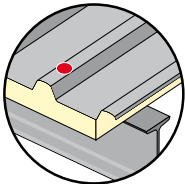
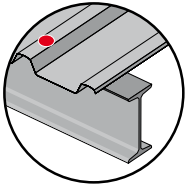


EJOT® self-tapping screw JZ3-6,3xL

The EJOT® self-tapping screws form their own thread in a pre-drilled hole. They are perfectly suited for fixing metal profile sheets or sandwich panels to metal substructures.



Application range:

- For fixing profiled steel sheet/ sandwich panels to steel substructure
- For fixing steel / aluminium profiled sheet to aluminium substructures

Characteristics:

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical data:

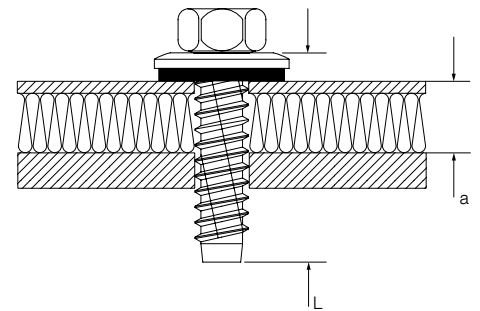
Approval Z-14.4-407
 Approval Z-14.1-537
 Approval ETA-10/0200
 Drive hexagon A/F 3/8"

Practical advice:

For self-tapping fasteners without drill point the cylindrical part of the screw has to be installed at least 6 mm deep into the load-bearing component. In practice 20 mm are added to the sum of the thickness of all components that are fastened onto the substructure. The result is the minimum screw length of a self-tapping screw under consideration of sealing washer and assembly unevenness.

Pre-drilling diameter:

2.0 – 4.9 mm 5.3 mm
 5.0 – 6.9 mm 5.5 mm
 > 7 mm 5.7 mm



Self-tapping screw

$L = a + 20 \text{ mm}$



Coarse thread with point (JA)



Fine pitch thread with dog point (JZ)

EJOT® SUPER-SAPHIR self-drilling screw JZ3-6,3xL

Minimum tensile strength of the screw

Ø mm	kN
6.3	13.0

Minimum shear strength of the screw

Ø mm	kN
6.3	10.0

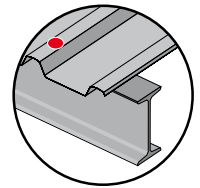
For further information and additional data please see the respective approvals at www.ejot.com

Component $t_{N,II}$ [mm]	1.25	1.50	2.00	3.00	4.00	6.00	>7.00
Pre-drilling diameter d_{pd} [mm]	5.00		5.30			5.50	5.70
Tightening torque $M_{t, nom}$	5 Nm						
Characteristic transverse tensile strength $V_{R,k}$ [kN] for component $t_{N,I}$ [mm]	0.50	-	-	-	-	-	-
	0.55	-	-	-	-	-	-
	0.63	2.50	2.70	2.90	3.00	3.10	3.10
	0.75	2.60	3.10	3.30	3.60	3.70	3.70
	0.88	2.80	3.20	3.80	4.10	4.30	4.40
	1.00	3.20	3.60	4.10	4.80	4.90	5.10
	1.13	3.40	4.00	4.60	5.40	5.60	5.80
	1.25	3.60	4.20	5.00	6.10	6.30	6.50
	1.50	3.70	4.40	5.70	6.80	7.10	7.30
	1.75	3.70	4.70	6.20	7.60	7.70	8.10
	2.00	5.00	6.50	8.80	10.30	10.60	11.30
	2.00	2.00	2.70	3.60	6.00	7.30	7.60
Characteristic pull-out strength $N_{R,k}$ [kN] for component $t_{N,I}$ [mm]	0.50	0.97	1.35	1.51	1.51	1.51	1.51
	0.55	1.23	1.71	1.91	1.91	1.91	1.91
	0.63	1.80	2.50	2.80	2.80	2.80	2.80
	0.75	2.00	2.60	3.10	3.60	3.60	3.60
	0.88	2.00	2.70	3.30	3.80	3.80	3.80
	1.00	2.00	2.70	3.40	4.00	4.00	4.00
	1.13	2.00	2.70	3.60	4.40	4.40	4.40
	1.25	2.00	2.70	3.60	4.80	4.90	4.90
	1.50	2.00	2.70	3.60	5.60	5.90	5.90
	1.75	2.00	2.70	3.60	5.80	6.90	7.10
	2.00	2.00	2.70	3.60	6.00	7.30	7.60

ETA-10/0200, appendix 44

Component I:
S280GD, S320GD or S350GD - EN 10346

Component II:
S235, S275 or S355 - EN 10025-1
S280GD, S320GD or S350GD - EN 10346



Component $t_{N,II}$ [mm]		1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	>10.0
Characteristic transverse tensile strength $V_{R,k}$ [kN] for component $t_{N,I}$ [mm]	0.40	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
	0.50	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
	0.55	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	0.63	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	0.75	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	0.88	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	1.00	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	1.13	1.80	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Characteristic pull-out strength $N_{R,k}$ [kN] for component $t_{N,I}$ [mm]	0.40	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	0.50	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	0.55	2.00	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
	0.63	2.00	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
	0.75	2.00	2.90	3.60	3.60	3.60	3.60	3.60	3.60	3.60
	0.88	2.00	2.90	3.80	3.80	3.80	3.80	3.80	3.80	3.80
	1.00	2.00	2.90	3.90	4.00	4.00	4.00	4.00	4.00	4.00
	1.13	2.00	2.90	3.90	4.00	4.00	4.00	4.00	4.00	4.00
max. head deflection and as a function of D [mm]	30	20.00	7.00	7.00	7.00	3.00	3.00	3.00	3.00	3.00
	40	26.50	10.00	10.00	10.00	4.50	4.50	4.50	4.50	4.50
	50	33.50	12.50	12.50	12.50	5.50	5.50	5.50	5.50	5.50
	60	40.00	15.50	15.50	15.50	7.00	7.00	7.00	7.00	7.00
	70	40.00	18.50	18.50	18.50	9.50	9.50	9.50	9.50	9.50
	80	40.00	21.50	21.50	21.50	12.50	12.50	12.50	12.50	12.50
	100	40.00	27.00	27.00	27.00	18.00	18.00	18.00	18.00	18.00
	120	40.00	32.50	32.50	32.50	23.50	23.50	23.50	23.50	23.50
>140	40.00	38.50	38.50	38.50	29.00	29.00	29.00	29.00	29.00	

Z-14.4-407, appendix 3.3a

Component I:
S280GD - EN 10346

Component II:
S235 - EN 10025-1
S280GD, S320GD - EN 10346

