


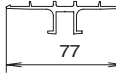
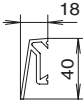
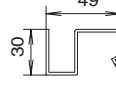

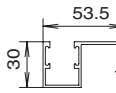
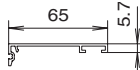


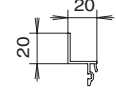



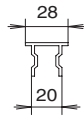

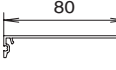





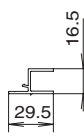
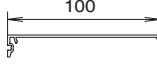

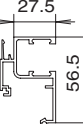





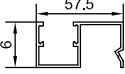


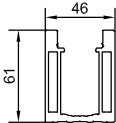

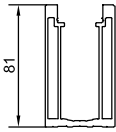

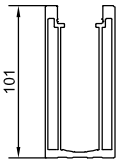

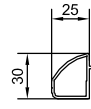

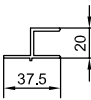



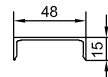

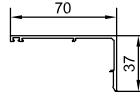
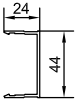

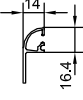

HUECK - Supplementary profiles

Windows/Doors Europe	
Contents Series ZP (Supplementary profiles)	Page
1. Contents	2
2. Profile overview and page reference	3 / 4
3. Supplementary profiles	5
4. Roller shutter guide profiles / Coupling profiles	6 / 7
5. Reinforcing profiles	8

Profile overview and static profile values for Series ZP

	Profile no.	Horizontal axis		Vertical axis		Total perimeter in mm	Page ZP		Profile no.	Horizontal axis		Vertical axis		Total perimeter in mm	Page ZP
		J_x [cm ⁴]	W_x [cm ³]	J_y [cm ⁴]	W_y [cm ³]					J_x [cm ⁴]	W_x [cm ³]	J_y [cm ⁴]	W_y [cm ³]		
	P472 600	-	-	-	-	93	5		P496 040	-	-	-	-	252	5
	P496 001	-	-	-	-	175	5		P496 043	-	-	-	-	276	5
	P496 002	-	-	-	-	122	5		P496 044	-	-	-	-	317	5
	P496 017	-	-	-	-	201	5		P496 047	-	-	-	-	181	5
	P496 018	-	-	-	-	145	5		P496 059	-	-	-	-	127	5
	P496 023	-	-	-	-	69	5		P496 064	-	-	-	-	96	5
	P496 024	-	-	-	-	62	5		P496 074	-	-	-	-	177	5
	P496 025	-	-	-	-	82	5		P496 076	-	-	-	-	206	5
	P496 026	-	-	-	-	106	5		P496 092	-	-	-	-	145	5
	P496 027	-	-	-	-	126	5		P496 093	-	-	-	-	144	5
	P496 028	-	-	-	-	136	5		P496 094	-	-	-	-	130	5
	P496 029	-	-	-	-	246	5								
	P496 034	-	-	-	-	126	5								
	P496 038	-	-	-	-	383	5								
	P496 039	-	-	-	-	165	5								

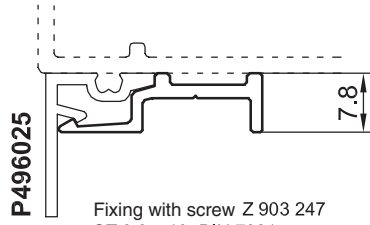
Profile overview and static profile values for Series ZP

	Profile no.	I_{xid} (cm ⁴)				External perimeter excluding insulating zone	Page		Profile no.	I_{xid} (cm ⁴)				External perimeter excluding insulating zone	Page
		L(cm)	Distance between supports L [cm] In compliance with the guideline issued by the Institute of Building Technology							L(cm)	Distance between supports L [cm] In compliance with the guideline issued by the Institute of Building Technology				
		< 200	from ≥200	from >250	from > 300	from > 400				< 200	from ≥200	from >250	from > 300	from > 400	
	P 496095						325	5		P 755969					
	P 496099						51	5		P 780561	36.0				
	P 496100						90	5		P 780562	68.0				
	P 496103						170	5		P 780563	123.0				
	P 496104						115	5		P 760501					
	P 496105						77	5		P 755716					
	P 496110						115	5		P 762570					
	P 496112						79	4		P 762590					
	P 496113						124	4		P 762593					
	P 496111						180	4		K 723311					
	P 446616						137	4							
	P 446618						82	4							

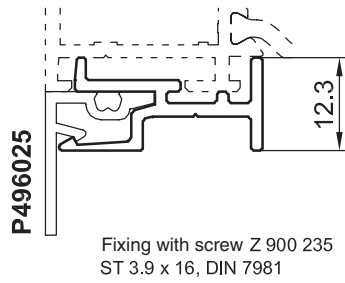
I_{xid} = effective moment of inertia

I_{xid} = effective moment of inertia

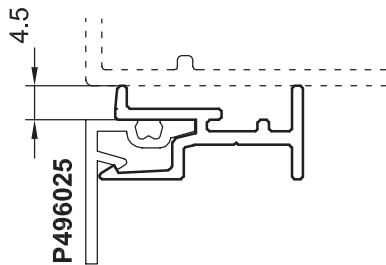
Supplementary profiles



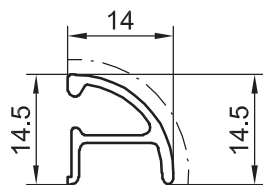
P 496 112	
A.a.	79 mm



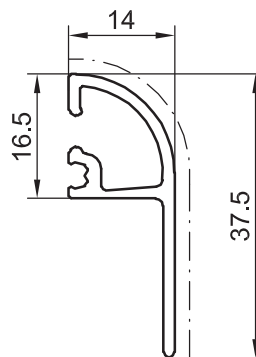
P 496 113	
A.a.	124 mm



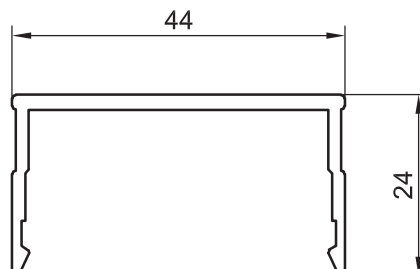
P 446618
Weather strip



P 446616
Weather strip

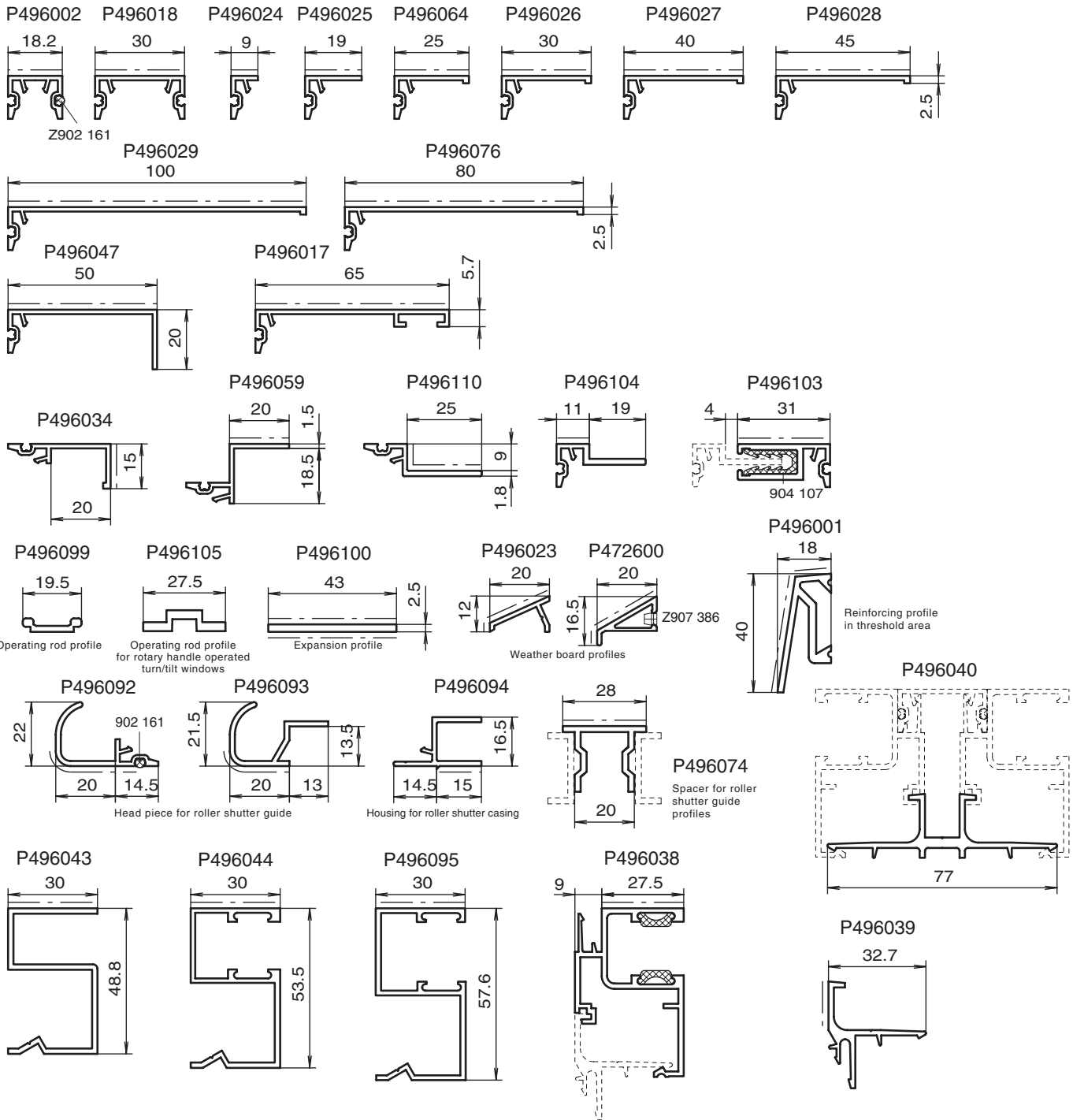


P 496111



M 1:1

Coupling profiles / Wall connecting profiles



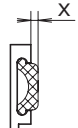
Z 902526

Head piece for roller shutter guide, left, grey plastic, suitable for profiles P496 038 / 596 077

Z 902527

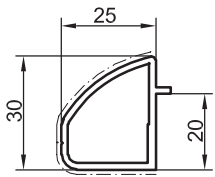
Head piece for roller shutter guide, similar to Z 902 526, but right

Clear width "X" of the guides using PVC guide profiles Z900 282, Z902 120 and Z902 121

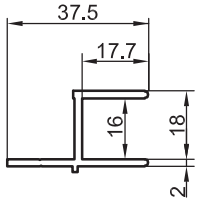
Profile no.	Dimension "X" mm	Profile(s) required	Profile no.	Dimension "X" mm	Profile(s) required
P496 044	12,8	2 x Z900 282	P496 038 and P596 077	14,8	2 x Z900 282
	11,8	1 x Z900 282 1 x Z902 120		13,8	1 x Z900 282 1 x Z902 120
	10,8	2 x Z902 120		12,8	2 x Z902 120
	10,3	1 x Z900 282 1 x Z902 121		12,3	1 x Z900 282 1 x Z902 121
	9,3	1 x Z902 120 1 x Z902 121		11,3	1 x Z902 120 1 x Z902 121
	7,8	2 x Z902 121		9,8	2 x Z902 121
P496 095	16,8	2 x Z900 282		Order no.	
	15,8	1 x Z900 282 1 x Z902 120		Z900 282 X = 1,6 mm*	
	14,8	2 x Z902 120		Z902 120 X = 2,6 mm	
	14,3	1 x Z900 282 1 x Z902 121		Z902 121 X = 4,1 mm	
	13,3	1 x Z902 120 1 x Z902 121		* = Standard profile	
	11,8	2 x Z902 121			

Roller shutter profiles, connecting profiles, coupling and clamping profile

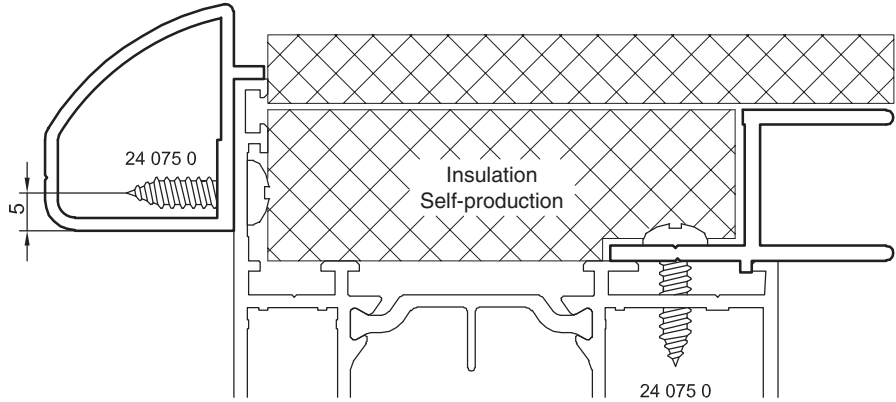
ZP



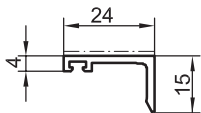
P 760 501	
A.a.	106 mm
A.m.	75 mm



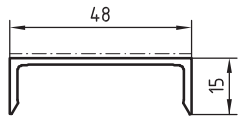
P 755 716	
A.a.	153 mm
A.m.	



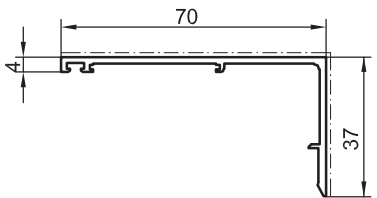
Use roller shutter profiles from page ZP 5 for this.



P 762 570	
A.a.	89 mm
A.m.	24 mm

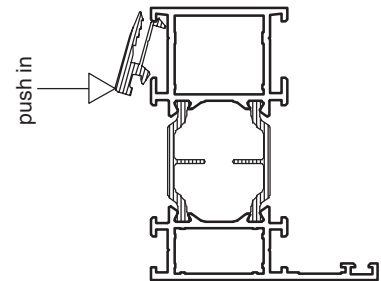


P 762 590	
A.a.	150 mm
A.m.	48 mm



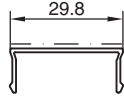
P 762 593	
A.a.	238 mm
A.m.	107 mm

Pieces made of clamping profile **K 723 311** grey plastic, for a groove width of 15 mm, rod 6.0 mm



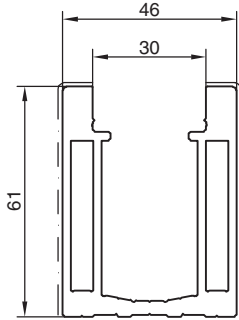
Insert clamping profile K 723 311 in 60 mm pieces. Connecting profile or 2 mm aluminium corner bracket. If 2 mm aluminium sheets are used, the edges must be deburred. Clamping profile K 723 311 for cover and connecting profiles only. The clamping profile is not suitable for absorbing the contact pressure of sealing profiles.

A.a. = outer perimeter
A.m. = perimeter mechanical



P 755 969

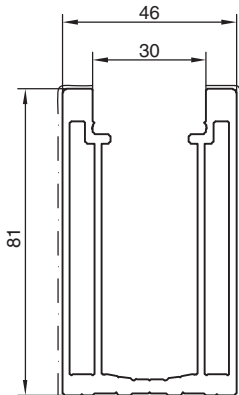
A.a.	105 mm
A.m.	30 mm



P 780 561

A.a.	338 mm
A.m.	137 mm

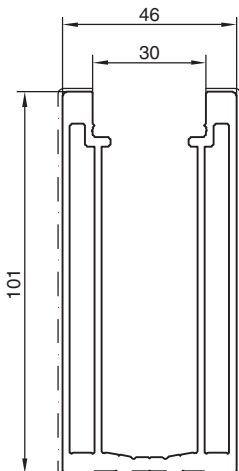
J_x cm ⁴	$W_{x, \min}$ cm ³	$e_{x, \max}$ cm	J_y cm ⁴	$W_{y, \min}$ cm ³	$e_{y, \max}$ cm	A cm ²
36.00			26.00			



P 780 562

A.a.	418 mm
A.m.	177 mm

J_x cm ⁴	$W_{x, \min}$ cm ³	$e_{x, \max}$ cm	J_y cm ⁴	$W_{y, \min}$ cm ³	$e_{y, \max}$ cm	A cm ²
68.00			27.00			



P 780 563

A.a.	498 mm
A.m.	218 mm

J_x cm ⁴	$W_{x, \min}$ cm ³	$e_{x, \max}$ cm	J_y cm ⁴	$W_{y, \min}$ cm ³	$e_{y, \max}$ cm	A cm ²
123.00			32.00			

$J_{x,ld}$ = effective moment of inertia according to the guideline issued by the DIBT (German Institute for Building Technology), length relevant

e_x / e_y = maximum edge distances to axis of centre of gravity