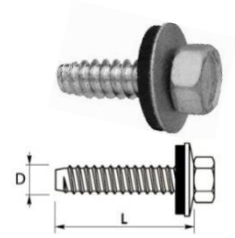


GT B Z16

SELF-TAPPING SCREWS TYPE B
WITH STEEL WASHER



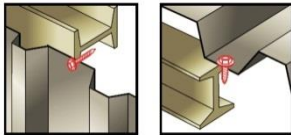
PRODUCT DESCRIPTION

Self-tapping screws made of surface-hardened carbon steel, electroplated, with fine thread and a hex head, provided with a steel washer with vulcanized EPDM.



APPLICATION

Designed for fixing construction corrugated steel sheets to steel structures. The maximum thickness of the substrate is determined by tapping capacity of the fastener.

Galvanized without paint coating for use in environments with corrosivity class C1, C2 according to PN-EN ISO 12944-2: 2001.



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum thickness of fixed elements [mm]	
			MTmax	
GT B	Z16	6,3 x 25	15	
GT B	Z16	6,3 x 32	22	
GT B	Z16	6,3 x 38	28	
GT B	Z16	6,3 x 50	40	
GT B	Z16	6,3 x 75	65	

The working length of the connector is calculated from the maximum thickness of the DC substrate

EUROPEAN TECHNICAL APPROVAL ETA-12/0580

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE

tN,II* [mm]	3,00	4,00	5,00	6,00	8,00	10,00	12,00	14,00
Drill	5,30			5,50	5,70			
VR [kN] for tN,I* [mm]								
0,50	-	-	-	-	-	-	-	-
0,55	-	-	-	-	-	-	-	-
0,63	0,75	0,75	0,75	0,75	0,75	0,75	0,75	0,75
0,75	0,75	0,95	0,95	0,95	0,95	0,95	0,95	0,95
0,88	0,75	0,95	1,32	1,32	1,32	1,32	1,32	1,32
1,00	0,75	0,95	1,32	1,73	1,73	1,73	1,73	1,73
1,13	0,75	0,95	1,32	1,73	1,73	1,73	3,12	-
1,25	0,75	0,95	1,32	1,73	1,73	2,18	4,05	-
1,50	0,75	0,95	1,32	1,73	1,73	2,18	4,41	-
1,75	0,75	0,95	1,32	1,73	1,73	2,18	-	-
2,00	0,75	0,95	1,32	1,73	1,73	-	-	-

Element I - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

Element II - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

To determine the structural carrying capacity of the characteristic safety factor $\gamma_m = 1.33$.

CHARACTERISTIC LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE IN A STEEL BASE

tN,II* [mm]	3,00	4,00	5,00	6,00	8,00	10,00	12,00	14,00
Drill	5,30			5,50	5,70			
NR [kN] for tN,I* [mm]								
0,50	-	-	-	-	-	-	-	-
0,55	-	-	-	-	-	-	-	-
0,63	3,74	3,74	3,74	3,74	3,74	3,74	3,74	3,74
0,75	4,85	4,85	4,85	4,85	4,85	4,85	4,85	4,85
0,88	5,50	5,50	5,50	5,50	5,50	5,50	5,50	5,50
1,00	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66
1,13	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66
1,25	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66
1,50	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66
1,75	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66
2,00	5,50	6,66	6,66	6,66	6,66	6,66	6,66	6,66

Element I - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

Element II - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

To determine the structural carrying capacity of the characteristic safety factor $\gamma_m = 1.33$.

OTHER FEATURES

BASE MATERIAL:	<i>HOT ROLLED STEEL PROFILE</i>
SIZE OF HEX HEAD:	<i>3/8'</i>
MINIMUM THICKNESS OF STEEL BASE:	<i>3,00 mm</i>
THICKNESS OF ZINC COATING:	<i>12 µm</i>
CORROSIVE ENVIRONMENT:	<i>C2</i>
OPINION ON ANTI-CORROSIVE PROTECTION:	<i>02248/16/Z00NZM</i>
POSSIBILITY OF PAINTING:	<i>NO</i>
TIGHTENING TORQUE:	<i>4,5 Nm</i>
RECOMMENDED ROTARY SPEED (IDLE):	<i>1200 rpm</i>
DIAMETER OF STEEL WASHER Z16:	<i>16 mm</i>

