MasterPatio

PRODUCT PASS

Date: **26-10-2023**

Language: English



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1 GENERAL EXPLANATION

The performances indicated in this product pass can be used for a Declaration of Performance (DoP) in accordance with EU Regulation no. 305/2011. The characteristics are in accordance with the harmonized product standard EN 14351-1:2006+A2:2016 (Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets).

At least one performance of an essential characteristic shall be mentioned on the DoP. Non-essential characteristics are not legally required in any European country and thus not mandatory to declare. Where no performance is declared "NPD" (No Performance Declared) can be used.

The performances indicated can be achieved for the configuration and dimensions as tested and when the product is fabricated in accordance with the instructions of Reynaers (system catalogue). It is obviously allowed to declare lower performances; e.g. when resistance to wind load of 1600 Pa was tested, also 1200 Pa can be declared for the same configuration and dimensions.

Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions indicated in the system catalogue.

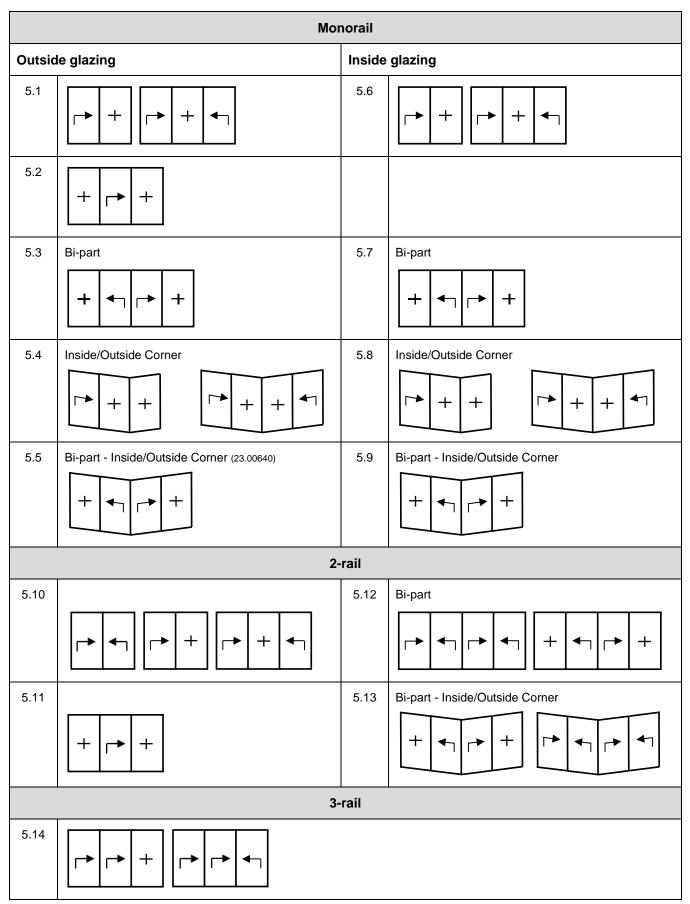
2 NOTIFIED BODIES

ID	Name	Address	Country
0074	CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS	Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex	France
0432	MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN	Auf den Thränen 2 59597 Erwitte	Germany
0679	CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT	84, Avenue Jean Jaurès Champs-sur-Marne F-77447 Marne-la-Vallée Cedex 2	France
0744	SOCOTEC	Les Quadrants – 3, Avenue du Centre – Guyancourt 78182 St-Quentin en Yvelines	France
0749	BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION	Aarlenstraat 53 1040 Brussel	Belgium
0757	IFT ROSENHEIM Theodor-Gietl-Strasse 7-9 83026 Rosenheim		Germany
0845	DANISH INSTITUTE OF FIRE AND SECURITY TECHNOLOGY	Jernholmen, 12 2650 Hvidovre	Denmark
0960	SKG-IKOB	Poppenbouwing 56 4191 NZ Geldermalsen	Netherlands
1136	BELGIAN BUILDING RESEARCH INSITUTE	Lombardstraat 42 1000 Brussel	Belgium
1234	EFECTIS NEDERLAND	Brandpuntlaan Zuid 16, Postbus 554 2665 ZN Bleiswijk	Netherlands
1288	WINTECH ENGINEERING LIMITED	Halesfield 2 Telford,Shropshire TF7 4QH	United Kingdom
1309	PRÜFINSTITUT SCHLÖSSER UND BESCHLÄGE, VELBERT	Wallstrasse 41 42551 Velbert	Germany
1488	INSTYTUT TECHNIKI BUDOWLANEJ	ul. Filtrowa 1 00-611 Warszawa	Poland
1671	PEUTZ	Lindenlaan 41, Molenhoek PO Box 66 6585 ZH MOOK	Netherlands
1749	TNO DEFENCE, SECURITY AND SAFETY	Lange Kleiweg 137, Postbus 45 2280 AA Rijswijk	Netherlands
1769	UNIVERSITY OF GENT	Sint-Pietersnieuwstraat 41 9000 Gent	Belgium
2211	INSTITUTO DE INVESTIGAÇÃO E DESENVOLVIMENTO TECNOLÓGICO PARA A CONSTRUÇÃO, ENERGIA, AMBIENTE E SUSTENTABILIDADE	Rua Pedro Hispano Pólo II da Universidade de Coimbra 3030-289 Coimbra	Portugal

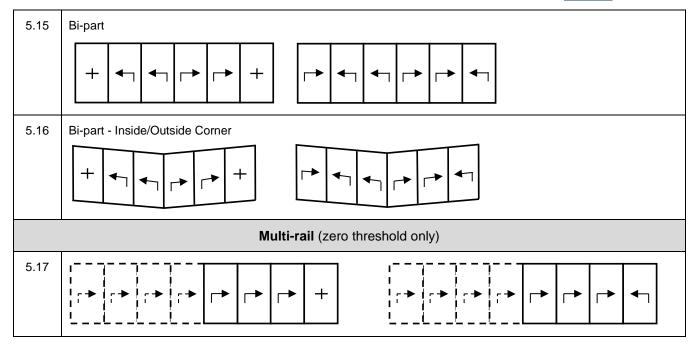


3 VARIANTS

Different variants have been grouped based on similar design and following the guidelines of the harmonised standard







4 EXPLANATIONS AND SYMBOLS

H: Element Height B: Element Width Fh: Vent Height Fb: Vent Width npd: No Performance Declared CWFT: Classification Without Further Testing







Pocket

Lift sliding vent

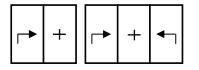
Fixed vent

 $^{(2)}$ Tubular glazing beads: p < 2000 Pa, WxH < 3200x3200 mm (fixed windows only)



5 PERFORMANCE

5.1 Monorail - Outside glazing



(*) Slim Chicane

		Characteristic	Performa	ance	No	tified body - Report	Tested size [mm]			
			Essen	tial char	acterist	ics				
	4.2	Resistance to wind load	C4 (1600 C3 (1200 C3 (1200 C3 (2000	Pa) Pa)	[09	0960] – 20.00751 ^(*) [0960] – 20.01576 60] – 21.00586 rev A [0960] – 22.00447	1500x2380 ⁽²⁾ 2000x3000 ⁽²⁾ 1800x3600 ⁽²⁾ 1500x2380 ⁽²⁾			
	4.5	Watertightness	E1200 (1200 Pa) E1050 (1050 Pa) 9A (600 Pa) 9A (600 Pa)		[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447		1500x2380 2000x3000 1800x3600 1500x2380			
	4.6	Dangerous substances	In the mater	ials deliv	ered by	Reynaers, no dangerous hEN 14351-1 are used.	substances as indicated in			
	4.7	Impact resistance	4		[0	0960] – 21.00887.2	2380x2380			
51-1	4.8	Load-bearing capacity of safety devices				npd				
EN 14351-1	4.9	Height & width				See 6				
ш	4.11	Acoustic performance	Glass: 36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	Sliding 34 (-2 37 (-2 41 (-2 44 (-2	2;-4) 1;-4) 2;-5)	[0960] - 20.00651.1 [0960] - 20.00651.2 [0960] - 20.00651.3 [0960] - 20.00651.4	2705x2360			
	4.12	Thermal transmittance		Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.						
	4.13	Radiation properties	The	These properties must be evaluated by the CE-label of the glass						
	4.14	Air permeability	4		[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00447		1500x2380 2000x3000 1800x3600 1500x2380			
	•		Non-ess	Non-essential characteristics						
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6					
	4.16	Operating forces	0 1 1		[09	60] – 22.00537 rev A 60] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.17	Mechanical strength	4		[0960] – 21.00887.1	2380x2380, 230kg			
Ξ	4.18	Ventilation				npd				
EN 14351-1	4.19	Bullet resistance (BP version)				npd				
Ξ	4.20	Explosion resistance				npd				
	4.21	Resistance to repeated opening and closing	3 (20.00 3 (20.00 4 (50.00)0)	[09	60] – 22.00537 rev A 60] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.22	Behaviour between different climates				npd				
	4.23	Burglar resistance (AP version)	RC2		[0	0960] – 20.01545-2	See report			



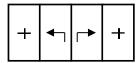
5.2 Monorail - Outside glazing



		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	C3 (1200 Pa)	[0960] – 22.00078	1500x2404 ⁽²⁾					
	4.5	Watertightness	E1050 (1050 Pa)	E1050 (1050 Pa) [0960] – 22.00078 1500x2404						
	4.6	Dangerous substances	In the materials deliv	In the materials delivered by Reynaers, no dangerous substances as indicated i hEN 14351-1 are used.						
	4.7	Impact resistance	4	[0960] – 21.00887.2	FbxFh > 2380x2380					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 1	4.9	Height & width	See 6							
	4.11	Acoustic performance	npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass							
	4.14	Air permeability	4	[0960] – 22.00078	1500x2404					
			Non-essential ch	aracteristics						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
EN	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.22	Behaviour between different climates	npd							
	4.23	Burglar resistance (AP version)		npd						



5.3 Monorail - Outside glazing - Bi-part

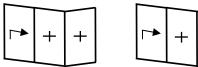


		Characteristic	Performance	Notified body - Report	Tested size [mm]					
		_	Essential char	acteristics						
	4.2	Resistance to wind load	B4 (1600 Pa)	[0960] - 20.01671 ⁽¹⁾	1500x2380 ⁽²⁾					
	4.5	Watertightness	E1200 (1200 Pa)	E1200 (1200 Pa) [0960] – 20.01671 ⁽¹⁾ 1500x2380						
	4.6	Dangerous substances	In the materials deliv	In the materials delivered by Reynaers, no dangerous substances as indicat hEN 14351-1 are used.						
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 14	4.9	Height & width	See 6							
	4.11	Acoustic performance	npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass							
	4.14	Air permeability	4	[0960] – 20.01671 ⁽¹⁾	1500x2380					
	<u> </u>		Non-essential ch	aracteristics						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
EN	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						

⁽¹⁾ Chicane with reinforcement



5.4 Monorail - Outside glazing - Inside/Outside Corner



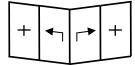
+ + +

(*) Slim Chicane

Characteristic		Performance		No	otified body - Report	Tested size [mm]				
			Essen	tial characte	eristi	cs				
	4.2	Resistance to wind load	C4 (160 C3 (120 C3 (120 C5 (200	0 Pa) 0 Pa) 0 Pa)	[09	0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583	1500x2380 ⁽²⁾ 2000x3000 ⁽²⁾ 1800x3600 ⁽²⁾ 1500x2380 ⁽²⁾			
	4.5	Watertightness	E1200 (1200 Pa) E1050 (1050 Pa) 9A (600 Pa) 9A (600 Pa)		[09	0960] – 20.00751 ^(*) [0960] – 20.01576 960] – 21.00586 rev A [0960] – 22.00583	1500x2380 2000x3000 1800x3600 1500x2380			
	4.6	Dangerous substances	In the mater	rials delivered		Reynaers, no dangerous s nEN 14351-1 are used.	substances as indicated in			
	4.7	Impact resistance	4		[0960] – 21.00887.2	2380x2380			
7	4.8	Load-bearing capacity of safety devices		npd						
EN 14351-1	4.9	Height & width				See 6				
ш			Glass:	Sliding doo	or:					
	4.11	Acoustic performance	36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	34 (-2;-4) 37 (-1;-4) 41 (-2;-5) 44 (-1;-4)))	[0960] - 20.00651.1 [0960] - 20.00651.2 [0960] - 20.00651.3 [0960] - 20.00651.4	2705x2360			
	4.12	Thermal transmittance	Ud to be	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.						
	4.13	Radiation properties	The	ese properties	s mu	st be evaluated by the CE	-label of the glass			
	4.14	Air permeability	4		[0960] – 20.00751 ^(*) [0960] – 20.01576 [0960] – 21.00586 rev A [0960] – 22.00583		1500x2380 2000x3000 1800x3600 1500x2380			
			Non-ess	ential chara						
	4.4.1	Reaction to fire	Anodize Painteo Gasket	l: A2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6					
	4.16	Operating forces	0 1 1		[09	960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.17	Mechanical strength	4		[0960] – 21.00887.1	2380x2380, 230kg			
÷	4.18	Ventilation				npd				
EN 14351-1	4.19	Bullet resistance (BP version)				npd				
Ū	4.20	Explosion resistance				npd				
	4.21	Resistance to repeated opening and closing	3 (20.0 3 (20.0 4 (50.0	000)	[09	960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.22	Behaviour between different climates			npd					
	4.23	Burglar resistance (AP version)	RC	2	[0960] – 20.01545-2	See report			



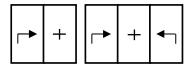
5.5 Monorail - Outside glazing - Bi-part - Inside/Outside Corner



		Characteristic	Performance	Notified body - Report	Tested size [mm]					
	1		Essential char	acteristics						
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾					
	4.5	Watertightness	8A (450 Pa)	[0960] – 23.00640	1500x2380					
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicate hEN 14351-1 are used.							
	4.7	Impact resistance	4	2380x2380						
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 1	4.9	Height & width	See 6							
	4.11	Acoustic performance	npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass							
	4.14	Air permeability	4	[0960] – 23.00640	1500x2380					
			Non-essential ch	aracteristics						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces		npd						
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
Ē	4.20	Explosion resistance	npd							
	4.21	Resistance to repeated opening and closing	npd							
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						



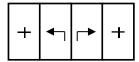
5.6 Monorail - Inside glazing



		Characteristic	Perform	ance	N	otified body - Report	Tested size [mm]		
		-	Essen	tial charact	eristi	CS			
	4.2	Resistance to wind load	C4 (160	0 Pa)		[0960] – 20.00526	1500x2380 ⁽²⁾		
	4.5	Watertightness	E750 (75	50 Pa)		[0960] – 20.00526	1500x2380		
	4.6	Dangerous substances	In the mater	ials delivere		Reynaers, no dangerous su nEN 14351-1 are used.	bstances as indicated in		
	4.7	Impact resistance	4			[0960] – 21.00887.2	2380x2380		
- -	4.8	Load-bearing capacity of safety devices				npd			
EN 14351-1	4.9	Height & width				See 6			
EN			Glass:	Sliding do	oor:				
	4.11	Acoustic performance	36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	34 (-2;-4 37 (-1;-4 41 (-2;-5 44 (-1;-4	4) [0960] - 20.00651.1 4) [0960] - 20.00651.2 5) [0960] - 20.00651.3		2705×2360		
	4.12	Thermal transmittance		Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These propert		es mu	st be evaluated by the CE-l	abel of the glass		
	4.14	Air permeability	4		[0960] – 20.00526		1500x2380		
		·	Non-ess	ential chara	acteri	stics			
	4.4.1	Reaction to fire	Anodize Painted Gasket	: A2	cert	C decision 96/603/EC ificate EFR-21-001664A 0432] – 230006500-6			
	4.16	Operating forces	0 1 1			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4			[0960] — 21.00887.1	2380x2380, 230kg		
7	4.18	Ventilation				npd			
EN 14351-'	4.19	Bullet resistance (BP version)				npd			
Ű	4.20	Explosion resistance				npd			
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.22	Behaviour between different climates				npd			
	4.23	Burglar resistance (AP version)	RC	2		[0960] – 20.01545-2	See report		



5.7 Monorail - Inside glazing - Bi-part

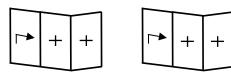


		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	C4 (1600 Pa)	[0960] – 20.00526	1500x2380 ⁽²⁾					
	4.5	Watertightness	E750 (750 Pa)	E750 (750 Pa) [0960] – 20.00526 1500x2380						
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.							
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380					
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 14	4.9	Height & width	See 6							
	4.11	Acoustic performance	npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass							
	4.14	Air permeability	4	[0960] – 20.00526	1500x2380					
			Non-essential ch	aracteristics						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
7	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
EN	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg					
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						



5.8 Monorail - Inside glazing - Inside/Outside Corner

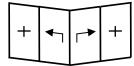
4



		Characteristic	Performa	ance	N	otified body - Report	Tested size [mm]		
	T	1	Essen	tial char	acter	istics			
	4.2	Resistance to wind load	C4 (1600	Pa)		[0960] – 20.00526	1500x2380 ⁽²⁾		
	4.5	Watertightness	E750 (750 Pa)			[0960] – 20.00526	1500x2380		
	4.6	Dangerous substances	In the mater	ials deliv	vered	by Reynaers, no dangerou hEN 14351-1 are used.	s substances as indicated in		
	4.7	Impact resistance	4			[0960] – 21.00887.2	2380x2380		
-	4.8	Load-bearing capacity of safety devices				npd			
EN 14351-1	4.9	Height & width				See 6			
EN			Glass:	Slidi					
	4.11	Acoustic performance	36 (-1;-5) 41 (-2;-4) 45 (-2;-6) 52 (-1;-5)	-1;-5) 34 (-2 ·2;-4) 37 (-1 ·2;-6) 41 (-2		[0960] - 20.00651.1 [0960] - 20.00651.2 [0960] - 20.00651.3 [0960] - 20.00651.4	2705×2360		
	4.12	Thermal transmittance		Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These prope		erties	must be evaluated by the C	CE-label of the glass		
	4.14	Air permeability	4	4		[0960] – 20.00526	1500x2380		
			Non-ess	ential ch	aract	eristics			
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	0 1 1			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4			[0960] – 21.00887.1	2380x2380, 230kg		
7	4.18	Ventilation				npd			
EN 14351-1	4.19	Bullet resistance (BP version)				npd			
Ē	4.20	Explosion resistance				npd			
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.22	Behaviour between different climates			npd				
	4.23	Burglar resistance (AP version)	RC2			[0960] – 20.01545-2	See report		



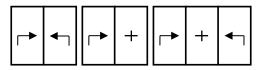
5.9 Monorail - Inside glazing - Bi-part - Inside/Outside Corner



		Characteristic	Performance	Notified body - Report	Tested size [mm]					
			Essential char	acteristics						
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾					
	4.5	Watertightness	8A (450 Pa) [0960] – 23.00640 1500x2380							
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.							
	4.7	Impact resistance	4	2380x2380						
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd						
EN 12	4.9	Height & width	See 6							
	4.11	Acoustic performance	npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass							
	4.14	Air permeability	4	[0960] – 23.00640	1500x2380					
	<u> </u>	•	Non-essential ch	naracteristics						
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces		npd						
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg					
-	4.18	Ventilation		npd						
N 14351-1	4.19	Bullet resistance (BP version)		npd						
EN	4.20	Explosion resistance		npd						
	4.21	Resistance to repeated opening and closing	npd							
	4.22	Behaviour between different climates		npd						
	4.23	Burglar resistance (AP version)		npd						



5.10 2-rail

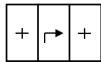


Characteristic		Characteristic	Performan	ce	Noti	fied body - Report	Tested	size [mm]			
			Essentia	l char	acteristic	S					
	4.2	Resistance to wind load	C3 (1200 P	a)	[0960] – 20.00744 rev A [0960] – 23.00979		1500	0x2380 ⁽²⁾			
	4.5	Watertightness	E1050 (1050 Pa) 4A (150 Pa)			0] – 20.00744 rev A 960] – 23.00979	150	0x2380			
	4.6	Dangerous substances	In the material	s deliv		eynaers, no dangerous EN 14351-1 are used.	substances	as indicated in			
	4.7	Impact resistance	4		[09	60] – 21.00887.2	238	0x2380			
	4.8	Load-bearing capacity of safety devices		npd							
EN 14351-1	4.9	Height & width				See 6					
N. N.			Glass:	Slidi	ng door:						
	4.11	Acoustic performance	36(-1;-5) 41(-2;-4) 45(-2;-6) 50(-2;-8) 52(-1;-5)	39 41 43(5(-2;-4) 9(-1;-3) (-2;-4) (-1;-4) * (-2;-3) *	[0757] - 22-002767-Pf [0757] - 22-002767-Pf [0757] - 22-002767-Pf [0757] - 22-002767-Pf [0757] - 22-002767-Pf	R01 PB 01 R01 PB 01 R01 PB 01	2705x2350			
	4.12	Thermal transmittance	Ud to be ca	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.							
	4.13	Radiation properties	These	These properties must be evaluated by the CE-labe							
	4.14	Air permeability	4	4		[0960] – 20.00744 rev A [0960] – 23.00979		0x2380			
			Non-essen	tial ch	naracteris	tics					
	4.4.1	Reaction to fire	Anodized: A Painted: A Gaskets: B	2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6						
	4.16	Operating forces	0 1 1		[0960	0] – 22.00537 rev A 0] – 22.00926 rev A 960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg				
	4.17	Mechanical strength	4		[09	60] – 21.00887.1	2380x2	380, 230kg			
Ξ	4.18	Ventilation				npd					
EN 14351-1	4.19	Bullet resistance (BP version)				npd					
Ξ	4.20	Explosion resistance				npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)		[0960	0] – 22.00537 rev A 0] – 22.00926 rev A 960] – 23.00190	3600x3	000, 400kg 000, 500kg 000, 400kg			
	4.22	Behaviour between different climates	npd								
	4.23	Burglar resistance (AP version)	RC2		[09	60] – 20.01545-2	See	e report			

* Non-standard configuration



5.11 2-rail

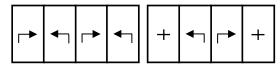


		Characteristic	Perform	ance	No	otified body - Report	Test	ed size [mm]	
			Essent	tial charact	eristi	cs			
	4.2	Resistance to wind load	C3 (1200	0 Pa)		[0960] – 22.00078	15	00x2404 ⁽²⁾	
	4.5	Watertightness	E1050 (10	50 Pa)		[0960] – 22.00078	1	500x2404	
	4.6	Dangerous substances	In the mater	ials delivere		Reynaers, no dangerous hEN 14351-1 are used.	substance	es as indicated in	
	4.7	Impact resistance	4		[0960] – 21.00887.2	2	380x2380	
	4.8	Load-bearing capacity of safety devices		npd					
EN 14351-1	4.9	Height & width				See 6			
ĒN				Sliding do	oor:				
	4.11	Acoustic performance	36(-1;-5) 41(-2;-4) 45(-2;-6) 50(-2;-8) 52(-1;-5)	41(-2;-4) 39(-1;-3) 45(-2;-6) 41(-2;-4) 50(-2;-8) 43(-1;-4)		[0757] - 22-002767-PR0 [0757] - 22-002767-PR0 [0757] - 22-002767-PR0 [0757] - 22-002767-PR0 [0757] - 22-002767-PR0	1 PB 01 1 PB 01 2705x2350 1 PB 01		
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated und certification of BCCA: certificate BPCB-420-72-10077/2.						
	4.13	Radiation properties	The	se propertie	es mu	st be evaluated by the CE	-label of t	he glass	
	4.14	Air permeability	4		[0960] – 22.00078		1	500x2404	
			Non-esse	ential chara	acteri	stics			
	4.4.1	Reaction to fire	Anodized Painted Gasket	: A2	certi	C decision 96/603/EC ficate EFR-21-001664A /432] – 230006500-6			
	4.16	Operating forces	0 1 1			960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4		[0960] – 21.00887.1	2380	x2380, 230kg	
Ξ	4.18	Ventilation				npd			
EN 14351-1	4.19	Bullet resistance (BP version)				npd			
	4.20	Explosion resistance				npd			
	4.21	Resistance to repeated opening and closing	3 (20.0 3 (20.0 4 (50.0	00)		960] – 22.00537 rev A 960] – 22.00926 rev A [0960] – 23.00190	3600	x3000, 400kg x3000, 500kg x3000, 400kg	
	4.22	Behaviour between different climates			npd				
	4.23	Burglar resistance (AP version)				npd			

* Non-standard configuration



5.12 2-rail - Bi-part

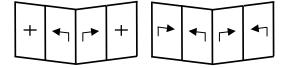


		Characteristic	Performance	ce	Notif	ied body - Report	Tested	size [mm]
			Essentia	l char	acteristic	s	1	
	4.2	Resistance to wind load	C3 (1200 P	a)	[0960)] – 20.00744 rev A	1500	x2380 ⁽²⁾
	4.5	Watertightness	E1050 (1050	E1050 (1050 Pa))] – 20.00744 rev A	150	0x2380
	4.6	Dangerous substances	In the material	In the materials delivered by Reynaers, no dangerous su hEN 14351-1 are used.		substances	as indicated in	
	4.7	Impact resistance	4		[09	60] – 21.00887.2	238	0x2380
	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width				See 6		
EN 1	4.11	Acoustic performance	Glass: 36(-1;-5) 41(-2;-4) 45(-2;-6) 50(-2;-8) 52(-1;-5)	36 39 41 43(ng door: (-2;-4) (-1;-3) (-2;-4) -1;-4) * -2;-3) *	[0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF [0757] - 22-002767-PF	R01 PB 01 R01 PB 01 R01 PB 01	2705x2350
	4.12	Thermal transmittance	Ud to be cal	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass				glass	
	4.14	Air permeability	4 [0960] – 20.00744 rev A		150	0x2380		
			Non-essen	tial ch	aracteris	tics		
	4.4.1	Reaction to fire	Anodized: A Painted: A Gaskets: E	2	certifica	lecision 96/603/EC ate EFR-21-001664A 32] – 230006500-6		
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190		3600x3	000, 400kg 000, 500kg 000, 400kg	
	4.17	Mechanical strength	4		[09	60] – 21.00887.1	2380x2	380, 230kg
Ξ	4.18	Ventilation	npd					
EN 14351-1	4.19	Bullet resistance (BP version)	npd					
	4.20	Explosion resistance		npd				
	4.21	Resistance to repeated opening and closing		3 (20.000) [0960] - 22.00537 rev A 3 (20.000) [0960] - 22.00926 rev A 4 (50.000) [0960] - 23.00190		3600x3	000, 400kg 000, 500kg 000, 400kg	
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)				npd		

* Non-standard configuration



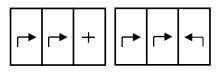
5.13 2-rail - Bi-part - Inside/Outside Corner



	Characteristic		Performance	Notified body - Report	Tested size [mm]			
			Essential char	acteristics				
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾			
	4.5	Watertightness	8A (450 Pa)	[0960] – 23.00640	1500x2380			
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380			
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd				
EN 14	4.9	Height & width	See 6					
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	4	[0960] – 23.00640	1500x2380			
			Non-essential ch	naracteristics				
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces		npd				
	4.17	Mechanical strength	npd					
7	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)	npd					
Ē	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	npd					
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)		npd				



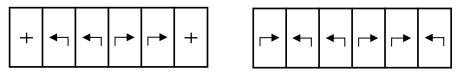
5.14 3-rail



Characteristic		Characteristic	Performance	Notified body - Report	Tested size [mm]			
	Γ		Essential char	acteristics				
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.01396	1500x2380			
	4.5	Watertightness	8A (450 Pa)	[0960] – 21.01396	1500x2380			
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380			
351-1	4.8	Load-bearing capacity of safety devices		npd				
EN 14351-1	4.9	Height & width	See 6					
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	4	[0960] – 21.01396	1500x2380			
			Non-essential ch	aracteristics				
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg			
5	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)	npd					
EN	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg			
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)	npd					



5.15 3-rail - Bi-part

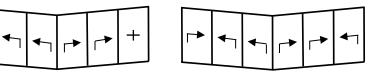


Characteristic		Characteristic	Performance	Notified body - Report	Tested size [mm]		
	1		Essential charac	cteristics			
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 21.01396	1500x2380 ⁽²⁾		
	4.5	Watertightness	8A (450 Pa)	[0960] – 21.01396	1500x2380		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.				
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380		
EN 14351-1	4.8	Load-bearing capacity of safety devices	npd				
EN 1	4.9	Height & width	See 6				
	4.11	Acoustic performance	npd				
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass				
	4.14	Air permeability	4	[0960] – 21.01396	1500x2380		
			Non-essential cha	racteristics			
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6			
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg		
7	4.18	Ventilation	npd				
N 14351-1	4.19	Bullet resistance (BP version)	npd				
	4.20	Explosion resistance	npd				
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.22	Behaviour between different climates		npd			
	4.23	Burglar resistance (AP version)	npd				

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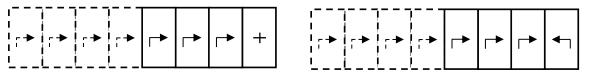
5.16 3-rail - Bi-part - Inside/Outside Corner



Characteristic		Characteristic	Performance	Notified body - Report	Tested size [mm]			
			Essential charac	cteristics				
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00640	1500x2380 ⁽²⁾			
	4.5	Watertightness	8A (450 Pa)	[0960] – 23.00640	1500x2380			
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.					
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380			
EN 14351-1	4.8	Load-bearing capacity of safety devices	npd					
EN 14	4.9	Height & width	See 6					
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	4	[0960] – 23.00640	1500x2380			
			Non-essential cha	racteristics				
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	npd					
	4.17	Mechanical strength	npd					
7	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)	npd					
Ш	4.20	Explosion resistance	npd					
	4.21	Resistance to repeated opening and closing	npd					
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)	npd					



5.17 Multi-rail

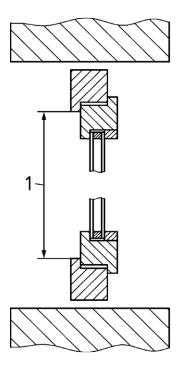


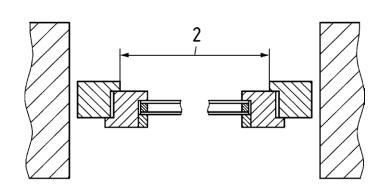
		Characteristic	Performance	Notified body - Report	Tested size [mm]		
			Essential charac	cteristics			
	4.2	Resistance to wind load	C2 (800 Pa)	[0960] – 23.00977	1500x2380 ⁽²⁾		
	4.5	Watertightness	7A (300 Pa)	[0960] – 23.00977	1500x2380		
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.				
	4.7	Impact resistance	4	[0960] – 21.00887.2	2380x2380		
351-1	4.8	Load-bearing capacity of safety devices	npd				
EN 14351-1	4.9	Height & width	See 6				
	4.11	Acoustic performance	npd				
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass				
	4.14	Air permeability	4	[0960] – 23.00977	1500x2380		
			Non-essential cha	racteristics			
	4.4.1	Reaction to fire	Anodized: A1 Painted: A2 Gaskets: E	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6			
	4.16	Operating forces	0 1 1	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.17	Mechanical strength	4	[0960] – 21.00887.1	2380x2380, 230kg		
7	4.18	Ventilation	npd				
N 14351-1	4.19	Bullet resistance (BP version)	npd				
EN	4.20	Explosion resistance	npd				
	4.21	Resistance to repeated opening and closing	3 (20.000) 3 (20.000) 4 (50.000)	[0960] – 22.00537 rev A [0960] – 22.00926 rev A [0960] – 23.00190	3600x3000, 400kg 3600x3000, 500kg 3600x3000, 400kg		
	4.22	Behaviour between different climates	npd				
	4.23	Burglar resistance (AP version)	npd				



6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

The clear opening height 1 and clear opening width 2 are defined as indicated in following sketches of EN 12519:2018.







UPDATES

13/10/2022

	VARIANTS	Characteristic
22.00447	5.1	4.2, 4.5, 4.14

14/12/2022

	VARIANTS	Characteristic
22-002767-PR01 PB 01	5.8 ~ 5.10	4.11
22-002767-PR01 PB 02	5.8 ~ 5.10	4.11

21/03/2023

	VARIANTS	Characteristic
22.00926	5.1 ~ 5.12	4.16, 4.21
20.00738	5.1 ~ 5.12	4.16, 4.21

26/06/2023

	VARIANTS	Characteristic
23.00190	5.1 ~ 5.12	4.16, 4.21

31/07/2023

	VARIANTS	Characteristic
23.00640	5.5	4.2, 4.5, 4.14

25/09/2023

	VARIANTS	Characteristic
Text revision	GENERAL EXPLANATION	
Tested size [mm]	5.1 – 5.13	
Text revision	5.1 – 5.13	4.12

26/10/2023

	VARIANTS	Characteristic
23.00977	5.17	4.2, 4.5, 4.14
23.00979	5.10	4.2, 4.5, 4.14