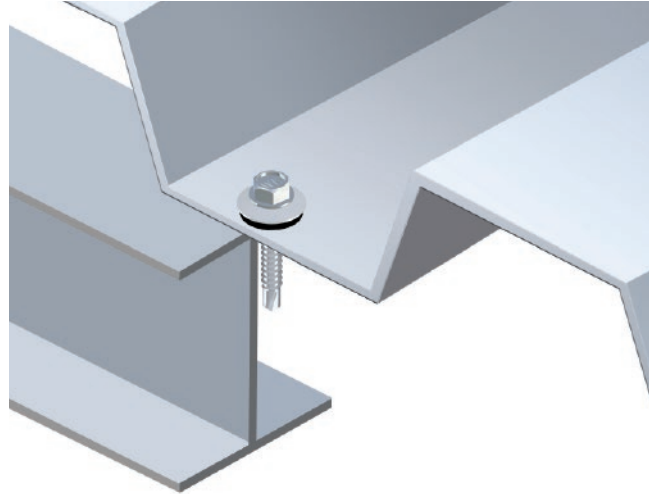


WSS Self-drilling screw with EPDM washer
for fixing steel sheets in steel construction - 12mm



ETA-16/0443



Description

Carbon-steel or stainless steel self-drilling screw with EPDM washer for fixing sheets in construction.

Protective coating / Material



Technical parameters

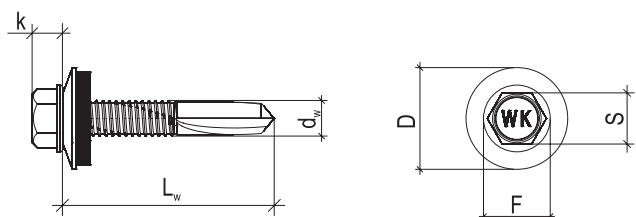
Screw diameter	d_w [mm]	5.5
Drilling capacity	t_{max} [mm]	12.0
Spanner size (S)	-	SW 8
Head height	k [mm]	4.9
Head diameter	F [mm]	10.5
Tip length	[mm]	15.0
Washer (D)	WSS	steel/EPDM (Z16)
	WSS-D	aluminium/EPDM (A16) stainless/EPDM (S16)*
Screw material	WSS/WSS-D	heat-treated carbon steel
Protective coating	WSS	galvanized zinc coating min. 12µm
	WSS-D	ceramic coating SQ
Paint coating	RAL	powder min. 60 µm
Substrate material	steel	min. S280GD
Technical approval	[-]	ETA-16/0443

Features and advantages

Self-drilling tip	Ability of drilling plates of thickness up to 12 mm, short time of fixing
EPDM washer	It seals and secures the connection from corrosion
Possibility of painting according to RAL Palette	Permanent colour adjusted to steel sheet, resistant to UV radiation and atmospheric conditions
Branding of head of screw	WK feature at head of the screw facilitates the identification of our company as the producer and easy recognition of the product
Anti-corrosion coating - electro-galvanized (WSS)	Thickness of zinc coating min. 12 µm, guarantee of quality and high level of anti-corrosion protection
Anti-corrosion coating - ceramic coating (WSS-D)	Very high level of anti-corrosion protection (several times higher than the traditional galvanization)

Installation parameters

Screw diameter	d_w [mm]	5.5
Min. construction thickness	h_{min} [mm]	4.0
Fastener anchorage depth	h_{eff} [mm]	push-through installation
Min. spacing	S_{min} [mm]	50
Min. edge distance	C_{min} [mm]	25



* - made to order

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Ø5.5	Code				d _w x L _w [mm]	Max. effective length t _{fix} [mm]	Drilling capacity t _{max} [mm]	
	Zn BLUE	Zn BLUE RAL	SUPER QUALITY SQ CERAMIC	SUPER QUALITY SQ CERAMIC RAL				
	WSS-55032	WSS-55032-RAL	WSS-D-55032	WSS-D-55032-RAL	5.5x32	2	12	250
	WSS-55038	WSS-55038-RAL	WSS-D-55038	WSS-D-55038-RAL	5.5x38	5	12	200
	WSS-55050	WSS-55050-RAL	WSS-D-55050	WSS-D-55050-RAL	5.5x50	17	12	200
		made to order ¹	made to order ²	made to order ²				

¹ Minimum order quantity per size & colour - 21000pcs

² Minimum order quantity per size & colour - 220000pcs

How to read the code, e.g. WSS-55038-3011?

WSS	D	55	038	3011
Type	Ceramic coating SQ	Diameter 5.5mm	Length 38mm	RAL 3011

Characteristic pull-out / shear strength [kN]

Construction thickness [mm]	Steel sheet thickness [mm]							
	0.50	0.63	0.75	0.88	1.00	1.25	1.50	2.00
4.00	3.81/1.53	3.81/1.88	3.81/2.50	3.81/2.87	3.81/2.89	3.81/2.89	3.81/2.89	3.81/2.89
5.00	3.81/1.53	3.81/1.88	3.81/2.50	3.81/2.87	3.81/2.89	3.81/2.89	3.81/2.89	3.81/2.89
6.00	3.81/1.53	3.81/1.88	3.81/2.50	3.81/2.87	3.81/2.89	3.81/2.89	3.81/2.89	3.81/2.89
8.00	3.81/1.53	3.81/1.88	3.81/2.50	3.81/2.87	3.81/2.89	3.81/2.89	3.81/2.89	3.81/2.89
10.00	3.81/1.53	3.81/1.88	3.81/2.50	3.81/2.87	3.81/2.89	3.81/2.89	3.81/2.89	3.81/2.89

Partial safety factor of 1.33 recommended