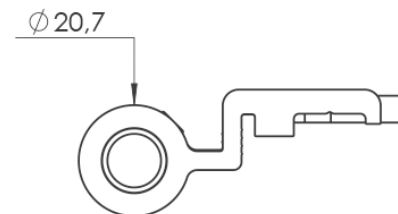
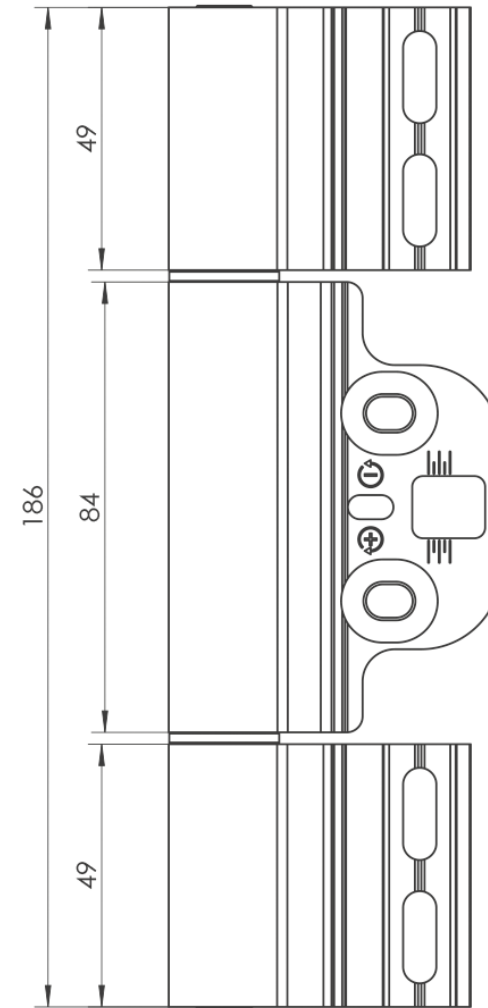


A detailed close-up photograph of a roller hinge mechanism, likely a WWA WR-1R model. The hinge is mounted on a dark, textured metal surface. It features a central roller wheel and several adjustment screws. The lighting is dramatic, highlighting the metallic textures and the mechanical components. The text 'ROLLER HINGE WR-1R' is overlaid in white on the right side of the image.

ROLLER
HINGE
WR-1R



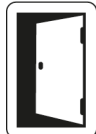
ROLLER HINGES WR-1R



ROLLER HINGES WR-1R

FOR USE IN EMERGENCY EXIT DOORS

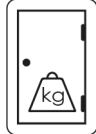
WR-1R HINGE CLASSIFICATION
EN 1935:2002 + EN 1935:2002/AC:2003



4/4 - SERVICE CLESSES



7/7 - DURABILITY



7/7 - WEIGHT OF TEST DOOR



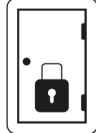
0/1 - FIRE RESISTANCE



1/1 - SECURITY



4/4 - CORROSION RESISTANCE



1/1 - INTRUSION PROTECTION



14/14 - HINGE CLASS



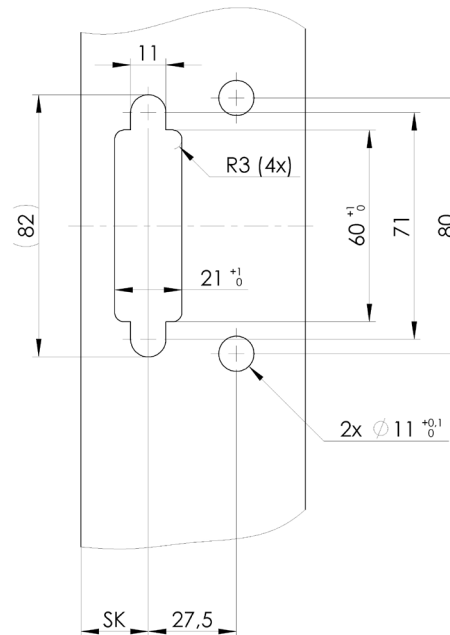
ROLLER HINGES WR-1R

ADS

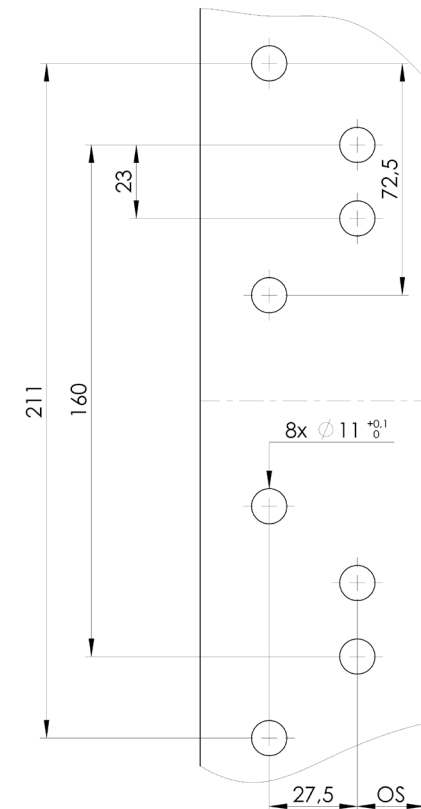
The hinge is also available with cover made of 304 stainless steel, that works best with anodized wings. External dimension of the cover: $\varnothing 22,5$ mm.

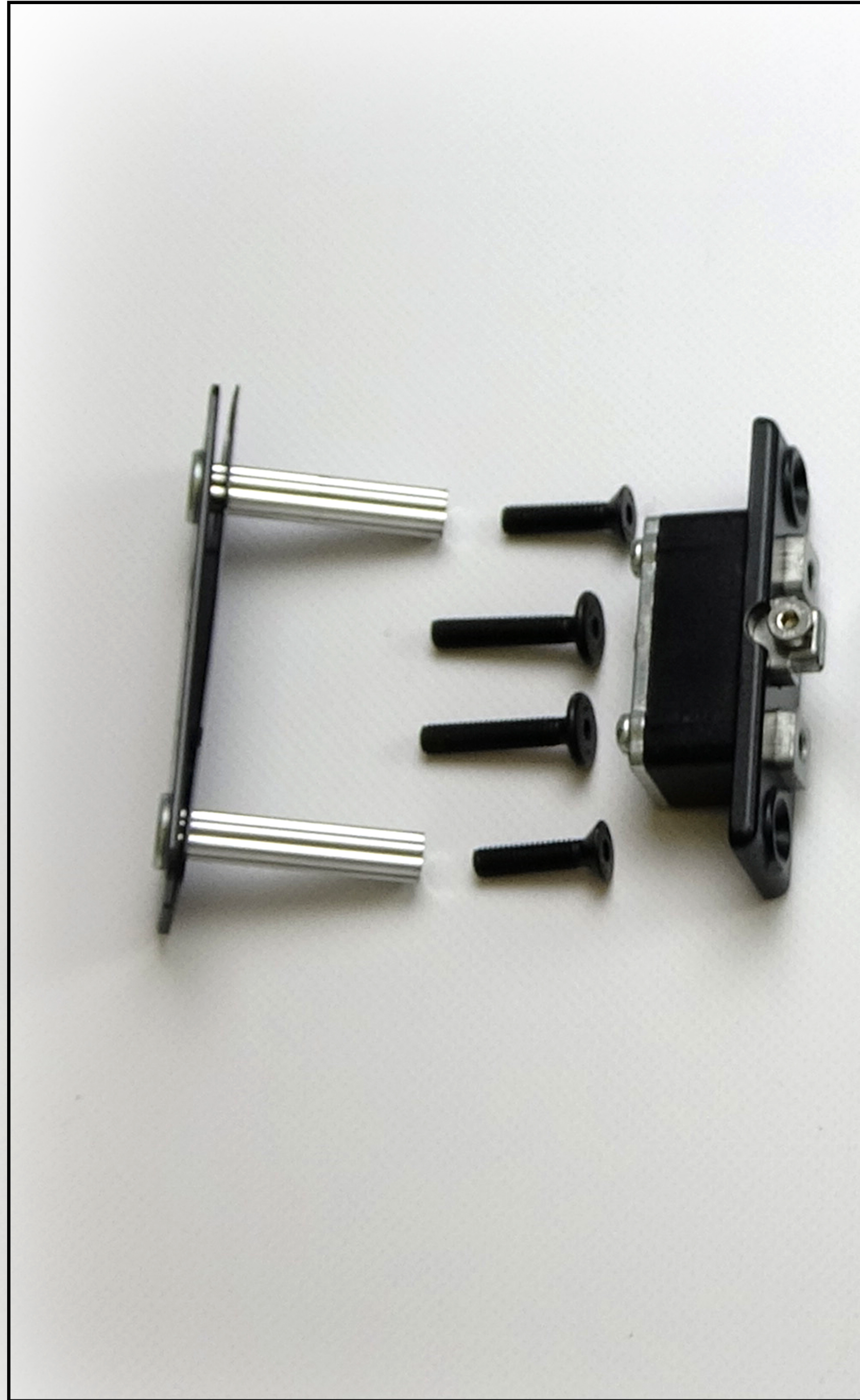


LASH PROFILE PROCESSING



FRAME PROFILE PROCESSING



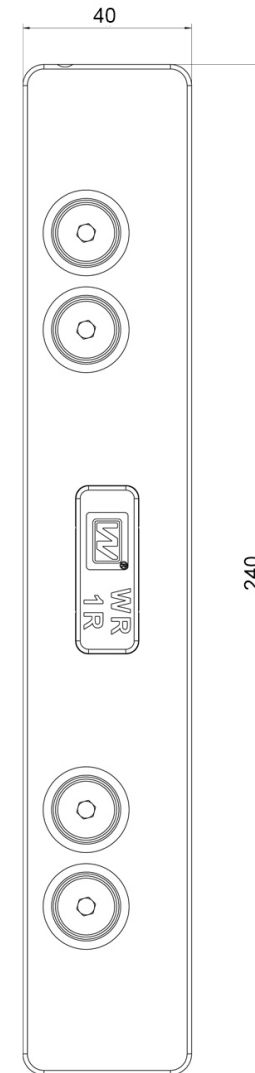
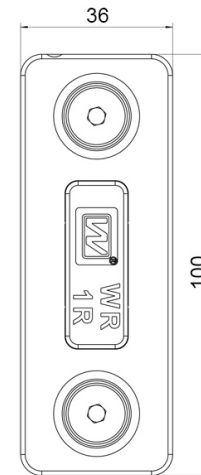


ASSEMBLY ELEMENTS
OF A DOOR SASH



ASSEMBLY ELEMENTS
OF A DOOR FRAME

MOUNTING SET FOR ROLLER HINGES WR-1R



LOAD SELECTION WR-1R

If the distance between hinges in the middle of a door exceeds 1500mm, we suggest using additional hinge which caulks the door.



Private
building



Door closer



Public
building

	W	S	700	800	900	1000	1100	1200	1300	1400
  3x 	2000	100	100	100	100	100	90	85	75	70
	2100						95	90	85	75
	2200						100	95	90	80
	2300							100	95	90
	2400								95	90
	2500								100	100
	2600						100	100		
	2700									
	2800									
	2900									
3000										

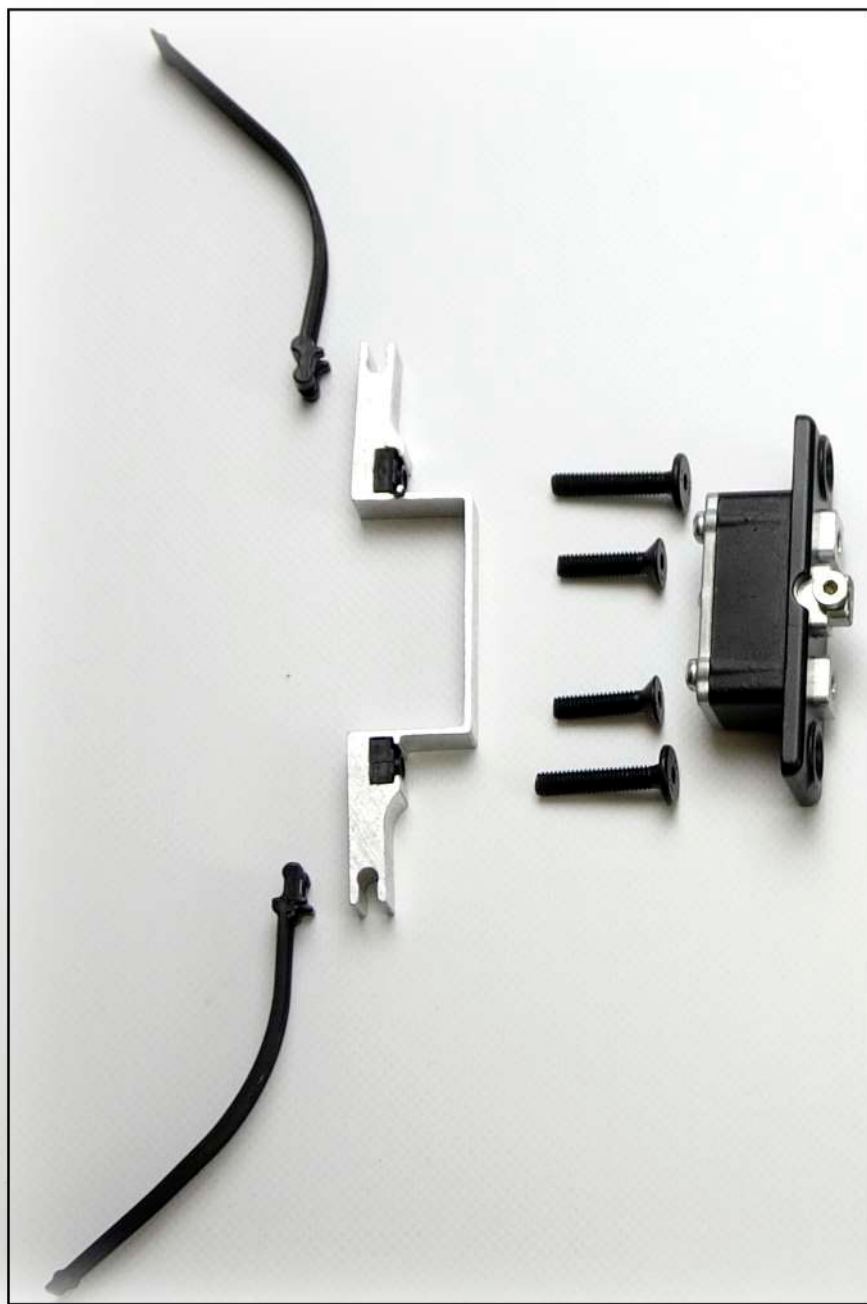
		W	S	700	800	900	1000	1100	1200	1300	1400
   3x 4x	2000	130						120	115	105	100
	2100							125	120	115	105
	2200							130	125	120	110
	2300								130	125	120
	2400									125	120
	2500									125	
	2600							130	130	130	130
	2700										
	2800										
	2900										
3000											

 2x 	W	S	700	800	900	1000	1100	1200	1300	1400
	2000	110					101	97	93	89
	2100						106	101	97	93
	2200						110	106	101	97
	2300							110	106	101
	2400								106	101
	2500							110	110	110
	2600									
	2700									
	2800									
2900	110						110			
3000										

  2x 	W	S	700	800	900	1000	1100	1200	1300	1400
	2000						71	67	63	59
	2100						76	71	67	63
	2200						80	76	71	67
	2300							80	76	71
	2400								76	71
	2500									76
	2600						80	80	80	80
	do									
	3000									

 4x	W	S	700	800	900	1000	1100	1200	1300	1400	
	2000		160				150	145	135	130	
	2100						155	150	145	135	
	2200						160	155	150	140	
	2300							160	155	150	
	2400								160		150
	2500									155	
	2600							160	160	160	
	do										
	3000										



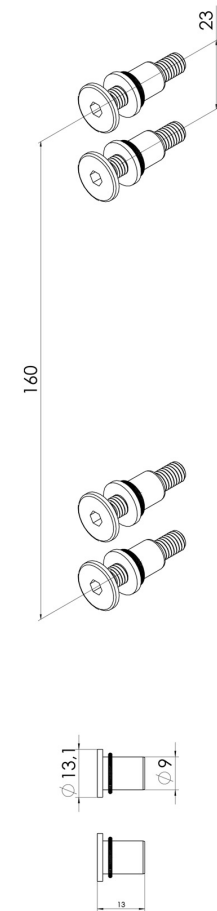
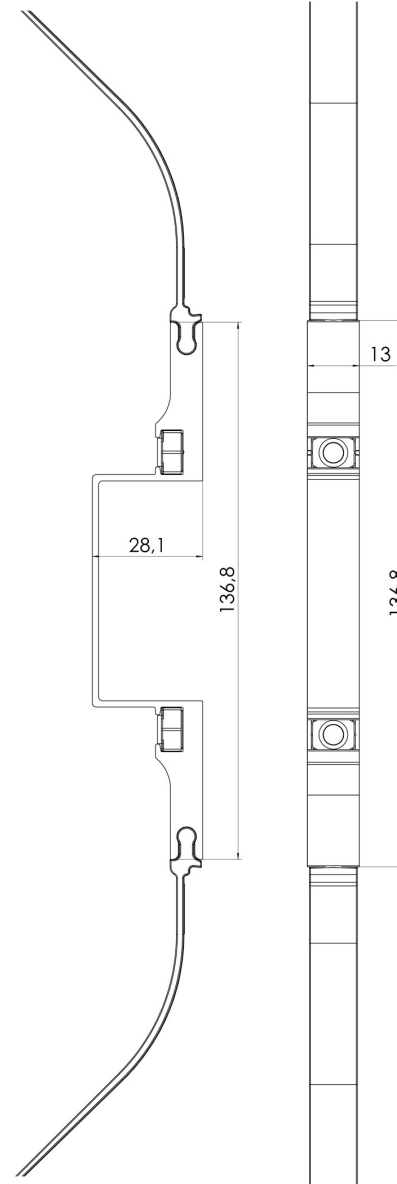


ASSEMBLY ELEMENTS
OF A DOOR SASH



ASSEMBLY ELEMENTS
OF A DOOR FRAME

MOUNTING SET FOR ROLLER HINGES **WR-1R** - ALTERNATIVE



LOAD SELECTION WR-1R - ALTERNATIVE

If the distance between hinges in the middle of a door exceeds 1500mm, we suggest using additional hinge which caulk the door.



Private
building



Door closer



Public
building



3x



W S	800	900	1000	1100	1200	1300	1400
2000	80			70	65	55	50
2100				75	70	65	55
2200				80	75	70	60
2300					80	75	70
2400						75	70
2500						80	75
2600							80
2700							
2800							
2900							
3000							



3x

4x



W S	800	900	1000	1100	1200	1300	1400
2000	100			90	85	75	70
2100				95	90	85	75
2200				100	95	90	80
2300					100	95	90
2400						95	90
2500						100	95
2600							100
2700							
2800							
2900							
3000							



2x



W S	800	900	1000	1100	1200	1300	1400
2000	90			81	77	73	69
2100				86	81	77	73
2200				90	86	81	77
2300					90	86	81
2400						86	81
2500						90	86
2600							90
2700							
2800							
2900							
3000							



2x



W S	800	900	1000	1100	1200	1300	1400
2000	70			61	57	53	49
2100				66	61	57	53
2200				70	66	61	57
2300					70	66	61
2400						66	61
2500						70	66
2600							70
do							
3000							



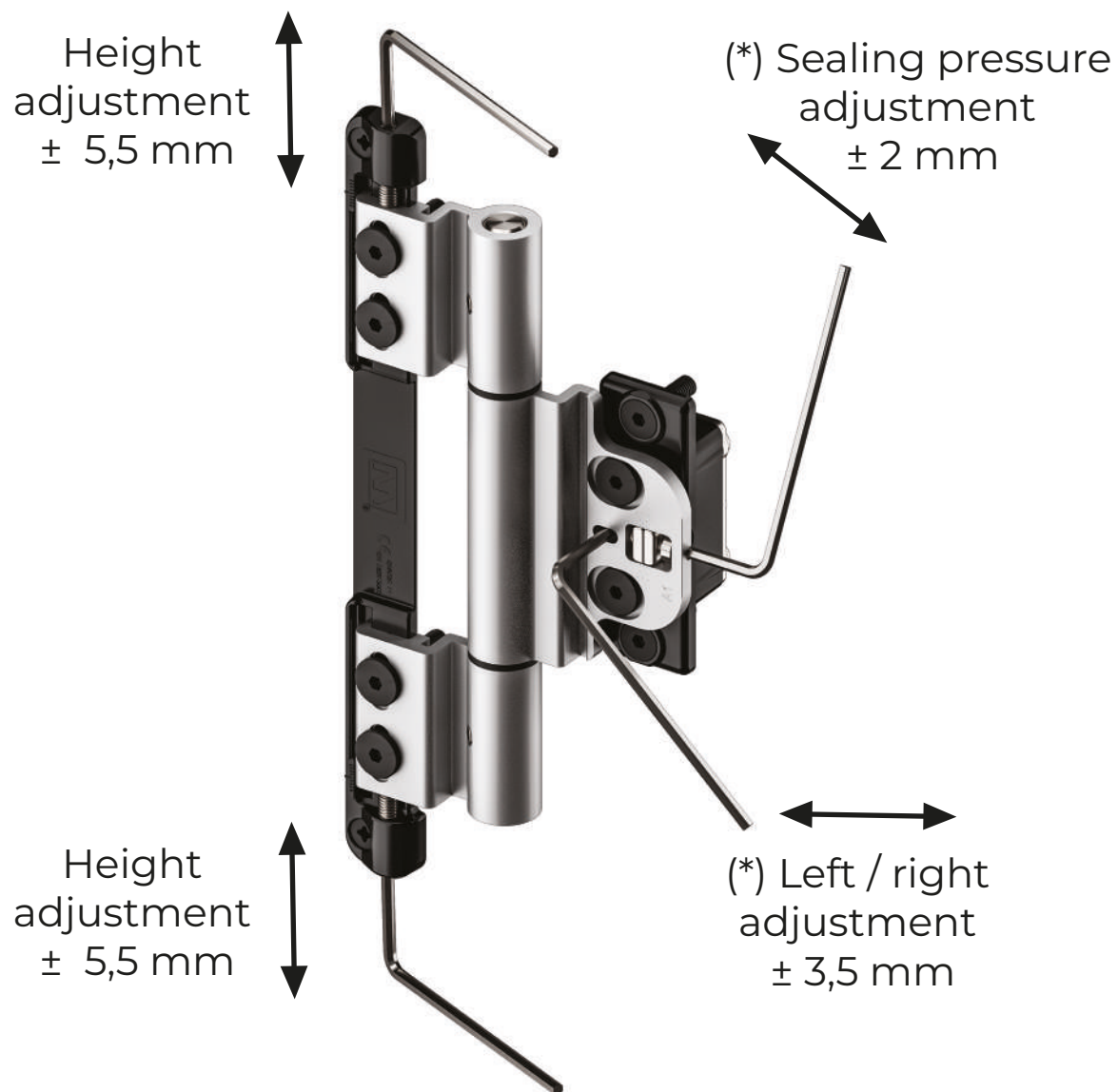
4x



W S	800	900	1000	1100	1200	1300	1400
2000	130			120	115	105	100
2100				125	120	115	105
2200				130	125	120	110
2300					130	125	120
2400						125	120
2500						130	125
2600							130
do							
3000							



ADJUSTMENT FOR ROLLER HINGES WR-1R



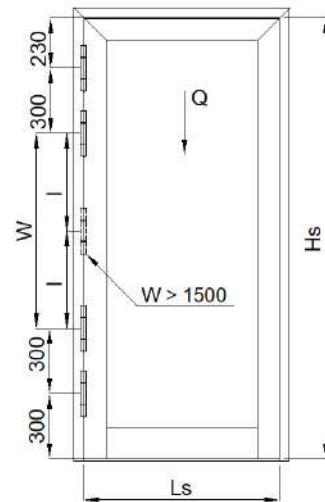
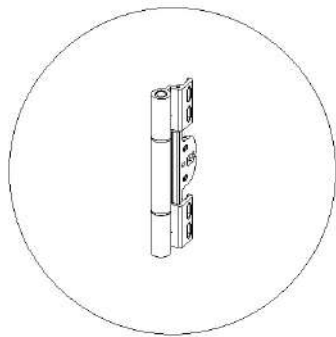
Full adjustment range of the gap (left/right) in negative direction for most aluminium systems can be achieved by milling the door profile and covering it with the mask.



(*) – adjustment in the negative direction can be very limited depending on aluminium system



PATTERNS FOR DRILLING WR-1R



	LASH PROFILE	LASH PROFILE	FRAME PROFILE	DYSTANSES
WR-1R				
WR-2R				





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