

# ORKAN Storm Washers

Increased installation reliability, high form stability and optimum load transmission for crown fixings

## Requirements

ORKAN storm washers are used for a consistent load distribution and load transmission of the crown fixing of trapezoidal profiled sheet or sandwich panel constructions. This is guaranteed by the pronounced reinforcement beads of the ORKAN storm washers.

As a so-called second insulation level, the storm washer permanently buffers the fixed size between upper substructure edge and screw head. The sheet metal crown is often slightly convex or concave. In order to compensate these tolerances, a soft closed-cell rubber is ideal. No bridging arises where moisture can enter up to the fastener shank and thus the inside of the building.

The permanent compression required for the lasting watertightness of this cellular rubber is minimal and the deformation of a thin-walled trapezoidal profiled sheet can be prevented during installation.

## Installation reliability

EJOT ORKAN storm washers also contribute to a reliable installation because the installer can use them as a plate drill jig when placing the storm washer. It always hits the middle of the crown. Furthermore, the surface of the profile element is protected against scratches during the fastening process.

The ORKAN storm washer provides an increased clamping force on the component, without plastic deformation. The increased load due to the use of EJOT ORKAN storm washers is documented in various building authorities test certificates (type statistics) for trapezoidal aluminium profiles.

## Selection guide

Our application engineering will gladly assist you in selecting the right storm washer.

### We only need the following three values:

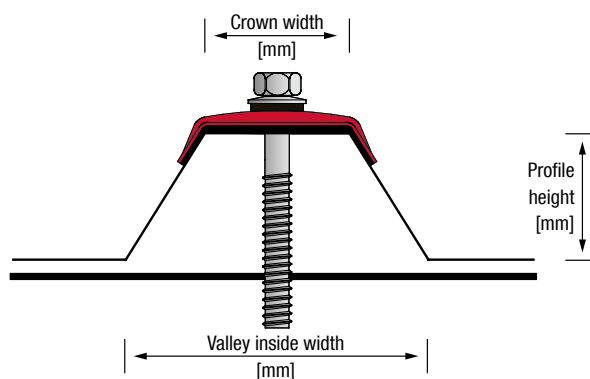
- > Top flange width [mm]
- > Profile height [mm]
- > Valley inside width [mm]

### Reply

Please tell us the three values:

**F +49 2752 908-731**

**construction@ejot.com**



## Selection guide for ORKAN storm washers

This list is not exhaustive. Profiles which are not listed or marked with asterisk \* are available upon request.

Manufacturer	Profile description	Storm washer type	Manufacturer	Profile description	Storm washer type	
Alubel	alubel 28	41-32	Bieber	89/305	41-32	
	alubel 21	26-34		100/275	41-24*	
	alubel 40	41-32		106/250	41-16	
	alubel 44	31-31		110/333	41-16	
	Alutech Dach	26-27		135/310	41-24*	
Aluform	Aluform 20/125	41-32	Brucha	150/280	41-24*	
	Aluform 29/124	20-34		160/250	41-16	
	Aluform 30/153	26-34		170/250	41-16	
	Aluform 40/167	35-23*		DP72/82/102/122/142/162/182/202	26-15	
	Aluform 42/250	31-31	DP-F	26-15		
	Aluform 45/150	26-27	DS 20/115	26-34		
	Aluform 45/200	41-24*	DS 35/190	41-39		
	Alutherm DT 900	26-27	DS 35/206	36-40		
	Alutherm DT 1000	31-31	DS Sinus 35/143	W 30		
	Corrugated sheet 18/76	W 24	SISCOROOOF 4G	21-16		
	Corrugated sheet 35/137	W 43	SISCOTEC ROOF 4G	21-16		
	Corrugated sheet 55/177	W 48	EL 22/214	36-40		
	Arcelor	A 35/207	35-47	Feilmeier	EL 30/220	41-50
		AL 34/207	41-39		EL 35/207	41-32
B 35/207		41-16	EL 39/333/S		36-32*	
39/333 T		26-27	EL 40/183		41-16	
AL 40/183		41-16	EL 45/333/S		31-37	
A 40/183		41-24*	EL 50/250		53-36*	
44/180		53-36	Corrugated sheet EL 18/76		W24	
AL 45/150		26-27	Dakprofil 18 - 76		W 24	
50/262.5		46-43	Dakprofil 42 - 960		W 48	
85/280		41-39	Dakprofil 35 - 1000		41-24*	
100/275		41-24*	Dakprofil 40 - 915		41-16	
105/345		41-24*	Dakprofil 50 - 1000		55-32	
106/250		41-16	Dakprofil 58 - 945 KD		53-36*	
Ondatherm 1001 TS		26-27	Dakprofil 70R - 800		53-18*	
Ondafibre 3005 T	26-27	35/207	41-32			
Agratherm 1001 TS	26-27	40/183	41-16			
Corrugated sheet 18/76	W24	50/250	55-32			
Balex	Balextherm-PV-R	26-27	85/280	41-32		
	20/125	41-32	100/275	41-24*		
Bieber	30/262K	41-50	Fischer	135/310	41-24*	
	35/207	41-32		150/280	41-24*	
	40/183/183 S	41-16		165/250	41-16	
	50/250	41-39		Sinus 18	W 24	
	50/262	46-43*		Sinus 27	W 30	
	58/315K	53-36*		Sinus 42	W 48	
	70/200	53-18*		DL 70; 80; 100; 120; 140; 160	41-32	
	80/307	41-32		20/220	41-50	





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Friedrich von Lien AG Weckmann	W-20/990	26-34	Klöckner	KAS -D 65 - 115	36-40
	W-20/1100	26-50		KAS -D 68	21-16
	W-35/1035	41-39		KAS -D 80	41-32
	W-45R/900	41-24*		KAS -D 62 - 142	26-15
	W-45ER/1000	26-34	Lattonedil	Isocopre	21-25
	W-155/840	41-24*		Eurocinque	21-25
	W-1/1064	W 24		Eurocopre	21-25
Hoesch Bausysteme	Hoesch Thermorock Dach	23-33	Laukien	35-207	41-32
	Hoesch Isodach RD	32-25		22-214	41-39
	T 35.1	41-39		20-75	26-34
	T 40.1	41-16		45-333 S	26-27
	T 50.1	55-32		40-100	31-31
	T 85.1	41-32		50-250	41-39
	T 100.1	41-24*		18 / 76	W 24
	T 106.1	41-16		27 / 111	W 30
	WP 18/76	W 24		42 / 160	W 48
	WP 42/160	W 48		55 / 177	W 48
Italpanelli	Penta 40	21-16	Lindab	LP 20	26-34
	JI 33.250.1000	23-33		LP 35	41-32
JI 45.333.1000	26-27	LP 1100		26-45*	
Jorside	JI Vulcasteel Roof	26-34	Luxmetall	Sinus 18	W 24
	JI 35.207.1035	41-39		LM40 250 1000	26-27
	JI 40.183.915	41-16	LM19 156 1094	26-45*	
	JI 50.250.1000	55-32	LM 27-111-1000	W 30	
	JI 56.317.945	53-42*	20-75	26-34	
	JI Roof 1000	26-27	22-214	41-39	
	JI Ecopaneel 1000	23-33	35-207	41-32	
	Kingspan	KS 1000 RW	32-25	Maas	40-100
KS 1000 FF		23-33	45-150		26-27
Klinger & Partner	35.207.1035	41-39	45-333 S		26-27
	39.333.1000	26-34	50-250		41-39
Klöckner	KAS AL-20/125 A	41-32	Corrugated sheet 18-76		W24
	KAS AL-30/153 A	26-27	Corrugated sheet 27-111		W30
	KAS-35/207	41-32	Corrugated sheet 55-177		W48
	KAS AL-40/167 A	35-23*	Isopaneel		26-27
	KAS-40/183	41-16	Metecno	G4	21-16
	KAS AL-45/200 A	41-24*		Hipertec Dach	21-16
	KAS-50/250	55-32		Hipertec Dach Sound	21-16
	KAS-85/280	41-39	Toproof DG	20-34	
	KAS-89/305	41-32	Montana	SISCO	21-16
	KAS -18/76	W 24		SP 20	26-34
	KAS -42/160	W 48		SP 26	41-24*
	KAS -55/177	W 48	SP 30	41-50	
				SP 35	41-32





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Montana	SP 40	41-16	Plannja	Plannja 20-105	26-38*
	SP 44	31-22*		Plannja 35	41-32
	SP 45	41-32		Sinus 18	W24
	SP 59	35-23*		Sinus 51	W48
	SP 80	41-16		Plannja 20	36-40
	MTD TL 65	35-23*		Plannja 60	41-16
	MTD TL 85	35-23*		Plannja 30	31-37
	MTD TL 105	35-23*		Plannja 45	41-39
	MTD TL 125	35-23*		T18 DR	35-47
	MTD TL 145	35-23*		T20 M	35-47
	SP 18/1064	W 24		T35 DR	41-32
	SP 27/1000	W 30		T35 M	41-32
	SP 42/960	W 48		T35 E	41-32
M-Profile	KP	36-40	Polmetal	T40	41-39
Münker	M 20/210; M 20KD/210	41-39		T45P	32-25
	M 35/207	41-39		T50P	46-43
	M 35.1/207	35-47		20/154	26-34*
	M 40/183	41-16		26/143	41-32
	M 40.1/183	41-24*		30/207	35-47
	M 40/333; M 40KD/333	26-27		30/220	41-50
	M 50/250	55-32		30 KD	41-50
	M 85/280	41-32		35/207	41-39
	M 100/275	41-24*		40/183	41-16
	M 150/280	41-24*		45/150	41-32
	M 160/250	41-16		45/333	32-25
	M 18/76; M 18.1/76	W 24		50/250	55-32
	M 27/111; M 27.1/111	W 30	58 KD	53-42*	
O-Metal	20,125/8	41-32	Proge	59/225	35-23*
	20,136/8	31-45*		70/200	53-18*
	25,280/3	41-16		80/277	41-16
	25,268/4	26-38*		85/280	41-39
	30,207/5	35-23*		89/305	41-32
	30,153/7	26-34		100/275	41-24*
	35,207/5	41-39		105/345	41-24*
	40,183/5	41-16		106/250	41-16
	40,250/4	26-27		Corrugated sheet 18/76	W 24
	45,150/6	26-27		Corrugated sheet 27/111	W 30
	45,333/3	26-27		Corrugated sheet 42/160	W 48
	50,250/4	55-32		Corrugated sheet 55/177	W 48
	50,262.5/4	46-43*		Romakowski	D62; D82; D102; D122; D142; D162; D182
Corrugated sheet 18.76	W 24	19(KD)/1050	26-50		
Corrugated sheet 55.177	W48	Sab	35R/1035	41-32	
Corrugated sheet 27.111	W30		40R/915	41-16	
Plannja	Plannja 19	26-45*			





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Manufacturer	Profile description	Storm washer type	Manufacturer	Profile description	Storm washer type
Sab	50R/1000	55–32	Wurzer Profiliertechnik	WU 18/76	W 24
	70R/800	53–18*		WU 27/111	W 30
	85R/1120	41–39		WU 55/177	W 48
	89R/915	41–32			
	100R/825	41–24*			
	30KD/1050	41–50			
	45KD/1000	32–25			
	45KD/1000S	26–27			
	58KD/945	53–36*			
	65-75-95-115-135	36–40			
	D 70.1000 TL	31–37			
	D 90.1000 TL	31–37			
	D 110.1000 TL	31–37			
	D 130.1000 TL	31–37			
	D 135.1000 TL	36–40			
	D 160.1000 TL	31–37			
	18 / 988	W 24			
	42 / 960	W 48			
	27 / 1000	W 24			
	Salzgitter	PS 35/207	41–32		
PS 40/183		41–16			
PS 50/250		55–32			
PS 85/280		41–39			
PS 100/275		41–24*			
SIP D		41–32			
Siegmetall	S 18/76	W 24			
	S 35/207	35–47			
	40/183	41–16			
	40/333	26–27			
	50/250	55–32			
	CB 75/305	41–39			
	85/280	41–32			
100/275	41–16				
Trimo	SNV	26–27			
	WU 20/125	41–32			
	WU 30/200	20–34			
	WU 30D/207	35–47			
	WU 30W/207	35–47			
Wurzer Profiliertechnik	WU 35/207	41–32			
	WU 40/183	41–16			
	WU 45/333	26–27			
	WU 50/250	55–32			
	WU 80/307	41–32			
	WU 100/275	41–24*			



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