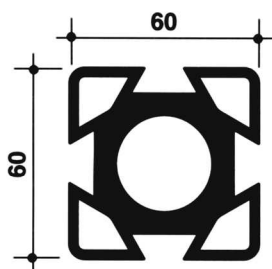




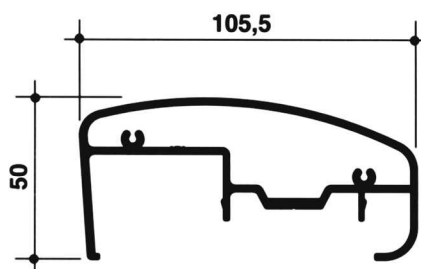
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SYSTEM



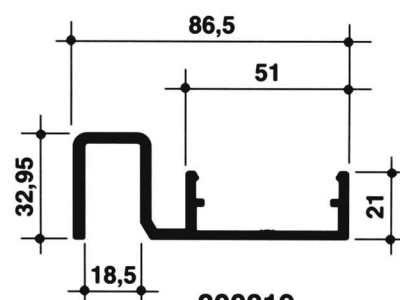
plus®
SYSTEM



800821
Kg./ml. 4,612



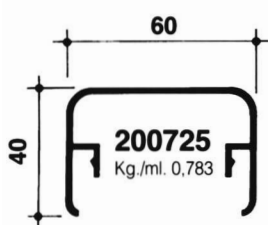
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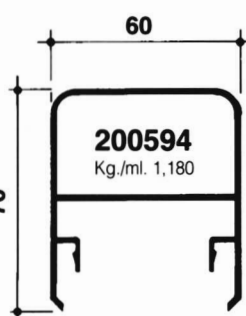
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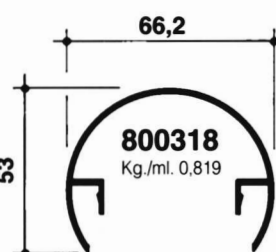
plus®
SYSTEM



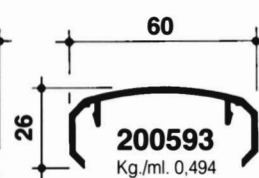
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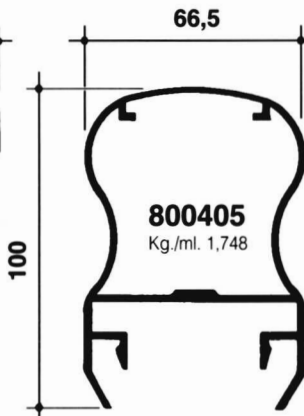
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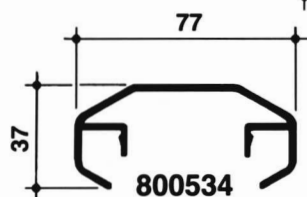
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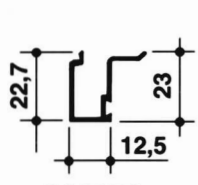
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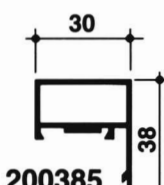
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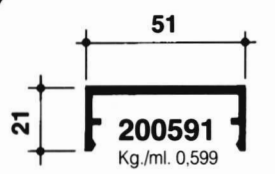
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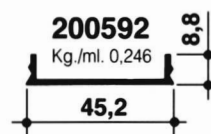
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200385
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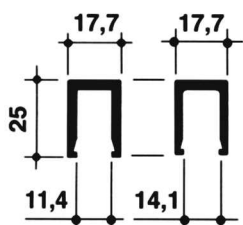


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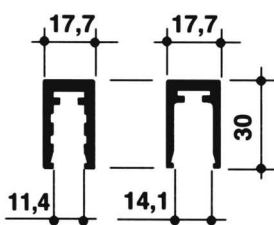


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GR 14
SYSTEM



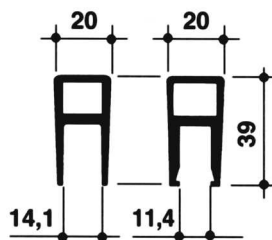
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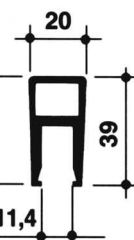
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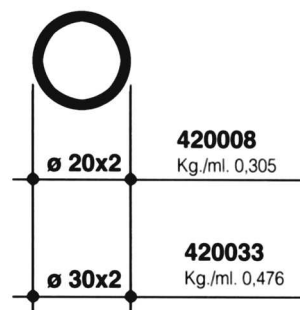
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800232
Kg./ml. 0,772



420008
Kg./ml. 0,305

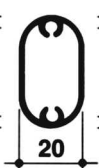
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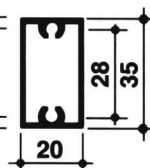
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Kg./ml. 0,400



200752
Kg./ml. 0,416



200004
Kg./ml. 0,435















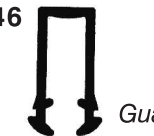




200507
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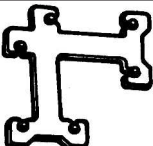
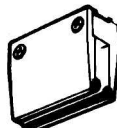

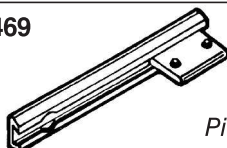

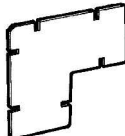
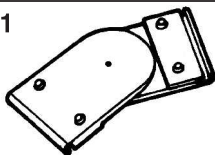
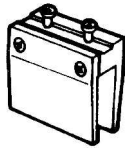
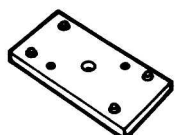






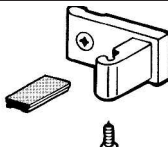

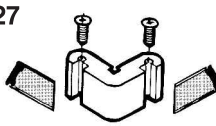





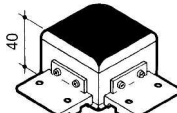
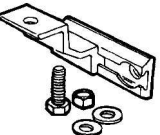
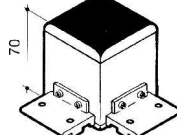
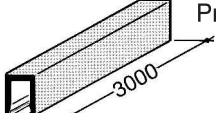

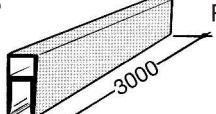

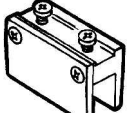
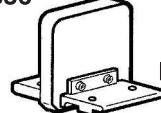
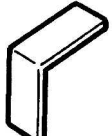

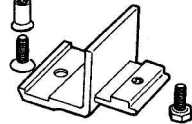
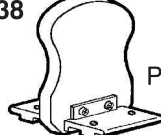
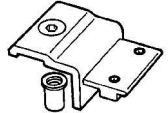

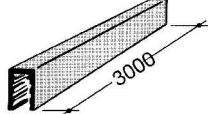
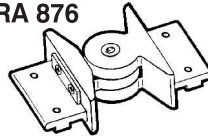
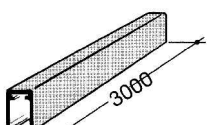

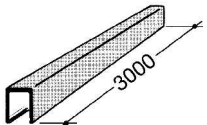

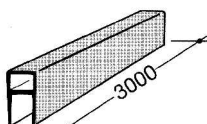
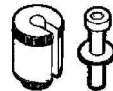
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


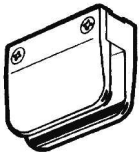
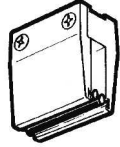
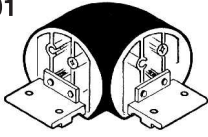
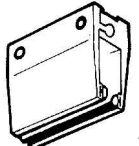
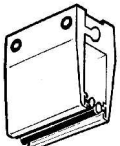
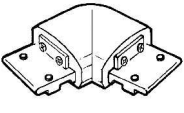
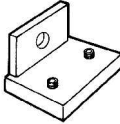



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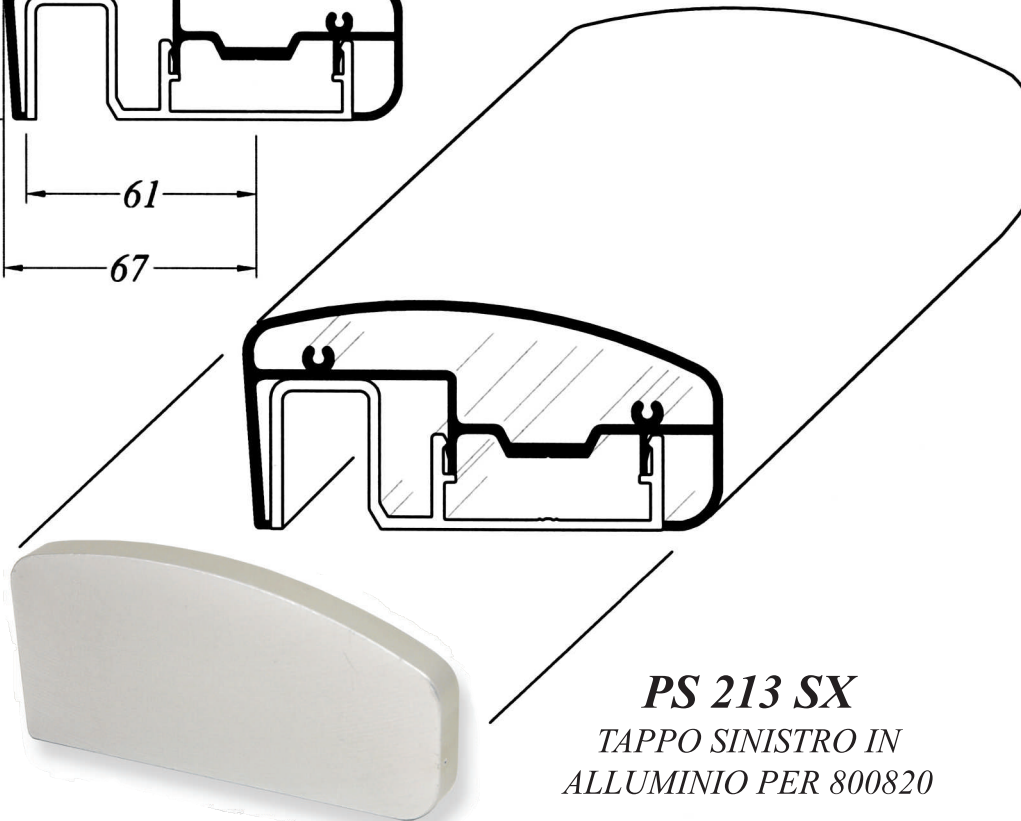
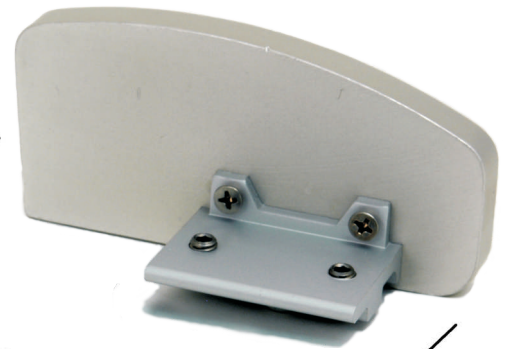
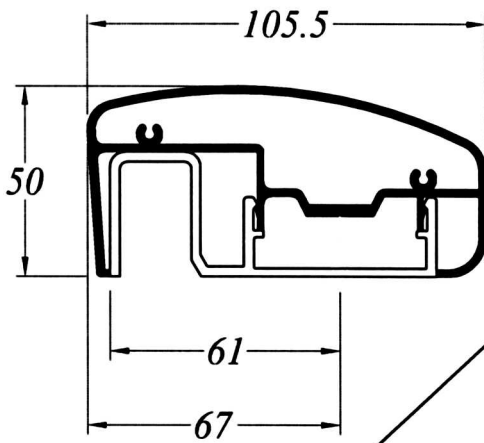
PS 200		<p>Supporto tra montante e corrimano <i>Support between upright - handrail</i> Support entre montant - maincourante <i>Soporte union montante y pasamanos</i></p>	PS 213 dx		<p>Tappo in alluminio per 800820 DX o SX <i>Aluminium plug for 800820 right or left</i> Bouchon d'aluminium pour 800820</p>
PS 201		<p>Supporto d'angolo tra montante e corrimano 200725 <i>Corner support upright to 200725</i> Support d'angle montant et 200725 <i>Angulo soporte montante y 200725</i></p>	PS 213 sx		<p>droite - gauche <i>Tapon en aluminio para 800820</i> <i>derecho - izquierdo</i></p>
PS 202		<p>Squadra diritta per traverse 200591 <i>Straight corner for 200591</i> Equerre pour 200591 <i>Esquadra para 200591</i></p>	PS 214		<p>Profilo in PVC con parte cromata per montante 800821 <i>PVC profil with chromium part</i> Profile de PVC avec partiè chromés <i>Perfil in PVC</i></p>
PS 203		<p>Supporto a sbalzo <i>Support</i> Support <i>Soporte</i></p>	PS 215		<p>Supporto d'angolo tra montante e corrimano <i>Corner support upright to handrail</i> Support d'angle montant et garde corp <i>Angulo soporte montante - pasamanos</i></p>
PS 204		<p>Supporto per tubo Ø 30 <i>Ø 30 bar support</i> Support pour barre ronde Ø 30 <i>Soporte para tubo redondo Ø 30</i></p>			
PS 205		<p>Coppia supporti a sbalzo d'angolo <i>Corner couple of supports</i> Paire de supports d'angle <i>Conjunto soporte angulo</i></p>	<p>TUTTE LE VITERIE SONO IN ACCIAIO INOX -A2- <i>ALL THE SCREWS ARE IN INOX STEEL</i> TOUTES LES VIS SONT D'ACIER INOX <i>TODA LA TORNILLERIA ES EN ACERO INOXIDABLE</i></p>		
PS 206		<p>Attacco per tubo Ø 30 <i>Junction for Ø 30 bars</i> Fixation pour bar Ø 30 <i>Soporte para tubo redondo Ø 30</i></p>			
PS 208		<p>Pinza portavetro verticale <i>Vertical glass clamp</i> Pince vertical pour verre <i>Soporte vertical porta vidrio</i></p>	RG 46		<p>Guarnizione in PVC nero - 8÷10,76 <i>Black PVC gasket (thik. 8÷10,76)</i> Garniture PVC noir (8÷10,76) <i>Guarnicion junquillo para vidrio 8÷10,76 mm</i></p>
PS 209		<p>Pinza con bordi arrotondati verticale <i>Vertical glass clamp</i> Pince vertical pour verre <i>Soporte vertical porta vidrio</i></p>			
PS 210		<p>Fermavetro per pinze verticali <i>Glass stop for vertical clamp</i> Par close pour pince vertical <i>Junquillo para soporte vertical</i></p>	<p>BREVETTO N° MI2000U000144</p> <p>DEPOSITO MARCHIO N° MI2007C004869 DEPOSITO MARCHIO N° MI2008C000596</p> <p>MODELLO COMUNITARIO N° 000862677-0001 MODELLO COMUNITARIO N° 000862677-0002 MODELLO COMUNITARIO N° 000862677-0005 MODELLO COMUNITARIO N° 000862677-0006</p>		
PS 211		<p>Basetta a pavimento in alluminio <i>Aluminium floor base</i> Sabot en aluminium <i>Anclaje a pavimento</i></p>			
PS 212		<p>Basetta d'angolo a pavimento in alluminio <i>Aluminium corner floor base</i> Sabot en aluminium d'angle <i>Anclaje a pavimento</i></p>			

<p>RA 383</p> 	<p>Tappo in alluminio per 200593 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tapon en aluminio para pasamanos</i></p>	<p>RA 451</p> 	<p>Tappo in nylon nero per 200593 <i>Black nylon plug</i> Bouchon de nylon noire <i>Tapon en nylon negro</i></p>
<p>RA 384</p> 	<p>Tappo in alluminio per 200591 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tapon en aluminio para pasamanos</i></p>	<p>RA 452</p> 	<p>Tappo in nylon nero per 200591 <i>Black nylon plug</i> Bouchon de nylon noire <i>Tapon en nylon negro</i></p>
<p>RA 385</p> 	<p>Squadra angolo fissa a 90° <i>Corner joint</i> Equerre à 90° fixe <i>Escuadra fija para angulo de 90°</i></p>	<p>RA 462</p> 	<p>Pinza (mm 70) porta vetro o pannello <i>Clamp fastening for glass</i> Palier pour verre <i>Soporte porta vidrio</i></p>
<p>RA 388</p> 	<p>Squadretta per 200385 <i>Corner joint</i> Equerre <i>Escuadra</i></p>	<p>RA 469</p> 	<p>Piastra fissaggio alla muratura <i>Fixing plate</i> Plaque de fixation <i>Pieza de union de pasamanos a muro</i></p>
<p>RA 389</p> 	<p>Terminale per fissaggio alla muratura <i>End piece for wall fixing</i> Bornal pièce pour fixation <i>Terminal para fijar al muro</i></p>	<p>RA 590</p> 	<p>Squadra allineamento per 800405 <i>Alignment cleat</i> Equerre d'alignement <i>Escuadra de alineamiento</i></p>
<p>RA 391</p> 	<p>Squadra a compasso <i>Compass corner joint</i> Equerre à compas <i>Escuadra a compas</i></p>	<p>RA 659</p> 	<p>Supporto porta vetro per 800232/438 <i>Frame support</i> Palier pour chassis <i>Pinza para vidrio o panel</i></p>
<p>RA 393</p> 	<p>Piastra unione traverse 200591 <i>Connection plate</i> Plaque de jonction <i>Pieza union pasamanos</i></p>	<p>RA 661</p> 	<p>Squadra a 90° per 800232/438 <i>90° corner cleats</i> Equerre a 90° <i>Escuadra 90° para junquillo</i></p>
<p>RA 397</p> 	<p>Distanziatore per telaio porta vetro 200385 <i>Frame spacer</i> Pièce de distance pour chassis <i>Distanciador de marco porta vidrio</i></p>	<p>RA 722</p> 	<p>Tappo in alluminio per 800318 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tape aluminio pasamanos de clipar</i></p>
<p>RA 415</p> 	<p>Tappo in alluminio per 200725 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tapon en aluminio para pasamanos</i></p>	<p>RA 723</p> 	<p>Tappo in nylon nero per 800318 <i>Black nylon plug</i> Bouchon de nylon noire <i>Tape nylon negro pasamanos de clipar</i></p>
<p>RA 416</p> 	<p>Tappo in alluminio per 200594 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tapon en aluminio para pasamanos</i></p>	<p>RA 726</p> 	<p>Attacco muratura per 201012 <i>Wall connection</i> Fixation au mur <i>Soporte muro para junquillo</i></p>
<p>RA 449</p> 	<p>Tappo in nylon nero per 200594 <i>Black nylon plug</i> Bouchon de nylon noire <i>Tapon en nylon negro</i></p>	<p>RA 727</p> 	<p>Squadra a 90° per 201012 <i>90° standing cleat</i> Equerre a 90° <i>Escuadra fija para junquillo a 90°</i></p>
<p>RA 450</p> 	<p>Tappo in nylon nero per 200725 <i>Black nylon plug</i> Bouchon de nylon noire <i>Tapon en nylon negro</i></p>	<p>RA 753</p> 	<p>Tappo in alluminio per 800405 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tape aluminio</i></p>

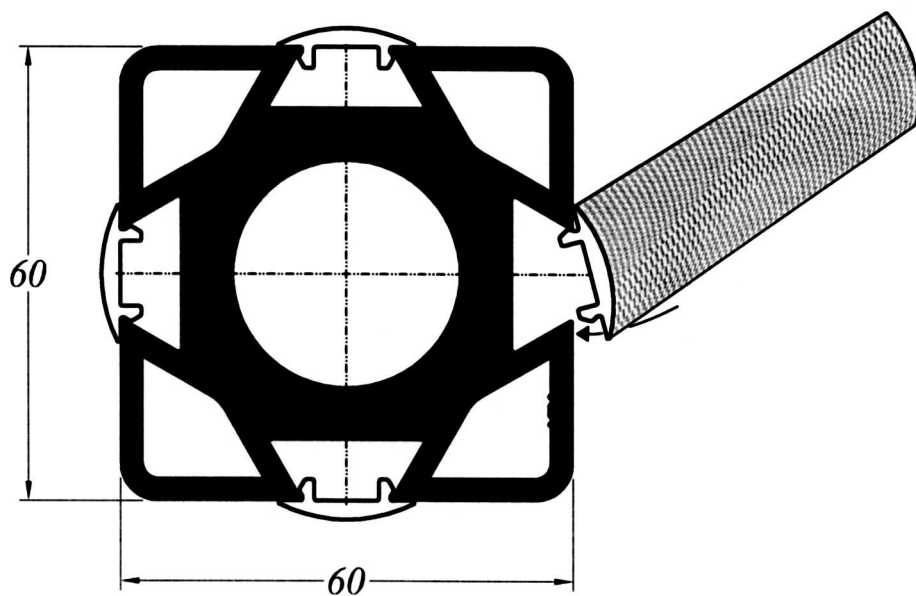
<p>RA 768</p> 	<p>Piastrina diritta di spessoramento per RA 462/891 <i>Thickness for RA 462/891</i> Epaisseur pour RA 462/891 <i>Contrafuerte aluminio para pinza RA 462/891</i></p>	<p>RA 824</p>  <p>Raccordo d'angolo per 200725 <i>Corner joint for 200725</i> Raccordement de coin pour 200725 <i>Union angulo por 200725</i></p>
<p>RA 773</p> 	<p>Supporto terminale regolabile <i>Adjustable ending support</i> Palier terminal réglable <i>Soporte pared angulo variable para pasamanos</i></p>	<p>RA 827</p>  <p>Raccordo d'angolo per 200594 <i>Corner joint for 200594</i> Raccordement de coin pour 200594 <i>Union angulo por 200594</i></p>
<p>RA 781</p> 	<p>Profilo 201012 per vetro mm 8 /8,38 <i>201012 profile</i> Profilè 201012 (ep. 8) <i>Junquillo para vidrio</i></p>	<p>RA 834</p>  <p>Piastra unione passamano (200593) <i>Joint plate for handrail (200593)</i> Plate d'unione pour garde corp (200593) <i>Pieza union pasamano (200593)</i></p>
<p>RA 786</p> 	<p>Profilo 800232 per vetro mm 8 - 8,38 <i>800232 profile</i> Profilè 800232 <i>Junquillo 800232 para pinza</i></p>	<p>RA 835</p>  <p>Piastra unione passamano (200725) <i>Joint plate for handrail (200725)</i> Plate d'unione pour garde corp (200725) <i>Pieza union pasamano (200725)</i></p>
<p>RA 805</p> 	<p>Pinza per intelaiatura 201012-800439-440-441 <i>Frame low support</i> Palier bas pour chassis <i>Soporte inferior para separadores</i></p>	<p>RA 836</p>  <p>Piastra unione passamano (200594) <i>Joint plate for handrail (200594)</i> Plate d'unione pour garde corp (200594) <i>Pieza union pasamano (200594)</i></p>
<p>RA 806</p> 	<p>Angolare guida tenuta angoli telai 800439-800440 <i>Guide for keeping corners</i> Angle <i>Escuadra guia para angulos</i></p>	<p>RA 837</p>  <p>Piastra unione passamano (800318) <i>Joint plate for handrail (800318)</i> Plate d'unione pour garde corp (800318) <i>Pieza union pasamano (800318)</i></p>
<p>RA 807</p> 	<p>Attacco superiore per fissaggio traversa 200725 al divisorio <i>Handrail upper junction</i> Fixation supérieur main courante <i>Anclaje superior para pasamanos</i></p>	<p>RA 838</p>  <p>Piastra unione passamano (800405) <i>Joint plate for handrail (800405)</i> Plate d'unione pour garde corp (800405) <i>Pieza union pasamano (800405)</i></p>
<p>RA 808</p> 	<p>Attacco inferiore per fissaggio traversa 200591 al divisorio <i>Transome lower junction</i> Fixation inférieure <i>Anclaje inferior travesaño</i></p>	<p>RA 869</p>  <p>Tappo in alluminio per 800534 <i>Aluminium plug</i> Bouchon d'aluminium <i>Tapon en aluminio para pasamanos</i></p>
<p>RA 809</p> 	<p>Profilo 800440 per vetro sp. 8/8,38 <i>800440 profile - thik. 8/8,38</i> Profilè 800440 (8/8,38) <i>Perfil porta vidrio de 8/8,38</i></p>	<p>RA 876</p>  <p>Raccordo d'angolo a compasso per 200725 <i>Compassed corner connection for 200725</i> Jonction d'angle à compases pour 200725 <i>Adaptador esquinero graduable para 200725</i></p>
<p>RA 810</p> 	<p>Profilo 800439 per vetro mm. 10.76 (grezzo) <i>800439 profile - thik 10.76</i> Profilè 800439 - 10.76 <i>Perfil porta vidrio de 10.76</i></p>	<p>RA 882</p>  <p>Borchia ornamentale singola <i>Single ornamental stud</i> Clou ornamental unique <i>Detalle ornamental sencillo</i></p>
<p>RA 811</p> 	<p>Profilo 800441 per vetro mm. 10.76 (grezzo) <i>800441 profile - thik 10.76</i> Profilè 800441 - 10.76 <i>Perfil porta vidrio de 10.76</i></p>	<p>RA 883</p>  <p>Borchia ornamentale doppia <i>Double ornamental stud</i> Clou ornamental double <i>Detalle ornamental doble</i></p>
<p>RA 812</p> 	<p>Profilo 800438 per vetro mm. 10.76 (grezzo) <i>800438 profile - thik 10.76</i> Profilè 800438 - 10.76 <i>Perfil porta vidrio de 10.76</i></p>	<p>RA 884</p>  <p>Boccola per barretta tonda 30x2 <i>Rest bushing for round bar 30x2</i> Coquille pour petit bar 30x2 <i>Casquillo para barrote redondo 30x2</i></p>

<p>RA 885</p> 	<p>Boccola per barretta tonda 20x2 Rest bushing for round bar 20x2 Coquille pour petit bar 20x2 Casquillo para barrote redondo 20x2</p>	
<p>RA 887</p> 	<p>Tappo in ABS per tondo 30x2 ABS plug for 30x2 round rod Bouchon en ABS pour rotonde 30x2 Tapon en ABS por redondo 30x2</p>	
<p>RA 888</p> 	<p>Tappo in nylon per tondo 30x2 Nylon plug for 30x2 round rod Bouchon en nylon pour rotonde 30x2 Tapon en nylon por redondo 30x2</p>	
<p>RA 891</p> 	<p>Pinza (mm. 70) con bordi arrotondati Round rim clamp fastening (mm. 70) Pince (mm. 70) avec bords arrondis Pinza (70.mm) esquinas redondas</p>	
<p>RA 892</p> 	<p>Pinza ridotta(mm. 50) Reduced clamp fastening (mm. 50) Pince réduite (mm. 50) Pinza reducida (50.mm)</p>	
<p>RA 901</p> 	<p>Raccordo d'angolo per 800318 Corner joint for 800318 Raccordement de coin pour 800318 Union angulo por 800318</p>	
<p>RA 905</p> 	<p>Pinza (mm 70) per vetri (6÷11) e telai (mm 70) clamp fastening for glass (6÷11) and frames Pince (mm 70 à verre (6÷11) et chassis Pinza (mm 70) para vidrio (6÷11) y perfil</p>	
<p>RA 906</p> 	<p>Pinza (mm 50) per vetri (6÷11) e telai (mm 50) clamp fastening for glass (6÷11) and frames Pince (mm 50 à verre (6÷11) et chassis Pinza (mm 50) para vidrio (6÷11) y perfil</p>	
<p>RA 911</p> 	<p>Raccordo d'angolo a 90° per 200593 Corner joint for 200593 Raccordement de coin pour 200593 Union angulo por 200593</p>	
<p>RA 914</p> 	<p>Terminale a muro End piece for wall fixing Bornal pièce pour fixage Terminal para fijar al muro</p>	
<p>RG 46</p> 	<p>Guarnizione in PVC nero - 8÷10,76 Black PVC gasket (thick. 8÷10,76) Garniture PVC noir (8÷10,76) Guarnicion junquillo para vidrio 8÷10,76 mm</p>	
<p>TUTTE LE VITERIE SONO IN ACCIAIO INOX - A2 - ALL THE SCREWS ARE IN INOX STEEL TOUTES LES VIS SONT D'ACIER INOX TODA LA TORNILLERIA ES EN ACERO INOXIDABLE.</p>		

PS 213 DX
TAPPO DESTRO IN
ALLUMINIO PER 800820

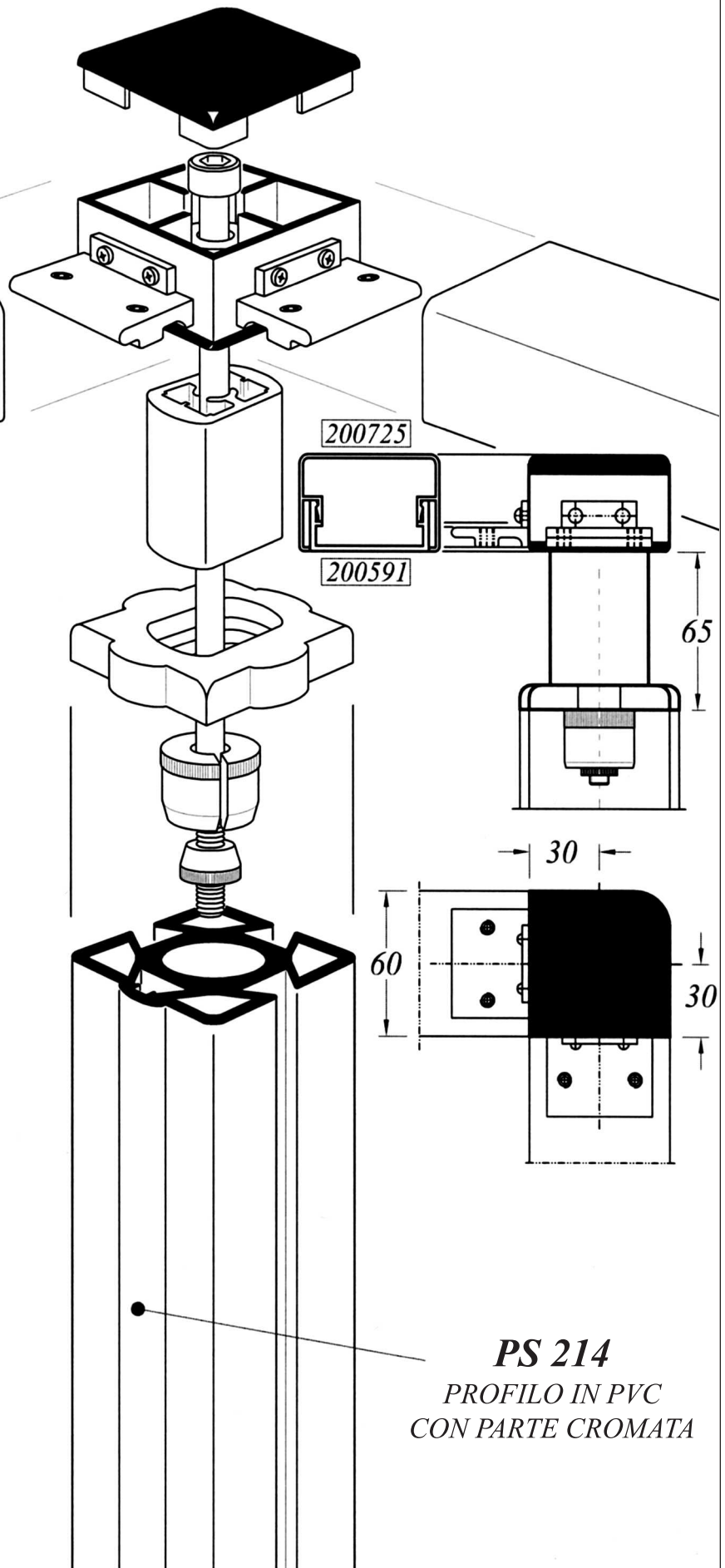


PS 213 SX
TAPPO SINISTRO IN
ALLUMINIO PER 800820



PS 214
PROFILO IN PVC
CON PARTE CROMATA



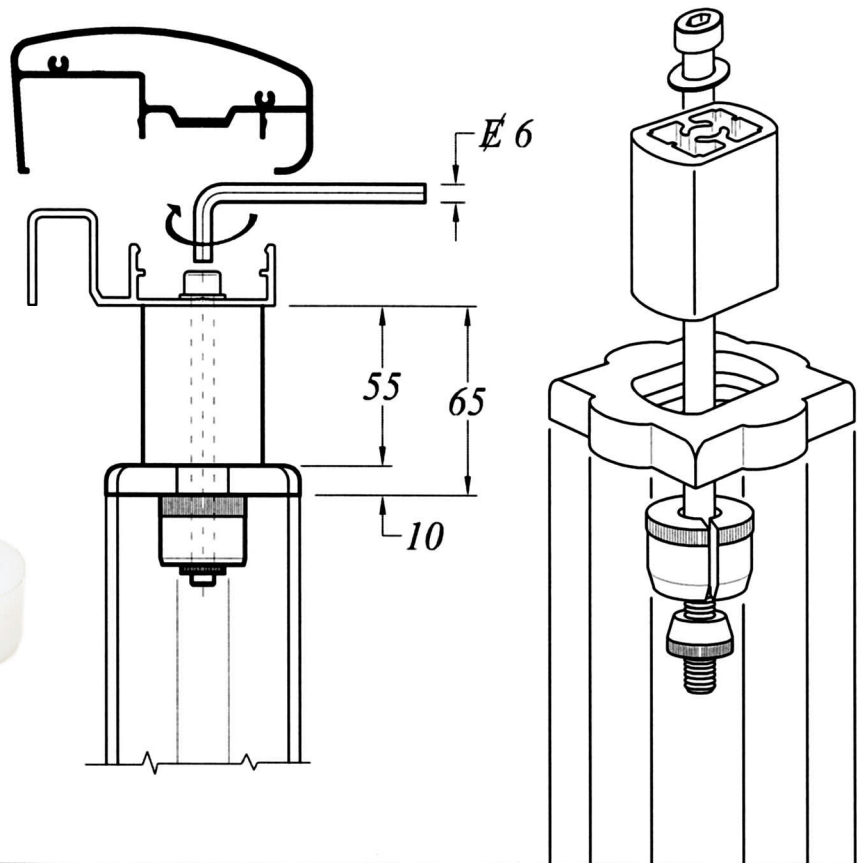


PS 201
SUPPORTO D'ANGOLO
TRA MONTANTE E 200725
VITERIA IN ACCIAIO INOX

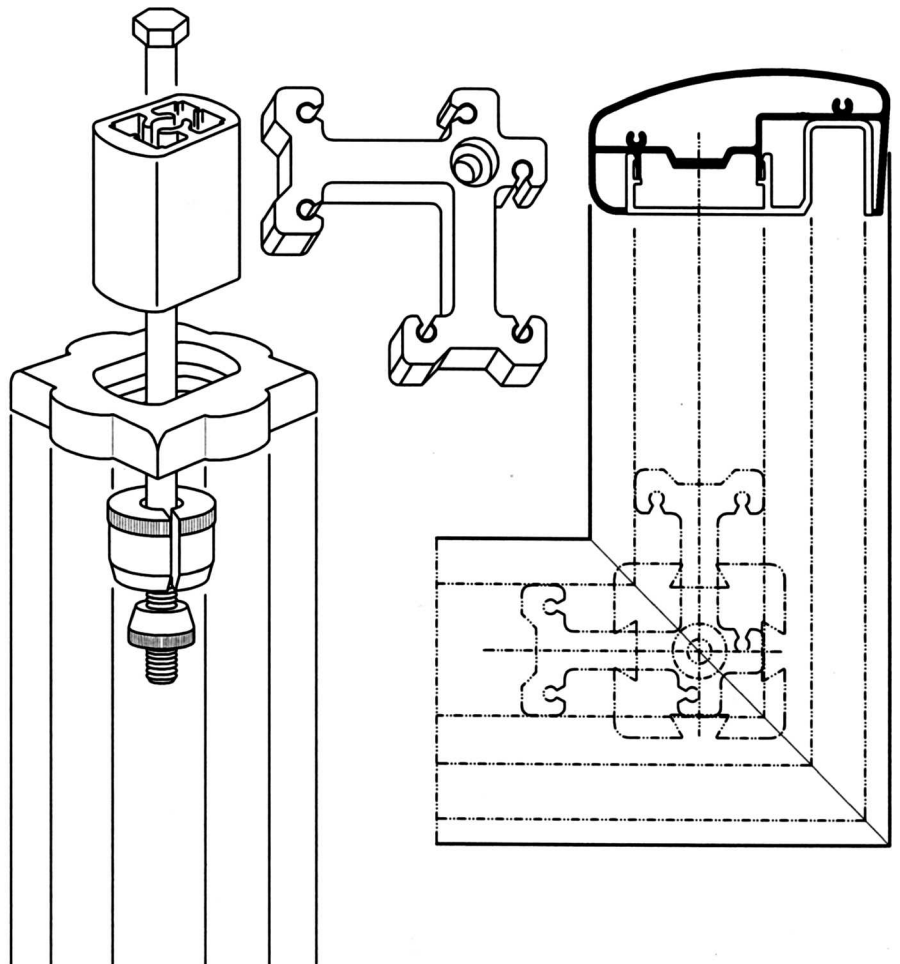


PS 214
PROFILO IN PVC
CON PARTE CROMATA

PS 200
SUPPORTO
TRA MONTANTE E
CORRIMANO
VITERIA IN INOX

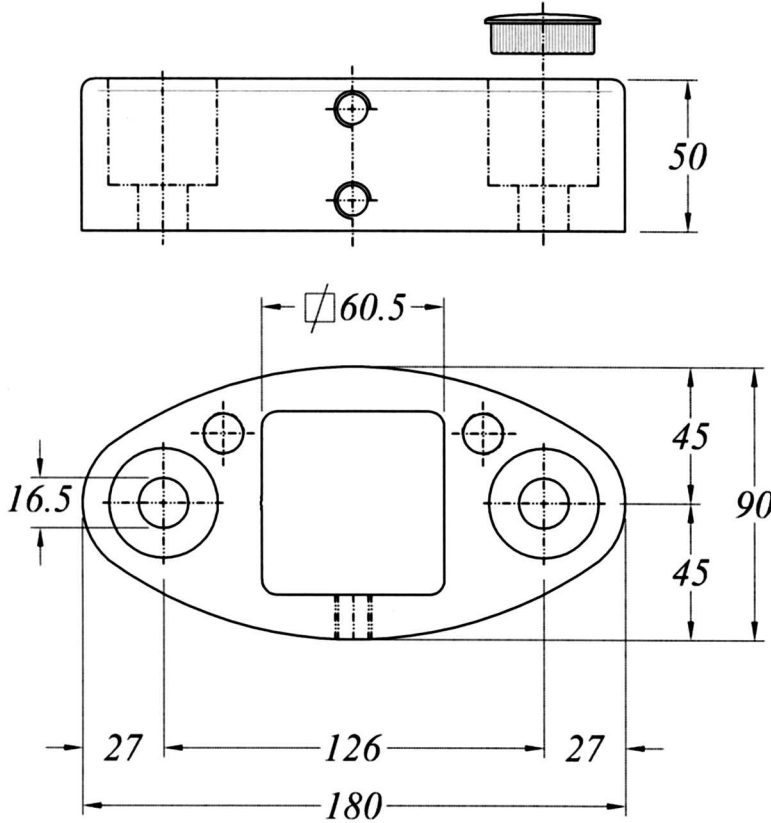


PS 215
SUPPORTO D'ANGOLO
TRA MONTANTE E
CORRIMANO
VITERIA IN INOX



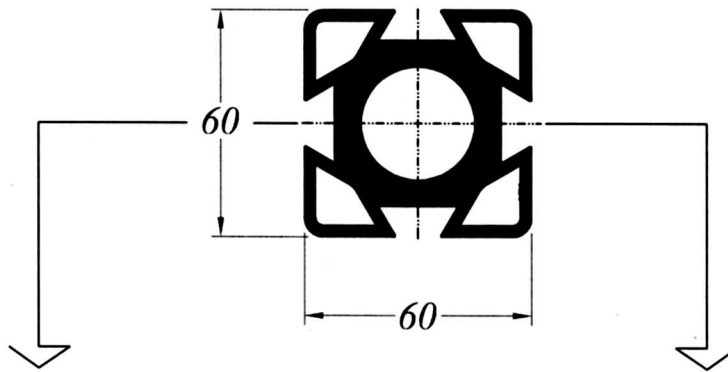
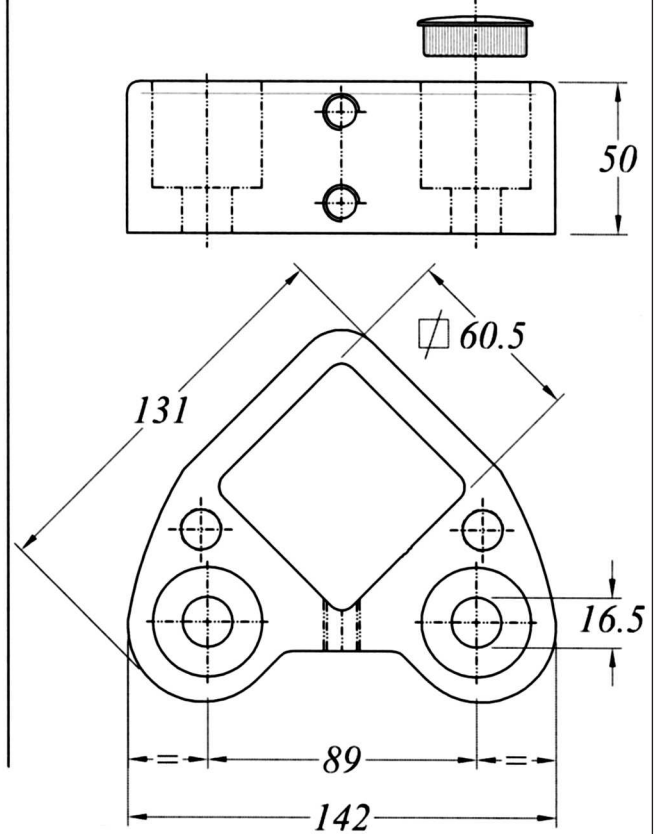
PS 211

*BASETTA A PAVIMENTO
IN ALLUMINIO ESTRUSO, COMPLETA DI
TAPPI IN ABS E VITERIA IN ACCIAIO INOX*



PS 212

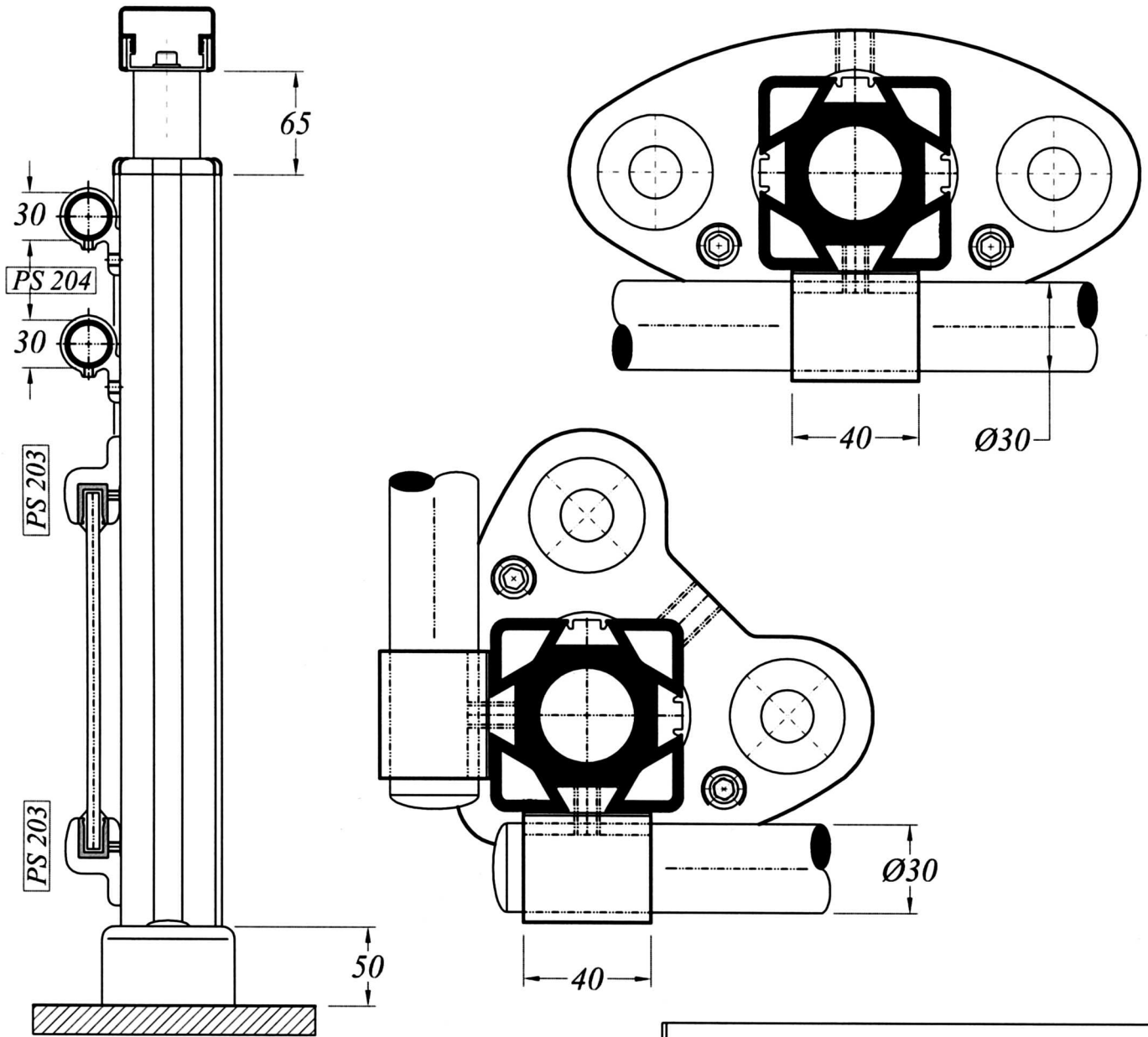
*BASETTA D'ANGOLO A PAVIMENTO
IN ALLUMINIO ESTRUSO, COMPLETA DI
TAPPI IN ABS E VITERIA IN INOX*



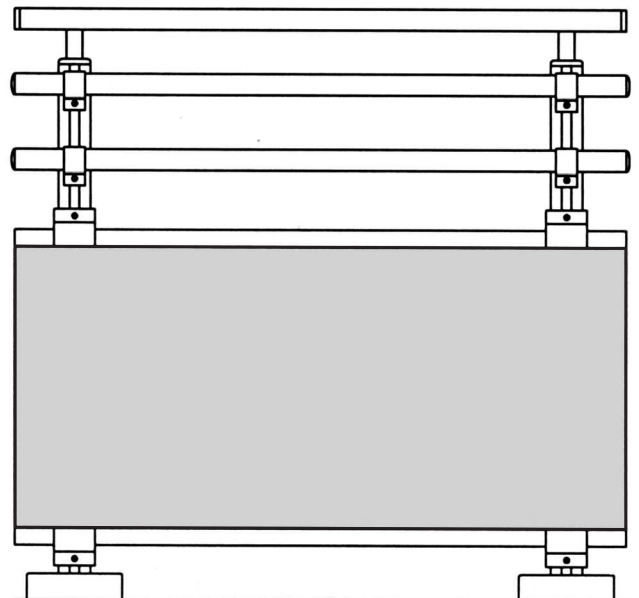
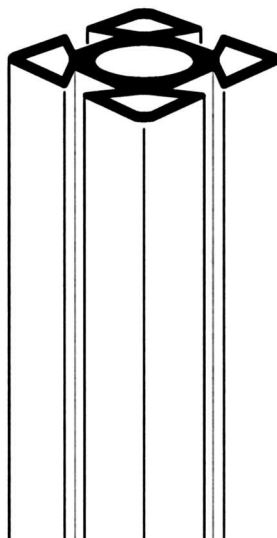
PS 211

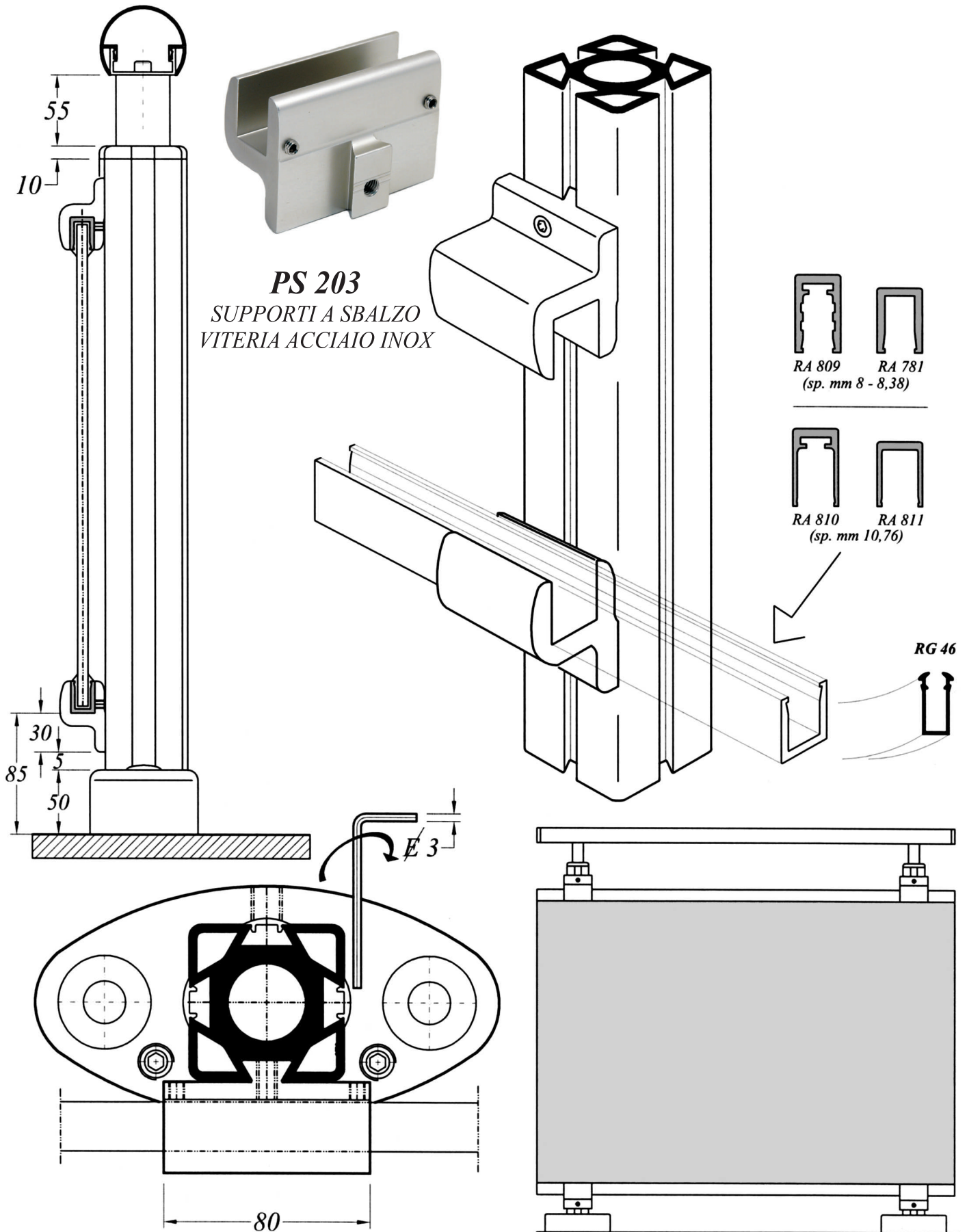


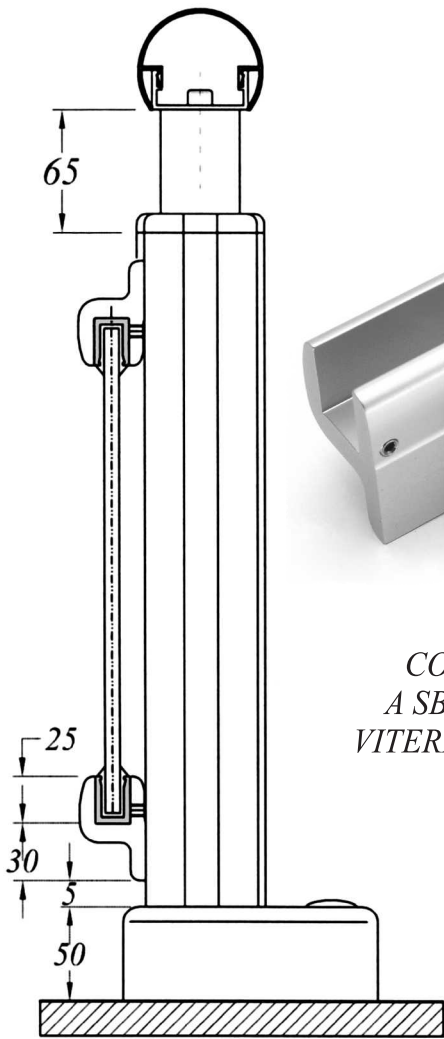
PS 212



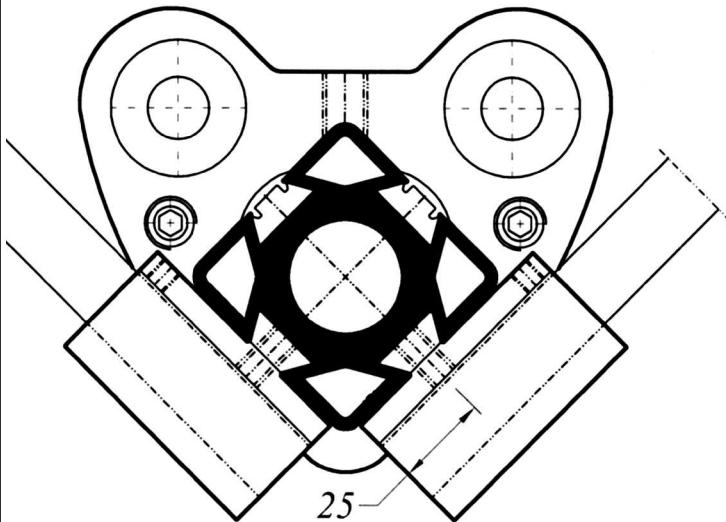
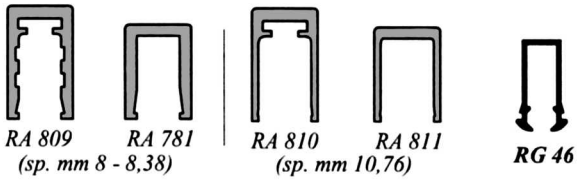
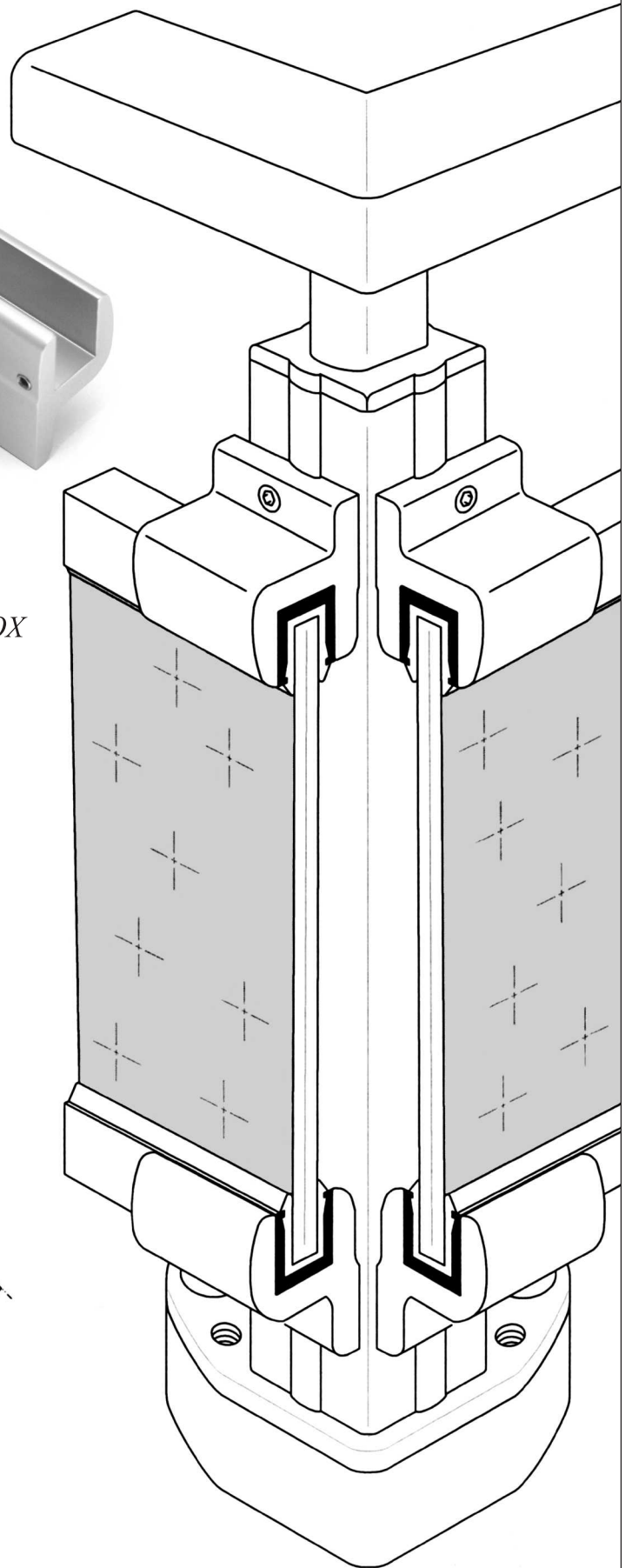
PS 204
SUPPORTO PER TUBO Ø30
VITERIA IN INOX

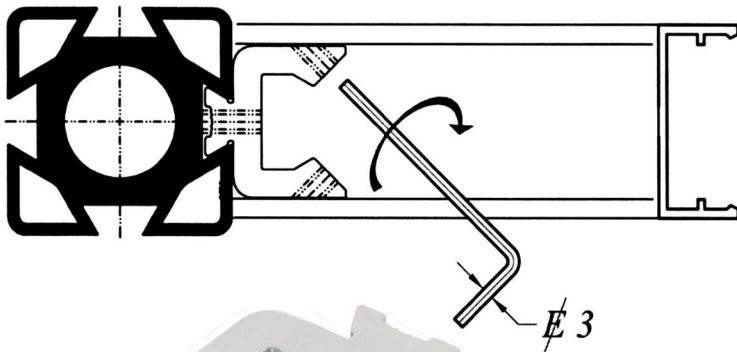




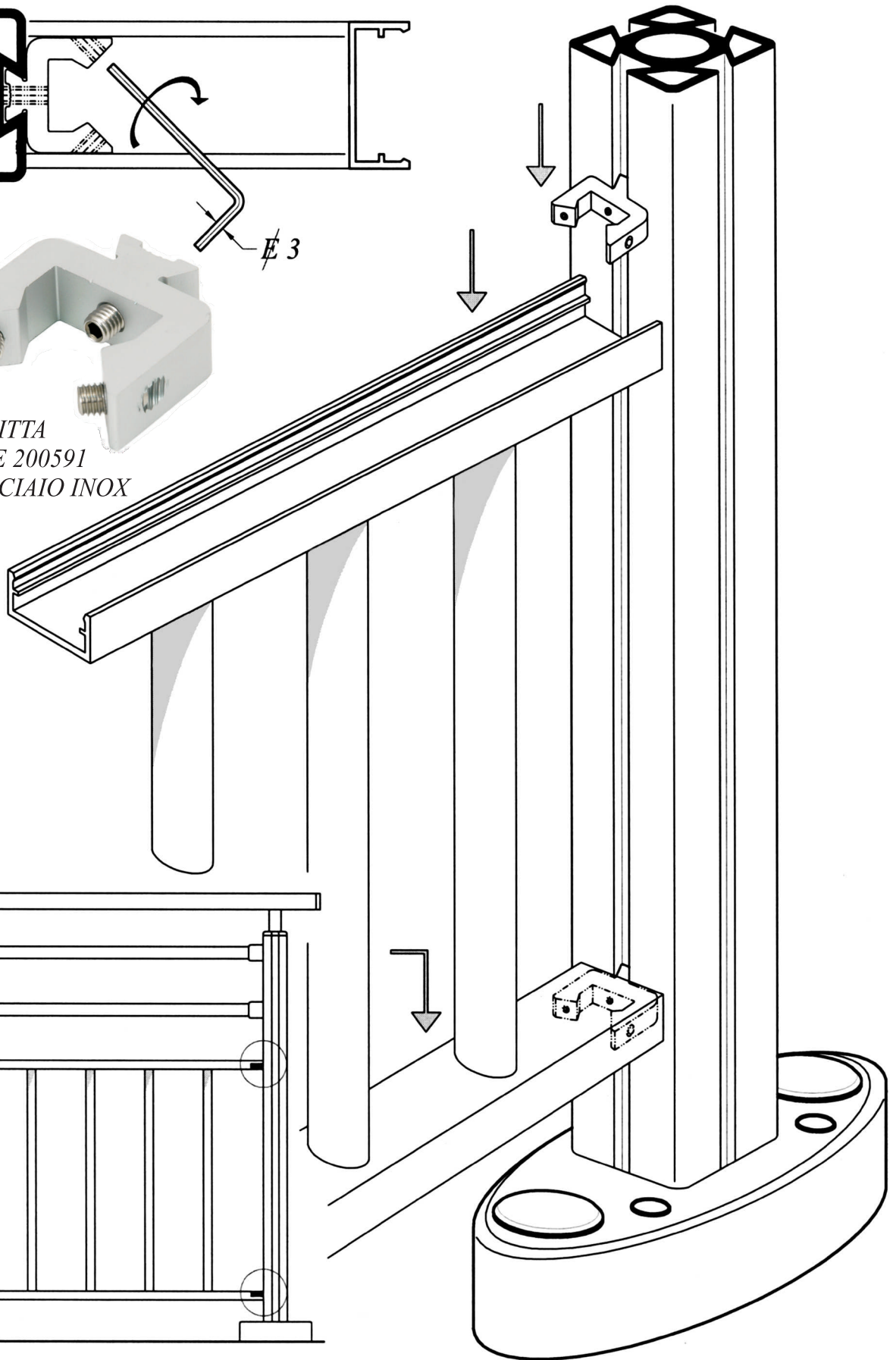


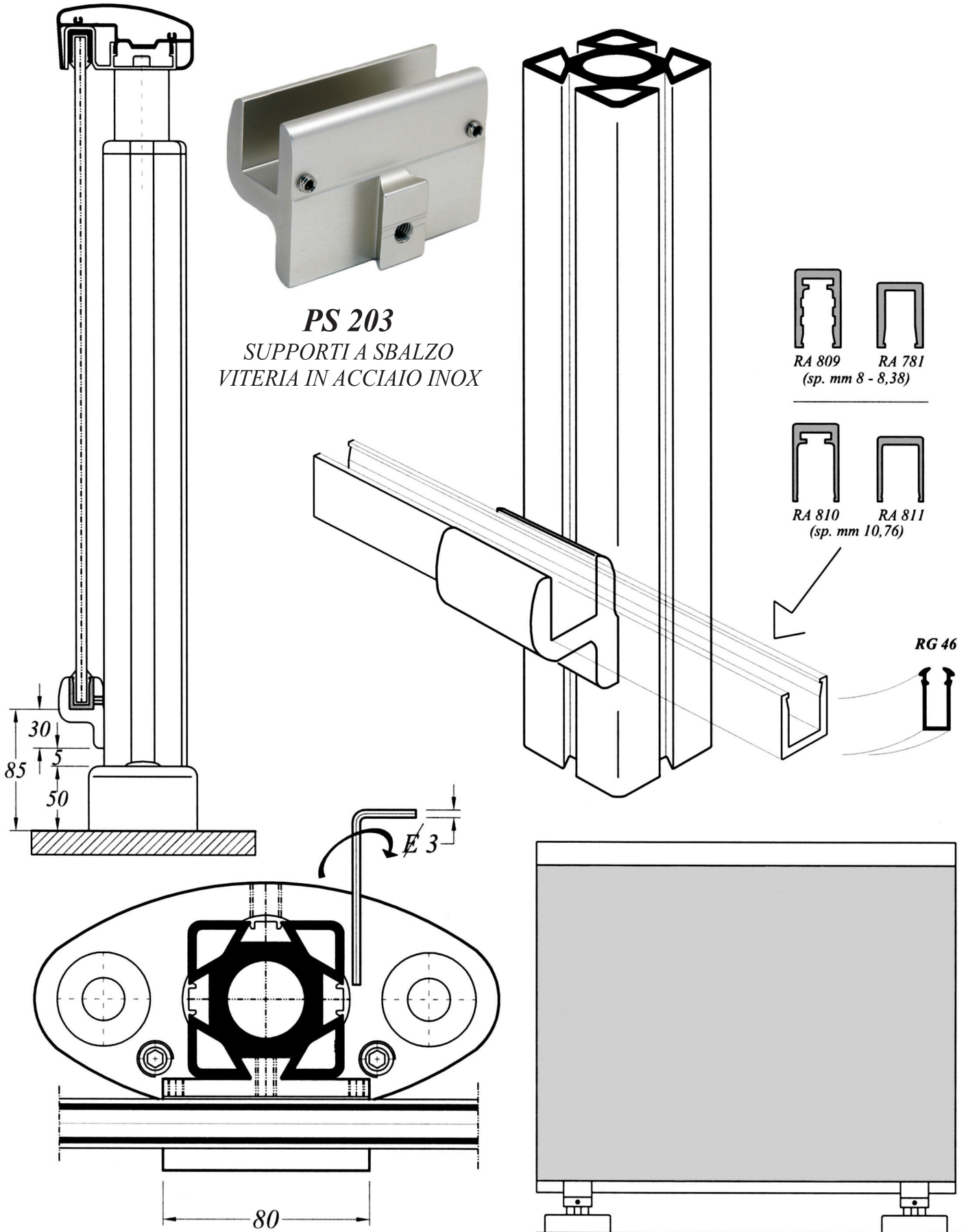
PS 205
COPPIA SUPPORTI
A SBALZO D'ANGOLO
VITERIA IN ACCIAIO INOX

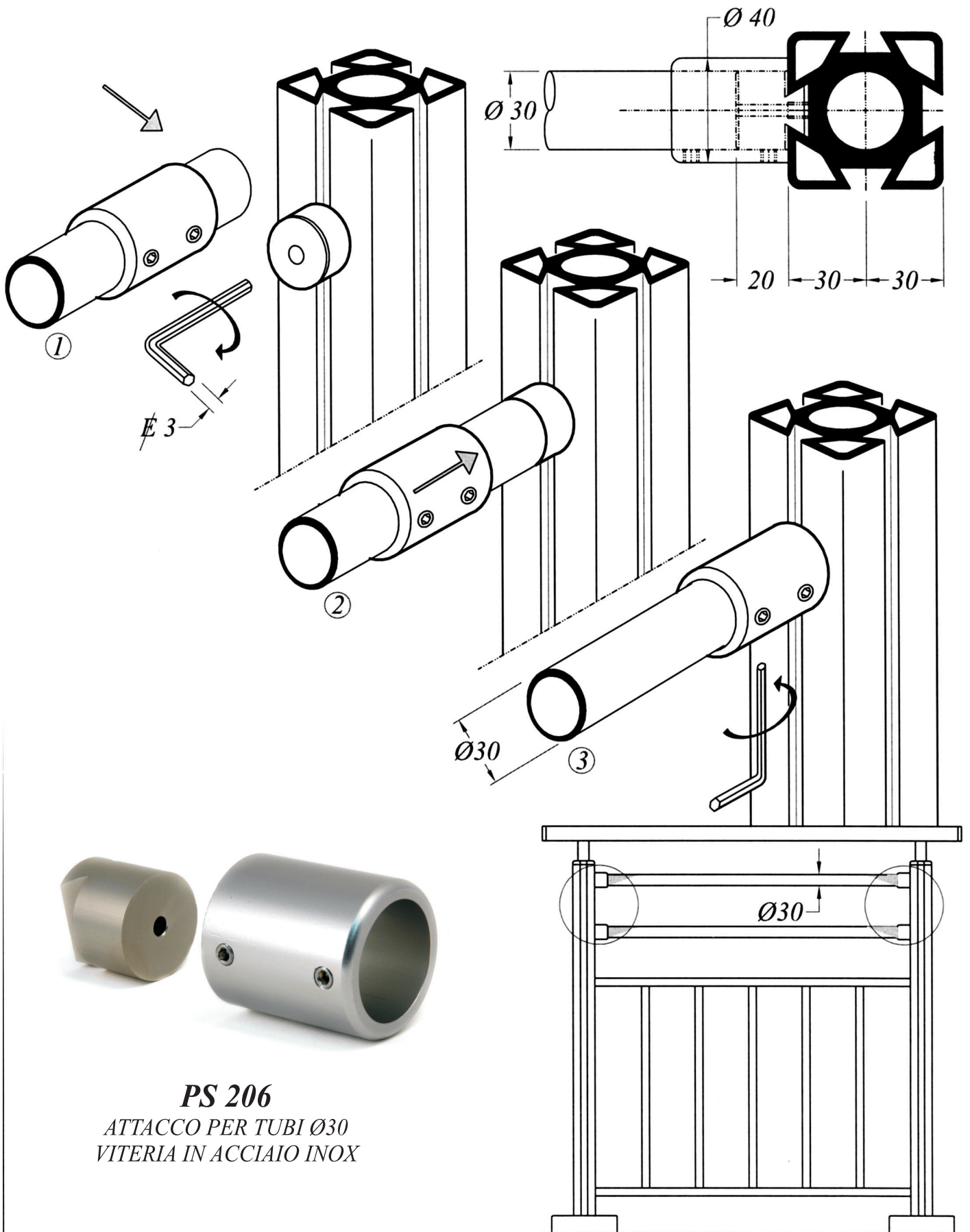




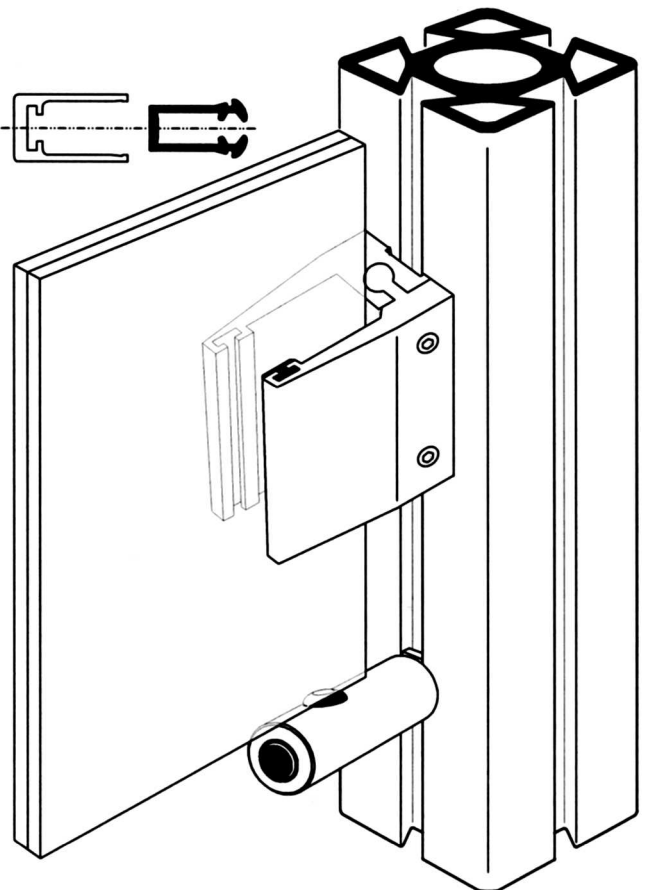
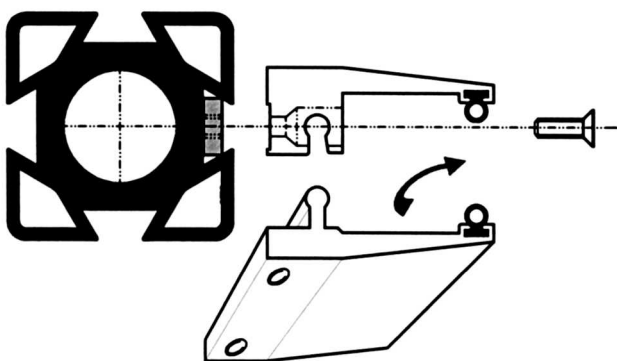
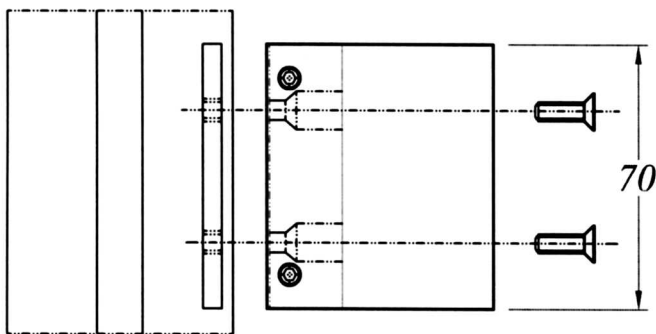
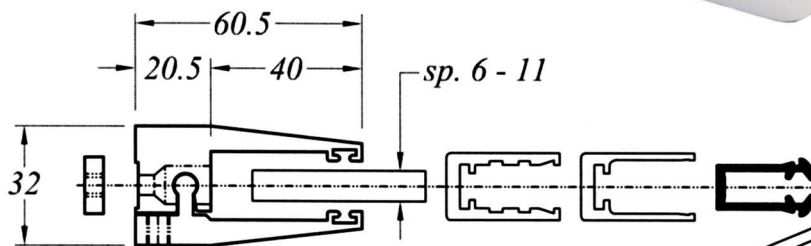
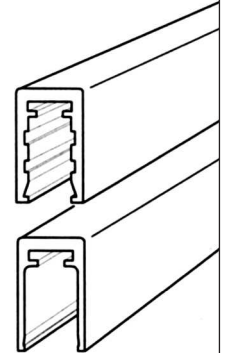
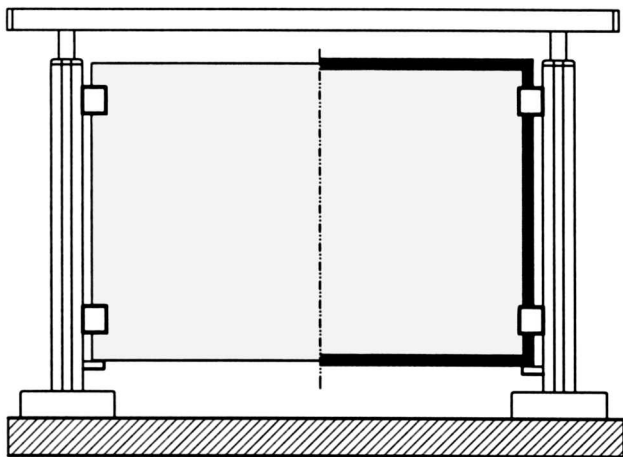
PS 202
SQUADRA DIRITTA
PER TRAVERSE 200591
VITERIA IN ACCIAIO INOX







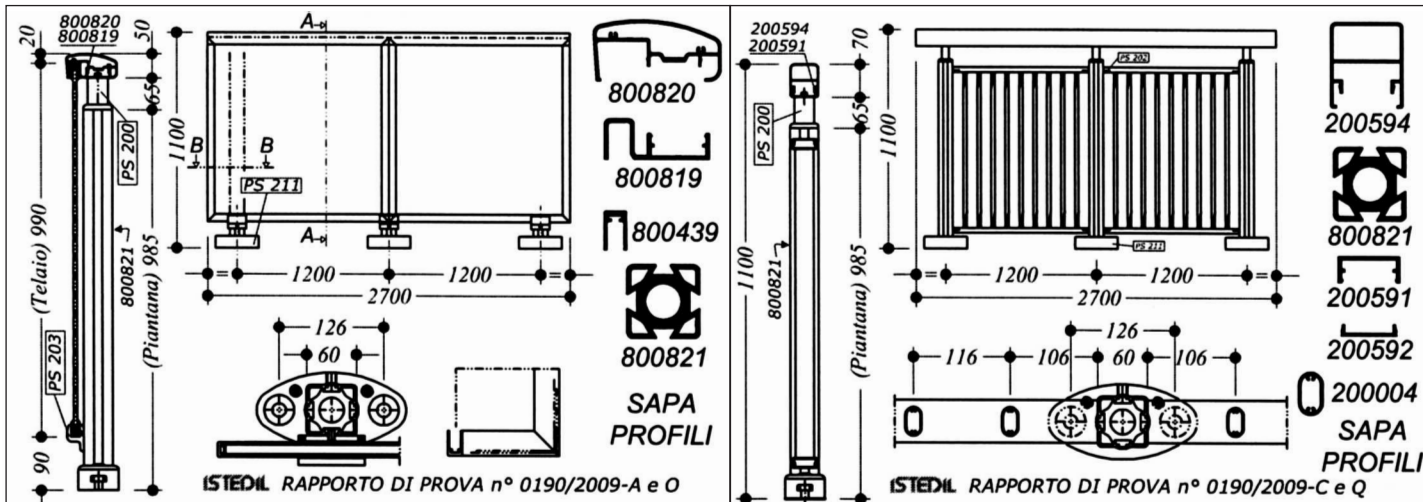
PS 209
 PINZA PORTAVETRO VERTICALE
 CON BORDI ARROTONDATI
 VITERIA IN INOX



PS 208
 PINZA PORTAVETRO
 VERTICALE
 VITERIA IN INOX



PS 210
 FERMAVETRO
 PER PINZE VERTICALI
 VITERIA IN INOX



RIFERIMENTI NORMATIVI

RESISTENZA CARICO STATICO.

La prova è stata eseguita in analogia alla UNI 10806 applicando una forza orizzontale pari ai carichi previsti per la Categoria C3 riportati nella tabella 3.1 II (3 kN/m) nel **Decreto 14/01/2008 del Ministero delle Infrastrutture e dei Trasporti – Serie Generale n°29** – Il carico, applicato sul corrimano del parapetto, agiva su tredici punti equo distanti tra loro 20 cm, collocati a partire dal piantone laterale.

RESISTENZA AL CARICO DINAMICO

La prova è stata eseguita secondo le prescrizioni della norma UNI 10807 del gennaio 1999 "Ringhiere, Balaustre o Parapetti – determinazione della resistenza meccanica ai carichi dinamici –

MODALITA' DELLA PROVA

Il campione fissato inferiormente a pavimento, è stato sottoposto a:

- carico statico orizzontale ripartito di 3 kN/m sul mancorrente, corrispondente ad un carico totale di 8,1 kN;
- carico dinamico secondo la norma UNI 10807

CONCLUSIONI

RESISTENZA AL CARICO STATICO.

In base alla prova eseguita, in base ai risultati ottenuti ed in base a quanto indicato nella tabella 3.1.11 del D.M. Infrastrutture del 14/01/2008, il campione in esame, costituito da un parapetto, denominato PLUS SYSTEM vincolato a pavimento e composto da Profili SAPA ed Accessori COMPAS S.r.l. risulta conforme alle prescrizioni del D.M. Infrastrutture del 14/01/2008 stesso.

Carico statico lineare orizzontale	3 kN/m
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RESISTENZA AL CARICO DINAMICO.

In base alla prova eseguita, in base ai risultati ottenuti ed in base a quanto indicato nella norma UNI 10807, il campione in esame, costituito da un parapetto denominato "PLUS SYSTEM" vincolato a pavimento e composto da Profili SAPA ed Accessori COMPAS S.r.l. riporta i seguenti risultati: Durante ed al termine dei tre urti consecutivi:

- Sulla linea mediana del corrimano compresa tra due piantoni
- Sommità del piantone
- A metà altezza in corrispondenza della linea mediana compresa tra due piantoni

Non è stata rilevata alcuna fessurazione o rottura; l'ancoraggio è risultato integro

NORMATIVE REFERENCES

STATIC-LOAD RESISTANCE

The test was performed in accordance with UNI 10806 by applying a horizontal force equivalent to the loads for Category C3 specified in Table 3.1.11 (3 kN/m) in **Decree 14/01/2008 of the Ministry of Infrastructure and Transport - General Series n° 29** - The load, which was applied to the top rail, acted on thirteen points equally spaced 20 cm apart, starting from the side column.

DYNAMIC-LOAD RESISTANCE

The test was performed in accordance with the requirements of the UNI 10807 standard of January 1999 'Railing systems - determination of mechanical resistance to dynamic loads -

TEST METHOD

The sample fixed to the floor at the bottom was subjected to:

- a distributed horizontal static load of 3 kN/m on the hand rail corresponding to a total load of 8.1 kN;
- a dynamic load according to the UNI 10807 standard.

CONCLUSIONS

STATIC-LOAD RESISTANCE

On the basis of the performed test, the results obtained and that indicated in Table 3.1.11 of the Ministry of Infrastructure Decree of 14/01/2008, the test sample, consisting of a rail, called PLUS SYSTEM, fixed to the floor and consisting of SAPA profiles and COMPAS S.r.l. accessories, meets the requirements of the Ministry of Infrastructure Decree of 14/01/2008.

Horizontal linear static load	3 kN/m
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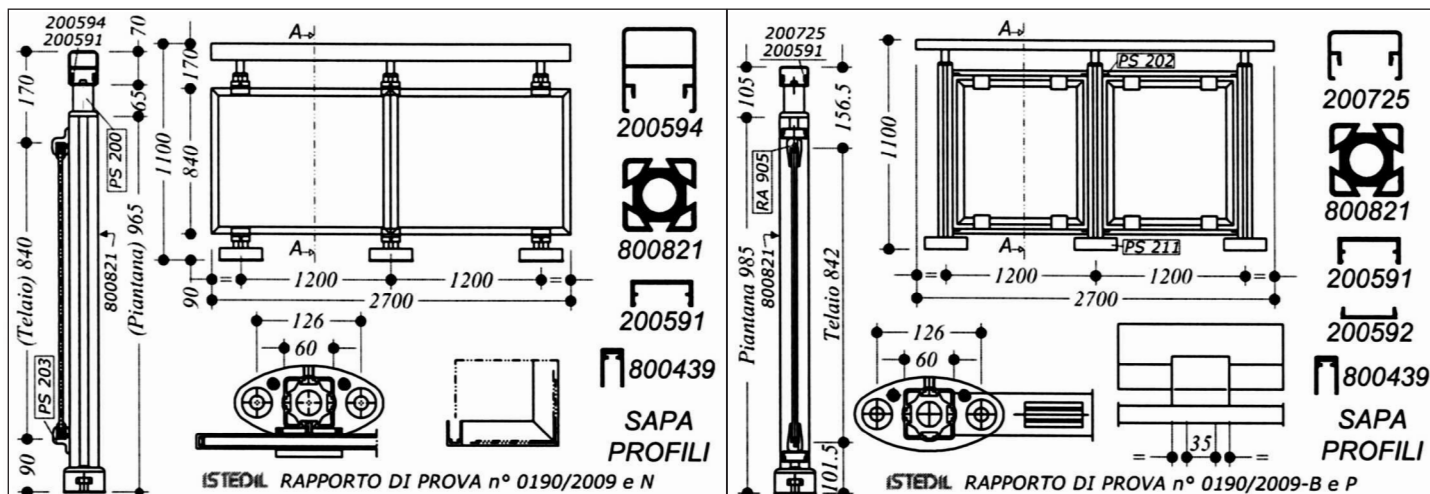
DYNAMIC-LOAD RESISTANCE

On the basis of the performed test, the results obtained and that indicated in the UNI 10807 standard, the test sample, consisting of a rail, called PLUS SYSTEM, fixed to the floor and consisting of SAPA profiles and COMPAS S.r.l. accessories, showed the following results.

During and after three consecutive impacts:

- On the mid-line of the rail between two columns
- Top of column
- Halfway up near the mid-line between the two columns

No cracks or rupture were detected; the anchorage was not damaged



RÉFÉRENCES NORMATIVES

RÉSISTANCE À LA CHARGE STATIQUE.

L'essai a été exécuté conformément à la norme UNI 10806 en appliquant une force horizontale égale aux charges prévues par la Catégorie C3, reportées dans la tableau 3.1.11 (3 kN/m) de l'Arrêté 14/01/2008 du Ministère des Infrastructures et des Transports - Série Générale n° 29 - La charge, appliquée sur la main courante du parapet, agissait sur treize points équidistant les uns des autres 20 cm, placés à partir du poteau latéral

RÉSISTANCE À LA CHARGE DYNAMIQUE

L'essai a été exécuté selon les prescriptions de la norme UNI 10807 de janvier 1999 "Garde-corps, Balustrades ou Parapets - détermination de la résistance mécanique aux charges dynamiques -

MODALITÉS DE L'ESSAI

L'échantillon fixé au sol sur la partie inférieure, a été soumis à:

- charge statique horizontale répartie de 3 kN/m sur la main courante, correspondant à une charge totale de 8,1 kN;
- charge dynamique selon la norme UNI 10807

CONCLUSIONS

RÉSISTANCE À LA CHARGE STATIQUE.

D'après l'essai exécuté, d'après les résultats obtenus et suivant les indications reportées dans le tableau 3.1.11 de l'A.M. Infrastructures du 14/01/2008, l'échantillon examiné, constitué d'un parapet appelé PLUS SYSTEM fixé au sol et composé de Profils SAPA et d'Accessoires COMPAS S.r.l. résulte conforme aux prescriptions dudit A.M. Infrastructures du 14/01/2008.

Charge statique linéaire horizontale	3 kN/m
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RÉSISTANCE À LA CHARGE DINAMIQUE.

D'après l'essai exécuté, d'après les résultats obtenus et suivant les indications de la norme UNI 10807, l'échantillon examiné, constitué d'un parapet appelé "PLUS SYSTEM" fixé au sol et composé de Profils SAPA et d'Accessoires COMPAS S.r.l. reporte les résultats suivants:

- Pendant et à la fin des trois chocs consécutifs:
- Sur la ligne médiane de la main courante comprise entre deux poteaux
 - Sommet du poteau
 - A mi-hauteur en correspondance de la ligne médiane comprise entre deux poteaux
- Il n'a été relevé aucune fissure ou rupture; l'ancrage est intact.

REFERENCIAS NORMATIVAS

RESISTENCIA A LA CARGA ESTÁTICA

La prueba se realizó de acuerdo con la norma UNI 10806 aplicando una fuerza horizontal equivalente a las cargas de categoría C3 especificadas en la Tabla 3.1.11 (3 kN/m) del Decreto del 14/01/2008 del Ministerio de Infraestructura y Transporte - Serie general N.º 29. La carga aplicada a la baranda superior actuó sobre trece puntos separados 20 cm de manera uniforme, comenzando a partir de la columna lateral.

RESISTENCIA A LA CARGA DINÁMICA

La prueba se realizó de acuerdo con los requisitos de la norma UNI 10807 de enero de 1999 "Sistemas de barandas - determinación de la resistencia mecánica a las cargas dinámicas".

MÉTODO DE PRUEBA

La muestra fijada al piso por la base fue sometida a lo siguiente:

- Una carga estática horizontal distribuida de 3 kN/m sobre la baranda, correspondiente a una carga total de 8,1 kN.
- Una carga dinámica conforme a la norma UNI 10807.

CONCLUSIONES

RESISTENCIA A LA CARGA ESTÁTICA

Sobre la base de la prueba realizada, de los resultados obtenidos y de lo indicado en la Tabla 3.1.11, del Decreto del 14/01/2008 del Ministerio de Infraestructura, la muestra de prueba, consistente en una baranda llamada PLUS SYSTEM fijada al piso, perfiles SAPA y accesorios de COMPAS S.r.l., cumple con los requisitos del mencionado decreto del Ministerio de Infraestructura.

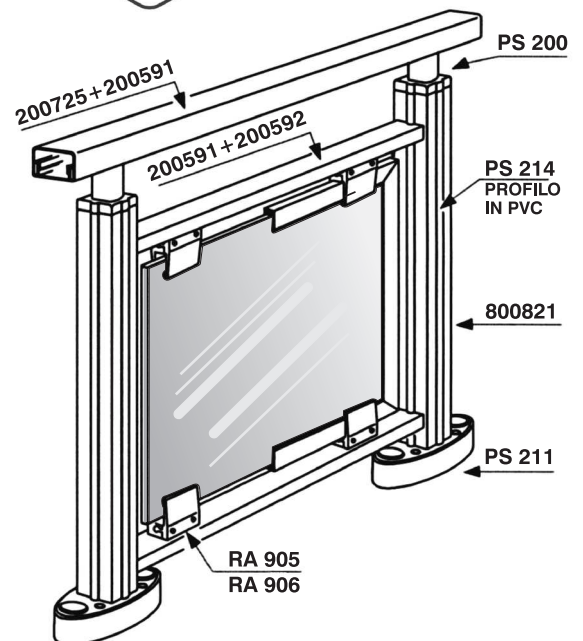
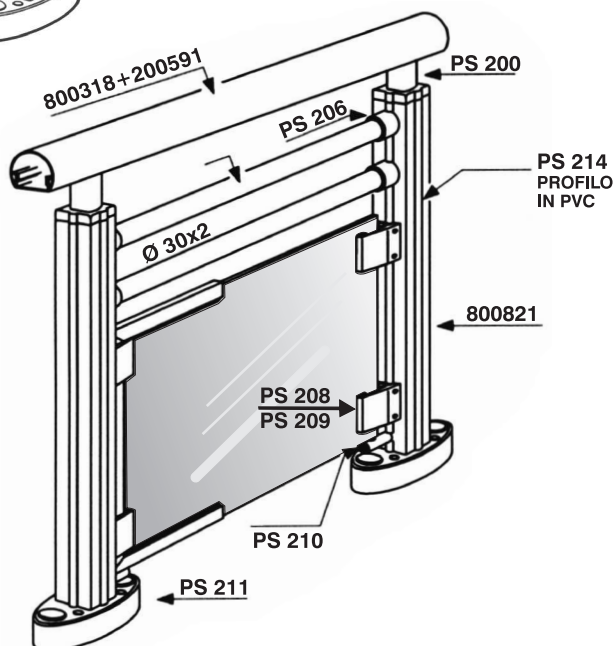
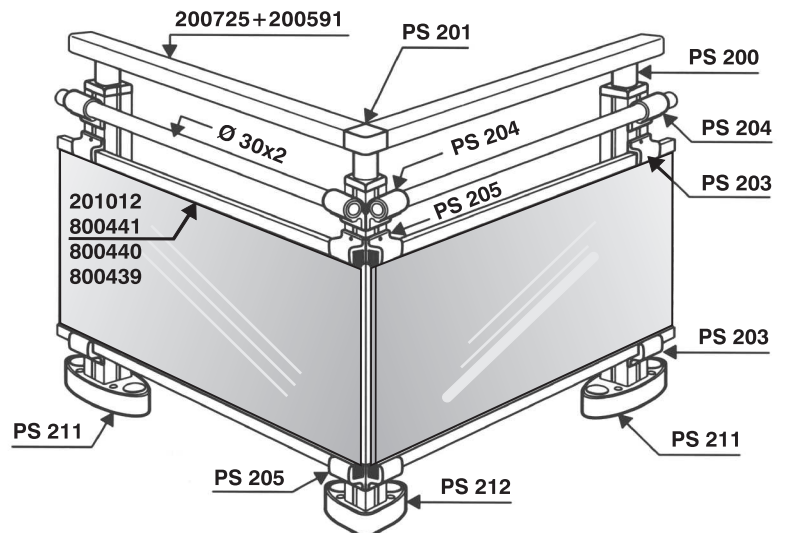
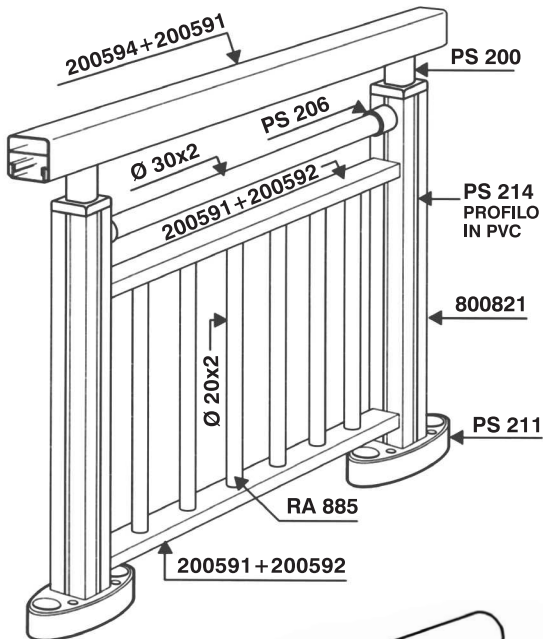
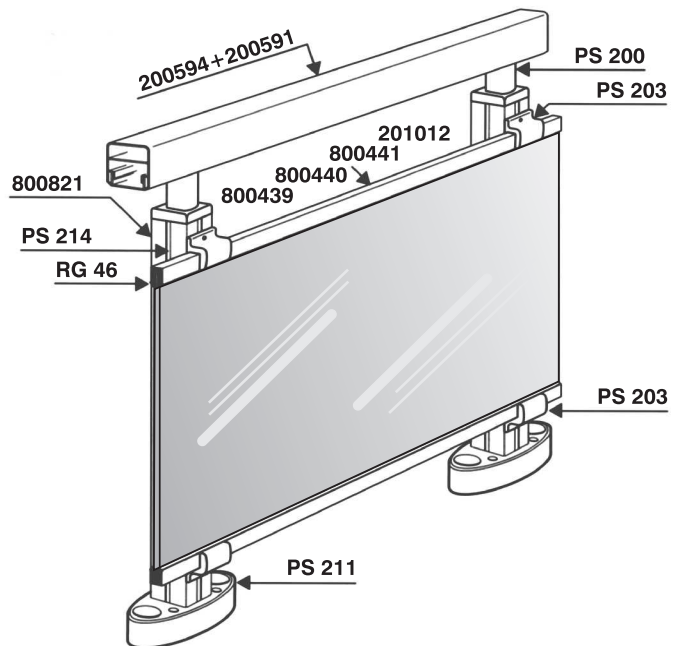
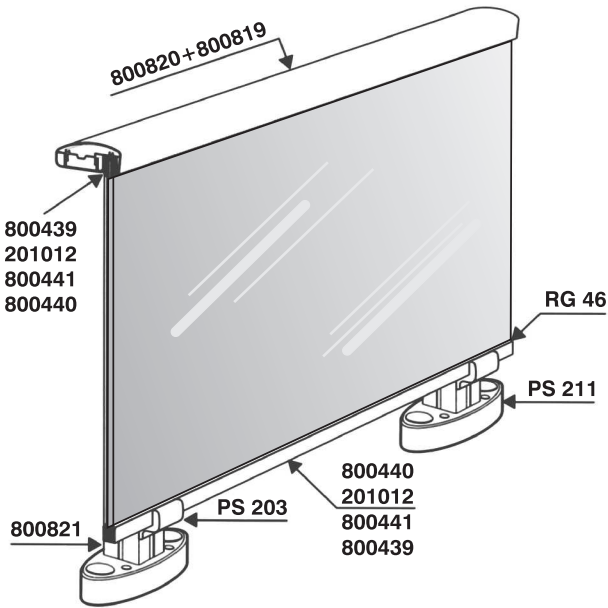
Carga estática lineal horizontal	3 kN/m
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RESISTENCIA A LA CARGA DINÁMICA

Sobre la base de la prueba realizada, de los resultados obtenidos y de lo indicado en la norma UNI 10807, la muestra de prueba, consistente en una baranda llamada PLUS SYSTEM fijada al piso, perfiles SAPA y accesorios de COMPAS S.r.l., mostró los siguientes resultados.

Durante y después de tres impactos consecutivos:

- Sobre la línea media de la baranda entre dos columnas
 - En la parte superior de la columna
 - A medio camino hacia arriba, cerca de la línea media entre las dos columnas
- No se detectaron rajaduras ni ruptura; el anclaje no resultó dañado.





Dasa-Räger

IQ-0900-20

Certificato NO.
Certificate NO.

2000-09-25

Data di prima emissione
First issue date

2009-06-04

Data di ultima emissione
Last issue date

2012-06-04

Data di scadenza
Expiry date

President & C.E.

Auditing Director

Dasa-Räger S.p.A.
Italy - 00040 Pomezia - Roma
Via dei Castelli Romani, 22
Tel. +39 06911622002
Fax +39 069107126
www.dasa-raeger.com
Offices: Milano, Roma, Bari

SINCERT
ACCREDITAMENTO ORGANISMO DI CERTIFICAZIONE E SPZIME

SGO N° 062A
Membro degli Accordi di Mutual Recognition EA e IAF

Dasa-Räger S.p.A.

ENTE CERTIFICATORE CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
CERTIFICATION BODY CERTIFIES THAT THE QUALITY MANAGEMENT SYSTEM OF

Compas S.r.l.

Italia - 20090 Buccinasco (Milano) - Via Gobetti, 21

Italia - 20090 Buccinasco (Milano) - Via Emilia, 21

È STATO VERIFICATO E TROVATO CONFORME AI REQUISITI DELLO STANDARD
HAS BEEN ASSESSED AND FOUND IN COMPLIANCE WITH THE STANDARD REQUIREMENTS

EN ISO 9001:2008

Per le seguenti attività aventi come oggetto

Progettazione e produzione di accessori per infissi in alluminio, per ringhiere e balconi e lavorazioni meccaniche conto terzi

For the following activities having as object

Planning and production of accessories for aluminium casings, for railings and balconies and mechanical works for a third party

Settore EA - EA Sector 17

Informazioni puntuali e aggiornate circa lo stato della presente Certificazione sono disponibili all'indirizzo www.dasa-raeger.com.
Punctual and updated information regarding this Certification is available at www.dasa-raeger.com.

Riferirsi al Manuale Qualità per i dettagli delle singole esclusioni ai requisiti della Norma ISO 9001:2008. La validità del presente Certificato è subordinata al rispetto delle prescrizioni del Regolamento di Certificazione Dasa-Räger, in ISO 9001:2008 Standard requirements, to an annual surveillance programme and to a three yearly re-assessment.

**NOTIZIE INFORMATIVE SUI MATERIALI
UTILIZZATI - FINITURE - CONTROLLI - SERVIZI**

**NEWS ABOUT THE MATERIALS - FINISHING
CONTROLS - SERVICES**

◆ **ALLUMINIO ESTRUSO** ◆

Lega primaria 6060: particolarmente adatta per ossidazione e finiture superficiali.

Lega primaria 6005: adatta per particolari sottoposti a sollecitazioni.

◆ **MATERIE PLASTICHE** ◆

Nylon poliammide 6-6/6 rinforzato con fibra di vetro.

◆ **ACCIAIO** ◆

Tutte le minuterie sono in acciaio Inox X5 CrNi 18/10 - A2.

◆ **PRETRATTAMENTI** ◆

Sbavatura e levigatura dei pezzi eseguita con coni in ceramica mediante vibratore.

Trattamento non cromatico per l'alluminio - IRIDITE NCP - per i pezzi soggetti a verniciature.

◆ **FINITURE** ◆

Ossidazione anodica tradizionale ed elettrocoloritura secondo tabelle UNI 7796/97.

Verniciature con polveri poliester puro secondo tabelle UNI EN 12206 -1: 2005.

◆ **CONTROLLO DI QUALITÀ** ◆

- 1) per tutti i materiali in entrata
- 2) durante il ciclo produttivo
- 3) sui trattamenti di finitura
- 4) al montaggio e confezionamento

◆ **SERVIZI** ◆

Oltre 300 punti di vendita sul territorio nazionale.

Ufficio tecnico Compas a disposizione del Cliente, per informazioni riguardanti il prodotto e sue applicazioni.

◆ **ALUMINIUM** ◆

Primary alloy 6060: it is suitable for anodising and finishing proceeds.

Primary alloy 6005: it is suitable for items which will be submitted to stress.

◆ **PLASTIC MOULDING** ◆

Nylon polyamide 6-6/6 reinforced with glass fibre.

◆ **STEEL** ◆

All the little accessoires are inox steel X5 CrNi 18/10 - A2.

◆ **PRETREATMEN** ◆

The cutting removal and the lapping of the pieces are made by ceramic cone with vibrator.

No chromic treatment for aluminium - IRIDITE NCP - for the piece which will be submitted to painting proceed.

◆ **FINISHING** ◆

Traditional anodic oxidation and electrocoloring up to shedules UNI 7796/97.

Painting with pure polyester powders conforming to Ral charts UNI EN 12206 -1: 2005.

◆ **QUALITY CONTROL** ◆

- 1) for every entering materials
- 2) during manufacturing proceed
- 3) on the finishing treatments
- 4) during assembly n packing proceed

◆ **SERVICES** ◆

Over 300 sale-points on the national market .

Technical office at total disposition of the customer for information about products and their application.

RESPONSABILITÀ DEL PRODOTTO

- 1) La Compas si riserva, al fine di migliorare il proprio prodotto, di modificare senza preavviso quote o caratteristiche dei propri articoli.
- 2) Il materiale riscontrato difettoso darà diritto al Committente unicamente di richiedere la pura sostituzione del materiale difettoso e non alla rifusione di altri danni di qualsiasi specie.
- 3) Per gli accessori forniti grezzi, la Compas non risponde dell'eventuali anomalie riscontrate sui trattamenti di finitura superficiali eseguite da terzi.
- 4) È esclusa ogni responsabilità, nel caso il materiale non venga impiegato a regola d'arte o fatto uso improprio.
- 5) Gli schemi di montaggio, gli esempi riportati e le relative quote nel ns. catalogo sono puramente indicativi.

PRODUCT RESPONSABILITY

- 1) Compas intends, in order to improve their products, to change without notice both measures and characteristic of their products.
- 2) The goods declared faulty will give rights to the purchaser, to ask for a pure substitution of the above mentioned faulty goods, and not for any other responsibility.
- 3) As concern the items supplied not anodised, that is raw, Compas will not answer about any eventual anomaly found the finishing treatments made by other people.
- 4) It is excluded any responsibility, in case the goods will not be well and properly used.
- 5) The assembly diagram and the examples shown in our catalogues are purely indicative.

TABELLA COLORI

N.B. Le tinte del presente campionario sono fornite a solo titolo indicativo
The set of samples shades are only indicative

PRETRATTAMENTI

Sbavatura e levigatura dei pezzi eseguita con coni in ceramica mediante vibratore.
Cromatazione in ALODYNE per pezzi soggetti a verniciatura

FINITURE

Ossidazione anodica tradizionale ed elettrocoloritura secondo tabelle UNI 7796/97

Verniciatura con polveri poliestere puro secondo tabelle UNI 12206/1

POSSIBILITÀ DI VERNICIATURA E OSSIDAZIONE ANCHE IN COLORAZIONI FUORI STANDARD

Per le condizioni di fornitura; vedi prima pagina del nostro listino prezzi

PRETREATMENT

The cutting removal and the lapping of the pieces are made by ceramic cone with vibrator.

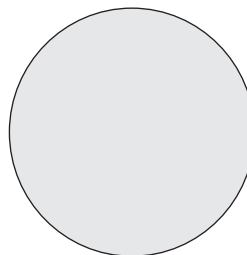
Alodyne chromize treatment for the piece which will be submitted to painting proceeding.

FINISHING

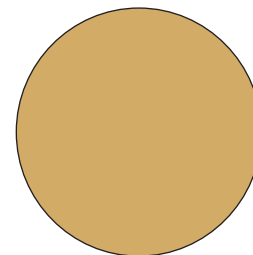
Traditional anodic oxidation and electrocoloring up to shedules UNI 7796/97. Painting with pure polyester powders up to Ral charts UNI 12206/1

PAINTING AND ANODISING ALSO OUT OF THE STANDARD CHARTS

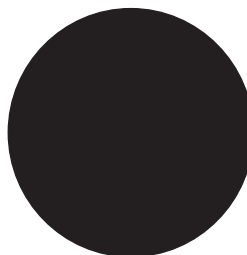
Sale conditions in the first page of our price list.



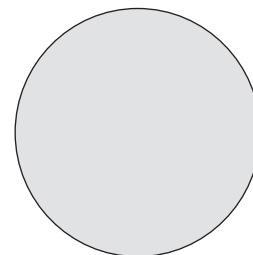
OX ARGENTO



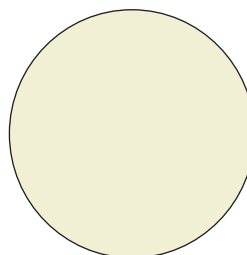
OX BRONZO



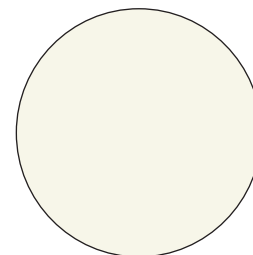
OX Elettro NERO



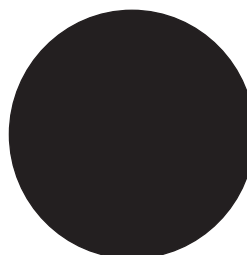
OX Tipo Inox



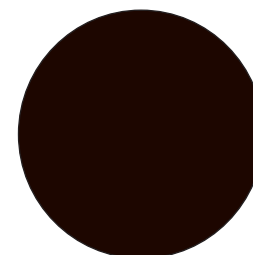
Ral 1013



Ral 9010



Ral 9005



Ral Effetto El. T.M.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2010



Dasa-Rägister
EN ISO 9001:2008
IQ-0900-20



accessori per
serramenti



accessori per
ringhiere e balconi

COSTRUZIONI **ME**CCANICHE **P**RECISIONE **A**CCESSORI **S**ERRAMENTI

20090 BUCCINASCO (Milano) ITALIA ■ Via GOBETTI, 21
Tel. ++39-0248843894 (3 linee ric.aut.) ■ Fax ++39-0248843763
www.compas-srl.it ■ e-mail: compas@compas-srl.it ■ uff.tech@compas-srl.it