

R-WO-T Screws for steel

Screw for trapezoidal steel sheet substrate; max thickness of 0.9mm, TORX25 drive



Approvals and Reports

- ETA-09/0346



Product information

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 and wood
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Pre-assembly with other components is possible before installation

Applications

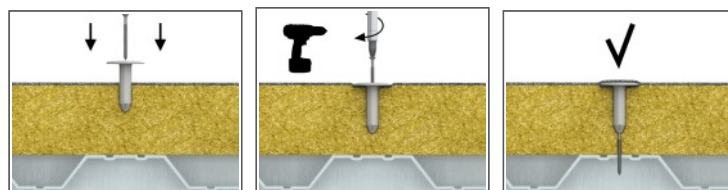
- Insulation layers on flat roofs together with a appropriate telescopic or steel washer

Base materials

Approved for use in:

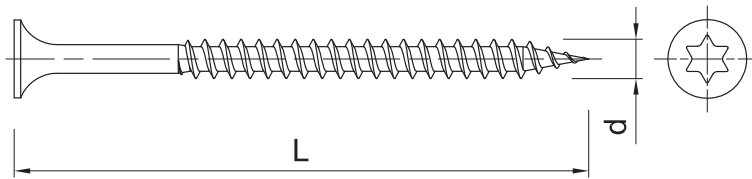
- Metal Sheet & Profiles
- Timber
- Chipboard
- Oriented Strand Board

Installation guide



1. Lightly insert plastic sleeve into insulation material
2. Using drilling machine, drive the WO screw into substrate until fixing depth is reached

Product information



Product Code	Screw	
	Diameter	Length
	d	L
	[mm]	[mm]
R-WO-48T060	4.8	60
R-WO-48T080	4.8	80
R-WO-48T100	4.8	100
R-WO-48T120	4.8	120
R-WO-48T140	4.8	140
R-WO-48T160	4.8	160
R-WO-48T180	4.8	180
R-WO-48T200	4.8	200
R-WO-48T240	4.8	240
R-WO-48T300	4.8	300

Product Code		Plastic sleeve			Fixture		Length	Bite type
		Diameter	Length	Plate diameter	Min. thickness	Max. thickness		
		d	L	D	t _{fix}	t _{fix}		
		[mm]	[mm]	[mm]	[mm]	[mm]		
GOK-015		15.5	15	50	30	280		
GOK-035		15.5	35	50	50	300		
GOK-065		15.5	65	50	80	330		
GOK-075		15.5	75	50	90	340		
GOK-085		15.5	85	50	100	350		
GOK-095		15.5	95	50	110	360		
GOK-105		15.5	105	50	120	370		
GOK-125		15.5	125	50	140	390		
GOK-135		15.5	135	50	150	400		
GOK-165		15.5	165	50	180	430		
GOK-185		15.5	185	50	200	450		
GOK-225		15.5	225	50	240	490		
GOK-255		15.5	255	50	270	520		
GOK-285		15.5	285	50	300	550		
GOK-325		15.5	325	50	340	590		
GOK-385		15.5	385	50	400	650		
GOK-425		15.5	425	50	440	690		
	GOK-525-N	15.5	525	50	540	790		
	GOK-625-N	15.5	625	50	640	890		
	GOK-725-N	15.5	725	50	740	990		
		TORX-025/100					100100100 100100	TORX-025

Installation data

Substrate			Steel	Chipboard OSB	Timber, grade C24
Screw diameter	d	[mm]	4.8	4.8	4.8
Hole diameter in substrate	d ₀	[mm]	-	-	-
Min. hole depth in substrate	h ₀	[mm]	-	-	-
Min. installation depth	h _{nom}	[mm]	-	18	24
Min. substrate thickness	h _{min}	[mm]	0.5	18	24
Min. spacing	s _{min}	[mm]	120	120	120
Min. edge distance	c _{min}	[mm]	30	30	30

Product commercial data

Size	Product Code	Screw	Plastic sleeve		Length [mm]	Quantity [pcs]			Weight [kg]			Bar Codes
		Length [mm]	Diameter [mm]	Length [mm]		Box	Outer	Pallet	Box	Outer	Pallet	
Ø4.8	R-WO-48T060 ¹⁾	60				250	4000	96000	1.38	22.1	561.5	5906675104676
	R-WO-48T080 ¹⁾	80				250	3000	72000	1.85	22.1	561.5	5906675104683
	R-WO-48T100 ¹⁾	100				200	3200	76800	2.0	32.0	798.0	5906675104690
	R-WO-48T120 ¹⁾	120				200	3200	76800	2.2	34.7	863.3	5906675104706
	R-WO-48T140 ¹⁾	140				200	2400	57600	2.6	31.0	774.6	5906675104713
	R-WO-48T160 ¹⁾	160				100	1200	28800	1.62	19.5	496.9	5906675104720
	R-WO-48T180 ¹⁾	180				100	100	16800	1.83	1.83	337.8	5906675104744
	R-WO-48T200 ¹⁾	200				100	100	16800	2.0	2.0	371.5	5906675104751
	R-WO-48T240 ¹⁾	240				100	100	16800	2.2	2.2	399.9	5906675104768
R-WO-48T300 ¹⁾	300				100	100	16800	2.7	2.7	485.8	5906675104775	
	R-GOK-015		15.5	15		1100	1100	26400	6.6	6.6	188.9	5906675101033
	R-GOK-035		15.5	35		600	600	14400	4.6	4.6	140.5	5906675101057
	R-GOK-065		15.5	65		400	400	9600	4.3	4.3	132.3	5906675101170
	R-GOK-075		15.5	75		300	300	7200	3.4	3.4	111.3	5906675106663
	R-GOK-085		15.5	85		300	300	7200	3.8	3.8	122.0	5906675106687
	R-GOK-095		15.5	95		250	250	6000	3.3	3.3	109.3	5906675106717
	R-GOK-105		15.5	105		250	250	6000	3.7	3.7	119.1	5906675106748
	R-GOK-125		15.5	125		200	200	4800	3.3	3.3	109.4	5906675106779
	R-GOK-135		15.5	135		200	200	4800	3.4	3.4	112.6	5906675106830
	R-GOK-165		15.5	165		150	150	3600	3.1	3.1	105.0	5906675106861
	R-GOK-185		15.5	185		100	100	2400	2.4	2.4	87.1	5906675106885
	R-GOK-225		15.5	225		100	100	2400	2.7	2.7	94.2	5906675107103
	R-GOK-255		15.5	255		75	75	1800	2.4	2.4	88.0	5906675112855
	R-GOK-285		15.5	285		75	75	1800	2.5	2.5	89.5	5906675107295
	R-GOK-325		15.5	325		50	50	1200	2.0	2.0	76.8	5906675108056
	R-GOK-385		15.5	385		50	50	800	2.1	2.1	62.8	5906675108117
	R-GOK-425		15.5	425		50	50	800	2.4	2.4	68.2	5906675108629
	R-GOK-525-N		15.5	525		50	50	400	4.2	4.2	63.3	5906675113883
	R-GOK-625-N		15.5	625		50	50	400	4.7	4.7	67.5	5906675113890
	R-GOK-725-N		15.5	725		50	50	400	5.2	5.2	71.6	5906675113906
	RT-BIT-TORX25/100				100	12	480	960	0.37	14.9	59.8	5906675026022
	RT-BIT-TORX25/150				150	12	480	960	0.56	22.6	75.1	5906675026039
	RT-BIT-TORX25/200				200	12	240	960	0.74	14.9	89.5	5906675026046
	RT-BIT-TORX25/350				350	12	216	864	1.31	23.5	124.2	5906675026060
	RT-BIT-TORX25/450				460	12	144	864	1.66	19.9	149.2	5906675026077

1) ETA-09/0346