

R-WX-T

SELF-DRILLING SCREWS FOR STEEL

Screw for trapezoidal steel
TORX25 drive



ETA-23/0198

KOT-2022/2206

UKTA-22/6338

FEATURES AND BENEFITS

Hardened thread surface.

High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.

Shape and type of the thread specially design to allow connecting to metal sheets.

The drill point is designed to provide a fast and hassle-free inSteellation. Sharp point of the drill prevents movement of the surface of the fixture.

Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.

Pre-assembled sleeve R-GOK-II with a screw shortens the assembly time, additionally it has a security in the form of a locking O-ring, which prevents the screw from slipping out.

SUBSTRATES



Sheet metal





APPLICATIONS

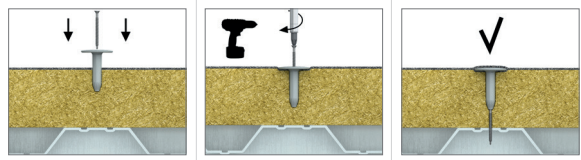
Systems of mechanically fastened flexible roof waterproofing membrane with a appropriate telescopic or steel washer.

Thermal insulation:
polystyrene (EPS) boards, mineral wool boards, sandwich panel PIR/PUR, polyurethane board, light wood wool boards, cork.

Membranes: PVC, EPDM, TPO/FTO.

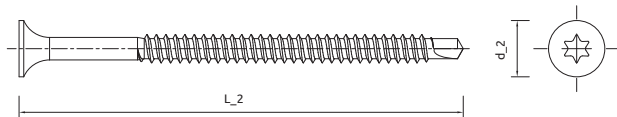


INSTEELLATION INSTRUCTIONS



1. Select a suitable screw type for substrate and the length of the sleeve and screw.
2. Lightly insert plastic sleeve into an insulation material.
3. Using drilling machine, drive the screw into substrate until fixing depth is reached.

PRODUCT INFORMATION



Product Code	Screw	
	Diameter	Length
	d	L
	[mm]	
R-WX-60T050	6.0	50
R-WX-60T060	6.0	60
R-WX-60T070	6.0	70
R-WX-60T080	6.0	80
R-WX-60T100	6.0	100
R-WX-60T120	6.0	120
R-WX-60T140	6.0	140
R-WX-60T160	6.0	160
R-WX-60T180	6.0	180
R-WX-60T200	6.0	200
R-WX-60T240	6.0	240
R-WX-60T300	6.0	300

Size	Product Code	Screw R-WX	
		Diameter	Length
		d_2	L_2
Ø4.8	R-WX-48T050	4.8	50
	R-WX-48T060	4.8	60
	R-WX-48T070	4.8	70
	R-WX-48T080	4.8	80
	R-WX-48T100	4.8	100
	R-WX-48T120	4.8	120
	R-WX-48T140	4.8	140
	R-WX-48T160	4.8	160
	R-WX-48T180	4.8	180
	R-WX-48T200	4.8	200
	R-WX-48T240	4.8	240
	R-WX-48T300	4.8	300

PRODUCT INFORMATION

Product Code	Plastic sleeve Fixture			Fixture
	Diameter	Length	Plate diameter	Min. thickness
	d	L	D	t _{fix}
	[mm]			
R-GOK-II-035	14.2	35	50	50
R-GOK-II-065	14.2	65	50	80
R-GOK-II-085	14.2	85	50	100
R-GOK-II-105	14.2	105	50	120
R-GOK-II-135	14.2	135	50	150
R-GOK-II-165	14.2	165	50	180
R-GOK-II-185	14.2	185	50	200
R-GOK-II-225	14.2	225	50	240
R-GOK-II-255	14.2	255	50	270
R-GOK-II-285	14.2	285	50	300
R-GOK-II-325	14.2	325	50	340
R-GOK-II-385	14.2	385	50	400
R-GOK-II-425	14.2	425	50	440
R-GOK-II-525-N	15.5	525	50	540
R-GOK-II-625-N	15.5	625	50	640
R-GOK-II-725-N	15.5	725	50	740

INSTALLATION DATA

Substrate			Steel
Screw diameter	d	[mm]	4.8 - 6.0
Min. substrate thickness	h _{min}	[mm]	0.63
Min. spacing	s _{min}	[mm]	120
Min. edge distance	c _{min}	[mm]	30
Mounting socket	TX	-	TX25

BASIC PERFORMANCE DATA

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-GOK-II + R-WX	[kN]	0,8	1,08	1,17	1,62	1,88	1,88
DESIGN LOAD [kN]							
R-GOK-II + R-WX	[kN]	0,40	0,54	0,59	0,81	0,94	0,94
RECOMMENDED LOAD [kN]							
R-GOK-II + R-WX	[kN]	0,29	0,39	0,42	0,58	0,67	0,67

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POK + R-WX/R-WX-T	[kN]	0,80	1,08	1,17	1,62	2,01	2,82
DESIGN LOAD [kN]							
R-POK + R-WX/R-WX-T	[kN]	0,40		0,59	0,81	1,01	1,41
RECOMMENDED LOAD [kN]							
R-POK + R-WX/R-WX-T	[kN]	0,29	0,39	0,42	0,58	0,72	1,01

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POW-05 + R-WX/R-WX-T	[kN]	0,80	1,08	1,17	1,62	2,01	2,82
DESIGN LOAD [kN]							
R-POW-05 + R-WX/R-WX-T	[kN]	0,40	0,54	0,59	0,81	1,01	1,41
RECOMMENDED LOAD [kN]							
R-POW-05 + R-WX/R-WX-T	[kN]	0,29	0,39	0,42	0,58	0,72	1,01

BASIC PERFORMANCE DATA (cont.)

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POW-06 + R-WX/R-WX-T	[kN]	0,80	1,08	1,17	1,62	2,01	2,54
DESIGN LOAD [kN]							
R-POW-06 + R-WX/R-WX-T	[kN]	0,40	0,54	0,59	0,81	1,01	1,27
RECOMMENDED LOAD [kN]							
R-POW-06 + R-WX/R-WX-T	[kN]	0,29	0,39	0,42	0,58	0,72	0,91

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POW-07 + R-WX/R-WX-T	[kN]	0,80	1,08	1,17	1,62	2,01	2,82
DESIGN LOAD [kN]							
R-POW-07 + R-WX/R-WX-T	[kN]	0,40	0,54	0,59	0,81	1,01	1,41
RECOMMENDED LOAD [kN]							
R-POW-07 + R-WX/R-WX-T	[kN]	0,29	0,39	0,42	0,58	0,72	1,01

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-GOK-II + R-WX-60T	[kN]	1,31	1,45	1,57	1,88	1,88	1,88
DESIGN LOAD [kN]							
R-GOK-II + R-WX-60T	[kN]	0,66	0,73	0,79	0,94	0,94	0,94
RECOMMENDED LOAD [kN]							
R-GOK-II + R-WX-60T	[kN]	0,47	0,52	0,56	0,67	0,67	0,67

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POK-040/R-POK-041 + R-WX-60T	[kN]	1,31	1,45	1,57	2,11	2,69	3,36
DESIGN LOAD [kN]							
R-POK-040/R-POK-041 + R-WX-60T	[kN]	0,66	0,73	0,79	1,06	1,35	1,68
RECOMMENDED LOAD [kN]							
R-POK-040/R-POK-041 + R-WX-60T	[kN]	0,47	0,52	0,56	0,75	0,96	1,20

Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POK-06 + R-WX-60T	[kN]	1,31	1,45	1,57	2,11	2,54	2,54
DESIGN LOAD [kN]							
R-POK-06 + R-WX-60T	[kN]	0,66	0,73	0,79	1,06	1,27	1,27
RECOMMENDED LOAD [kN]							
R-POK-06 + R-WX-60T	[kN]	0,47	0,52	0,56	0,75	0,91	0,91

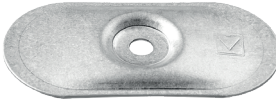
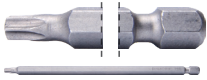
Screw		Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD	Steel S320GD
Effective embedment depth	[mm]	>0,63	>0,75	>0,88	>1,00	>1,25	>1,50
CHARACTERISTIC LOAD [kN]							
R-POW-07 + R-WX-60T	[kN]	1,31	1,45	1,57	2,11	2,69	3,17
DESIGN LOAD [kN]							
R-POW-07 + R-WX-60T	[kN]	0,66	0,73	0,79	1,06	1,35	1,59
RECOMMENDED LOAD [kN]							
R-POW-07 + R-WX-60T	[kN]	0,47	0,52	0,56	0,75	0,96	1,13

PRODUCT COMMERCIAL DATA

Size	Product Code	Screw R-WX		Quantity [szt]			EAN
		Diameter	Length				
		d ₂	L ₂				
				Box	Outer	Pallet	
Ø4.8	R-WX-48T050	4.8	50	250	3000	72000	5906675104157
	R-WX-48T060	4.8	60	250	3000	72000	5906675104164
	R-WX-48T070	4.8	70	250	3000	72000	5906675104171
	R-WX-48T080	4.8	80	250	3000	72000	5906675104188
	R-WX-48T100	4.8	100	200	2400	57600	5906675104201
	R-WX-48T120	4.8	120	200	2400	57600	5906675104232
	R-WX-48T140	4.8	140	200	2400	57600	5906675104256
	R-WX-48T160	4.8	160	100	1200	28800	5906675104263
	R-WX-48T180	4.8	180	100	100	16800	5906675104270
	R-WX-48T200	4.8	200	100	100	16800	5906675104287
Ø6.0	R-WX-48T240	4.8	240	100	100	16800	5906675104300
	R-WX-48T300	4.8	300	100	100	16800	5906675104317
	R-WX-60T050	6.0	50	200	2400	57600	5906675522012
	R-WX-60T060	6.0	60	200	2400	57600	5906675522029
	R-WX-60T070	6.0	70	200	2400	57600	5906675522036
	R-WX-60T080	6.0	80	200	2400	57600	5906675522043
	R-WX-60T100	6.0	100	100	1200	28800	5906675522050
	R-WX-60T120	6.0	120	100	1200	28800	5906675522067
	R-WX-60T140	6.0	140	100	1200	28800	5906675522074
	R-WX-60T160	6.0	160	100	1200	28800	5906675522081
	R-WX-60T180	6.0	180	100	100	16800	5906675522098
	R-WX-60T200	6.0	200	100	100	16800	5906675522104
	R-WX-60T240	6.0	240	100	100	16800	5906675522111
	R-WX-60T300	6.0	300	100	100	16800	5906675522128

Product Code	Sleeve		Quantity [szt]			EAN
	Diameter	Length				
	[mm]		Box	Outer	Pallet	
R-GOK-II-035	14.2	35	600	600	33600	5906675528465
R-GOK-II-065	14.2	65	400	400	22400	5906675528472
R-GOK-II-085	14.2	85	300	300	16800	5906675528489
R-GOK-II-105	14.2	105	250	250	14000	5906675528496
R-GOK-II-135	14.2	135	200	200	11200	5906675528502
R-GOK-II-165	14.2	165	150	150	8400	5906675529059
R-GOK-II-185	14.2	185	100	100	5600	5906675530260
R-GOK-II-225	14.2	225	100	100	5600	5906675528519
R-GOK-II-255	14.2	255	75	75	4200	5906675529066
R-GOK-II-285	14.2	285	75	75	4200	5906675530277
R-GOK-II-325	14.2	325	50	50	2800	5906675530284
R-GOK-II-385	14.2	385	50	50	2000	5906675535500
R-GOK-II-425	14.2	425	50	50	1600	5906675530291
R-GOK-II-525-N	15.5	525	50	50	600	5906675529813
R-GOK-II-625-N	15.5	625	50	50	600	5906675529820
R-GOK-II-725-N	15.5	725	50	50	600	5906675529837

RELATED PRODUCT

Telescopic sleeve with round plate R-GOK-II 	Round steel washer R-POK 	Oval steel washers R-POW 	Adapters with thread M5 RT-TBIT-ADAP 
Telescopic sleeve for flat roof insulation fixings. Combined together with the corresponding screw allows application in all types of substrates.	Steel washer with special form for roofing applications, for use with all types of roofing screws. 76 mm, Ø inner diameter 6.5 mm.	Steel pressure plates for fastening of single ply membrane systems 80 x 40 mm, Ø inner diameter 5 mm.	Adapter for bits with thread M5.
Expanders SDS plus Roof System RT-ADAP 	Long screwdriver bits RT-BIT-TORX25 	Cordless RawlDriver 18V R-PDD18 	Cordless drywall RawlDriver 18V R-PDS18 
Special SDS plus adapters for tapered Roof System drill bits.	Special long screwdriver bits designed for roof fixings applications.	The 18 V drill driver gives the possibility of optimal selection of the torque for driving screws depending on the hardness of the material.	18 V RawlDriver cordless bare tool with 1/4" holder, enables fast and stable installation in plasterboard.