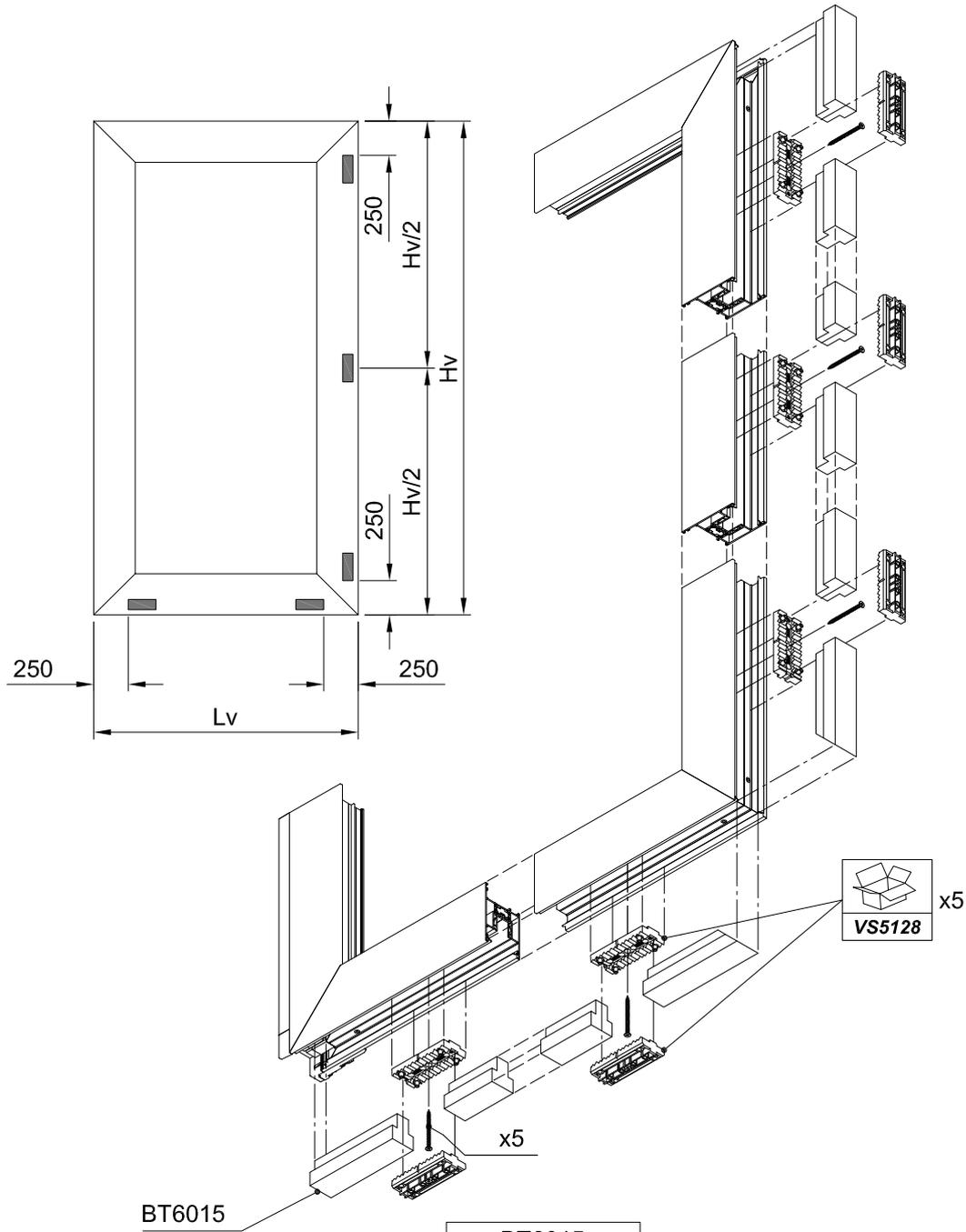
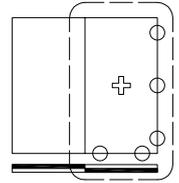
AGGIUSTAMENTI



 **C160-ASS-2288L**

ANTA FISSA SCORREVOLE-FISSO - ASSEMBLAGGIO VS5128 E BT6015

2 / 10



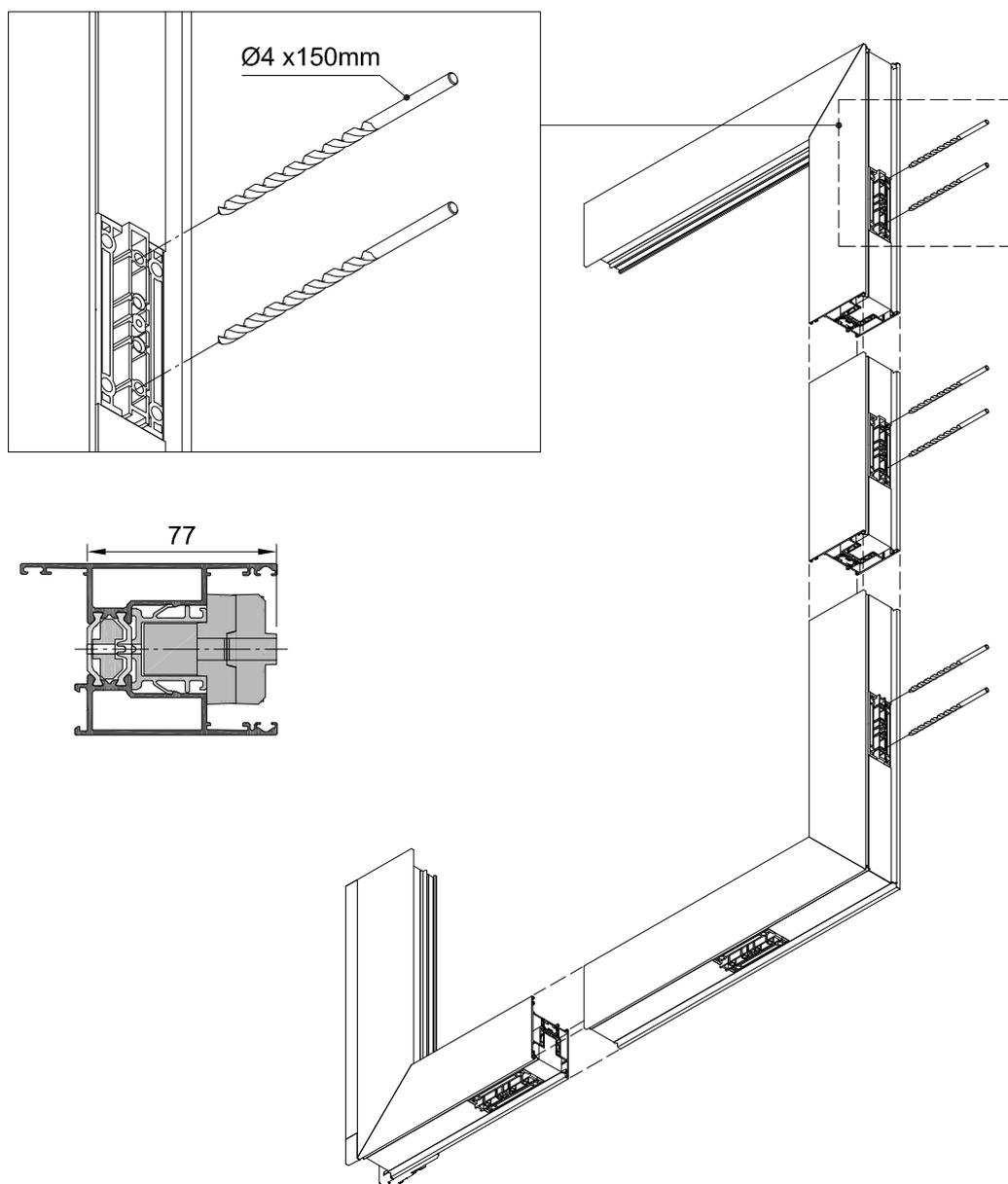
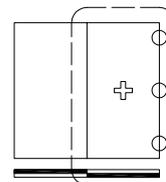
BT6015

| | BT6015 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |

C160-ASS-2241L

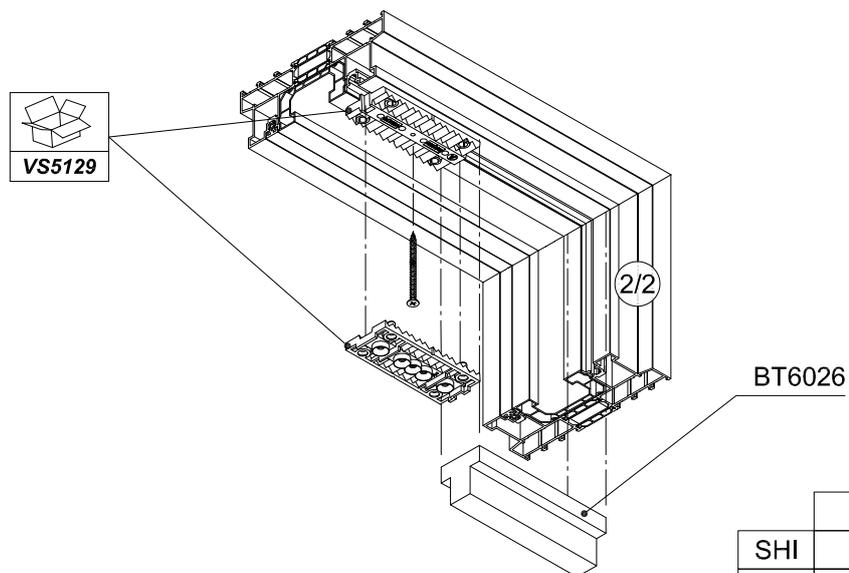
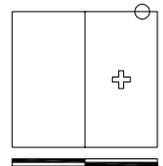
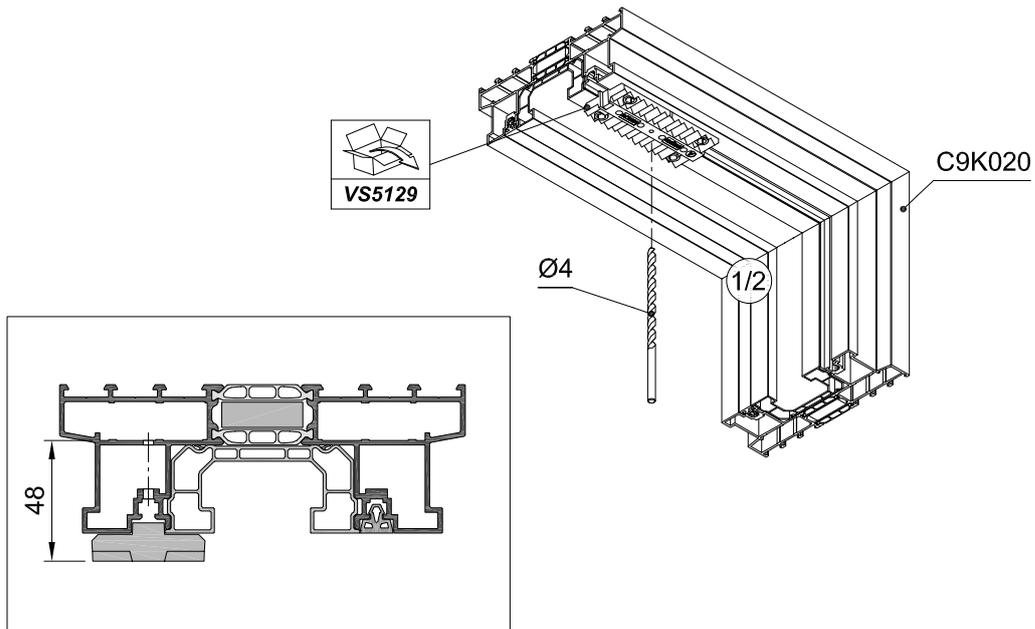
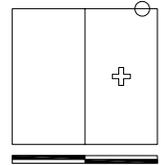
ANTA FISSA SCORREVOLE-FISSO - FORI PER GUIDE

3 / 10



SCORREVOLE-FISSO - VS5129 E BT6026

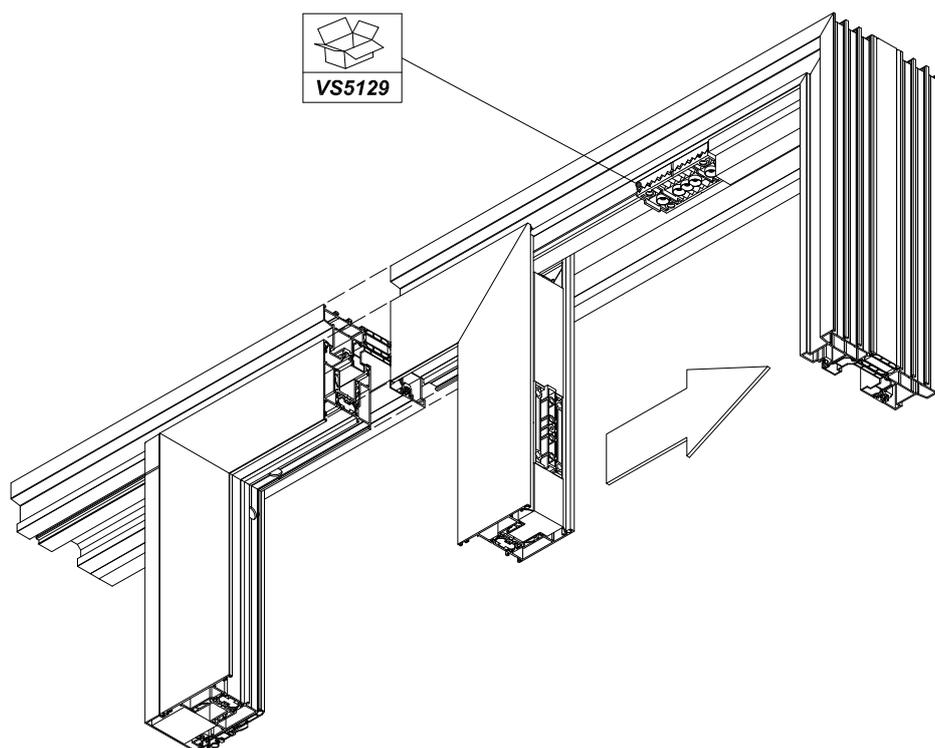
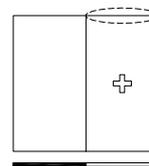
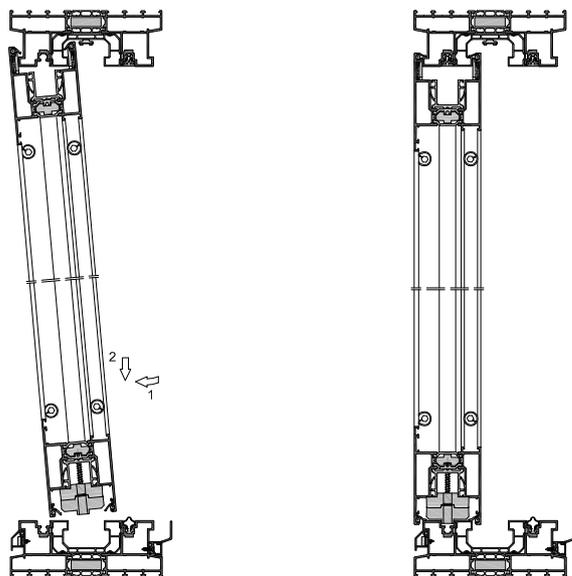
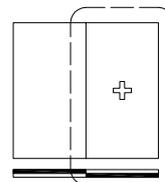
4 / 10



| | BT6026 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |

SCORREVOLE-FISSO - ASSEMBLAGGIO ANTA FISSA SU TELAI

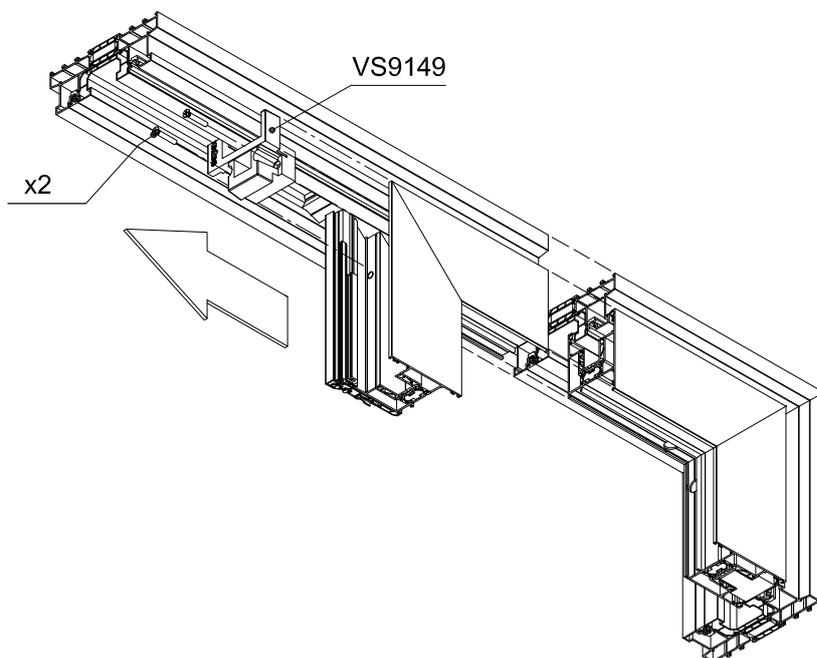
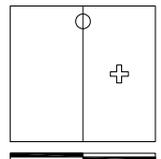
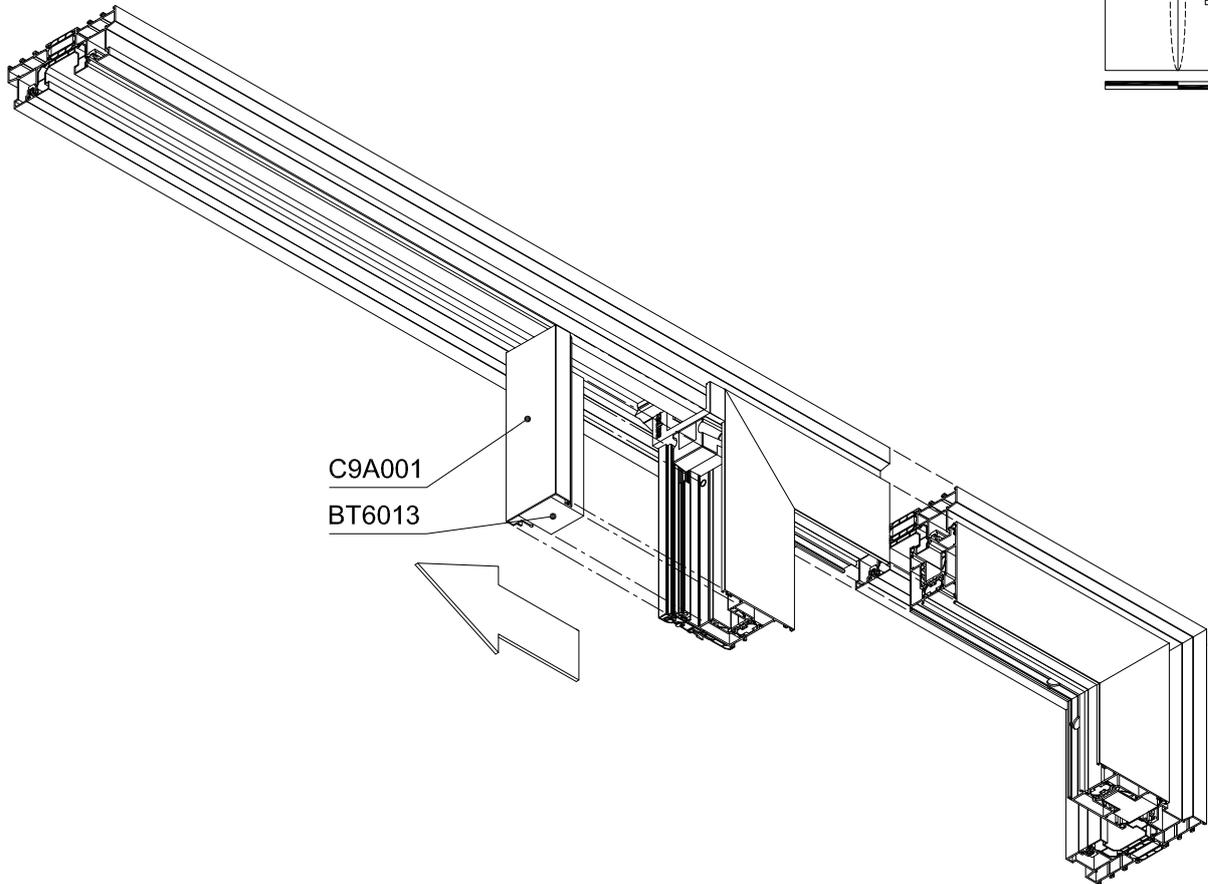
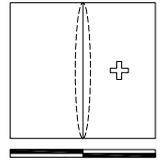
5 / 10



 **C160-ASS-2244L**

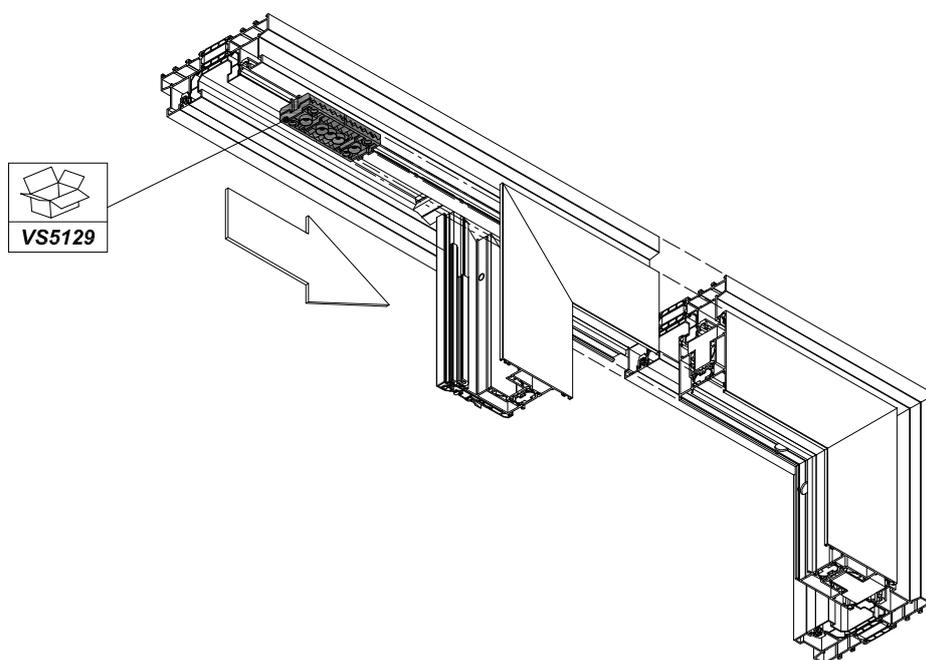
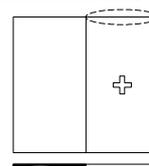
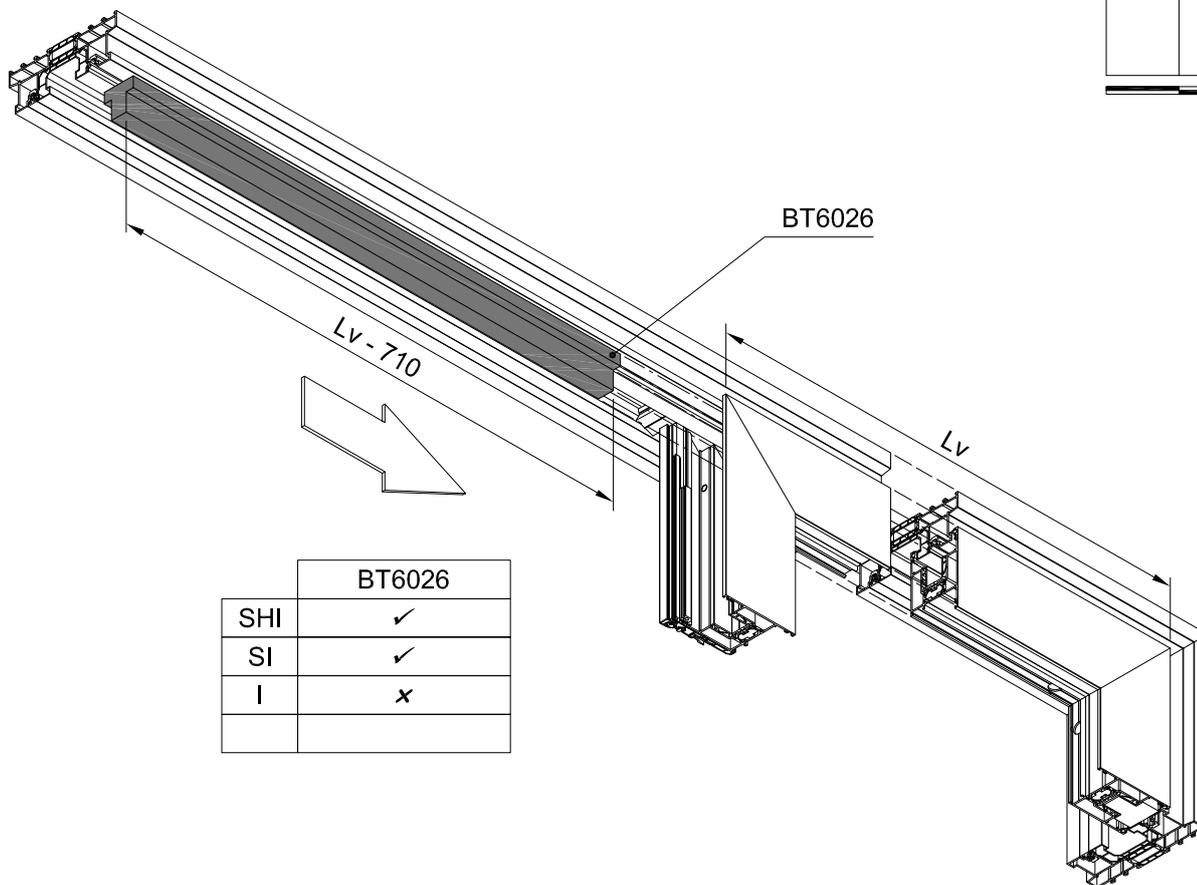
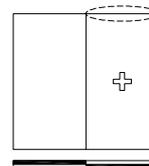
SCORREVOLE-FISSO - RIMOZIONE PROFILATO CARTELLINA

6 / 10



SCORREVOLE-FISSO - ASSEMBLAGGIO BT6026 E VS5129 SUPERIORE

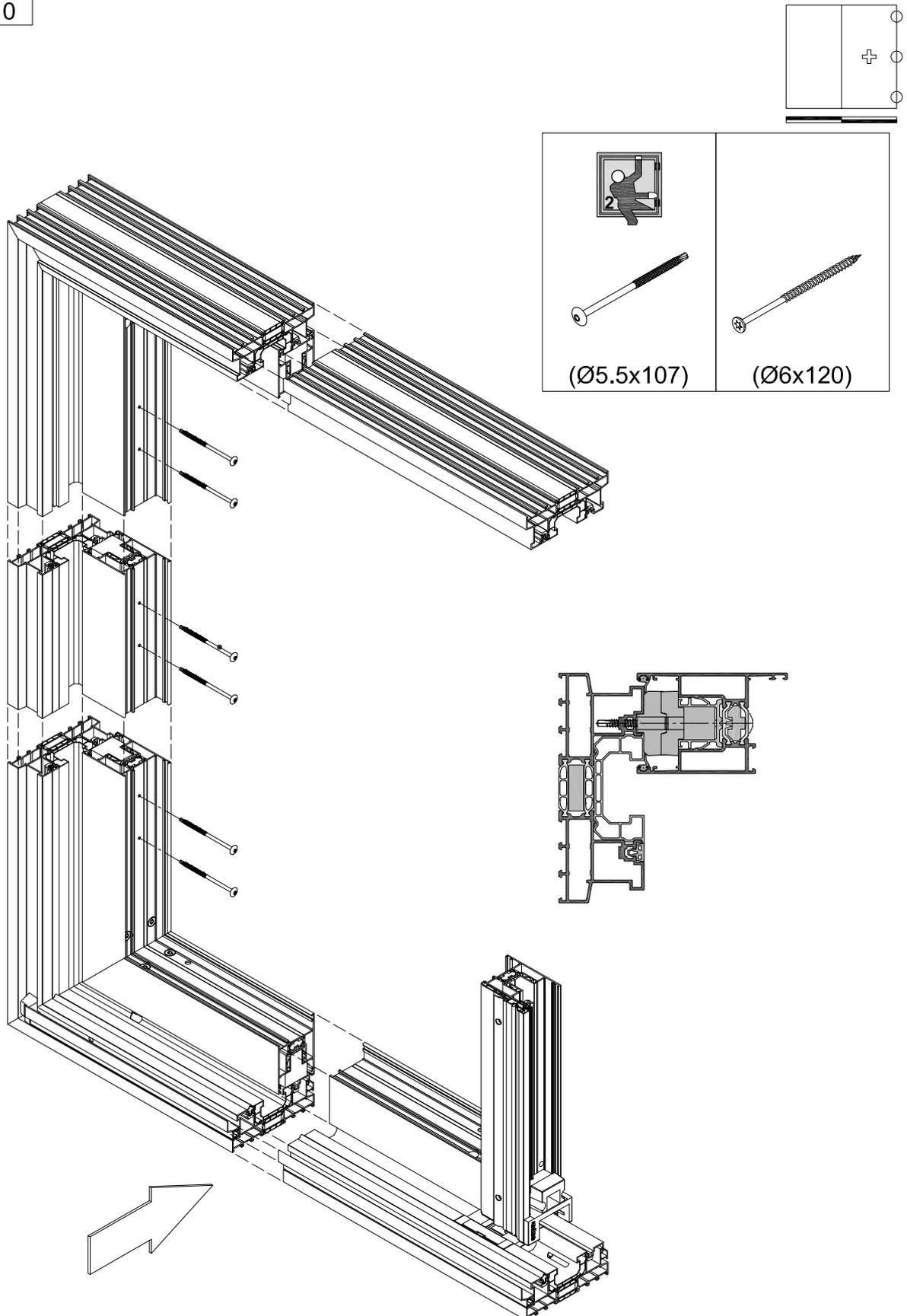
7 / 10



 **C160-ASS-2246L**

SCORREVOLE-FISSO - FISSAGGIO CON SCZ617

8 / 10

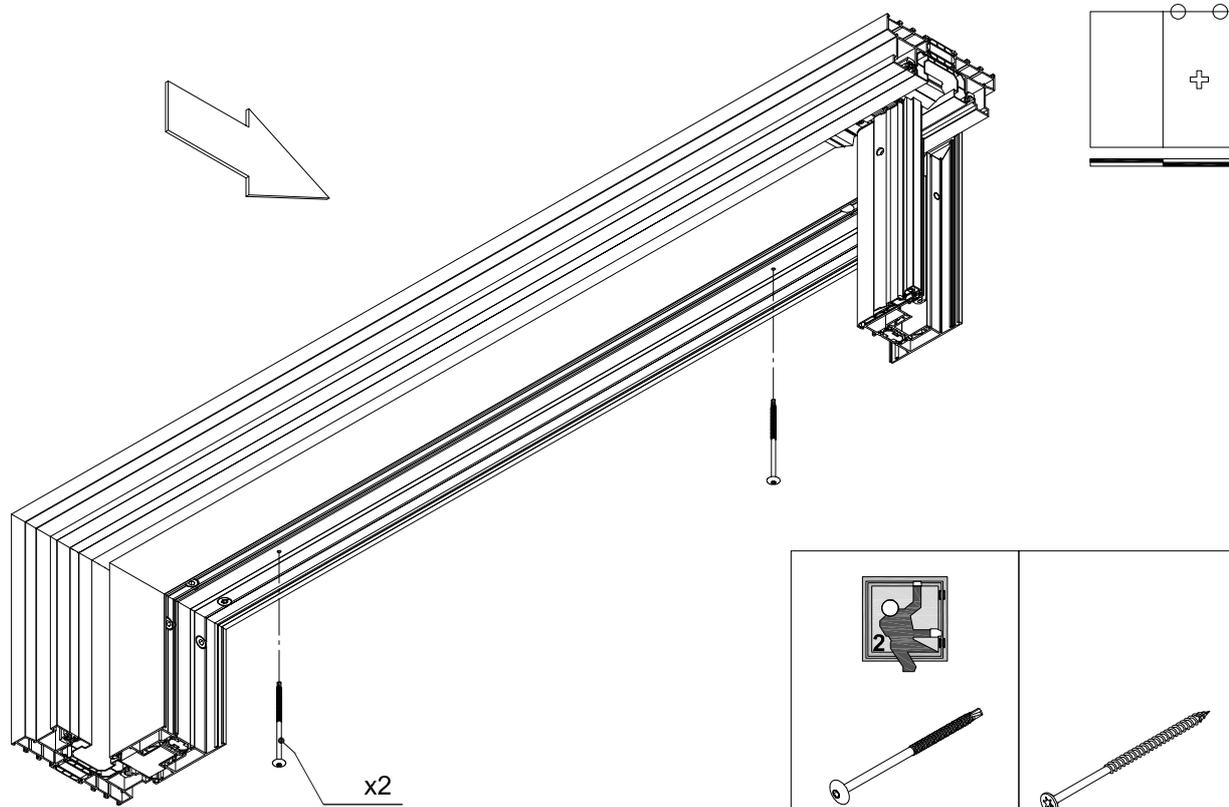
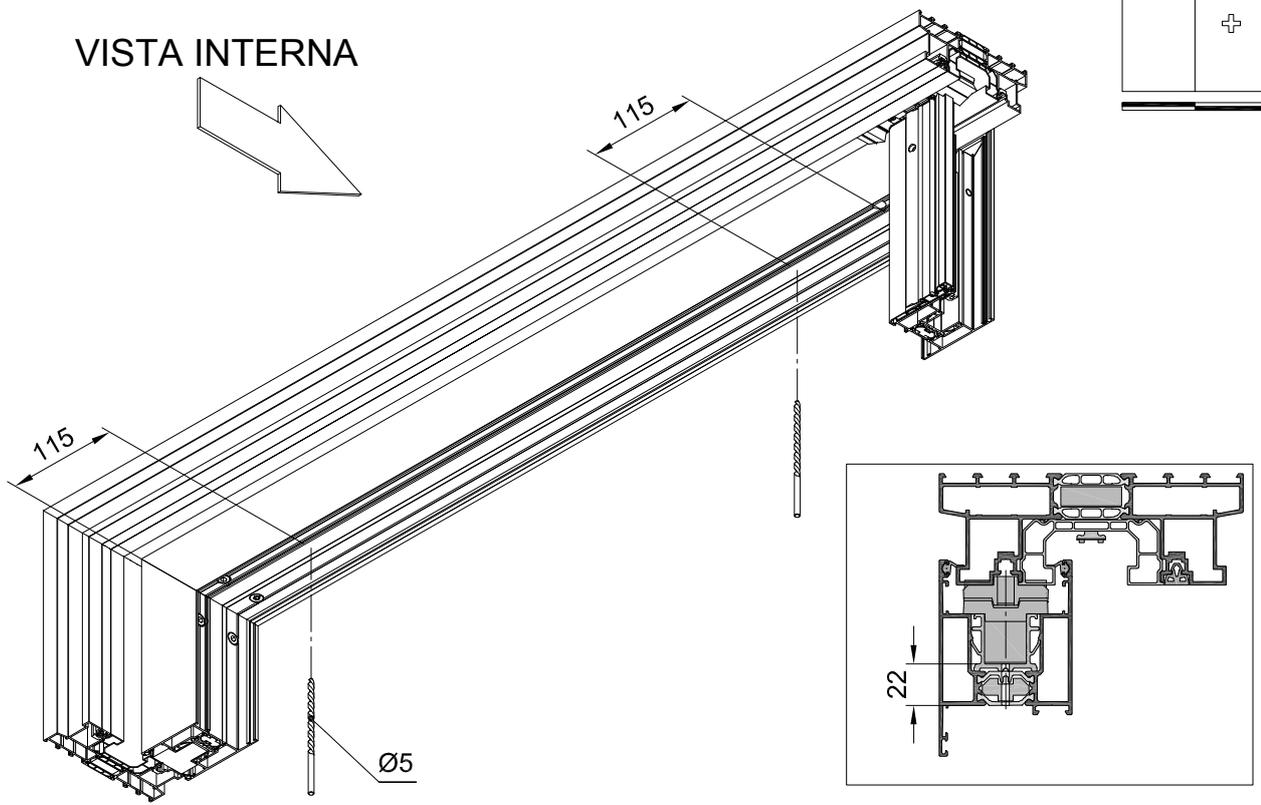


 C160-ASS-2247

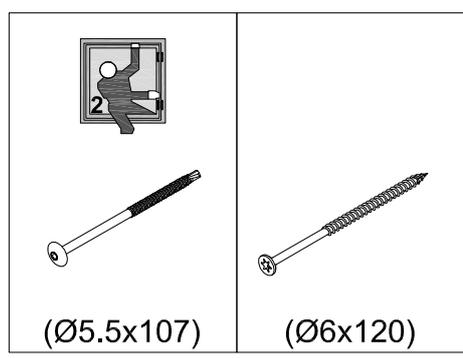
SCORREVOLE-FISSO - FISSAGGIO CON SCZ617

9 / 10

VISTA INTERNA



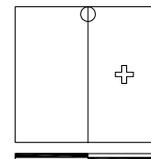
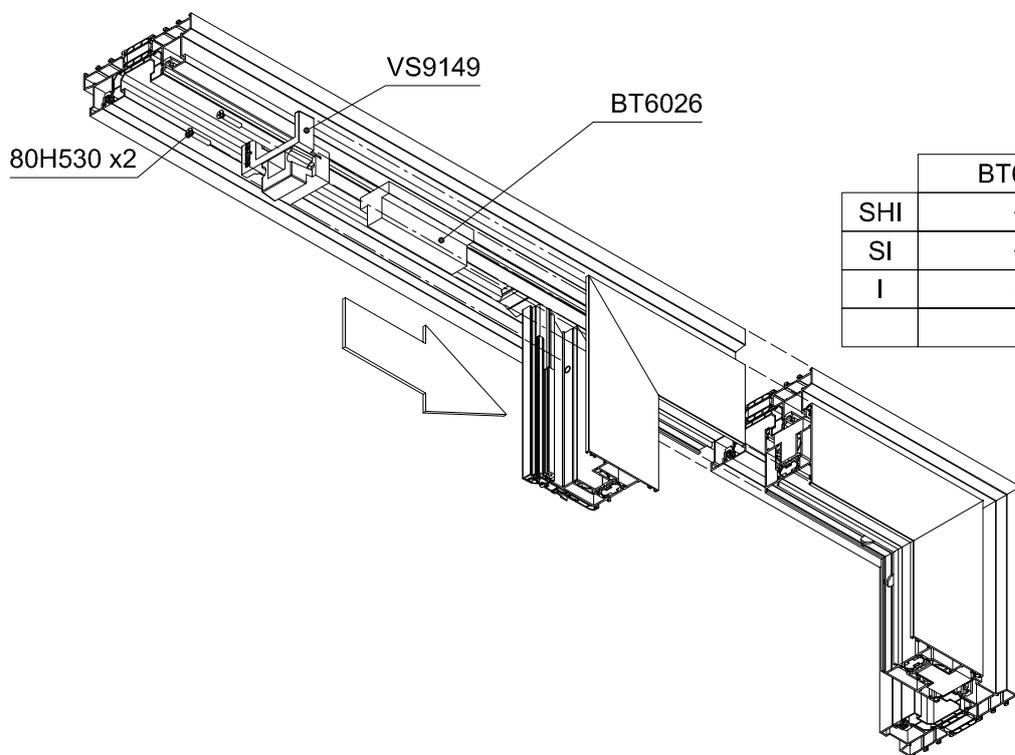
 **C160-ASS-2248**



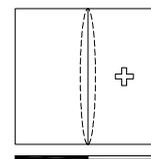
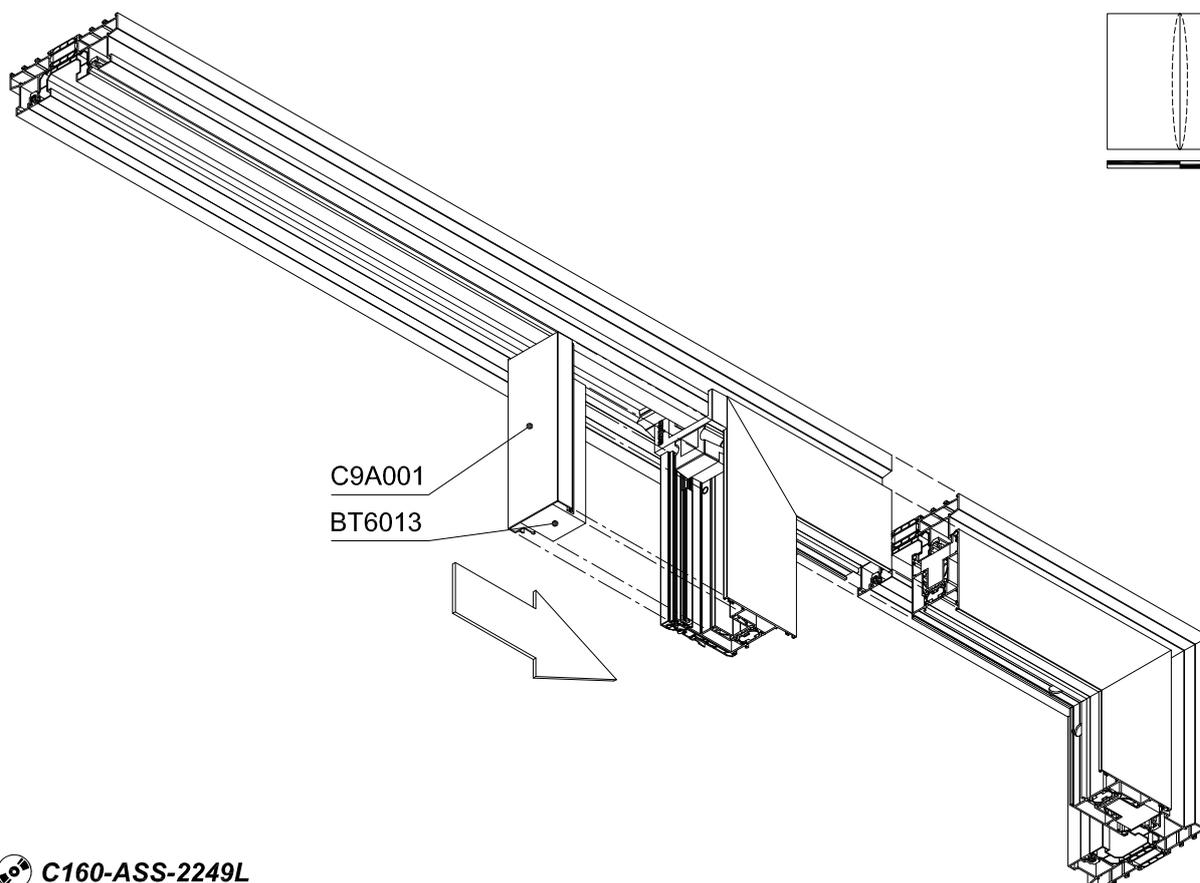
INSTALLAZIONE ANTE SU TELAI

SCORREVOLE-FISSO - BASE TAPPO DI TENUTA E CARTELLINA ANTA

10 / 10

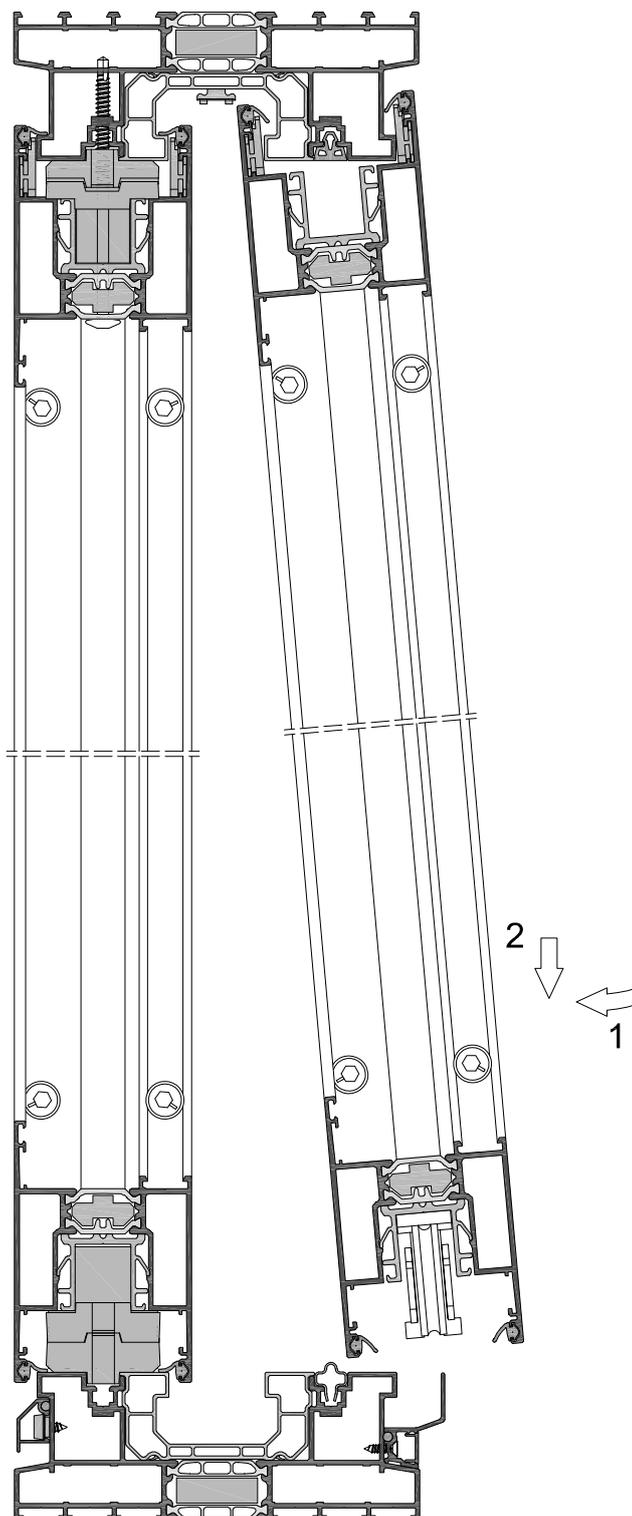
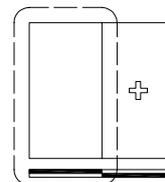


| | BT6026 |
|-----|--------|
| SHI | ✓ |
| SI | ✓ |
| I | x |
| | |



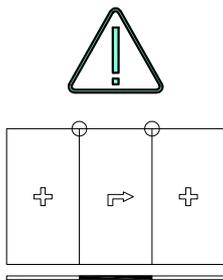
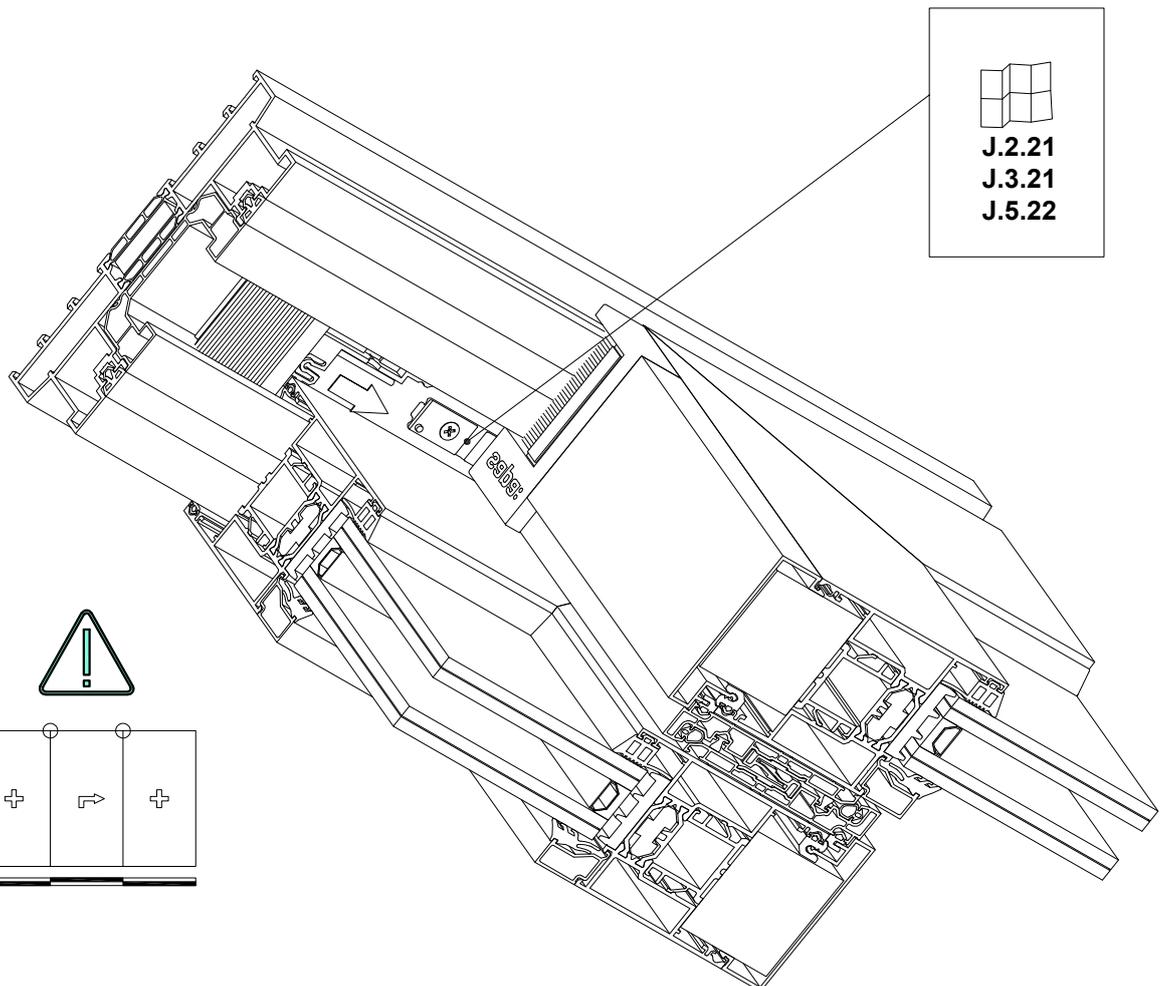
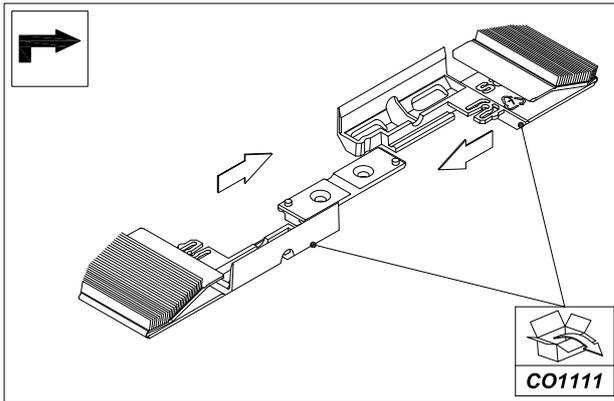
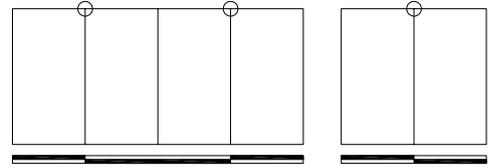
C160-ASS-2249L

SCORREVOLE-FISSO - POSIZIONAMENTO ANTA APRIBILE SUL TELAIO



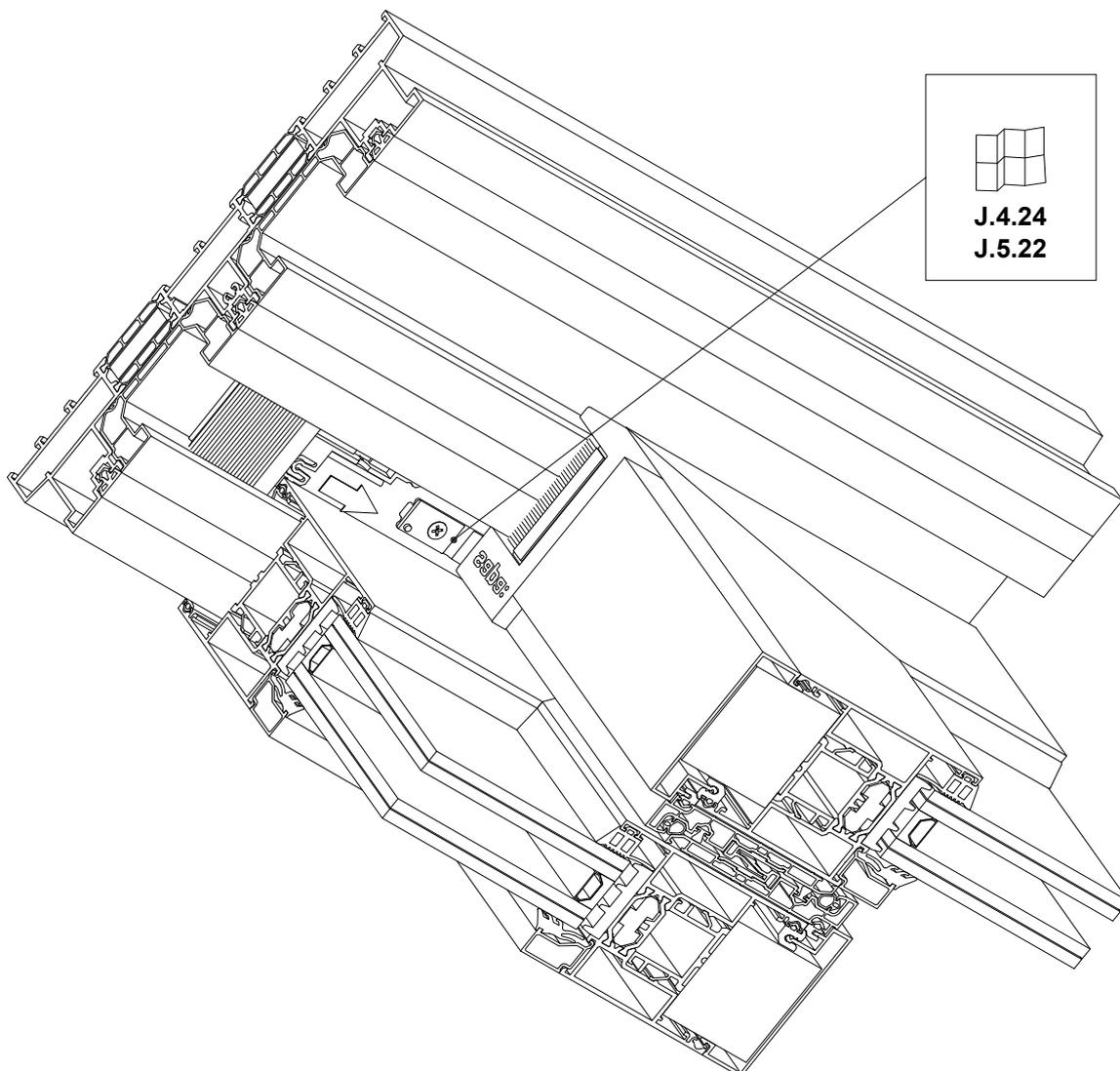
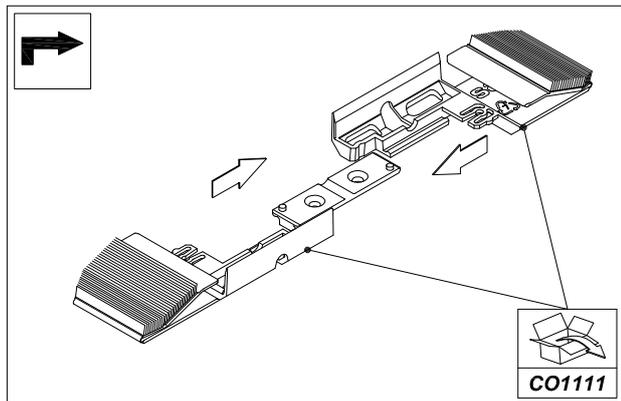
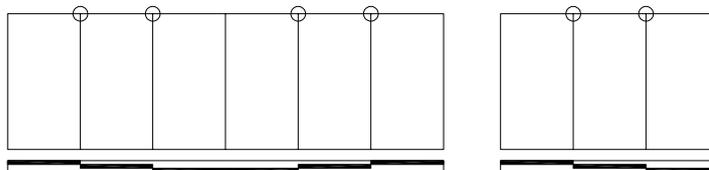
ASSEMBLAGGIO TAPPO DI TENUTA SUPERIORE- 2-BINARI TELAI

1 / 2



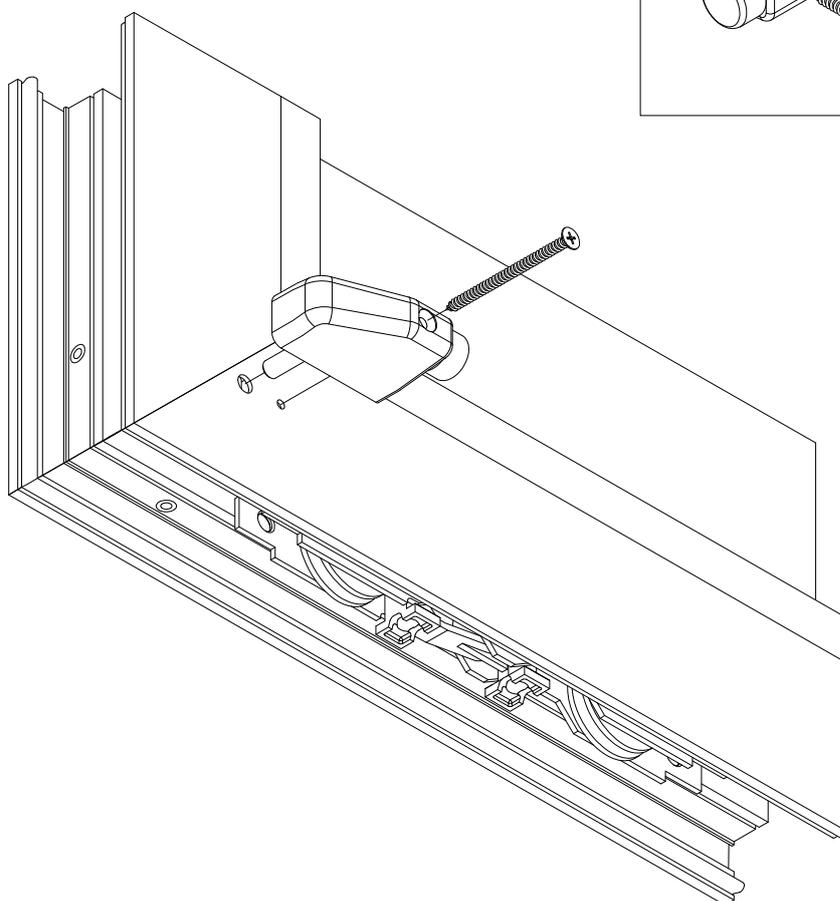
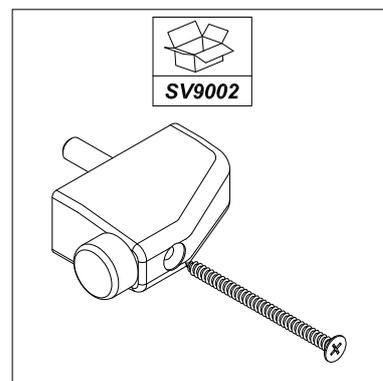
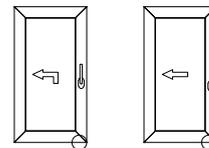
ASSEMBLAGGIO TAPPO DI TENUTA SUPERIORE- 3-BINARI TELAI

2 / 2



ASSEMBLAGGIO SV9002

| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |

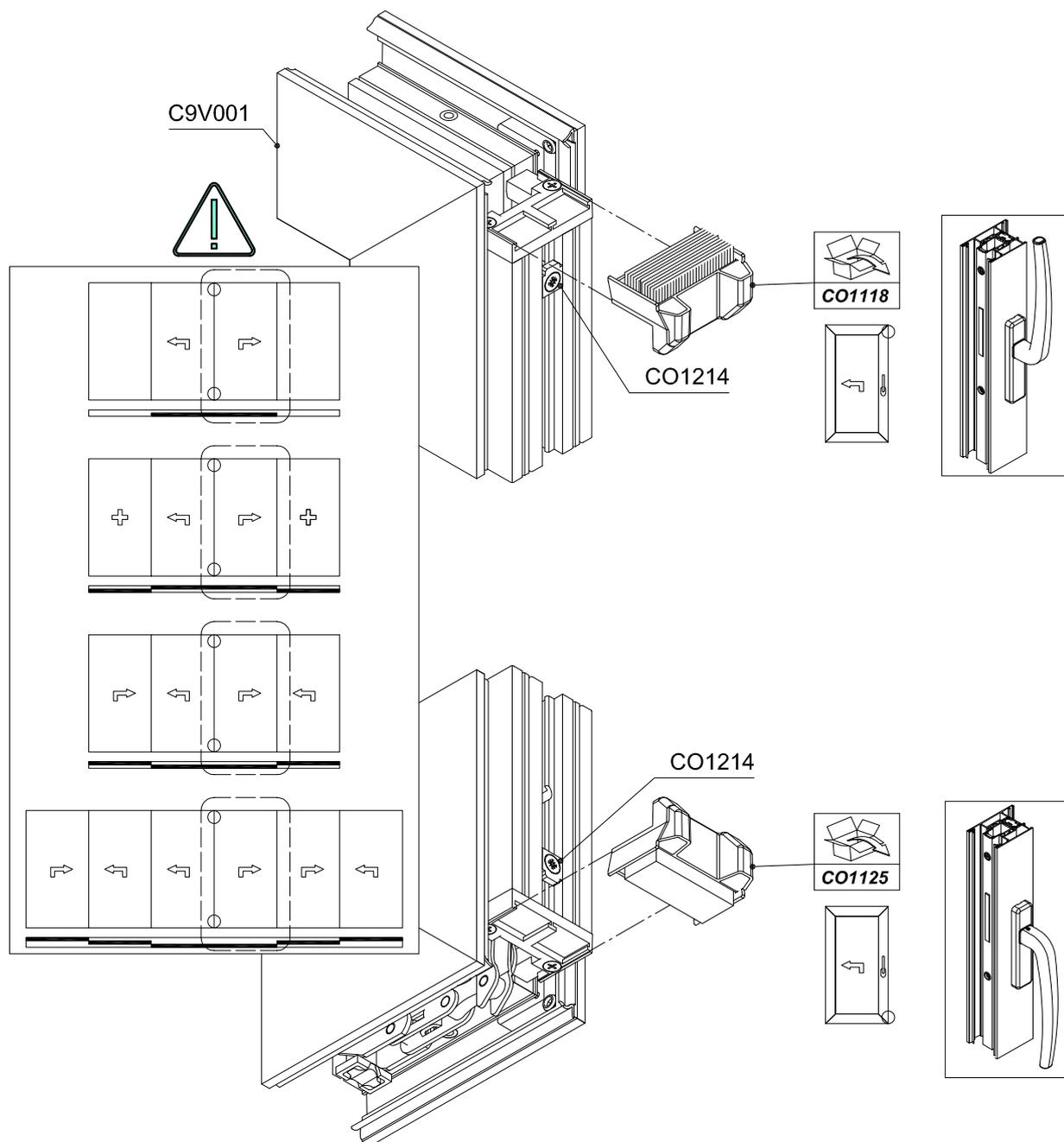
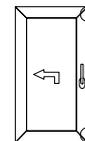


CONTENUTO

| | |
|---|--------|
| Operazioni finitura ante..... | J.13.1 |
| Contenuto..... | J.13.1 |
| Anta passiva schema 4 ante - tappo di tenuta..... | J.13.2 |
| Anta passiva schema 4 ante - fissaggio tappo di tenuta..... | J.13.3 |
| Anta passiva schema 4 ante - posizionamento incontri di chiusura..... | J.13.4 |
| Anta passiva schema 4 ante - installazione guarnizione di finitura RU9704..... | J.13.5 |
| Inserimento finale tappo di tenuta ante alzante-scorrevole..... | J.13.6 |
| Inserimento finale tappo di tenuta ante alzante-scorrevole - Speciale 3-binari..... | J.13.7 |
| Inserimento finale tappo di tenuta ante alzante-scorrevole - Speciale..... | J.13.8 |

ANTA PASSIVA SCHEMA 4 ANTE - TAPPO DI TENUTA

1 / 2

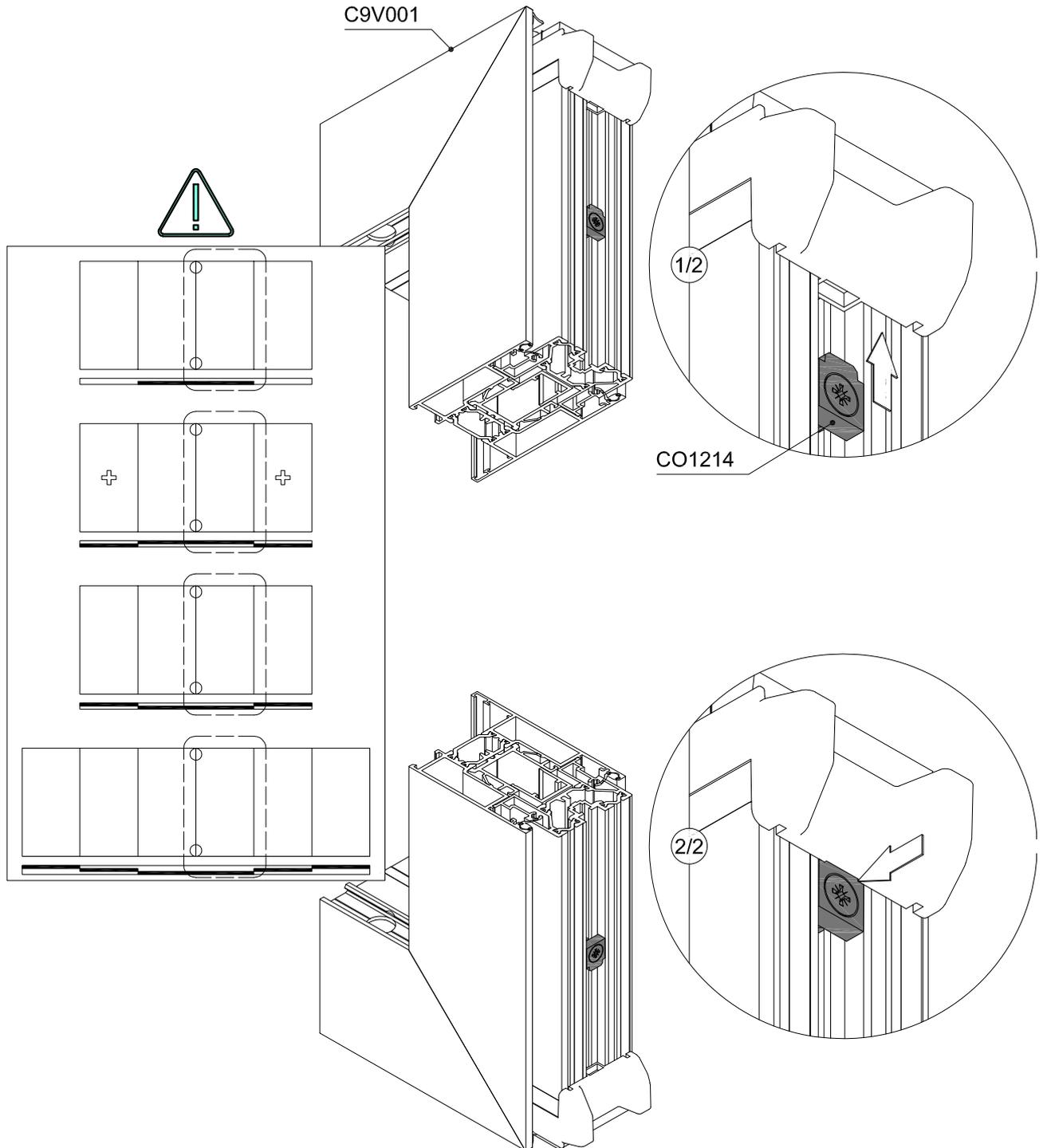
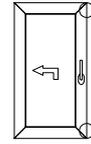


ANTA PASSIVA SCHEMA 4 ANTE - FISSAGGIO TAPPO DI TENUTA

2 / 2



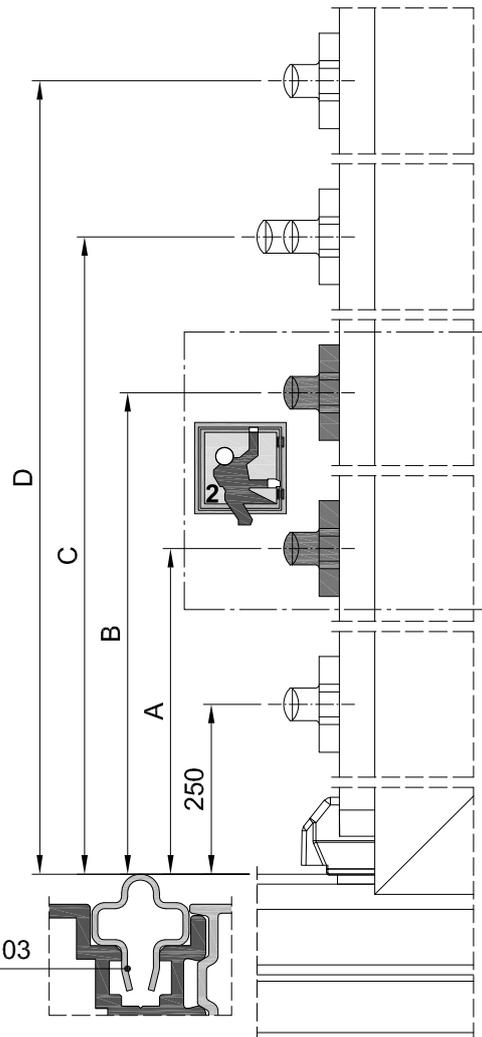
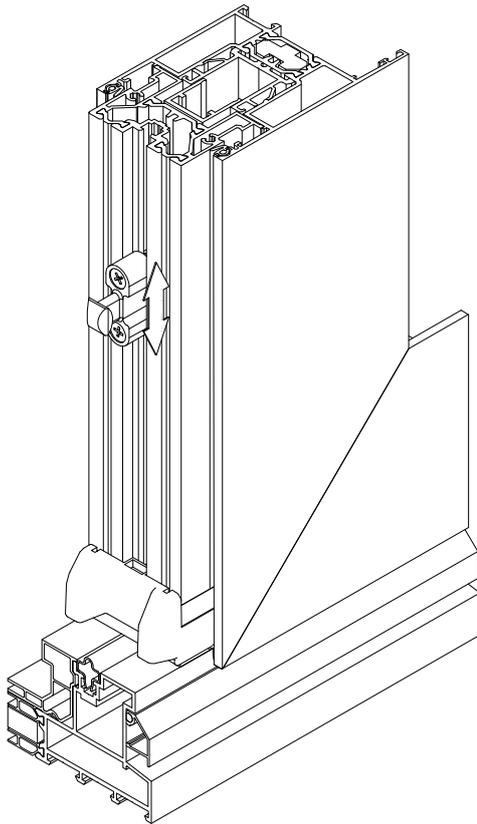
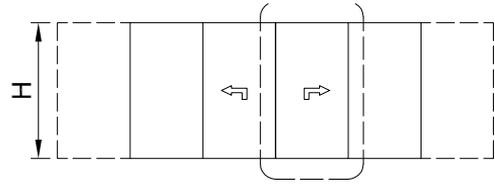
J.10.26
J.10.28



ANTA PASSIVA SCHEMA 4 ANTE - POSIZIONAMENTO INCONTRI DI CHIUSURA



J.10.27



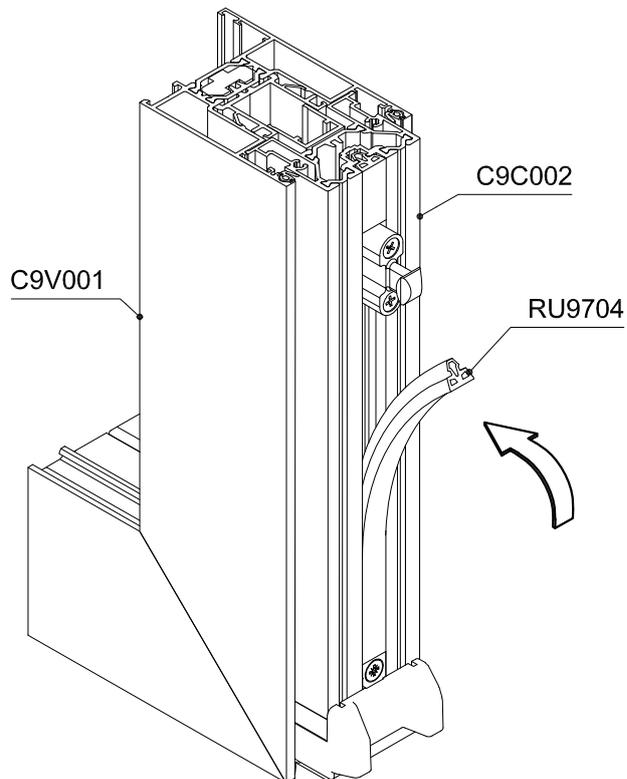
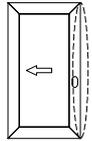
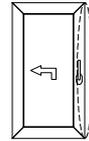
| Hv | |
|---------|--|
| H - 100 | C9K012 C9K020 C9K021 C9K022 C9K023 C9K030 C9K120/C9K121 C9K130/C9K131 |
| H - 82 | C9K010 |
| H - 88 | C9K100/C9K120/C9K121 |

| | Hv | |  | | | |
|---|-------------|-----------------|--|------|------|----------|
| | | | A | B | C | D |
|  | 2010 - 2309 | ZB0034 | 750 | 1200 | 1600 | Hv - 271 |
| | 2310 - 2609 | ZB0035 | | | 1900 | |
| | 2610 - 2909 | ZB0036 | | | 2200 | |
| | 2910 - 3209 | ZB0035 + ZB0046 | | | 1900 | |
| | 3210 - 3509 | ZB0036 + ZB0046 | | | 2200 | |
|  | 1312 - 2009 | ZB0033 | | 600 | 1000 | |

 **C160-ASS-2202**

ANTA PASSIVA SCHEMA 4 ANTE - INSTALLAZIONE GUARNIZIONE DI FINITURA RU9704

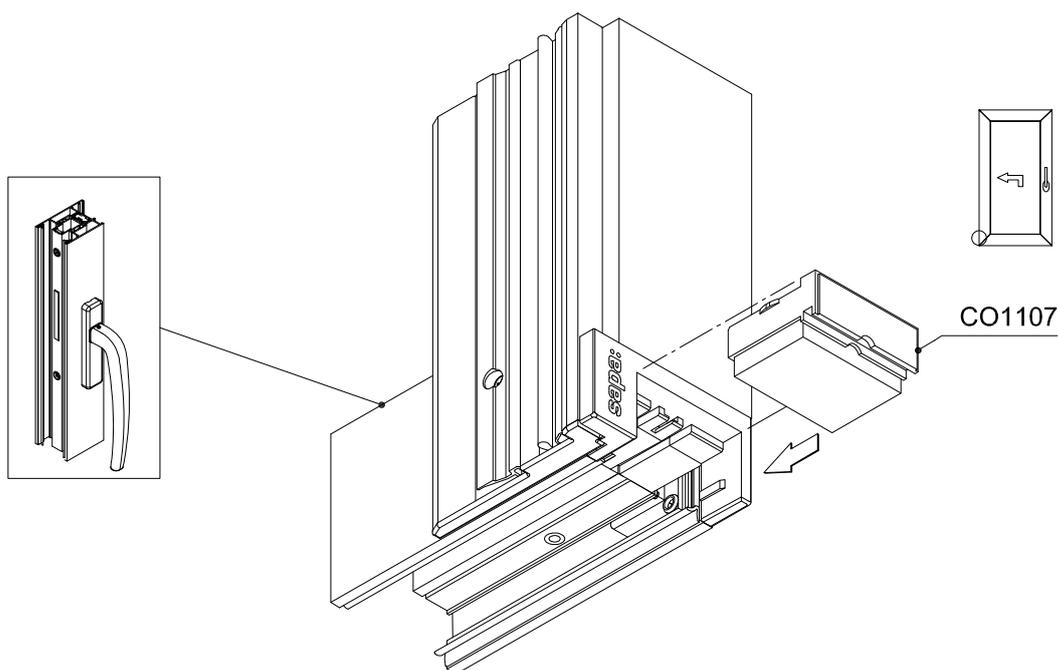
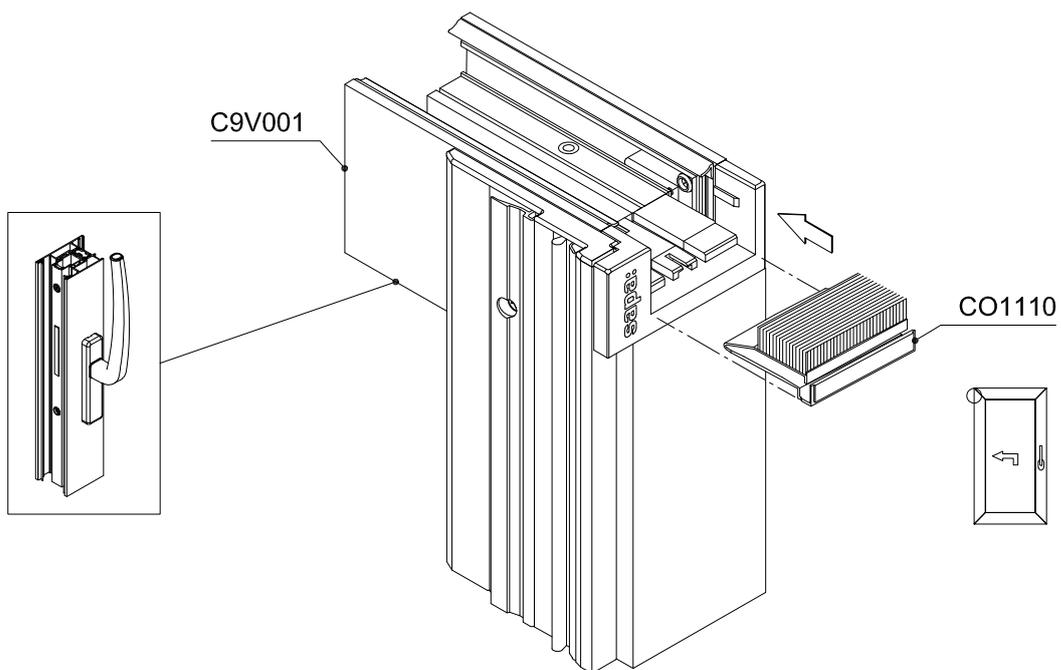
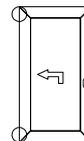
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |



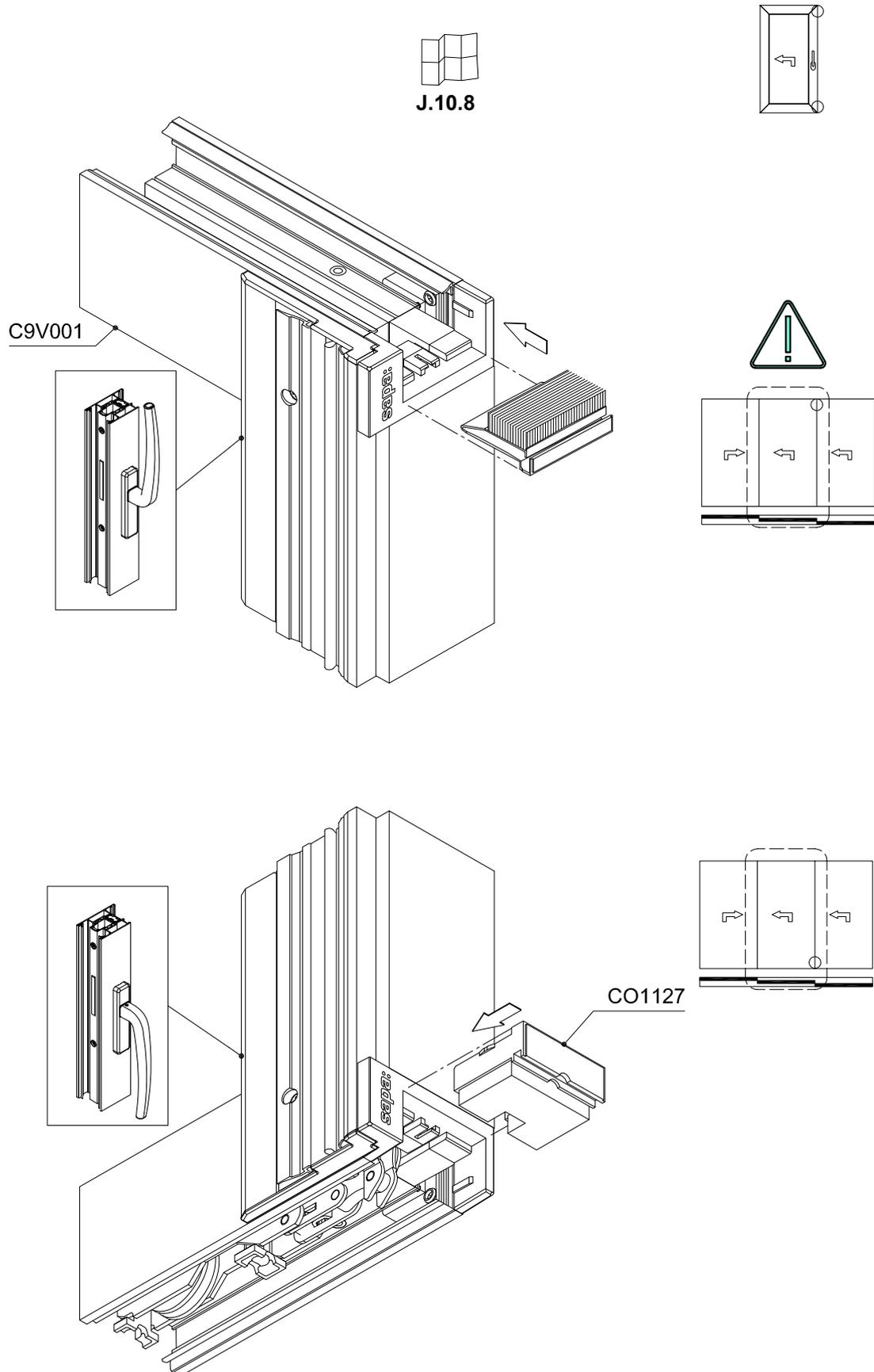
INSERIMENTO FINALE TAPPO DI TENUTA ANTE ALZANTE-SCORREVOLE



J.10.4



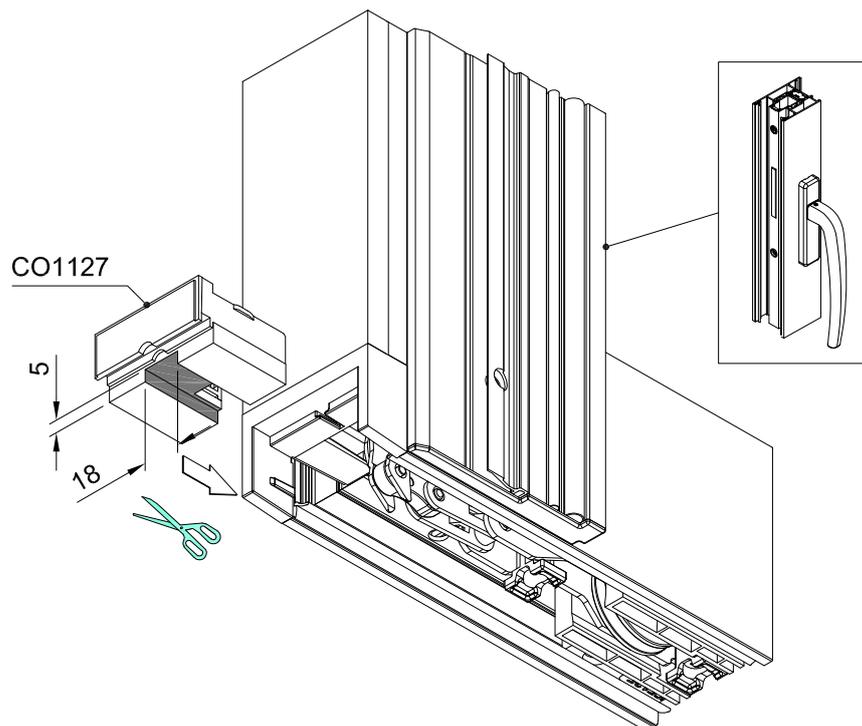
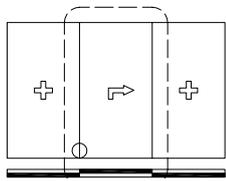
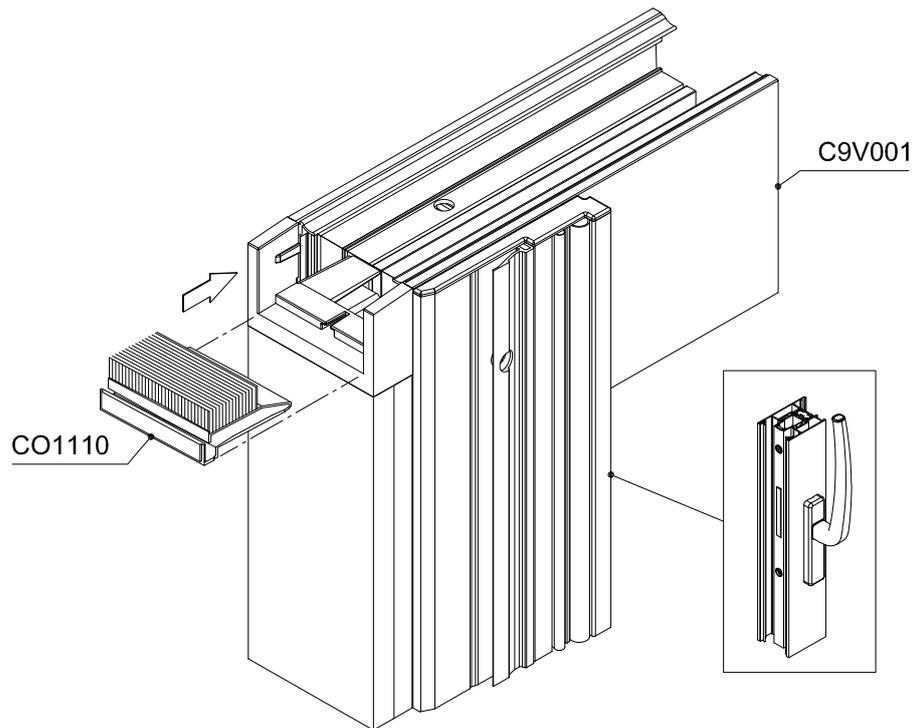
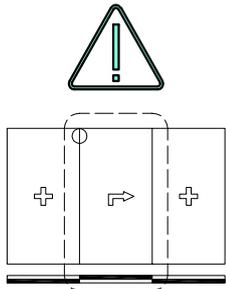
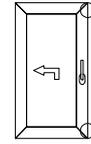
INSERIMENTO FINALE TAPPO DI TENUTA ANTE ALZANTE-SCORREVOLE - SPECIALE 3-BINARI



INSERIMENTO FINALE TAPPO DI TENUTA ANTE ALZANTE-SCORREVOLE - SPECIALE

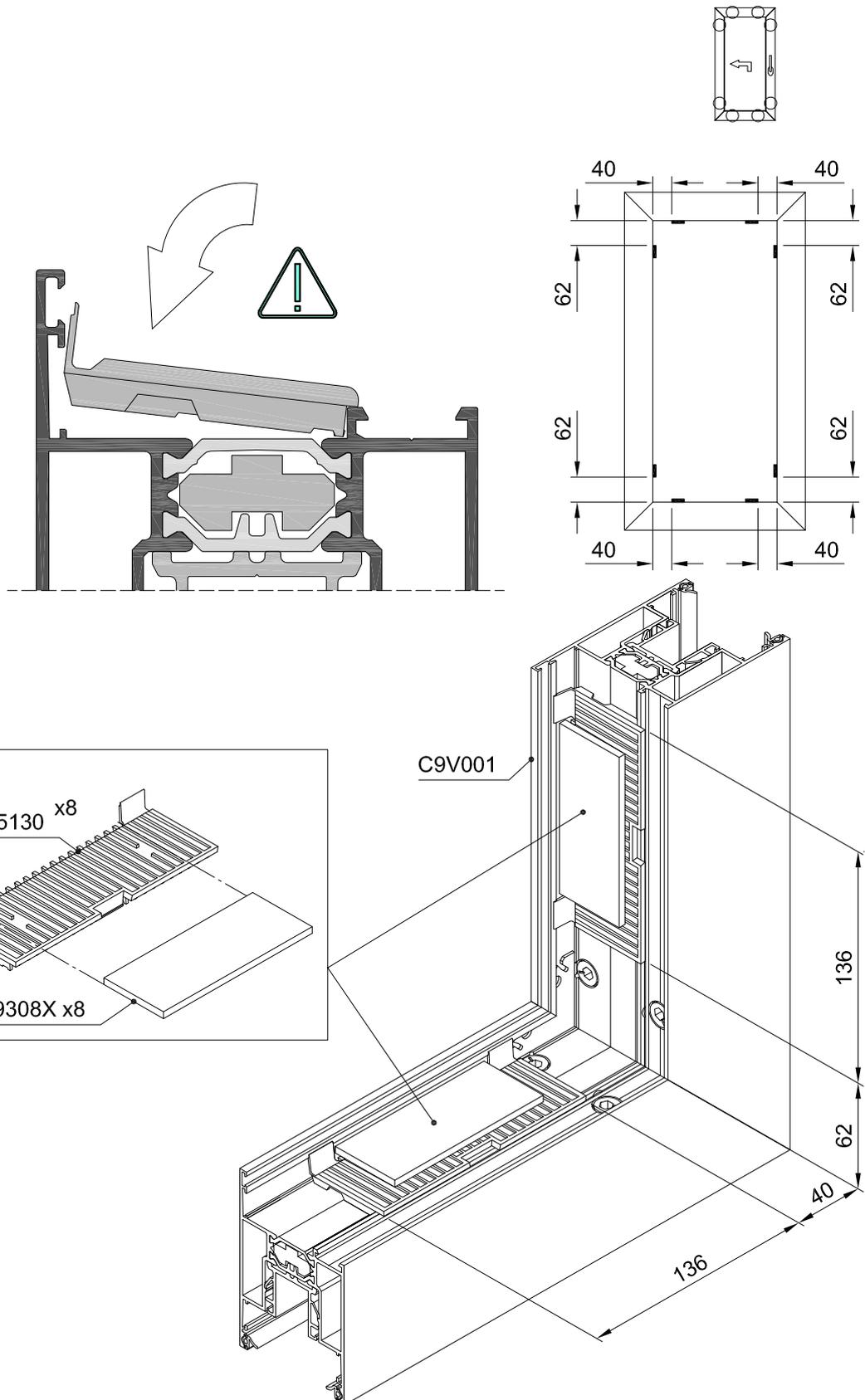


J.10.12



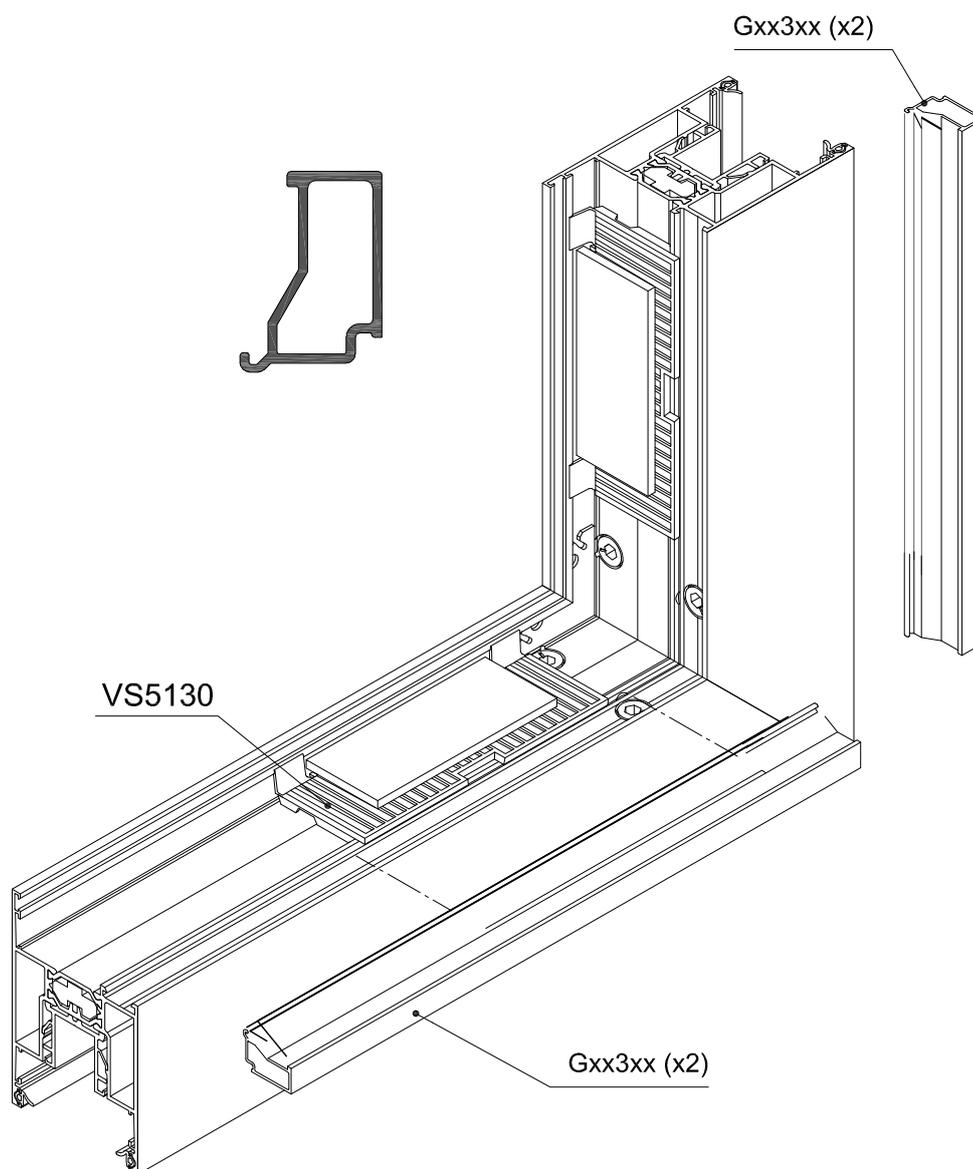
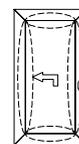
ASSEMBLAGGIO SUPPORTI VETRO VS5130

1 / 5



MONTAGGIO FERMAVETRO PER USO CON VS5130

2 / 5

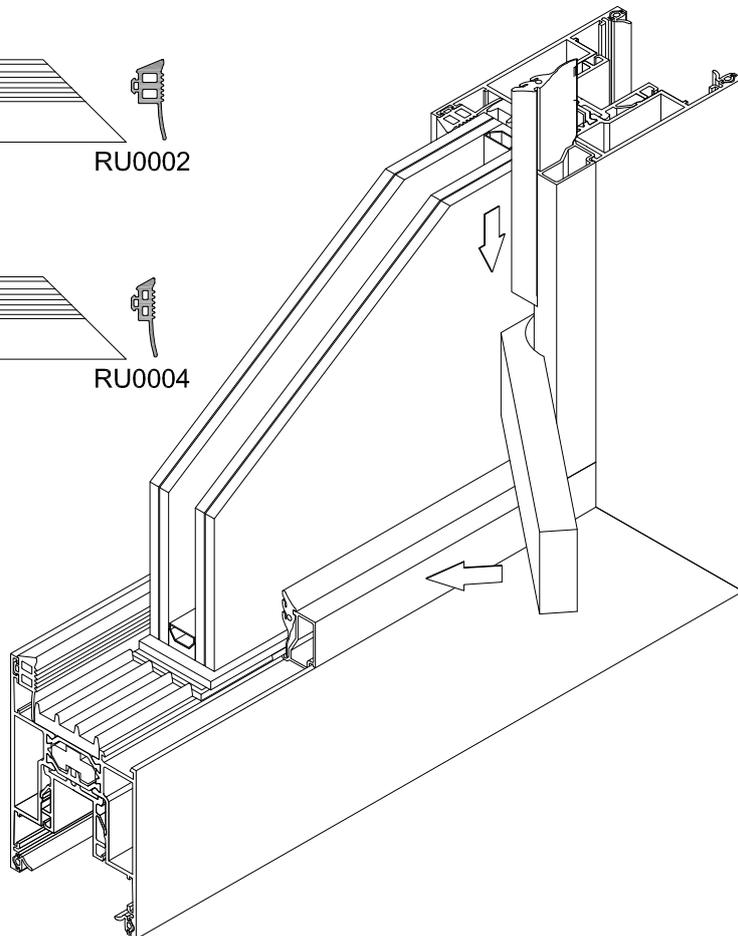
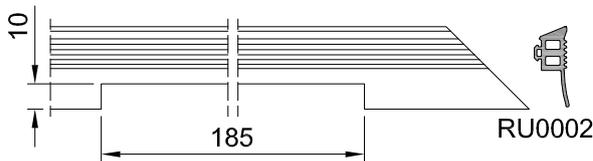
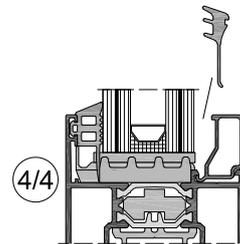
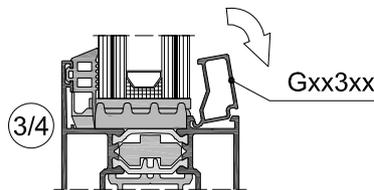
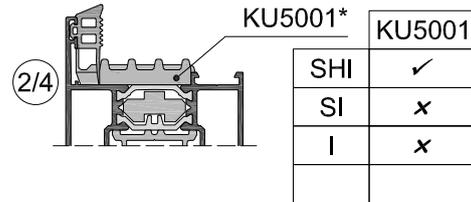
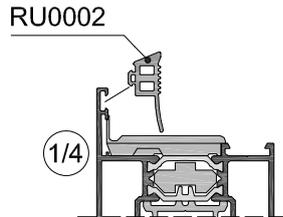
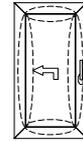


VETRATURA ANTE

VETRATURA VERSIONE SHI CON RU0002/RU0004

3 / 5

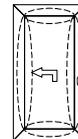
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| |



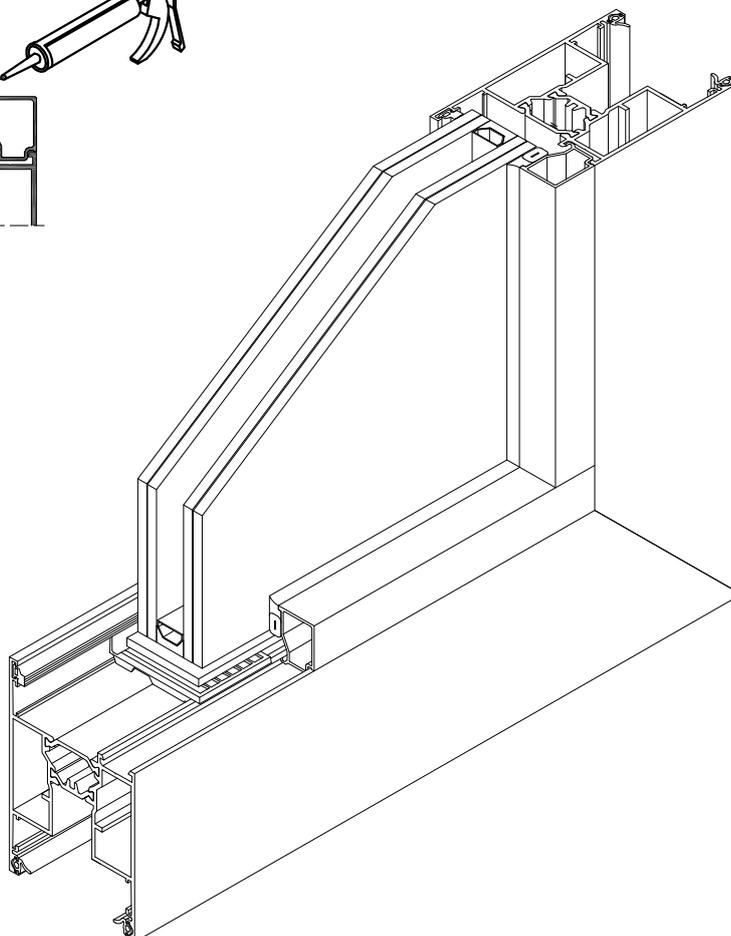
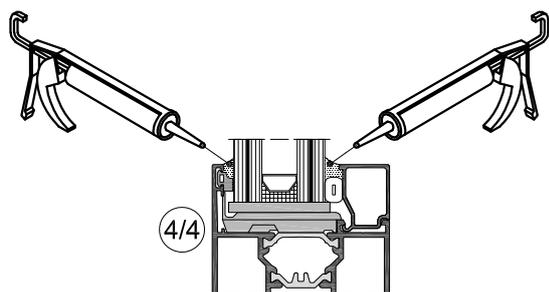
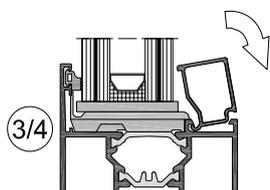
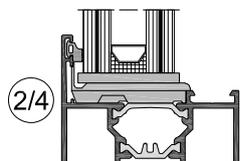
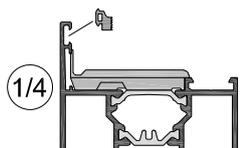
VETRATURA BASE CON 210-033

5 / 5

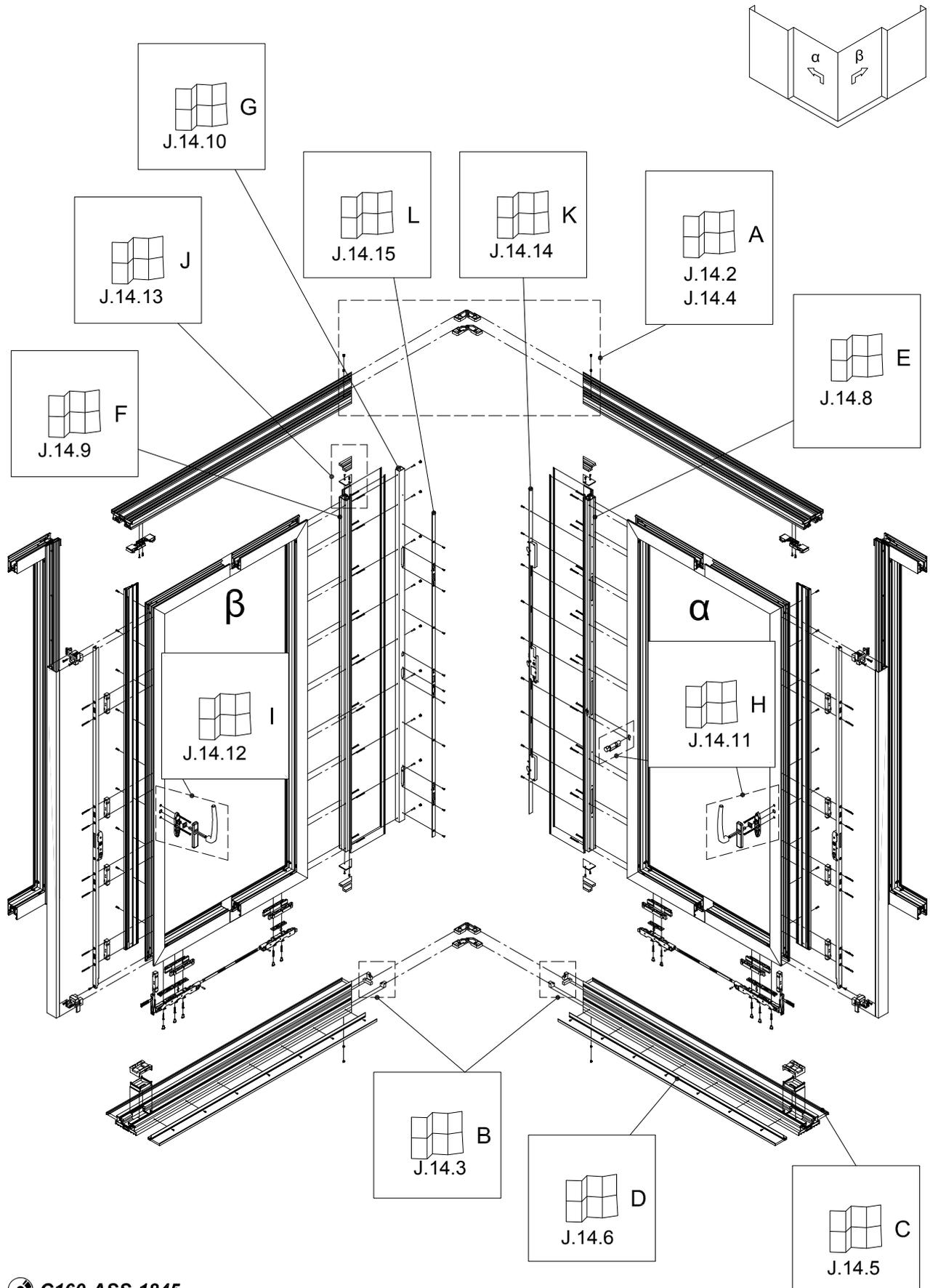
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |



| |
|------|
| -SH- |
| -SI- |
| -I- |
| |



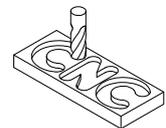
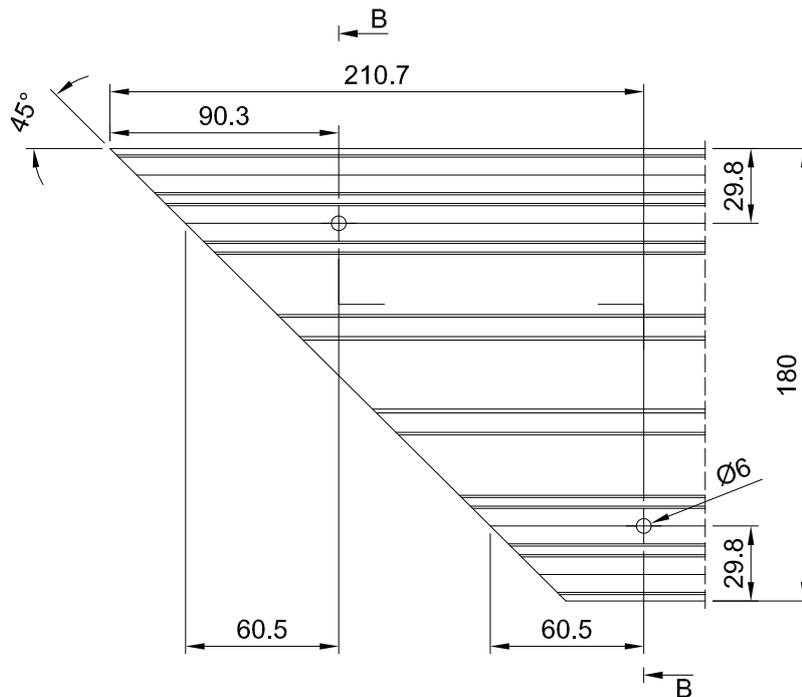
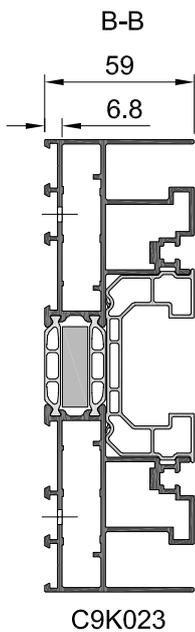
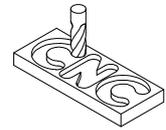
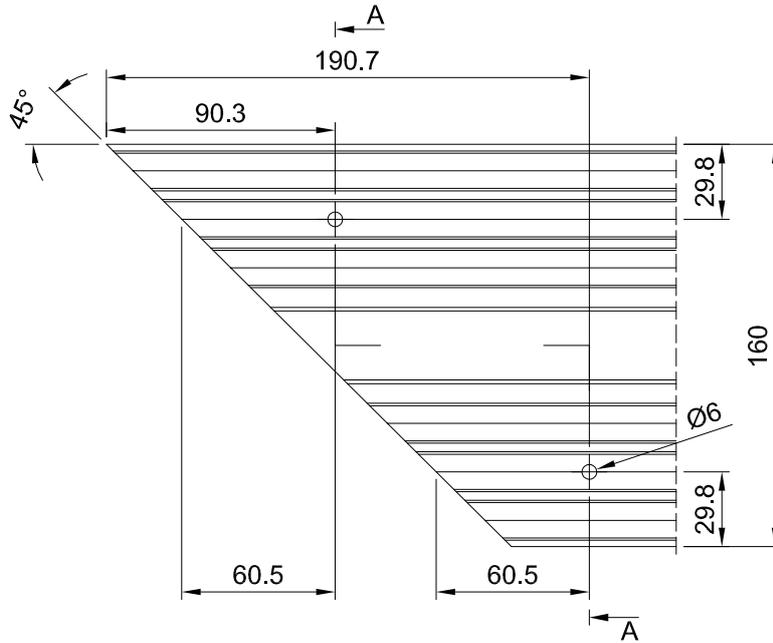
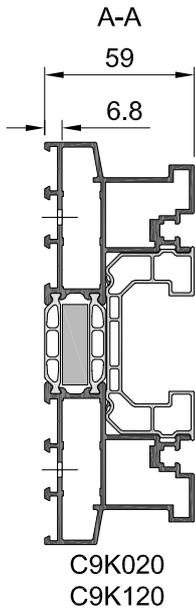
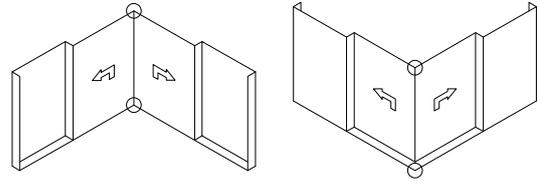
PANORAMICA - INTERNO



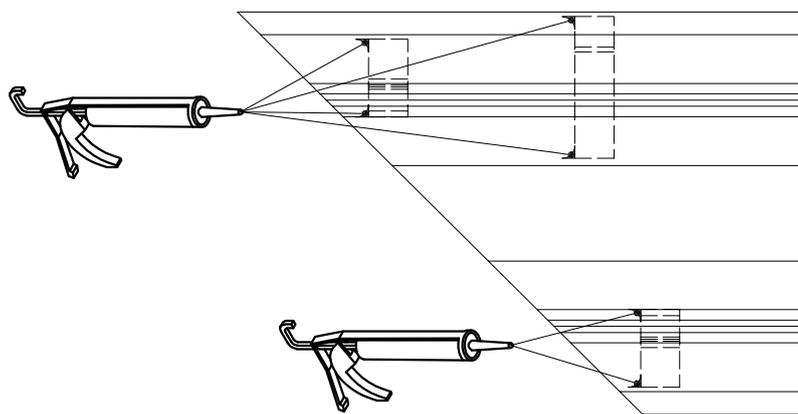
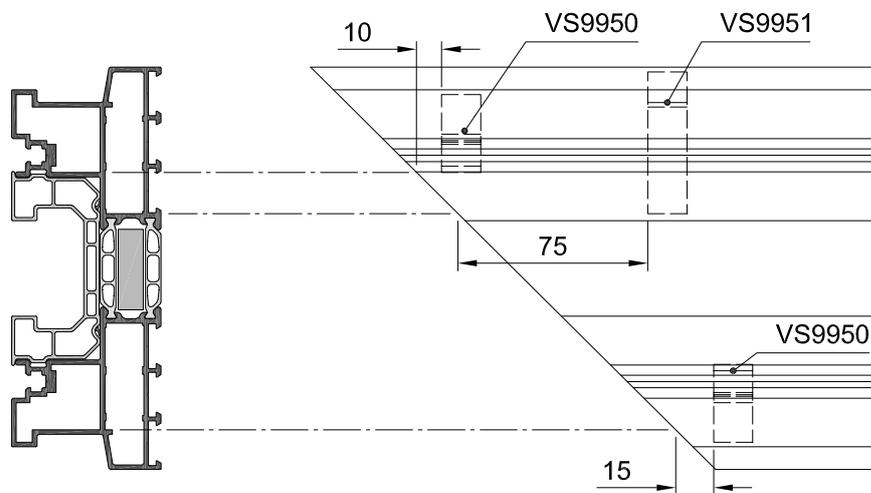
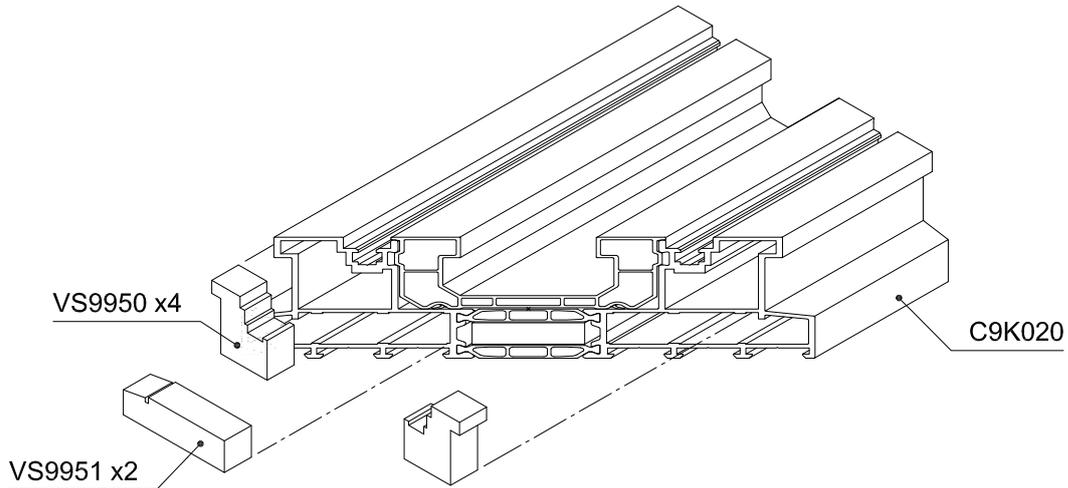
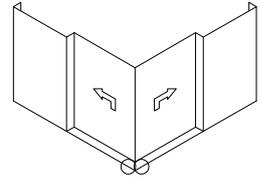
2-BINARI - OPERAZIONI TELAIO



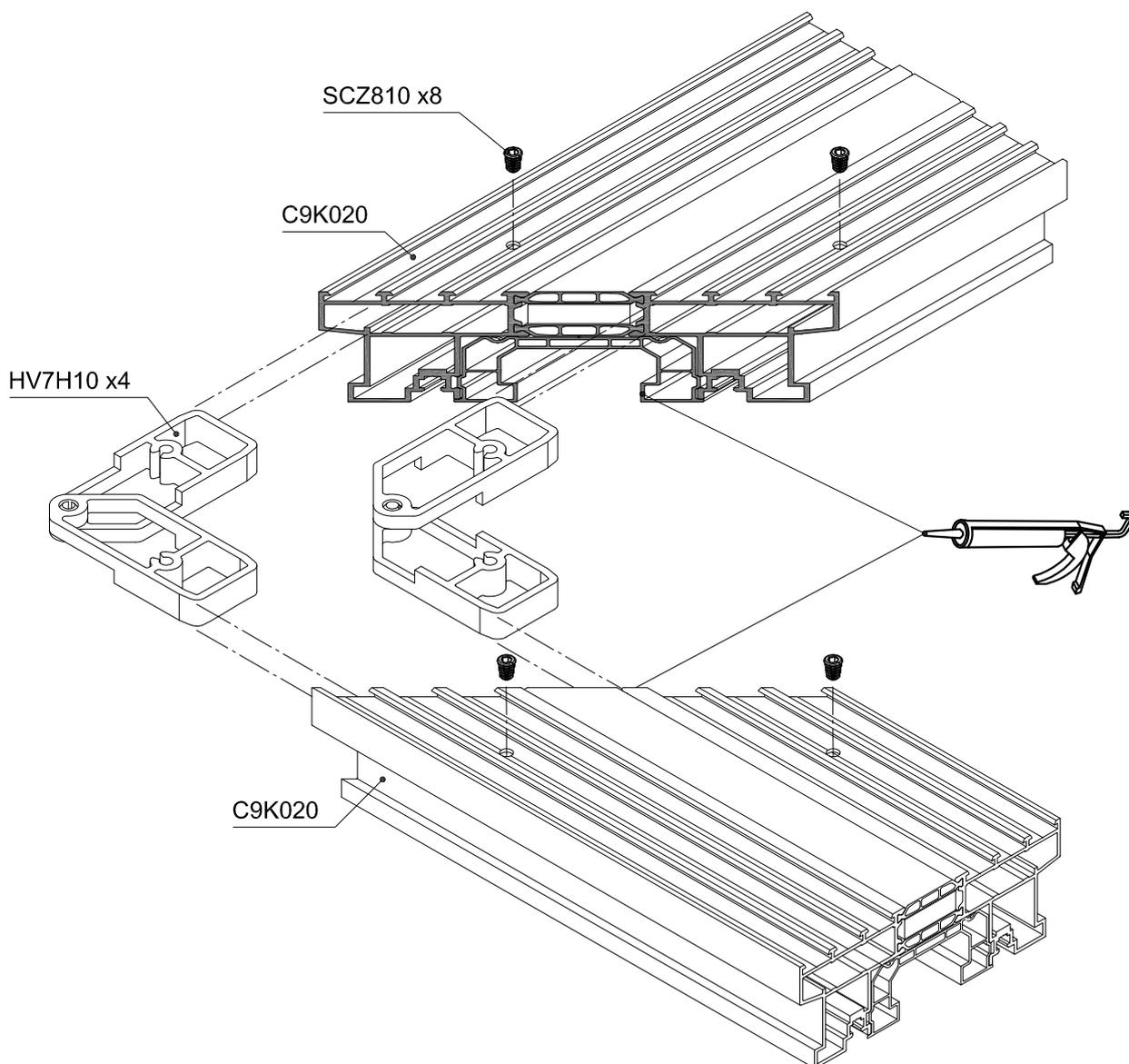
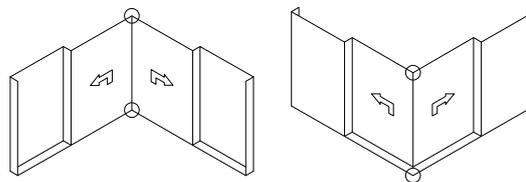
SCZ810



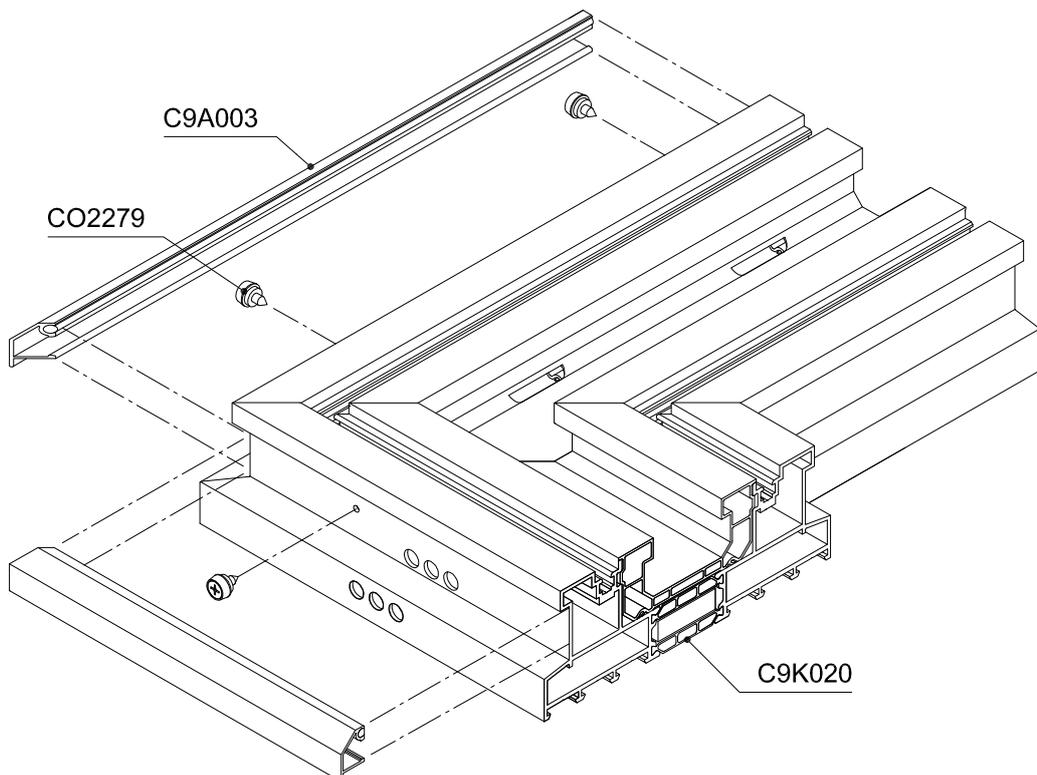
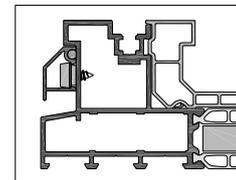
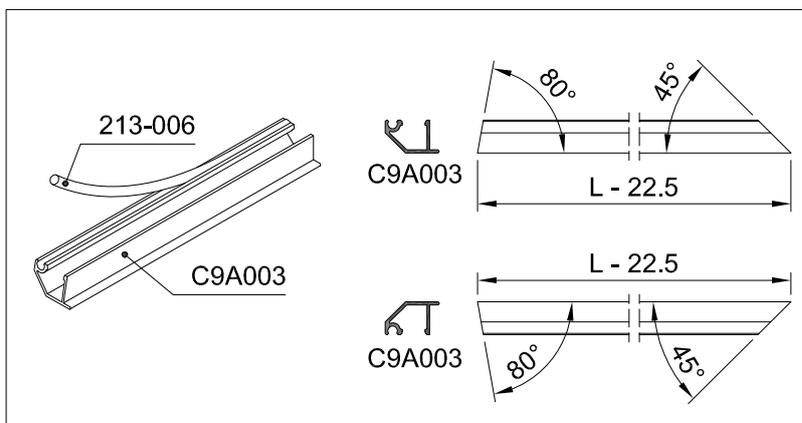
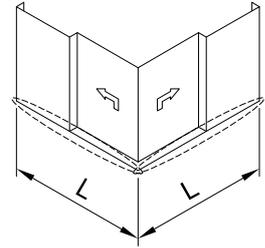
2-BINARI - ASSEMBLAGGIO TELAIO



2-BINARI - ASSEMBLAGGIO TELAIO

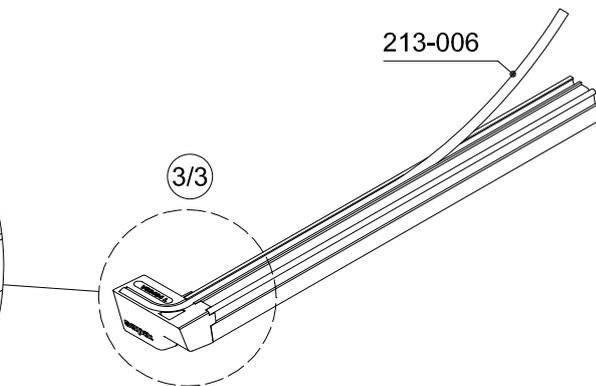
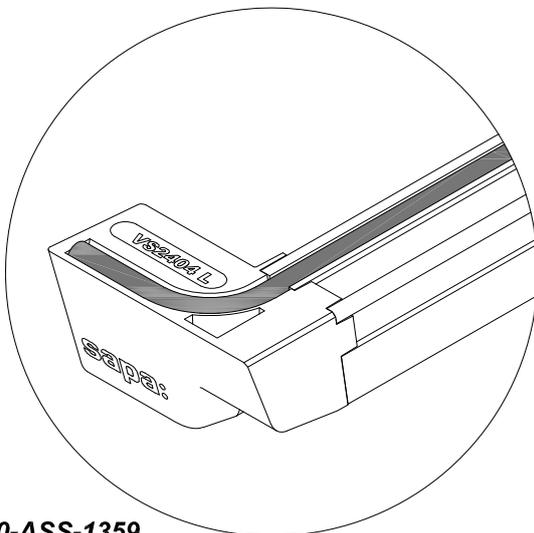
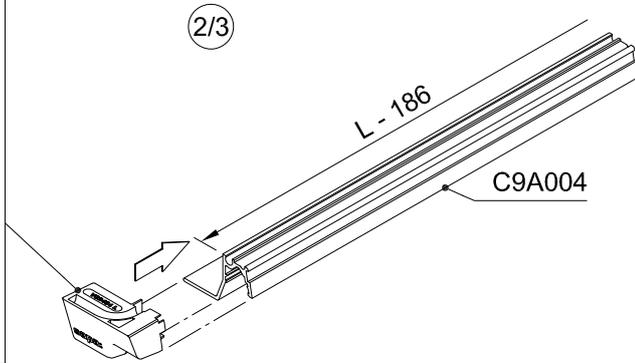
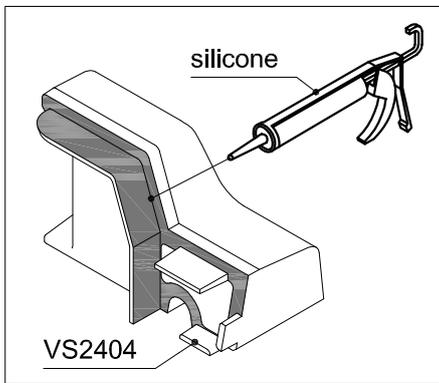
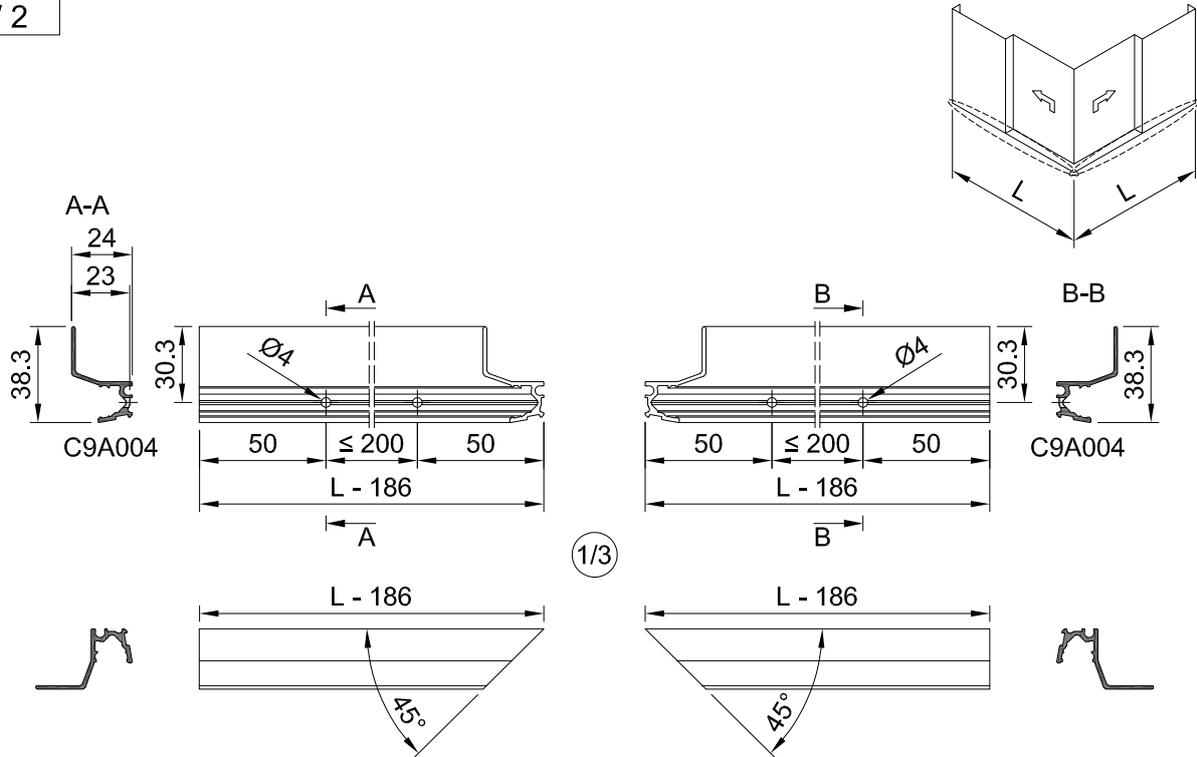


2-BINARI - ASSEMBLAGGIO TELAIO



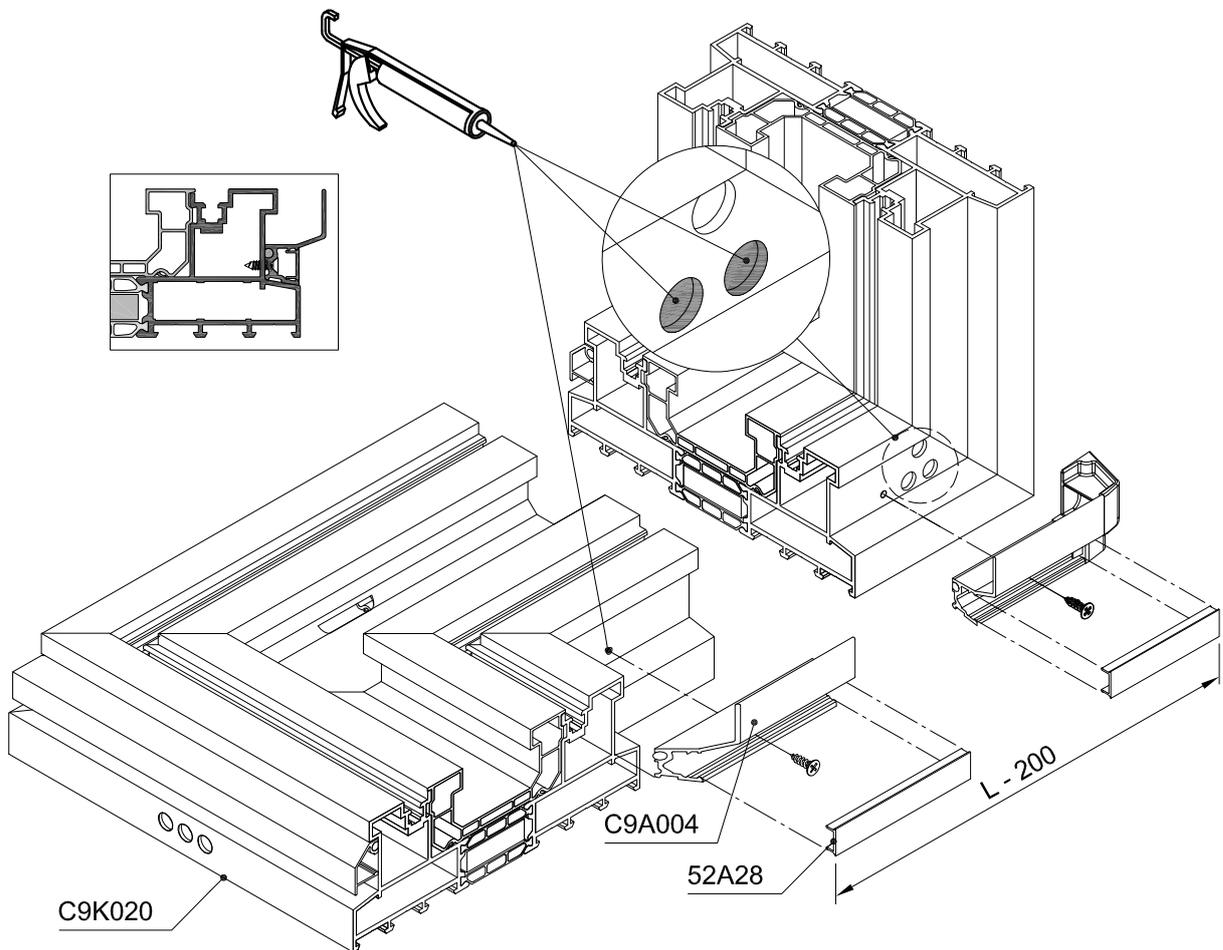
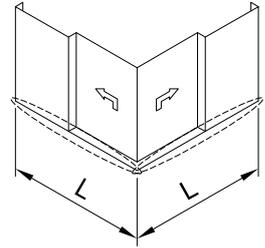
2-BINARI - ASSEMBLAGGIO TELAIO

1 / 2



2-BINARI - ASSEMBLAGGIO TELAIO

2 / 2

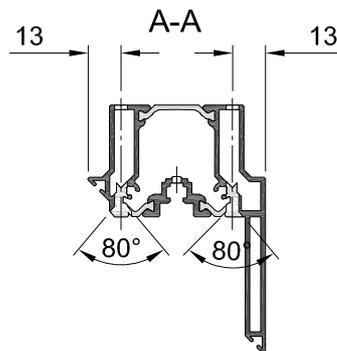
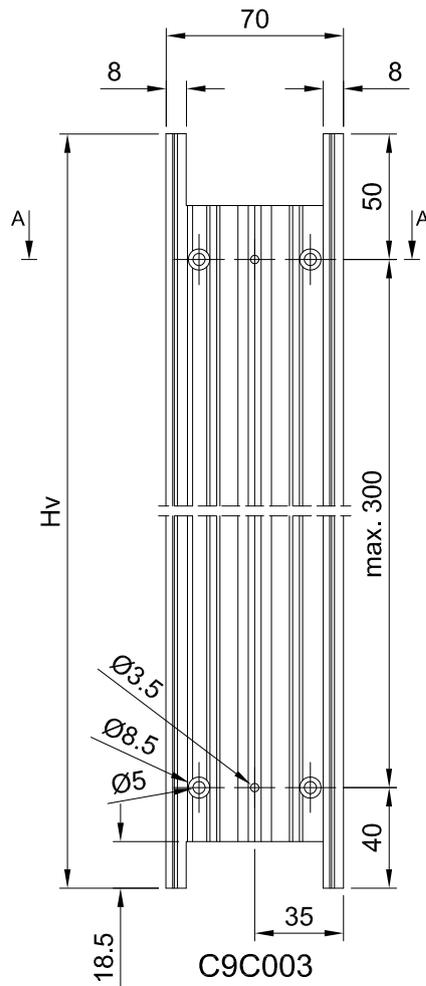
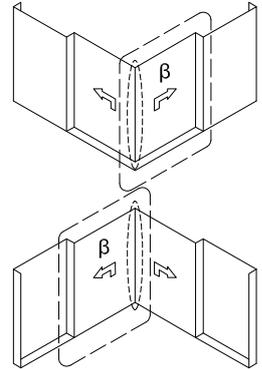


ANGOLO GALLEGGIANTE

OPERAZIONI C9C003

2 / 5

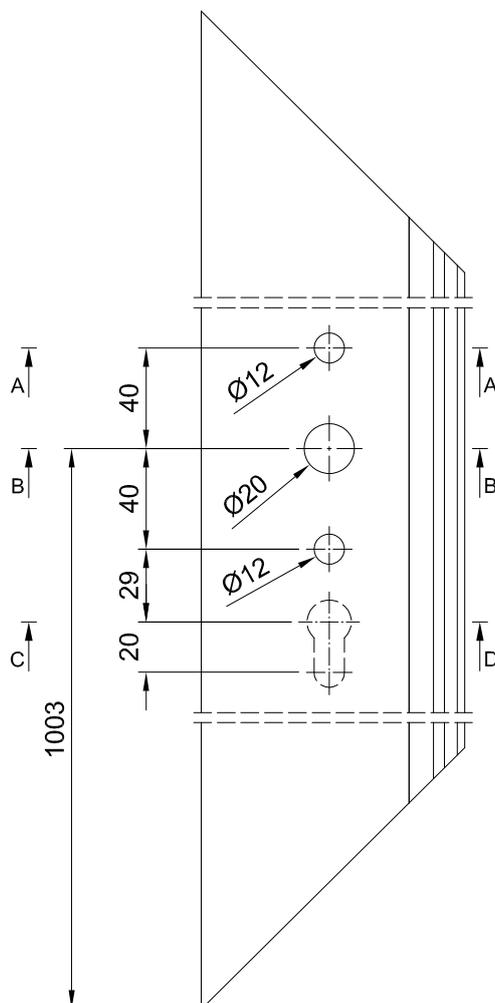
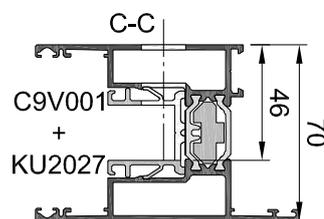
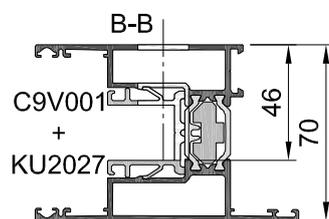
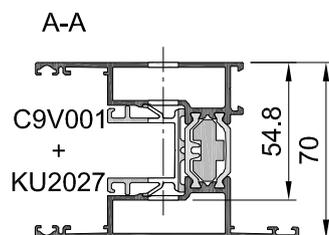
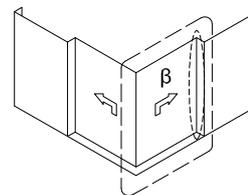
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |



OPERAZIONI C9V001

5 / 5

| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |

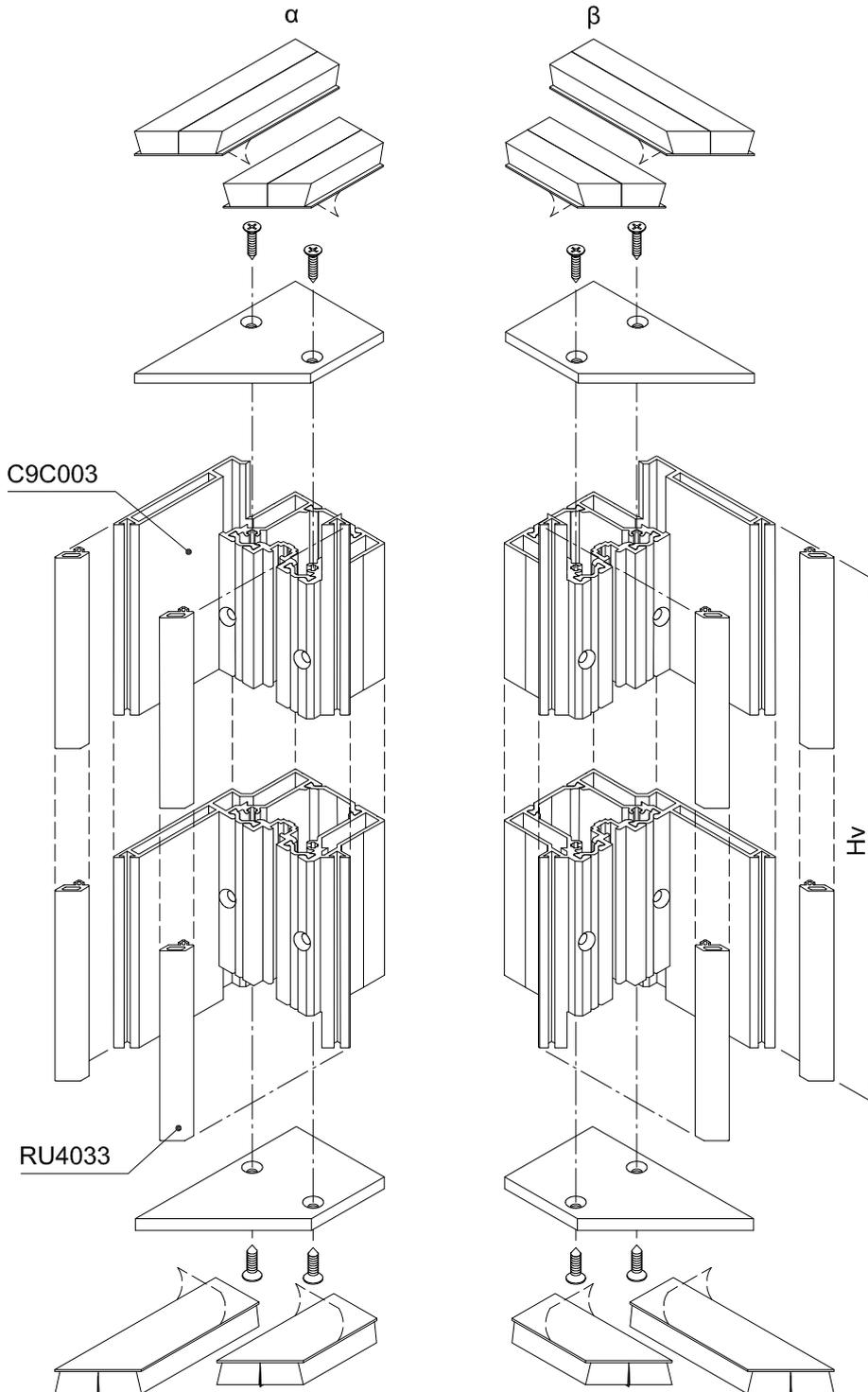
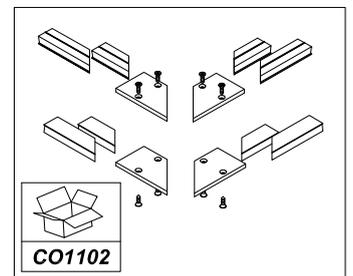
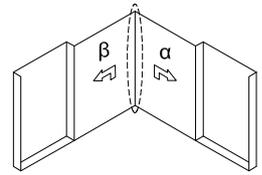
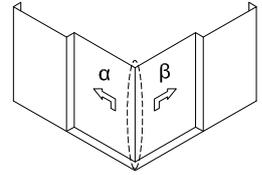


ANGOLO GALLEGGIANTE

ASSEMBLAGGIO C9C003 + CO1102 + RU4033

1 / 3

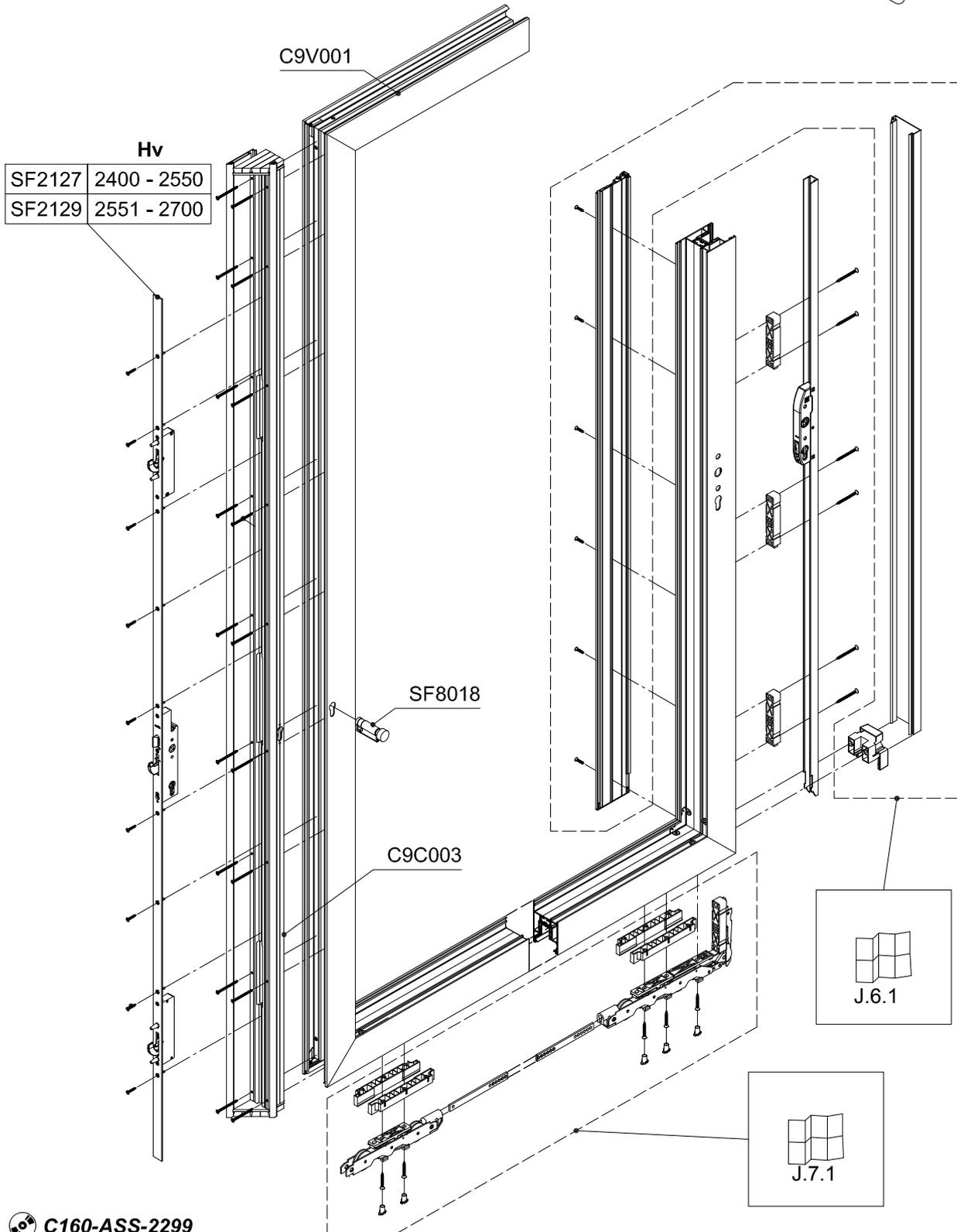
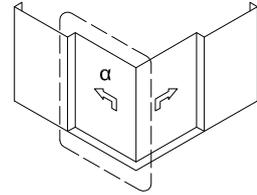
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |



ASSEMBLAGGIO C9C003 + SF212X

2 / 3

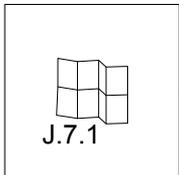
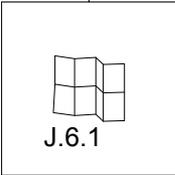
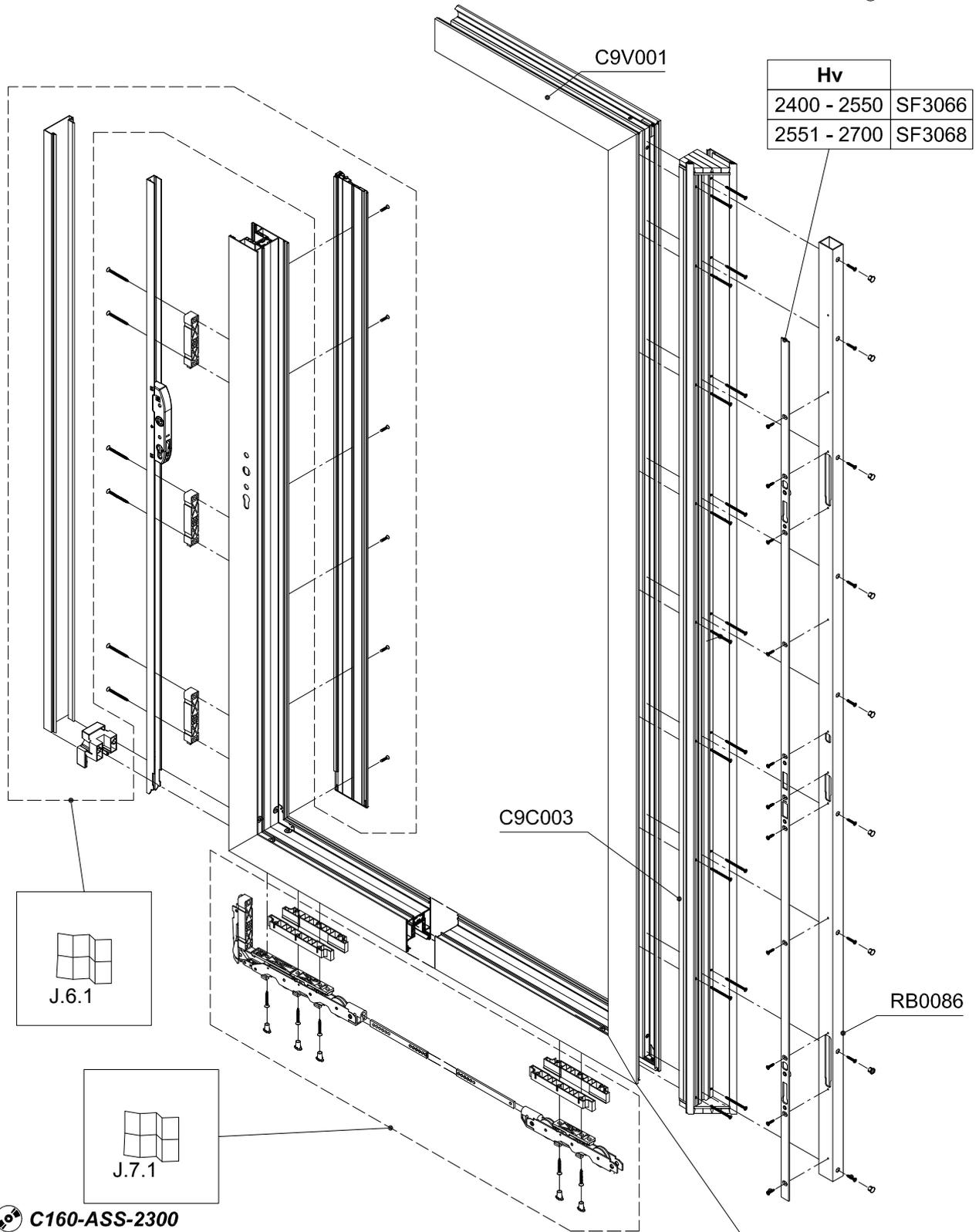
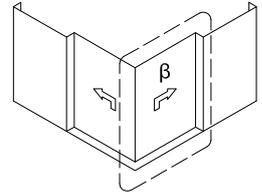
| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |



ASSEMBLAGGIO C9C003 + RB0086 + SF36X

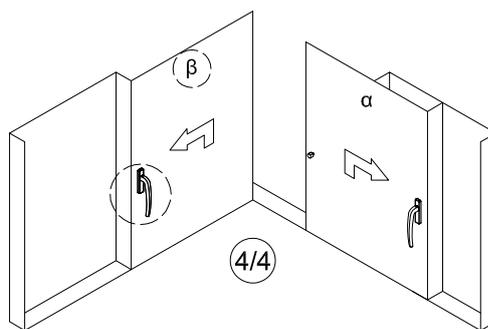
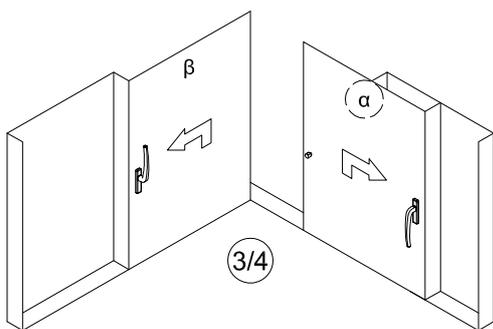
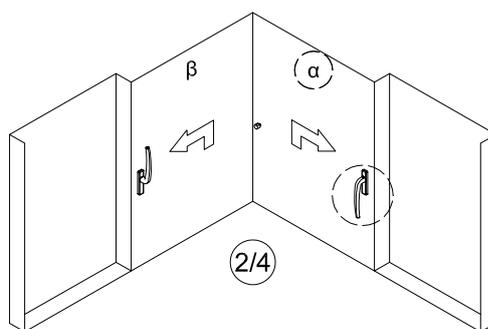
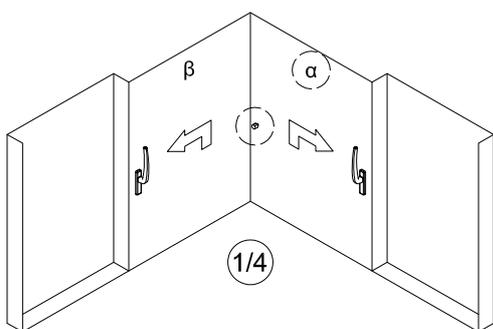
3 / 3

| |
|---------------|
| C9V001+KU2027 |
| C9V051+KU2027 |
| C9V004 |

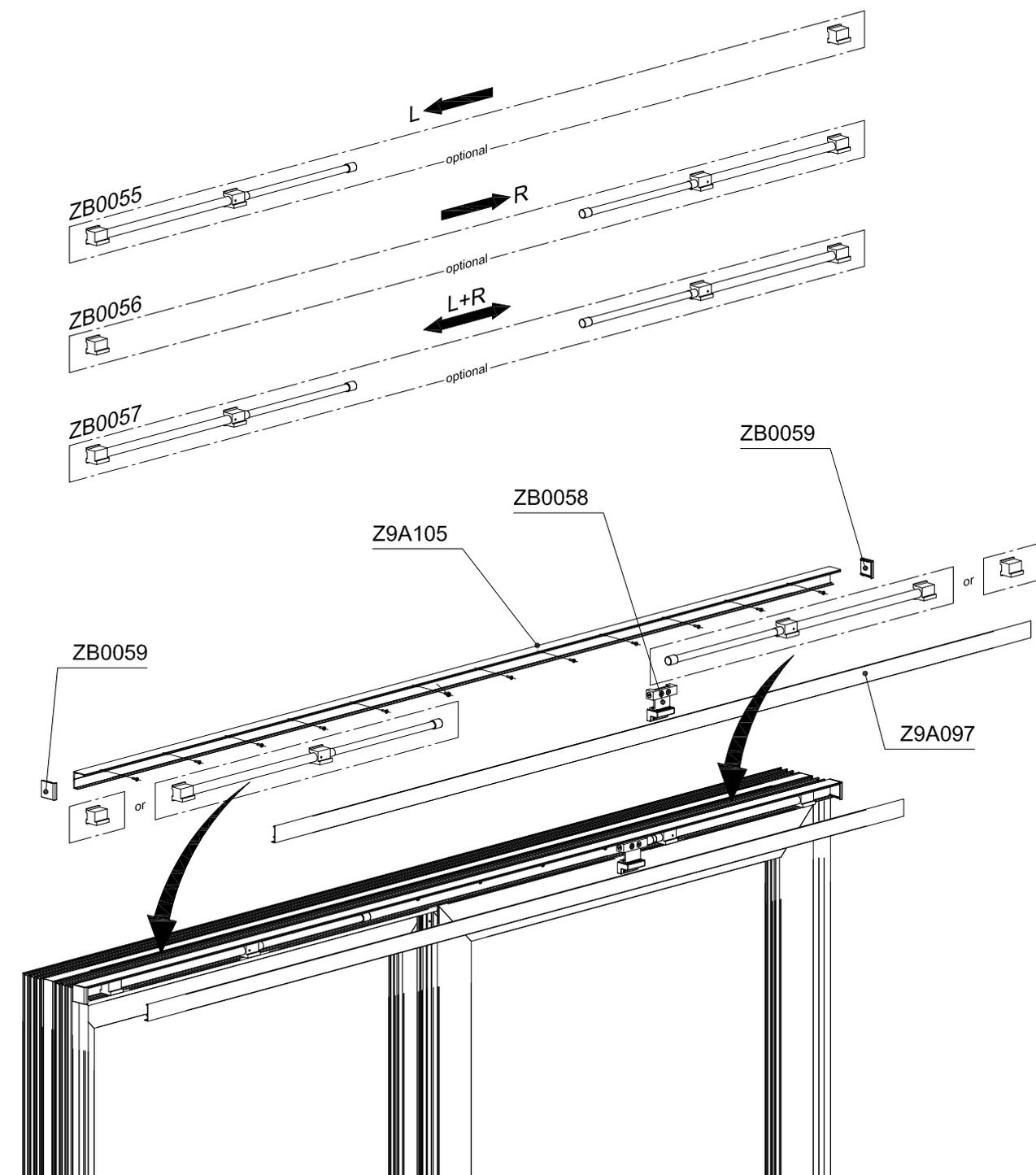
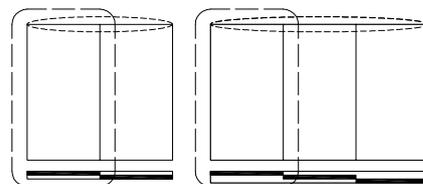


C160-ASS-2300

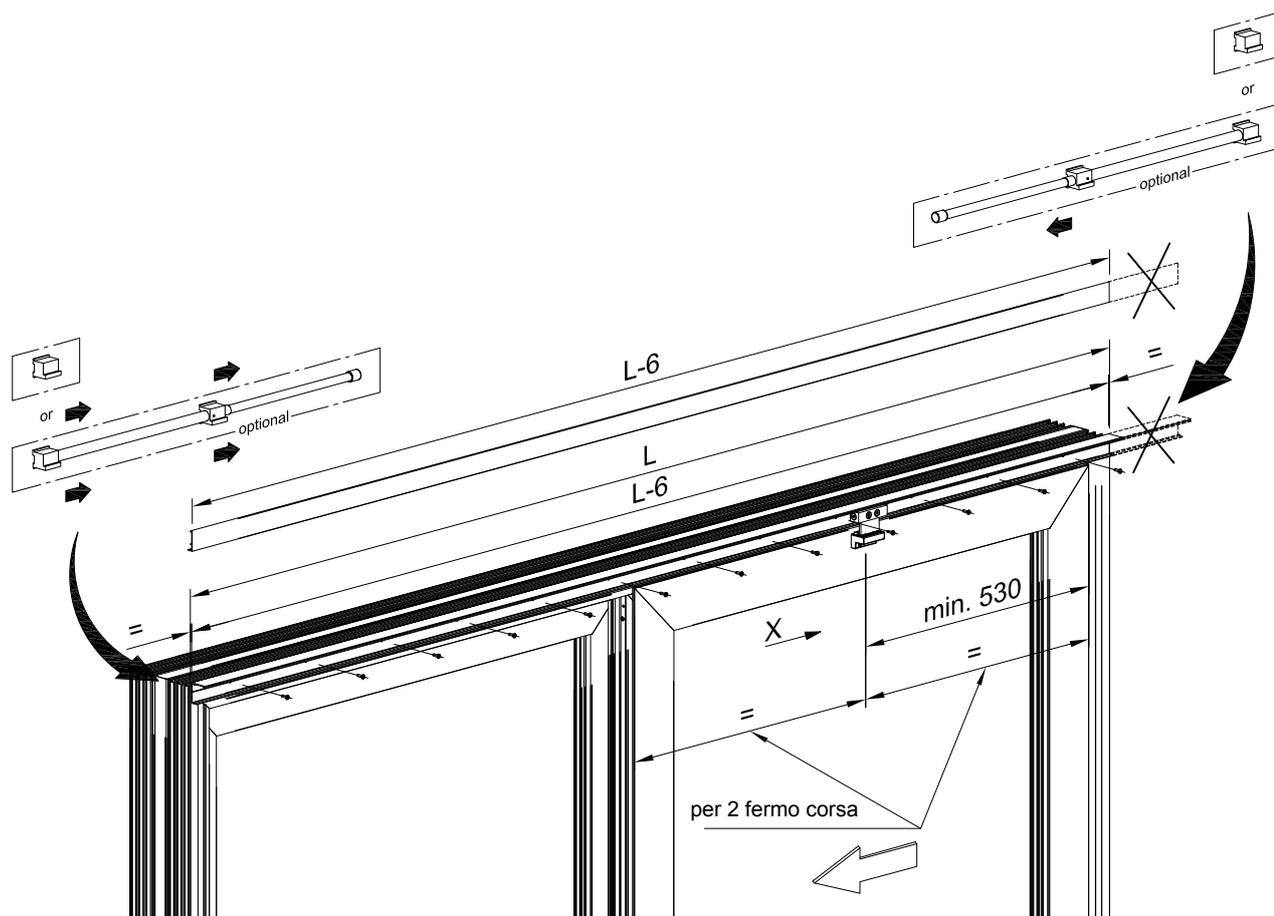
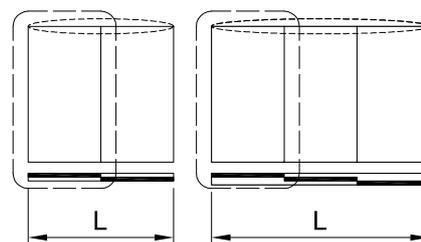
OPERAZIONI - INTERNO



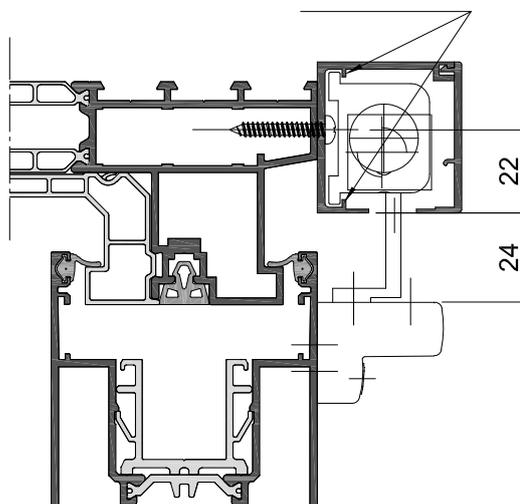
1 / 4



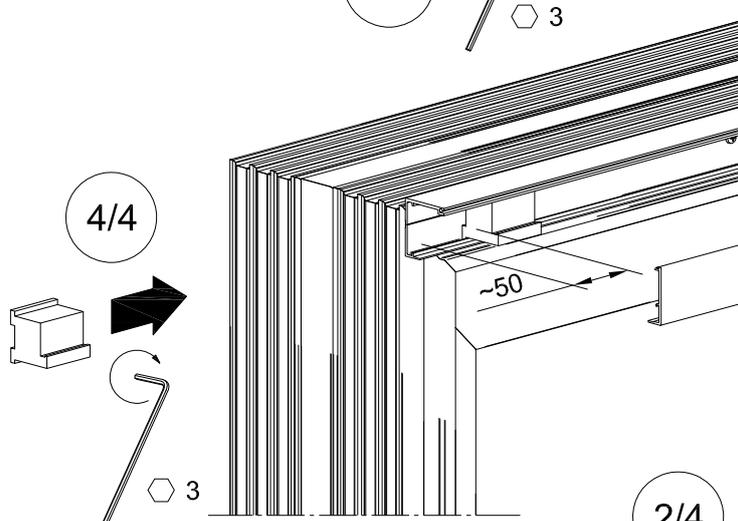
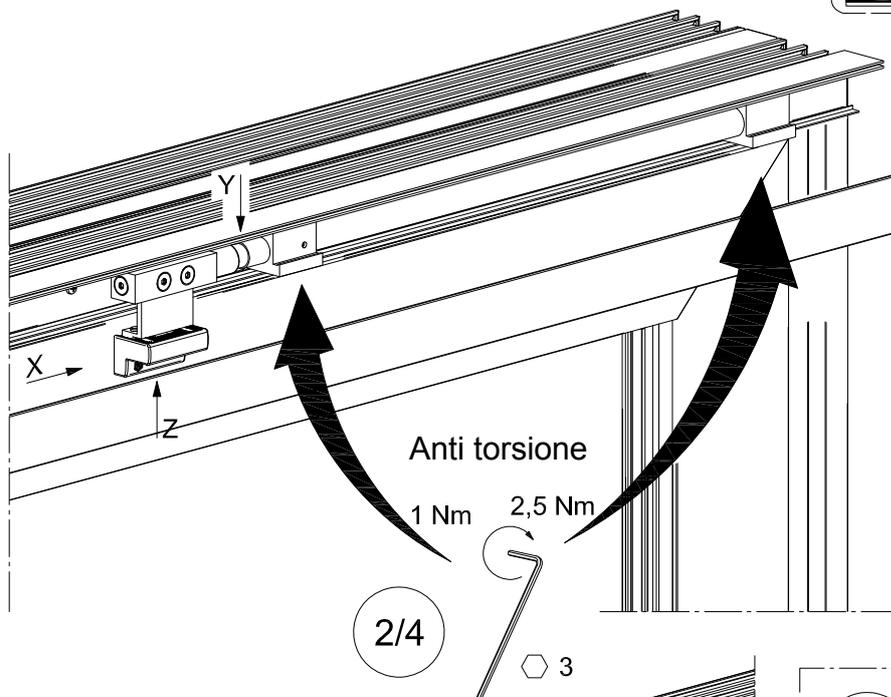
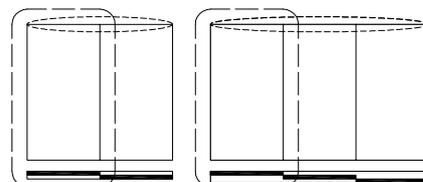
2 / 4



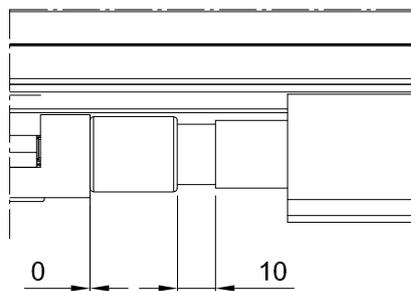
Guida



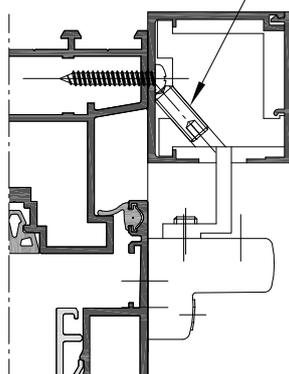
3/4



Vista Y



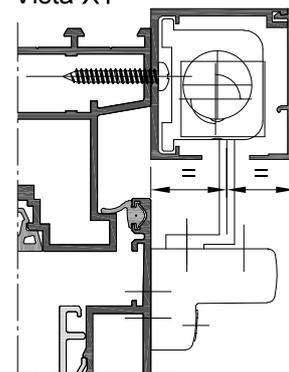
Vista X2



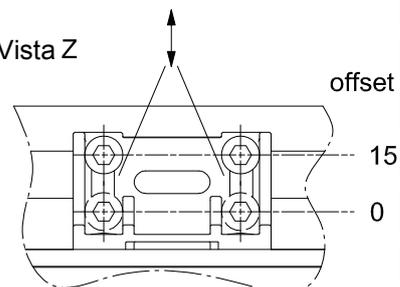
1/4

3/4 Regolazioni

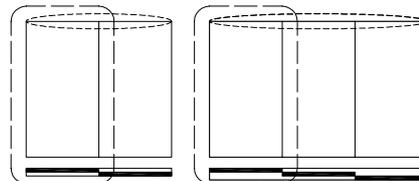
Vista X1



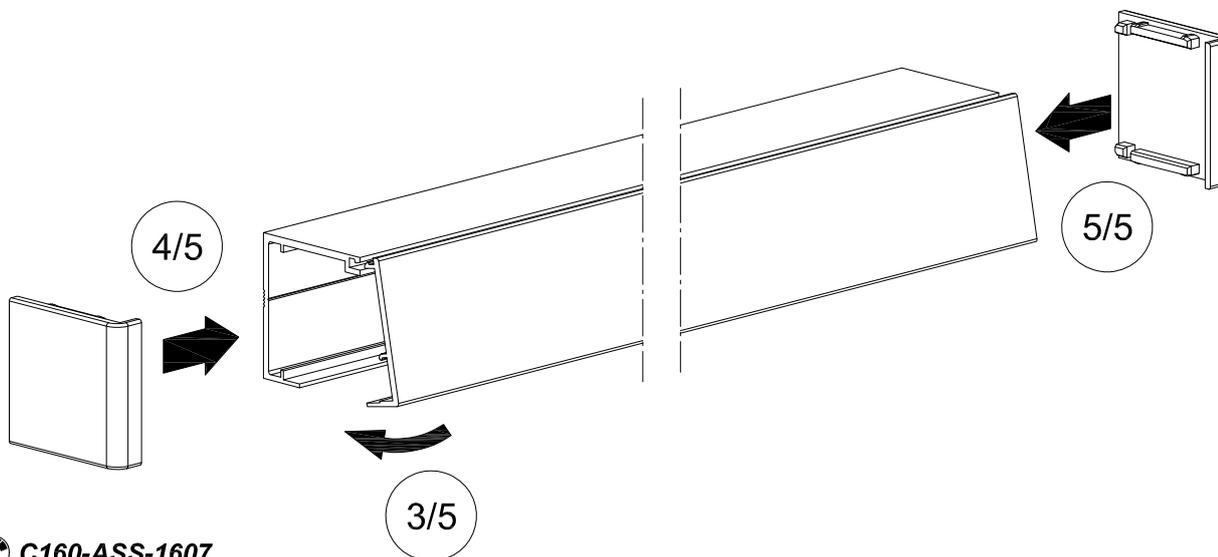
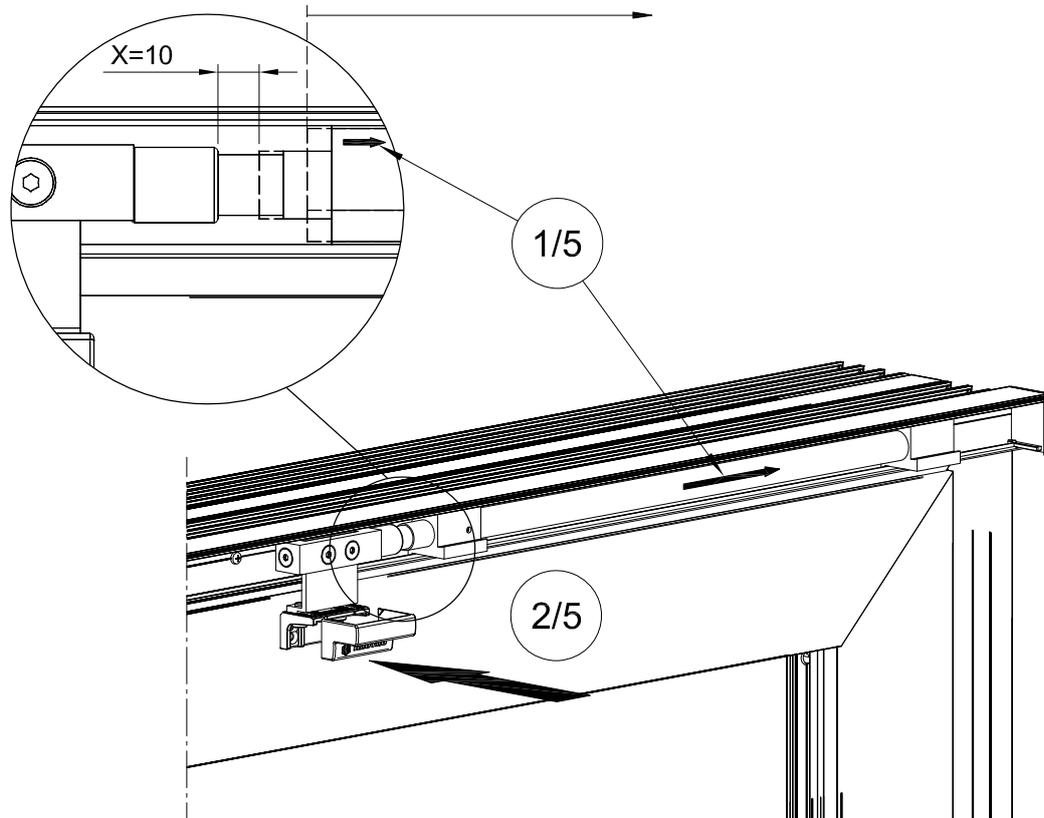
Vista Z



4 / 4



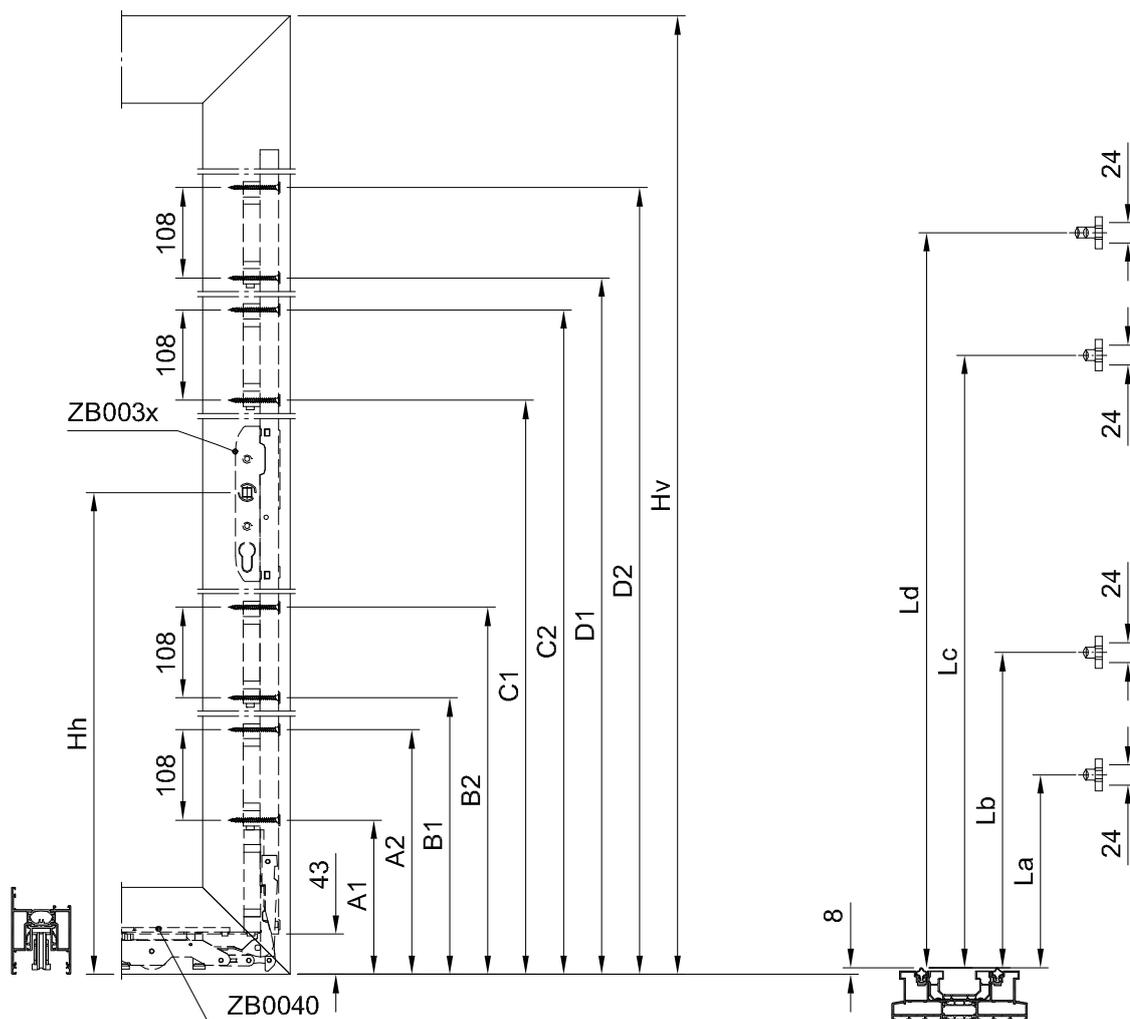
Riduzione della forza di chiusura da applicare con regolazione del fine corsa



 C160-ASS-1607

FERRAMENTA ALZANTE-SCORREVOLE

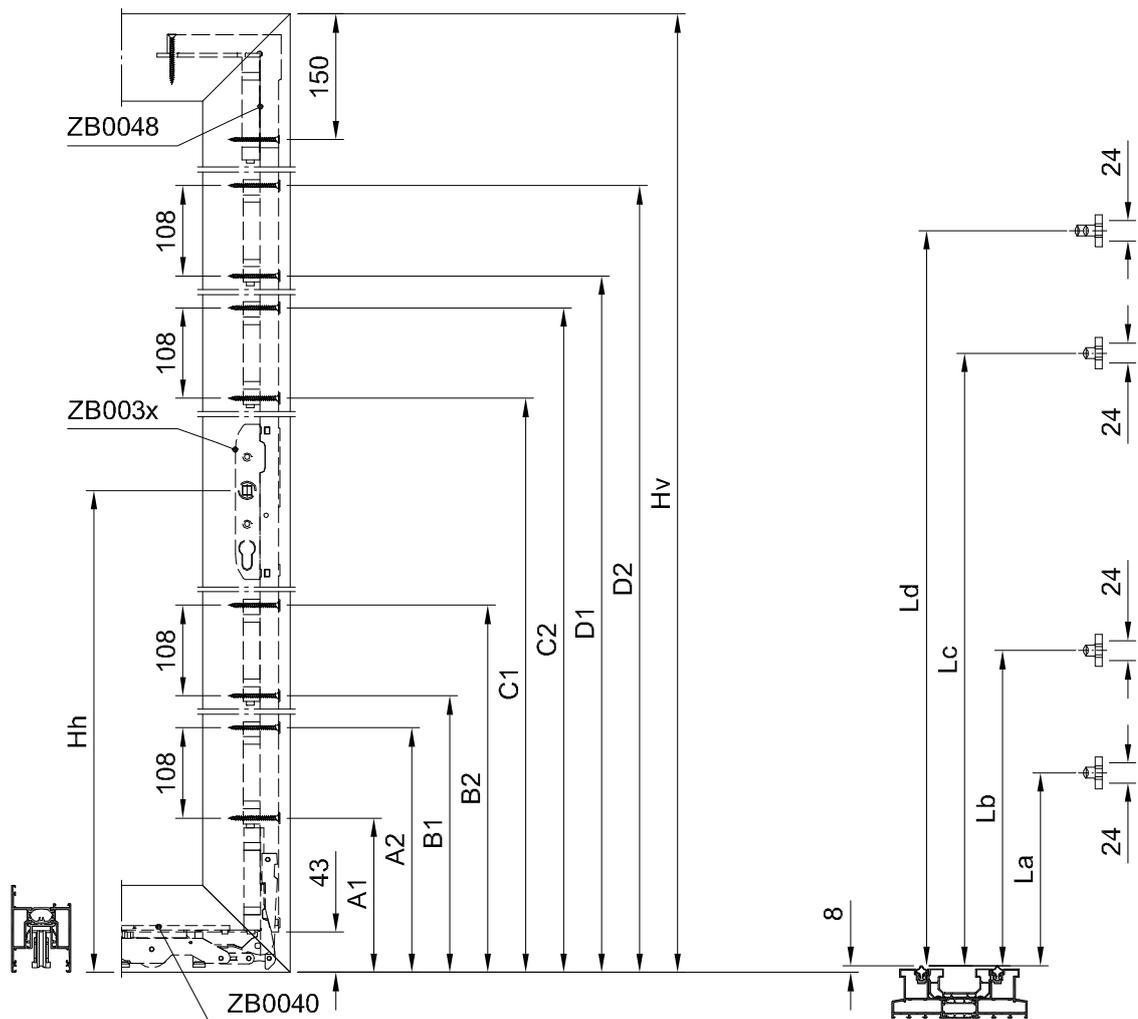
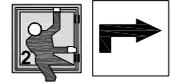
1 / 4



| Hv | | | Hh | A | | B | | C | | D | | E | F | | L | | | | |
|------|------|--------------------|-------------------|-----|-----|-----|-----|------|------|------|------|---|----|----|-----|-----|------|------|----|
| min | max | | | A1 | A2 | B1 | B2 | C1 | C2 | D1 | D2 | | F1 | F2 | La | Lb | Lc | Ld | Lf |
| 1180 | 1877 | ZB0033 | 403 | | - | - | - | 554 | 662 | 954 | 1062 | | | | | - | 600 | 1000 | |
| 1878 | 2177 | ZB0034 | 1003 | 204 | 312 | 704 | 812 | 1154 | 1262 | 1554 | 1662 | - | - | - | 250 | 750 | 1200 | 1600 | |
| 2178 | 2477 | ZB0035 | | | | | | | | 1854 | 1962 | | | | | | | 1900 | |
| 2478 | 2777 | ZB0036 | | | | | | | | 2154 | 2262 | | | | | | | 2200 | |
| 2778 | 3077 | ZB0035 + ZB0046 | Vedi Pagina 2 / 4 | | | | | | | | | | | | | | | | |
| 3078 | 3377 | ZB0035 + ZB0046 | | | | | | | | | | | | | | | | | |

FERRAMENTA ALZANTE-SCORREVOLE

3 / 4

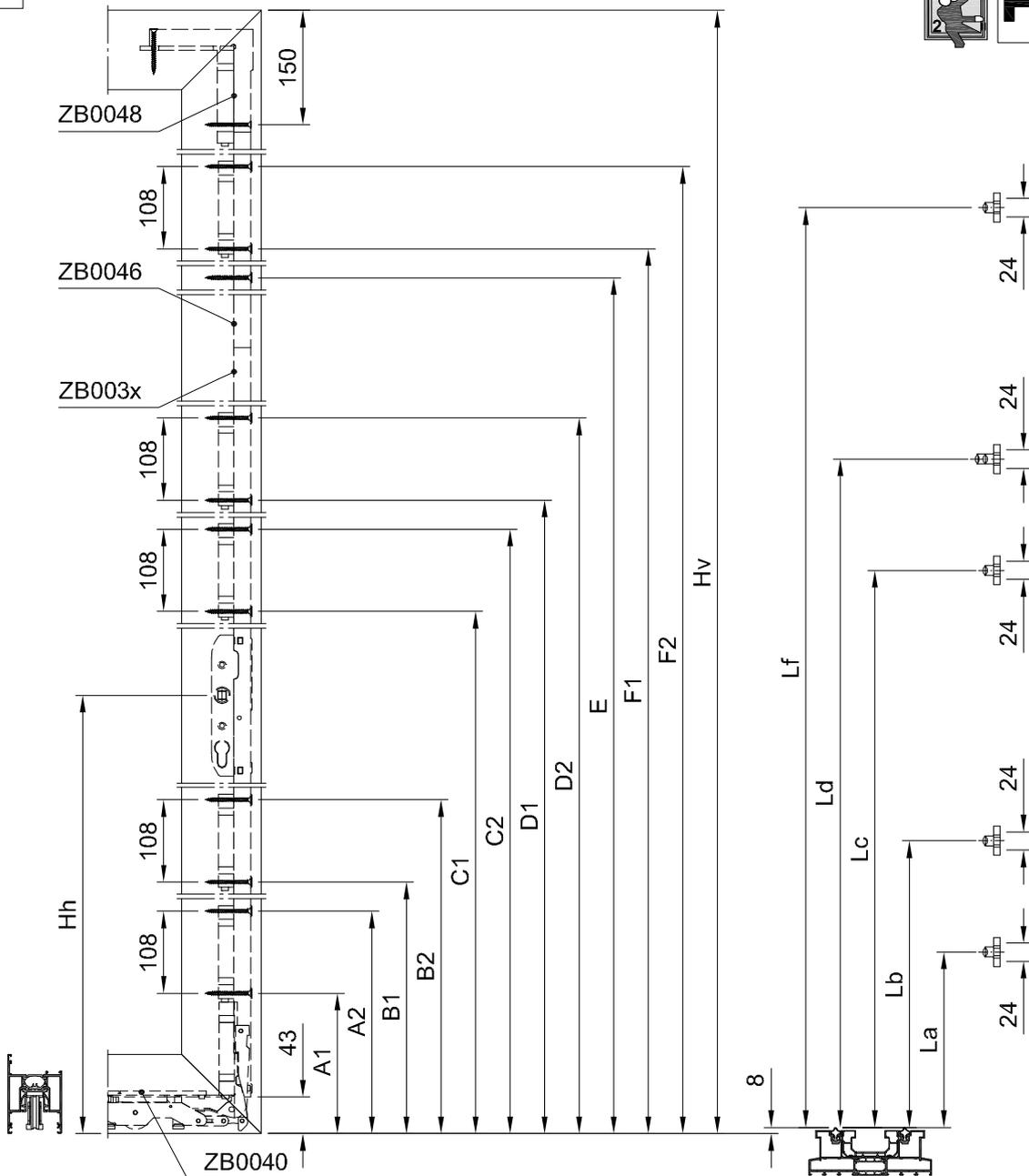
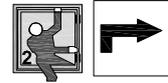


| Hv | | | Hh | A | | B | | C | | D | | E | F | | L | | | | |
|------|------|--------------------|-------------------|-----|-----|-----|-----|------|------|------|------|---|----|----|-----|-----|------|------|----|
| min | max | | | A1 | A2 | B1 | B2 | C1 | C2 | D1 | D2 | | F1 | F2 | La | Lb | Lc | Ld | Lf |
| 1312 | 2009 | ZB0033 | 403 | | - | - | - | 554 | 662 | 954 | 1062 | | | | | - | 600 | 1000 | |
| 2010 | 2309 | ZB0034 | 1003 | 204 | 312 | 704 | 812 | 1154 | 1262 | 1554 | 1662 | - | - | - | 250 | 750 | 1200 | 1600 | |
| 2310 | 2609 | ZB0035 | | | | | | | | 1854 | 1962 | | | | | | | 1900 | |
| 2610 | 2909 | ZB0036 | | | | | | | | 2154 | 2262 | | | | | | | 2200 | |
| 2910 | 3209 | ZB0035 + ZB0046 | Vedi Pagina 4 / 4 | | | | | | | | | | | | | | | | |
| 3210 | 3509 | ZB0035 + ZB0046 | | | | | | | | | | | | | | | | | |



FERRAMENTA ALZANTE-SCORREVOLE

4 / 4



| Hv | | Hh | A | | B | | C | | D | | E | F | | L | | | | | |
|------|------|--------------------|-------------------|-----|-----|-----|-----|------|------|------|------|----------|----------|----------|-----|-----|------|------|----------|
| min | max | | A1 | A2 | B1 | B2 | C1 | C2 | D1 | D2 | | F1 | F2 | La | Lb | Lc | Ld | Lf | |
| 1312 | 2009 | ZB0033 | Vedi Pagina 3 / 4 | | | | | | | | | | | | | | | | |
| 2010 | 2309 | ZB0034 | | | | | | | | | | | | | | | | | |
| 2310 | 2609 | ZB0035 | | | | | | | | | | | | | | | | | |
| 2610 | 2909 | ZB0036 | | | | | | | | | | | | | | | | | |
| 2910 | 3209 | ZB0035 + ZB0046 | 1003 | 204 | 312 | 704 | 812 | 1154 | 1262 | 1854 | 1962 | Hv - 549 | Hv - 325 | Hv - 217 | 250 | 750 | 1200 | 1900 | Hv - 271 |
| 3210 | 3509 | ZB0035 + ZB0046 | | | | | | | | 2154 | 2262 | | | | | | | 2200 | |

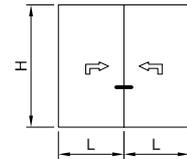
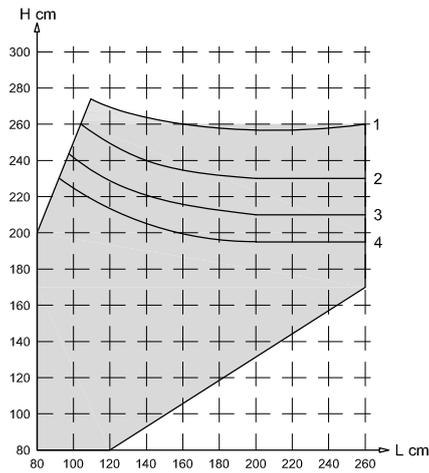
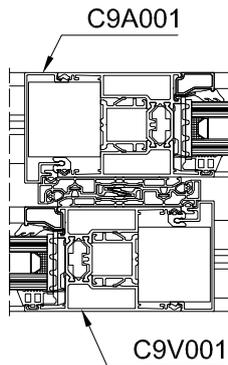
C160-ASS-3103

Allegati

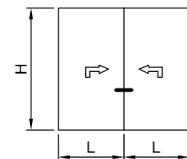
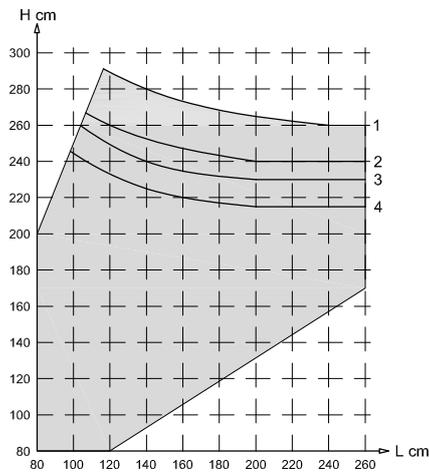
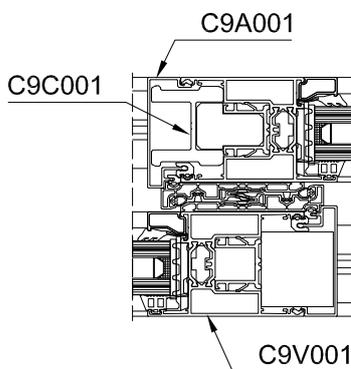
LIMITI DI IMPIEGO - ALZANTE-SCORREVOLE

2 ANTE CON C9V001

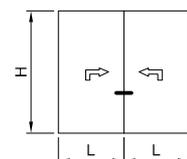
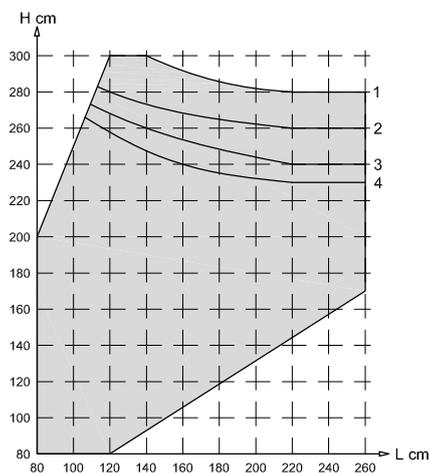
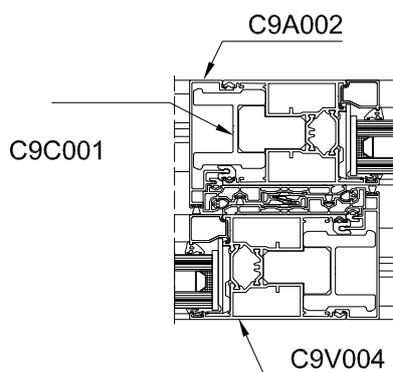
| W (DAN/M ²) | 80 | 120 | 160 | 200 | $f \leq H/300$ |
|----------------------------|---------|---------|---------|---------|-----------------------------|
| | 1 C2 | 2 C3 | 3 C4 | 4 C5 | $F_{max} \leq 8 \text{ mm}$ |



max. 300 kg/
(400 kg)



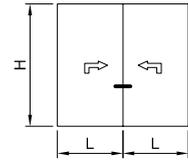
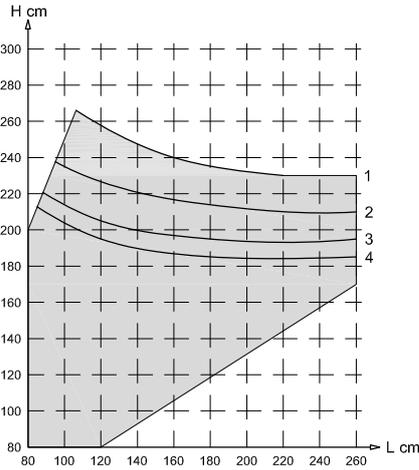
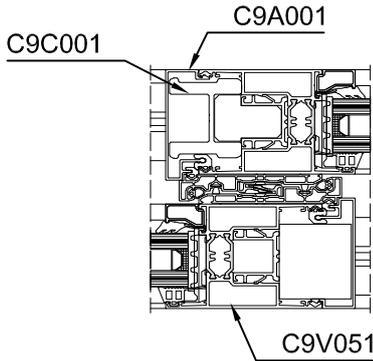
max. 300 kg/
(400 kg)



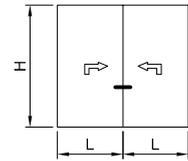
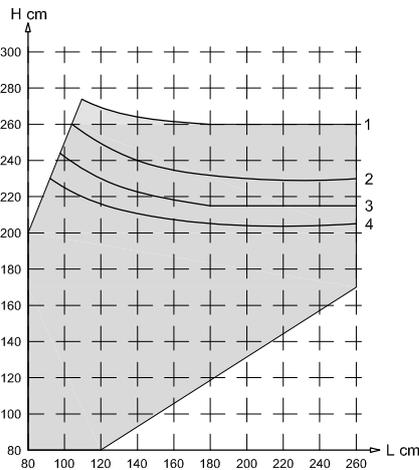
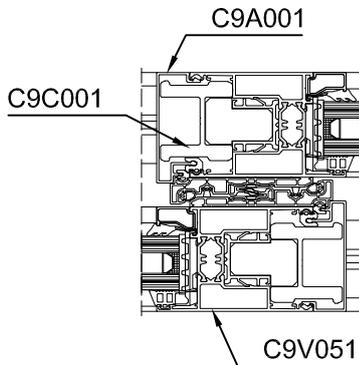
max. 300 kg/
(400 kg)

2 ANTE CON C9V051

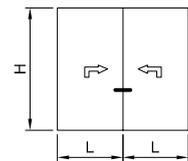
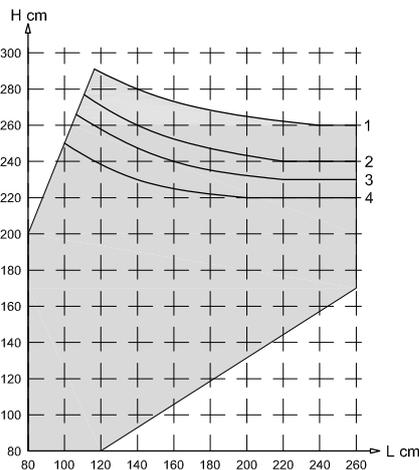
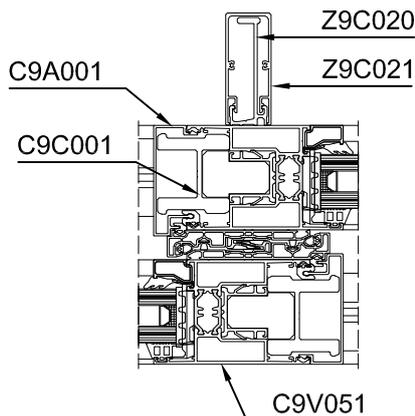
| W (DAN/M ²) | 80 | 120 | 160 | 200 | $f \leq H/300$ |
|----------------------------|----|-----|-----|-----|-----------------------------|
| | 1 | 2 | 3 | 4 | $F_{max} \leq 8 \text{ mm}$ |
| | C2 | C3 | C4 | C5 | |



 max. 300 kg/
(400 kg)



 max. 300 kg/
(400 kg)

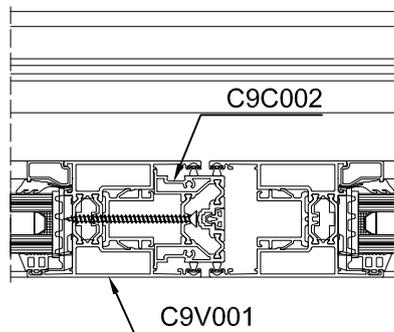
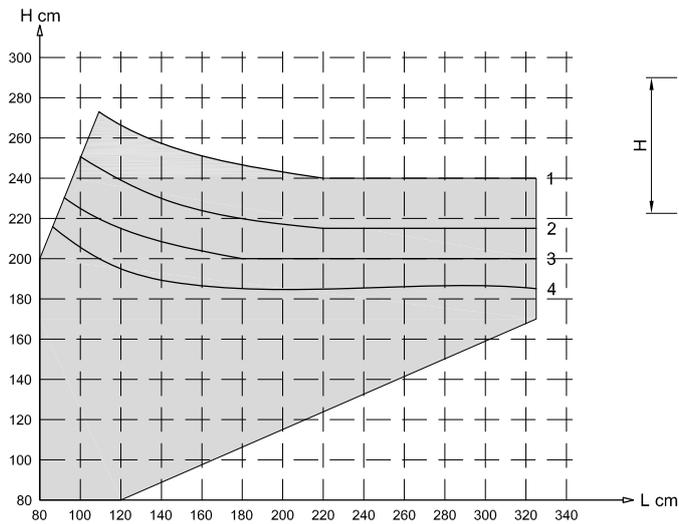


 max. 300 kg/
(400 kg)

LIMITI DI IMPIEGO - ALZANTE-SCORREVOLE

4 ANTE

| W (DAN/M ²) | 80 | 120 | 160 | 200 | $f \leq H/300$ |
|----------------------------|----|-----|-----|-----|-----------------------------|
| | 1 | 2 | 3 | 4 | $F_{max} \leq 8 \text{ mm}$ |
| | C2 | C3 | C4 | C5 | |



VALORE UF DI FINESTRE E PORTE

La trasmittanza termica U_w dei serramenti nel loro complesso (telaio e vetratura) può essere calcolata con la procedura di calcolo semplificata descritta nella norma EN ISO 10077-1 che tiene conto della trasmittanza termica del telaio, del vetrocamera o del pannello e della trasmittanza termica lineare del distanziatore tra le due lastre vetrate del vetrocamera:

$$U_w = \frac{U_f A_f + U_g A_g + U_p A_p + \Psi_g L_g + \Psi_p L_p}{A_f + A_g + A_p} \left[\frac{W}{m^2 K} \right]$$

dove:

- A_f area del telaio in m^2 definita come l'area della proiezione della superficie del telaio su un piano parallelo al vetro. Corrisponde all'area più grande tra l'area della superficie frontale interna $A_{f,i}$ e l'area della superficie frontale esterna $A_{f,e}$;
- U_f trasmittanza termica del telaio metallico in W/m^2K .
- A_g area della vetratura in m^2 ;
- U_g trasmittanza termica dell'elemento vetrato in W/m^2K ;
- U_p trasmittanza termica del pannello opaco in W/m^2K ;
- A_p area del pannello in m^2 ;
- L_g perimetro della vetratura in metri; se il perimetro visto dall'interno differisce da quello visto dall'esterno deve essere assunto il valore maggiore delle lunghezze perimetrali;
- L_p perimetro del pannello opaco in metri;
- K_l trasmittanza lineare in W/mK (da considerarsi solo nel caso del vetro camera) dovuta alla presenza del distanziatore posto tra i due vetri; si ricava in funzione del tipo di vetro e del materiale del telaio; tale valore si considera nullo per vetri singoli. Questo parametro è introdotto per tenere conto della *dispersione termica perimetrale* che si verifica in prossimità del bordo del vetrocamera per la presenza del distanziatore.
- K_p trasmittanza termica lineare in W/mK . Può essere calcolata secondo la metodologia descritta dalla norma UNI EN ISO 10077-2. Questo valore può essere posto uguale a zero quando:
 - le superfici interne ed esterne del pannello sono di materiale con conduttività termica inferiore a 0,5 W/mK ;
 - la conduttività termica di qualsiasi materiale di collegamento al bordo del pannello è inferiore a 0,5 W/mK .

Con calcolo semplificato può essere valutata anche la trasmittanza termica di serramenti doppi U_{wD} (costituiti cioè da telai fissi separati):

$$U_{wD} = \frac{1}{\frac{1}{U_{w1}} - R_{SI} + R_S + R_{SE} + \frac{1}{U_{w2}}} \left[\frac{W}{m^2 K} \right]$$

dove:

- U_{w1} trasmittanza termica del serramento esterno calcolata secondo la prima formula, in W/m^2K .
- U_{w2} trasmittanza termica del serramento interno calcolata secondo la prima formula in W/m^2K
- R_{SI} resistenza termica superficiale interna del serramento esterno quando previsto da solo.
- R_{SE} resistenza termica superficiale esterna del serramento interno quando previsto da solo.
- R_S resistenza termica dello spazio compreso tra le vetrazioni dei due serramenti in m^2K/W

Con calcolo semplificato può essere valutata anche la trasmittanza termica di **serramenti accoppiati** U_{wA} (caratterizzati dalla presenza di un telaio fisso unico):

$$U_{wD} = \frac{1}{\frac{1}{U_{G1}} - R_{SI} + R_S + R_{SE} + \frac{1}{U_{G2}}} \left[\frac{W}{m^2 K} \right]$$

dove:

- U_{G1} trasmittanza termica della vetratura esterna
- U_{G2} trasmittanza termica della vetratura interna
- R_{Si} resistenza termica superficiale interna della vetratura esterna quando applicata da sola.
- R_{SE} resistenza termica superficiale esterna della finestra interna
- R_s resistenza termica dello spazio compreso tra la vetratura esterna e quella interna del serramento accoppiato in m^2K/W .

La resistenza termica di una lastra di vetro è fortemente influenzata dalle resistenze superficiali sia interne sia esterne, di conseguenza la presenza di elementi di schermatura contribuisce a modificare lo scambio termico (e conseguentemente tali valori di resistenza liminare) aumentandone la sua resistenza termica. Pertanto è possibile considerare per i serramenti una *resistenza termica aggiuntiva* che tiene conto della presenza di schermi esterni (tapparelle, persiane, ecc.) e della permeabilità all'aria del serramento. Si esprime cioè la prestazione termica dei serramenti a schermi chiusi tramite la cosiddetta trasmittanza termica notturna U_{WS} :

$$U_{WS} = \frac{1}{\frac{1}{U_W} + \Delta R} \quad \frac{W}{m^2K}$$

dove:

- U_W trasmittanza termica del serramento in W/m^2K ;
- ΔR resistenza termica aggiuntiva in m^2K/W dovuta alla presenza degli schermi chiusi il cui valore può essere definito in funzione della permeabilità e della resistenza termica R_{sh} degli schermi.

Per la valutazione del contributo delle chiusure oscuranti si può far riferimento alla procedura descritta nella norma EN ISO 10077-1.

TABELLA DI CONTROLLO DEL SERRAMENTO FINITO

| Posizione | Caratteristica da esaminare | Requisito | Metodo di prova | Tolleranze |
|-----------|---------------------------------|---------------------------|-------------------------|----------------------------------|
| 1 | Dimensioni telaio | Documenti di commessa | Metro | $\pm 0.5 \text{ mm}$ |
| 2 | Dimensioni ante | Istruzioni di lavorazione | Metro | $\pm 0.5 \text{ mm}$ |
| 3 | Angoli | Istruzioni di lavorazione | Goniometro | $\pm 0.5^\circ$ |
| 4 | Taglio guarnizioni | Istruzioni di lavorazione | Documenti di produzione | $L \times 1.01 \pm 2 \text{ mm}$ |
| 5 | Montaggio guarnizioni | Istruzioni di lavorazione | Visivo | |
| 6 | Sigillatura giunzioni | Istruzioni di lavorazione | Visivo | |
| 7 | Numero di drenaggi | Istruzioni di lavorazione | Visivo | |
| 8 | Fori di ventilazione | Istruzioni di lavorazione | Visivo | |
| 9 | Posizionamento vetrocamera | Istruzioni di lavorazione | Documenti di produzione | |
| 10 | Componenti della ferramenta | Completezza | Visivo | |
| 11 | Posizionamento della ferramenta | Istruzione di montaggio | Visivo | |
| 12 | Regolazione della ferramenta | Istruzione di montaggio | Calibro a corsoio | |
| 13 | Funzionamento ferramenta | Istruzione di montaggio | Prova di funzionamento | |

CONDIZIONI GENERALI DI VENDITA

1. Premessa

- Le presenti condizioni generali di vendita si applicano integralmente ad ogni ordine e a tutte le nostre vendite, salvo stipulazione contraria che deve risultare espressamente e per iscritto da parte della nostra Società.

- L'invio o la consegna di qualsiasi ordine di acquisto da parte dell'Acquirente alla nostra Società implica l'accettazione integrale e senza riserve da parte sua delle condizioni generali di vendita della nostra Società.

- Le presenti condizioni generali sono riportate in ogni modulo di conferma d'ordine, nei manuali, anche informativi, nei cataloghi e nel sito della nostra Società e si considerano conosciute da tutti i Compratori.

2. Offerte

- Le offerte formulate dalla nostra Società sono senza impegno e non valgono quale proposta.

- Le offerte sono subordinate alle condizioni generali di vendita.

- Le condizioni generali di vendita sono riportate nella nostra offerta e s'intendono accettate mediante invio o consegna dell'Ordine/Commessa.

3. Ordini/Commesse

- Ogni ordine/commessa formulato dall'Acquirente è soggetto ad accettazione scritta (c.d. Conferma) da parte della nostra Società ed implica l'accettazione delle condizioni generali della nostra Società.

- Gli ordini devono essere completi e definiti in ogni loro parte mediante Distinta inviata a mezzo fax o e-mail.

- La trasmissione dell'ordine impegna l'Acquirente ai dati contenuti nella propria scheda commerciale consegnatagli da nostro delegato e comunque, se non diversamente specificato per iscritto, ai prezzi, alle condizioni di listino ed alle condizioni generali di vendita della nostra Società in vigore alla data di conferma d'ordine.

- Eventuali richieste di variazioni, modifiche o cancellazione dell'ordine da parte dell'Acquirente sono soggette ad approvazione da parte della nostra Società e dovranno pervenire unicamente e inderogabilmente entro 12 ore lavorative dall'invio dell'ordine solo a mezzo e-mail o fax.

- Le 12 ore verranno calcolate considerando data e ora indicata sulla e-mail/fax dell'invio ordine e sulla e-mail/fax di richiesta cancellazione/variazione.

- In caso di variazioni dell'ordine la nostra Società si riserva la facoltà di ritardare i tempi di consegna e di modificare il prezzo.

4. Conferme d'Ordine

- La Conferma d'Ordine della nostra Società giungerà all'Acquirente a mezzo e-mail, fax, posta, o a mano.

- La Conferma d'Ordine inviata dalla nostra Società definisce e riporta tutte le condizioni e i contenuti definitivi e vincolanti del Contratto, sostituendosi integralmente all'ordine/commessa.

- La Conferma d'Ordine e le presenti condizioni generali di contratto prevarranno in ogni caso su eventuali condizioni generali o particolari di ordine predisposte dall'Acquirente.

- Qualsiasi condizione scritta o verbale inviata da parte di nostri collaboratori, funzionari di vendita dipendenti della nostra Società o agenti di vendita è priva di valore se non riprodotta nel testo della nostra conferma d'ordine o se non confermata per iscritto dalla nostra Società.

5. Oggetto del contratto

- Il contratto ha ad oggetto la fornitura dei materiali, per i quantitativi specificati nella nostra Conferma d'Ordine o in ogni eventuale successiva modifica trasmessa via fax, mail o a mani dalla nostra Società.

- Non rientrano nell'oggetto del presente contratto con la nostra Società i campioni di materiale e i prototipi da sottoporre a prove e/o a test, tutte le informazioni rese in qualsiasi forma o sede per le lavorazioni dei nostri prodotti, quali ad esempio proposte di calcoli, di progetti, di disegni, informazioni relative all'assemblaggio, all'installazione, alla lavorazione, alle verifiche statiche, all'offerta per gare d'appalto; pertanto non ci assumiamo alcuna responsabilità per le fasi di lavorazione successive alla fornitura dei nostri prodotti, anche con riguardo alla loro interazione con altri prodotti.

- In ogni caso, le dimensioni, gli schemi di montaggio e di lavorazione, i prezzi, le prestazioni e gli altri dati figuranti nei cataloghi, nei manuali di lavorazione, nei prospetti, negli annunci pubblicitari, nelle illustrazioni, nei listini prezzi, od in altri documenti illustrativi della nostra Società, così come le caratteristiche dei modelli e campioni inviati dalla nostra Società all'Acquirente, hanno carattere di mere indicazioni, non saranno vincolanti e non contengono alcuna promessa di qualità in relazione ai prodotti.

- Tali dati non hanno valore impegnativo se non sono espressamente richiamati nella Conferma d'Ordine.

- La nostra Società si riserva di apportare in qualunque momento ai propri prodotti quelle modifiche tecniche non sostanziali, dettate da esigenze di produzione, che riterrà convenienti, senza obbligo di comunicazione.

6. Prezzi

- I prezzi delle nostre merci si intendono sempre Porto Franco (DDP per gli Incoterms), salvo diversa pattuizione tra le parti. I pagamenti e ogni altra somma dovuta a qualsiasi titolo alla nostra Società si intendono netti al domicilio della nostra Società.

- Eventuali pagamenti fatti ad agenti, rappresentanti, funzionari di vendita, dipendenti o collaboratori della nostra Società non saranno considerati validi fino a quando le relative somme non giungeranno alla nostra Società.

- I prezzi applicati sono quelli indicati nel listino prezzi della nostra Società valido al momento della consegna dei nostri prodotti allo spedizioniere, oltre alle rispettive imposte sul valore aggiunto, salvo diversa indicazione da provarsi per iscritto contenuta nella nostra Conferma d'ordine o in altro documento da noi proveniente.

7. Condizioni di pagamento

- Il pagamento dovrà essere effettuato, salvo diverso accordo scritto, a fine mese dalla data della fattura o entro il diverso termine indicato nella fattura, a mezzo di ricevuta bancaria, bonifico bancario presso l'istituto bancario indicato dalla nostra Società o tramite rimessa diretta. Vale quale consegna della merce il ritiro della merce da parte dello spedizioniere o il ritiro autonomo della merce da parte dell'Acquirente se concordato tra le parti.

- La nostra Società si riserva di chiedere degli acconti sul prezzo da versare al momento della conclusione del contratto o successivamente.

8. Ritardati pagamenti

- In caso di ritardato, mancato o parziale pagamento da parte dell'Acquirente, la nostra Società si riserva il diritto di sospendere immediatamente la fornitura, e/o di risolvere tutti i contratti in essere con l'Acquirente, anche se non relativi al

pagamento in questione, fatto salvo il diritto al risarcimento del danno.

- In caso di ritardato, mancato o parziale pagamento, su tutte le somme dovute matureranno interessi di mora calcolati ai sensi dell'art. 5, comma 2, del decreto legislativo 9 ottobre 2002, n. 231 ("Attuazione della direttiva 2000/35/CE relativa alla lotta contro i ritardi di pagamento nelle transazioni commerciali" pubblicato nella Gazzetta Ufficiale n. 249 del 23 ottobre 2002) senza necessità di messa in mora e tutti i crediti diventeranno immediatamente esigibili con decadenza dal beneficio del termine.

- Nessuna contestazione per eventuali inadempimenti, né eccezione alcuna, né azioni legali di qualsiasi natura potrà essere sollevata od esercitata dall'Acquirente se non previo integrale pagamento del prezzo.

- Non è ammessa alcuna compensazione fra il prezzo dovuto alla nostra Società ed eventuali crediti vantati dall'Acquirente.

- L'Acquirente è obbligato al pagamento integrale del prezzo anche in caso di contestazioni.

9. Consegna

- Salvo patto contrario, la fornitura della merce si intende Porto Franco.

- E' facoltà della nostra Società effettuare forniture parziali e/o consegne ripartite della merce.

- I termini di consegna indicati nella Conferma d'Ordine non sono termini essenziali, salvo diverso accordo. La forza maggiore o altre circostanze eccezionali o imprevedibili che si verificassero nei confronti della nostra Società o dei nostri fornitori (quali a mero titolo di esempio scioperi, blocchi stradali, etc. etc.) sospendono i termini per la consegna, senza alcuna responsabilità per la nostra Società.

- Qualora vi sia un ritardo nella consegna della merce superiore ai 30 (trenta) giorni, che non dipenda da forza maggiore o da eventi imprevedibili, è fatto obbligo all'Acquirente contestare per iscritto tale ritardo alla nostra Società, la quale avrà un termine di ulteriori 30 (trenta) giorni per effettuare la consegna. Nessun diritto al risarcimento del danno spetterà all'Acquirente.

- In caso di consegne ripartite, valgono le disposizioni che precedono.

- La nostra Società non risponde per danni da anticipata o ritardata consegna, totale o parziale.

10. Rischio di perimento della merce

- Il rischio del perimento o della rovina della merce passa in capo all'Acquirente al più tardi quanto la stessa merce lascia gli stabilimenti della nostra Società ovvero alla consegna. A seguito del passaggio dei rischi la nostra Società non risponde del perimento o della rovina della merce.

- In caso di ritardo da parte dell'Acquirente di presa in consegna della merce, il rischio, qualora non sia già passato in capo all'Acquirente ai sensi del capoverso precedente, si trasmetterà allo stesso alla data di consegna prevista.

- L'Acquirente è obbligato al pagamento integrale del prezzo in caso di danneggiamento o perimento della merce avvenuto dopo il passaggio allo stesso dei rischi.

11. Verifiche

- E' fatto obbligo all'Acquirente di verificare la conformità della merce e l'assenza di vizi entro 8 (otto) giorni dal ricevimento, e comunque prima di effettuare qualsiasi lavorazione aggiuntiva sulla stessa.

- Eventuali contestazioni saranno considerate valide solo se comunicate per iscritto mediante raccomandata a.r. entro 8 (otto) giorni dalla ricezione della merce.

- Eventuali vizi occulti dovranno essere denunciati per iscritto, mediante raccomandata a.r., entro 8 (otto) giorni dalla scoperta.

- In ogni caso nessuna denuncia per vizi, difetti o non conformità sarà valida se effettuata oltre un anno dalla consegna.

- Eventuali denunce dovranno essere dettagliate e specifiche, indicare esattamente i difetti riscontrati e, su richiesta della nostra Società, dovranno anche comprendere la restituzione del prodotto difettoso a proprie spese, al fine di consentire le verifiche del caso.

12. Garanzie

- La nostra Società garantisce la conformità dei prodotti: per conformità dei prodotti si intende che essi corrispondano per qualità e tipo a quanto stabilito nel contratto e che siano esenti da vizi che possano renderli non idonei all'uso cui sono destinati. I campioni, le indicazioni contenute nei depliant o le informazioni risultanti da altro materiale pubblicitario non sono vincolanti e non contengono alcuna promessa di qualità in relazione ai prodotti.

- La nostra Società non si assume alcuna responsabilità circa la conformità del prodotto alla normativa di Paesi stranieri ove sarà utilizzato il prodotto o destinato, circa eventuali usi speciali, circa gli usi abitualmente previsti nel Paese di destinazione.

- La garanzia avrà una durata di un anno dalla consegna.

- Sulle quantità l'Acquirente riconosce alla nostra Società di accettare quantità di fornitura determinate dalle minime quantità produttive nel caso di ordini riferiti a prodotti non disponibili a magazzino e a multipli interi delle unità di vendita per quanto concerne i materiali gestiti a magazzino.

- La garanzia per i vizi è limitata ai soli vizi dei prodotti dipendenti da difetti di materiale o di lavorazione riferibili alla nostra Società, e non si applica in caso di difetti di installazione o non corretto uso da parte dell'Acquirente. Sarà onere dell'Acquirente fornire alla nostra Società la prova di aver effettuato una corretta installazione o uso.

- La garanzia non si estende a difetti che siano riconducibili a richieste dell'Acquirente, a richieste di imprese terze incaricate dello stesso, alle lavorazioni successive, all'assemblaggio, all'installazione, alle caratteristiche della struttura, o ad altre cause che non sono oggetto della nostra fornitura.

- La nostra Società non risponde dei difetti di conformità dovuti all'usura normale di quelle parti che, per loro natura, sono soggette ad una rapida e continua usura.

- In generale, in nessun caso la nostra Società risponde per difetti di conformità che abbiano la loro causa in un fatto successivo al passaggio dei rischi all'Acquirente ai sensi dell'art. 10.

13. Contenuto della garanzia

- In caso di contestazione dei vizi nei termini e con le modalità di cui all'art. 11, la nostra Società eseguirà una verifica del prodotto in contestazione non appena lo stesso verrà inviato presso il nostro stabilimento, a spese dell'Acquirente; in caso di impossibilità di spedizione, la nostra Società effettuerà sopralluogo, a spese dell'Acquirente. All'esito delle verifiche la nostra Società redigerà un verbale contenente il dettaglio degli accertamenti eseguiti.

- Nel caso in cui saranno accertati dalla nostra Società i vizi o i difetti contestati, provvederemo, gratuitamente, a nostra discrezione:

a) alla riparazione;

b) alla sostituzione mediante la fornitura gratuita Porto Franco dei prodotti dello stesso genere e quantità di quelli risultati non conformi o difettosi, entro un termine ragionevole. Prima della sostituzione della merce l'Acquirente dovrà restituirci la merce difettosa.

- La sostituzione s'intende solo in relazione al singolo pezzo danneggiato e non all'intera partita.

- Non è dovuto alcun risarcimento danni; in particolare l'Acquirente non potrà avanzare altre richieste di risarcimento del danno, di riduzione del prezzo o di risoluzione del contratto.

- In nessun caso la nostra Società risponde per danni indiretti o consequenziali, per danni da mancata o ridotta produzione, anche rispetto a già pattuiti termini di consegna.

14. Riserva di proprietà

- La merce resta di proprietà della nostra Società fino al completo pagamento del prezzo.

- Nel caso venga esercitata la riserva di proprietà da parte della nostra Società, l'Acquirente presta fin da ora il consenso a consentirci l'accesso presso i luoghi dove è depositata la merce e il diritto a ritirare la merce di nostra proprietà.

- Fino a quando sussiste la riserva di proprietà è fatto divieto all'Acquirente, senza il consenso scritto della nostra Società, di costituire pegno o di vendere a terzi la merce di nostra proprietà.

- E' fatto obbligo all'Acquirente di comunicarci tempestivamente per iscritto eventuali pignoramenti o sequestri della merce di nostra proprietà e di dichiarare all'Ufficiale Giudiziario il nostro diritto di proprietà sulla suddetta merce, al fine di consentirci di esercitare le azioni legali necessarie.

- In caso di omessa o mancata tempestiva comunicazione, le spese legali relative ai procedimenti da noi sostenuti saranno a carico dell'Acquirente.

15. Divieto di cessione

- Il presente contratto e i diritti da esso derivanti non potranno, in tutto o in parte, essere ceduti dall'Acquirente, senza il consenso scritto della nostra Società.

16. Forma, esclusività e nullità

- Qualsiasi modifica al presente contratto non sarà valida se non fatta per iscritto ed approvata dalla nostra Società.

- L'eventuale nullità di una qualsiasi delle clausole previste nel presente contratto non comporterà la nullità dell'intero contratto, il quale andrà integrato ed interpretato nella sua globalità. Le parti si impegnano a sostituire la clausola nulla o inefficace con una clausola che tenga conto e consenta di realizzare lo scopo economico che le parti, il contratto e le condizioni generali si erano prefissati.

17. Obbligo di riservatezza

- L'Acquirente si obbliga a mantenere riservate tutte le notizie e le informazioni di carattere tecnico (disegni, prospetti tecnici, documentazione, formule, corrispondenza etc.) ricevute dalla nostra Società o apprese in esecuzione del presente contratto.

18. Risoluzione

- La nostra Società potrà risolvere il presente contratto, senza preavviso, mediante dichiarazione della propria volontà di risoluzione, comunicata per iscritto alla Società acquirente mediante raccomandata a.r., fax o mail, al verificarsi di uno dei seguenti eventi:

a) il mancato pagamento, parziale o totale, di quanto dovuto dalla Società acquirente secondo i tempi e le modalità previste nel presente contratto, salvo che la nostra Società non si avvalga della facoltà di chiedere l'adempimento del contratto, in ogni caso con pagamento dell'importo stabilito nel presente contratto, e previa determinazione dei termini delle consegne ripartite, oltre al risarcimento del danno;

b) In caso di dichiarazione di fallimento della Società acquirente o nel caso in cui la stessa venga sottoposta ad una procedura concorsuale;

c) in tutti gli altri casi previsti dagli artt. 1453 e segg. del codice civile.

19. Legge applicabile

- Per tutto quanto non espressamente previsto dalle presenti condizioni generali si applica la legge italiana e gli artt. 1470 e seguenti del codice civile italiano.

20. Foro competente

- Per tutte le controversie che dovessero sorgere in relazione all'esistenza, validità interpretazione, esecuzione e risoluzione del presente contratto sarà competente in via esclusiva il Foro di Milano.

21. Comunicazioni

- Tutte le comunicazioni riguardanti questo contratto devono essere fatte per iscritto, e si intenderanno validamente effettuate se inviate a mezzo raccomandata a.r. o a mezzo e-mail certificata ai seguenti indirizzi: Sapa Building Systems S.p.A, Via Fonchielli 3, 20063 Cernusco sul Naviglio (MI) - sapabuildingsystems@peccasapaystems.it

22. Privacy

- Ai sensi del D.Lgs. n.196 del 30.6.2003 entrambe le Società dichiarano di aver ricevuto informativa, ed autorizzano fin da ora ogni trattamento nonché comunicazione e diffusione dei dati, anche sensibili, necessari per la conclusione del presente Contratto di fornitura.

- Entrambe le parti si impegnano altresì a provvedere a propria cura e spese ad ogni adempimento del sopra citato decreto legislativo per soggetti terzi di propria competenza che, nel corso del rapporto contrattuale di cui trattasi, dovesse rendersi necessario per l'espletamento dell'incarico ricevuto.

23. Norme tecniche e responsabilità del produttore

- Per ciò che concerne le caratteristiche dei prodotti della nostra Società, essi sono conformi alla legislazione, alle norme tecniche vigenti in Italia e alle norme di prodotto specifiche al momento della conclusione del contratto.

- L'Acquirente si assume per intero il rischio di un'eventuale difformità tra le norme italiane e quelle del Paese di destinazione dei prodotti, tenendo indenne la nostra Società da ogni eventuale richiesta di risarcimento danni o sanzione o altra conseguenza economica.

- La nostra Società garantisce le prestazioni dei prodotti di sua fabbricazione solo ed esclusivamente in relazione ad usi, destinazioni, applicazioni, tolleranze da essa espressamente indicati.

- L'Acquirente non è autorizzato a disporre dei prodotti forniti dalla nostra Società in modo non conforme alle indicazioni di cui al punto precedente.



Sapa Building Systems S.p.A..
Via A. Ponchielli 3, 20063
Cernusco sul Naviglio (MI)
T: + 02 92 42 91
F: 02 92 42 94 96
www.domal.it

