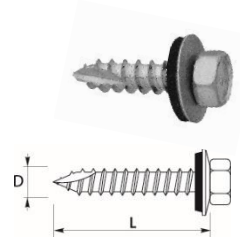


GT A Z16

SELF-TAPPING SCREWS TYPE A
WITH STEEL WASHER



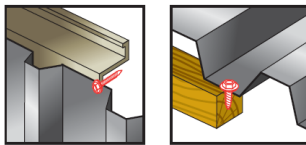
PRODUCT DESCRIPTION

Self-tapping carbon steel screws, surface-hardened, electro-galvanized, with loose thread and hex head, with integrated steel washer with vulcanized EPDM.


APPLICATION

Designed for fastening profiled construction steel sheets to wooden structures and thin-walled steel structures (max 2 x 1.50 mm). Short sizes can be used for overlap joint fixing of constructional steel sheets with each other or as repair switches.

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 drill capacity [mm]	Maximum thickness of fixed elements [mm]	
			DC	MTmax (WOOD)	MTmax (STEEL)
GT A	Z16	6,5 x 25	2 x 1,50	—	16
GT A	Z16	6,5 x 32	2 x 1,50	—	23
GT A	Z16	6,5 x 38	2 x 1,50	4	29
GT A	Z16	6,5 x 50	2 x 1,50	16	41
GT A	Z16	6,5 x 75	2 x 1,50	41	66

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]	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00	Wood class ≥ C24	
Drill	3,50	4,00	4,50				5,00	5,30		
VR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	-	-	-	Load capacity of element I on the screw of the screw pin
	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	-	1,73	
	1,25	0,75	0,95	1,32	1,73	1,73	2,18	2,18	2,18	
	1,50	0,75	0,95	1,32	1,73	1,73	2,18	2,18	2,18	
	1,75	0,75	0,95	1,32	1,73	1,73	2,18	-	2,18	
	2,00	0,75	0,95	1,32	1,73	1,73	-	-	2,18	

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]	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00	Wood class ≥ C24	
Drill	3,50	4,00	4,50				5,00	5,30		
NR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	-	-	-	Load capacity of element I for pulling screw head
	0,55	-	-	-	-	-	-	-	-	
	0,63	0,96	1,07	1,36	1,50	1,50	1,66	2,12	2,18	
	0,75	0,96	1,07	1,36	1,50	1,50	1,66	2,12	2,18	
	0,88	0,96	1,07	1,36	1,50	1,50	1,66	2,12	2,18	
	1,00	0,96	1,07	1,36	1,50	1,50	1,66	2,12	2,18	
	1,13	0,96	1,07	1,36	1,50	1,50	1,66	2,12	-	
	1,25	0,96	1,07	1,36	1,50	1,50	1,66	2,12	-	
	1,50	0,96	1,07	1,36	1,50	1,50	1,66	2,12	-	
	1,75	0,96	1,07	1,36	1,50	1,50	1,66	-	6,66	
	2,00	0,96	1,07	1,36	1,50	1,50	-	-	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>COLD-ROLLED STEEL PROFILE, TRAPEZOIDAL METAL SHEET, WOOD</i>
SIZE OF HEX HEAD:	<i>3/8'</i>
MINIMUM THICKNESS OF STEEL BASE:	<i>2 x 0,63 mm</i>
MAXIMUM CAPACITY OF DRILLING:	<i>2 x 1,50 mm</i>
THICKNESS OF ZINC COATING:	<i>12 µm</i>
CORROSIVE ENVIRONMENT:	<i>C2</i>
OPINION ON ANTI-CORROSIVE PROTECTION:	<i>02248/16/Z00N2M</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>



ETA



DWU/DoP



SZU