



# AR6 W 6,3xL

## ROOFING SCREWS

### 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	3/8 "
MATERIAL OF SUPPORTING STRUCTURE	steel
MIN. THICKNESS OF SUPPORTING STRUCTURE (T min)	3,0 mm
DRILLING CAPACITY (DC)	6,0 mm
POSSIBILITY OF PAINTING	YES
PAINT COATING THICKNESS	approx. 50 µm
RECOMMENDED SCREWDRIVER SPEED	1500 rev/min
RECOMMENDED TIGHTENING TORQUE	6 Nm

### SCREW SIZE AND OTHER UTILITY DATA

AVAILABLE SIZES dxL [mm]	MTmax (with washer) [mm]	MTmax (without washer) [mm]	MATERIAL	TYPE OF ANTICORROSION COATING	USED WASHERS
6,3x19	3	6	carbon steel	*CS *CSG *CSE	without washer, 16ZN, 16AL
6,3x22	6	9			
6,3x25	9	12			
6,3x32	16	19			
6,3x38	22	25			
6,3x50	34	37			

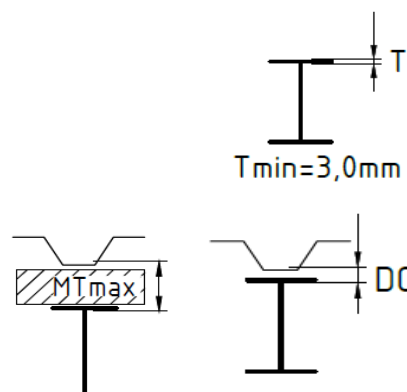
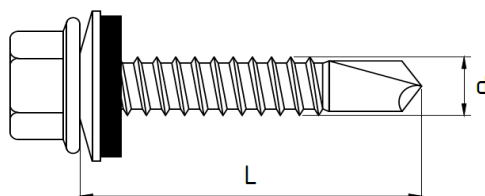
CS - carbon steel coated with zinc coating with a minimum thickness of 12 microns (optionally 24 microns)

CSG - carbon steel coated with zinc coating with 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

MTmax- maximum thickness of the fixed elements including thickness of supporting structure



**SELECTED CHARACTERISTIC RESISTANCES PER SHEAR \***

**a) without washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	1,30	1,30	1,30	-
0,63	1,44	1,44	1,44	-
0,75	2,01	2,01	2,01	-
0,88	2,40	2,40	2,40	-
1,00	2,91	2,91	2,91	-

**b) with 16ZN washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	1,30	1,30	1,30	-
0,63	1,44	1,44	1,44	-
0,75	2,01	2,01	2,01	-
0,88	2,40	2,40	2,40	-
1,00	2,91	2,91	2,91	-

**c) with 16AL washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	1,30	1,30	1,30	-
0,63	1,44	1,44	1,44	-
0,75	2,01	2,01	2,01	-
0,88	2,40	2,40	2,40	-
1,00	2,91	2,91	2,91	-

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

**a) without washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	0,72	0,72	0,72	-
0,63	1,05	1,05	1,05	-
0,75	1,15	1,15	1,15	-
0,88	1,16	1,16	1,16	-
1,00	1,32	1,32	1,32	-

**b) with 16ZN washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	3,23	3,23	3,23	-
0,63	3,64	3,64	3,64	-
0,75	4,70	4,70	4,70	-
0,88	4,74	5,35	5,35	-
1,00	4,74	6,48	6,48	-

**c) with 16AL washer**

Characteristic resistance [kN]				
Thickness of the fixed metal sheet [mm]	Thickness of supporting structure [mm]			
	3,00	4,00	5,00	6,00
0,50	3,08	3,08	3,08	-
0,63	3,52	3,52	3,52	-
0,75	4,06	4,06	4,06	-
0,88	4,07	4,07	4,07	-
1,00	4,63	4,63	4,63	-

*\* 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 fixing steel sheets to steel structures in responsible applications

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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