



# ARO W 4,8xL

## OVERLAP SCREWS (STAPLES)

### PRODUCT CHARACTERISTICS

Self-tapping drilling screws, made of hardened carbon steel, with hexagon head and with mounted steel or aluminium washer with EPDM attached (or without washer)

HEXAGONAL HEAD SIZE	8 mm
MINIMUM THICKNESS OF JOINED SHEETS	2x0,5 mm
MAXIMUM THICKNESS OF JOINED SHEETS	2x1,0 mm
DRILLING CAPACITY (DC)	2,0 mm
POSSIBILITY OF PAINTING	YES
PAINT COATING THICKNESS	approx. 50 µm
RECOMMENDED SCREWDRIVER SPEED	1800 rev/min
RECOMMENDED TIGHTENING TORQUE	3 Nm

### SCREW SIZE AND OTHER UTILITY DATA

AVAILABLE SIZES dxL [mm]	MATERIAL	TYPE OF ANTICORROSION COATING	USED WASHERS
4,8x20	carbon steel	*CS *CSG *CSE	without washer, 14ZN, 14AL

CS - carbon steel coated with zinc coating with a minimum thickness of 12 microns (optionally 24 microns)

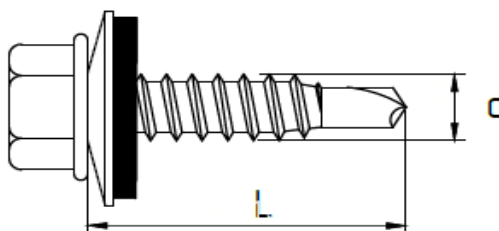
CSG - carbon steel coated with zinc coating with a minimum thickness of 5 microns

with additional Eco-GrePert ceramic coating (**CORROSION RESISTANCE UP TO C4 CATEGORY**)

CSE - carbon steel with EsC coating (**CORROSION RESISTANCE UP TO C4 CATEGORY**)

ZN - galvanized carbon steel, AL - aluminium, SS -stainless steel

MTmax- maximum thickness of the fixed elements



**SELECTED CHARACTERISTIC RESISTANCES PER SHEAR \***

**a) without washer**

Characteristic resistance [kN]					
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]				
	0,50	0,63	0,75	0,88	1,00
0,50	1,03	1,03	1,03	1,03	1,03
0,63	1,03	1,27	1,27	1,27	1,27
0,75	1,03	1,27	1,97	1,97	1,97
0,88	1,03	1,27	1,97	2,14	2,14
1,00	1,03	1,27	1,97	2,14	2,47

**b) with 14 ZN/AL washer**

Characteristic resistance [kN]					
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]				
	0,50	0,63	0,75	0,88	1,00
0,50	1,03	1,03	1,03	1,03	1,03
0,63	1,03	1,27	1,27	1,27	1,27
0,75	1,03	1,27	1,97	1,97	1,97
0,88	1,03	1,27	1,97	2,14	2,14
1,00	1,03	1,27	1,97	2,14	2,47

**SELECTED CHARACTERISTIC RESISTANCES PER PULL-OUT \***

**a) without washer**

Characteristic resistance [kN]					
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]				
	0,50	0,63	0,75	0,88	1,00
0,50	0,51	0,51	0,51	0,51	0,51
0,63	0,51	0,73	0,73	0,73	0,73
0,75	0,51	0,73	0,80	0,80	0,80
0,88	0,51	0,73	0,80	0,80	0,80
1,00	0,51	0,73	0,80	0,80	0,94

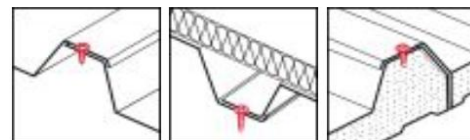
**b) with 14 ZN/AL washer**

Characteristic resistance [kN]					
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]				
	0,50	0,63	0,75	0,88	1,00
0,50	0,62	0,62	0,62	0,62	0,62
0,63	0,62	0,73	0,73	0,73	0,73
0,75	0,62	0,73	0,80	0,80	0,80
0,88	0,62	0,73	0,80	0,93	0,93
1,00	0,62	0,73	0,80	0,93	1,46

*\* This product data sheet shows only examples of fastenings resistances. Full information about resistances for introduced screws are described in the **ETA-18/0789** technical approval*

**PURPOSE AND SCOPE OF USE**

Screws for joining together thin steel sheets



This product data sheet is for information purposes only and does not constitute an offer within the meaning of Article 66 of the Civil Code par.1

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