



# **EJOT® SUPER-SAPHIR**

## **self-drilling screw JT3-D-12H-5.5/6.3**

Fastening sandwich panels to 3–10 mm steel substructure

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**EJOT®**

# Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



## EJOT® SUPER-SAPHIR self-drilling screw JT3-D-12H-5.5/6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
<b>Sealing washer E16, Ø 16 mm</b>						
75	36 - 40	36 - 48	250		JT3-D-12H-5.5/6.3x75-E16	3 557 511 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E16	3 554 911 311
115	58 - 80	56 - 88	200		JT3-D-12H-5.5/6.3x115-E16	3 555 211 311
135	72 - 100	68 - 108	150		JT3-D-12H-5.5/6.3x135-E16	3 555 411 311
155	92 - 120	88 - 128	150		JT3-D-12H-5.5/6.3x155-E16	3 555 711 311
175	110 - 140	108 - 148	150		JT3-D-12H-5.5/6.3x175-E16	3 556 511 312
195	130 - 160	128 - 168	150		JT3-D-12H-5.5/6.3x195-E16	3 559 511 312
245	170 - 210	167 - 218	100		JT3-D-12H-5.5/6.3x245-E16	3 559 811 312
275	200 - 240	197 - 248	100		JT3-D-12H-5.5/6.3x275-E16	3 557 311 312
300	225 - 265	222 - 273	100		JT3-D-12H-5.5/6.3x300-E16	3 557 411 312
<b>Sealing washer E19, Ø 19 mm</b>						
75	36 - 40	36 - 48	200		JT3-D-12H-5.5/6.3x75-E19	3 557 566 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E19	3 554 966 311
115	58 - 80	56 - 88	150		JT3-D-12H-5.5/6.3x115-E19	3 555 266 311
135	72 - 100	68 - 108	150		JT3-D-12H-5.5/6.3x135-E19	3 555 466 311
155	92 - 120	88 - 128	100		JT3-D-12H-5.5/6.3x155-E19	3 555 766 311
175	110 - 140	108 - 148	100		JT3-D-12H-5.5/6.3x175-E19	3 556 566 312
195	130 - 160	128 - 168	100		JT3-D-12H-5.5/6.3x195-E19	3 559 566 312
245	170 - 210	167 - 218	100		JT3-D-12H-5.5/6.3x245-E19	3 559 866 312
275	200 - 240	197 - 248	100		JT3-D-12H-5.5/6.3x275-E19	3 557 366 312
300	225 - 265	222 - 273	100		JT3-D-12H-5.5/6.3x300-E19	3 557 466 312
<b>Sealing washer E22, Ø 22 mm</b>						
75	36 - 40	36 - 48	200		JT3-D-12H-5.5/6.3x75-E22	3 557 513 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E22	3 554 913 311
115	58 - 80	56 - 88	150		JT3-D-12H-5.5/6.3x115-E22	3 555 213 311
135	72 - 100	68 - 108	100		JT3-D-12H-5.5/6.3x135-E22	3 555 413 311
155	92 - 120	88 - 128	100		JT3-D-12H-5.5/6.3x155-E22	3 555 713 311
175	110 - 140	108 - 148	100		JT3-D-12H-5.5/6.3x175-E22	3 556 513 312
195	130 - 160	128 - 168	100		JT3-D-12H-5.5/6.3x195-E22	3 559 513 312
245	170 - 210	167 - 218	50		JT3-D-12H-5.5/6.3x245-E22	3 559 813 312
275	200 - 240	197 - 248	50		JT3-D-12H-5.5/6.3x275-E22	3 557 313 312
300	225 - 265	222 - 273	50		JT3-D-12H-5.5/6.3x300-E22	3 557 413 312

Order information: Further lengths upon request.



### Cross reference

- Accessories
- Self-drilling screw JT3-12-5.5
- Self-tapping screw JZ3-6.3
- Self-tapping screw JZ7-6.3
- Metal screwdriver SCS 6.3

### Note

See relevant annexes of European technical approvals at the following pages.

Please download complete European technical approvals at our website:

[www.bau.ejot.com](http://www.bau.ejot.com)

### Application area

- Fastening sandwich panels to 3–10 mm steel substructure

### Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

### Technical Data

Drive	Hexagon AF8
Ø screw	5.5 mm
Ø high thread	6.3 mm

[WWW.AUSSCHREIBEN.DE](http://WWW.AUSSCHREIBEN.DE)

Minimum tensile strength		Minimum shear strength	
Ø mm	kN	Ø mm	kN
5.5	11.5	5.5	7.5

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A2 stainless steel with hardened steel point / steel drill point



Page 14 of European technical approval  
ETA-13/0177 of 26 April 2013

English translation prepared by DIBt

Deutsches  
Institut  
für  
Bautechnik



**Materials:**

Fastener: stainless steel (1.4301) – EN 10088  
stainless steel (1.4401) – EN 10088

Washer: stainless steel (1.4301) – EN 10088

Component I: S280GD – EN 10346

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

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Drilling capacity:  $\Sigma(t_{N2} + t_{II}) \leq 13,0$  mm

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**Timber supporting structures:**

No performance determined

$t_{N1}, t_{N2}, d, D$ [mm]	$t_{II}$ [mm]								—	—
	3,00	4,00	5,00	6,00	8,00	10,0	12,0	—		
$V_{R,k}$ [kN]	0,40	0,90	0,90	0,90	0,90	0,90	0,90	0,90	—	—
	0,50	0,90	0,90	0,90	0,90	0,90	0,90	0,90	—	—
	0,55	0,90	0,90	0,90	0,90	0,90	0,90	0,90	—	—
	0,63	1,10	1,10	1,10	1,10	1,10	1,10	1,10	—	—
	0,75	1,60	1,60	1,60	1,60	1,60	1,60	1,60	—	—
	0,88	2,20	2,20	2,20	2,20	2,20	2,20	2,20	—	—
	1,00	2,90	2,90	2,90	2,90	2,90	2,90	2,90	—	—
$N_{R,k}$ [kN]	0,40	1,54	1,54	1,54	1,54	1,54	1,54	1,54	—	—
	0,50	1,60	1,60	1,60	1,60	1,60	1,60	1,60	—	—
	0,55	1,90	1,90	1,90	1,90	1,90	1,90	1,90	—	—
	0,63	2,20	2,20	2,20	2,20	2,20	2,20	2,20	—	—
	0,75	2,80	2,80	2,80	2,80	2,80	2,80	2,80	—	—
	0,88	3,00	3,50	3,50	3,50	3,50	3,50	3,50	—	—
	1,00	3,00	4,20	4,20	4,20	4,20	4,20	4,20	—	—
max u [mm]	40	14,0	7,0	6,0	5,0	5,0	5,0	5,0	—	—
	50	16,0	8,5	7,5	6,5	6,5	6,5	6,5	—	—
	60	18,5	10,0	9,0	8,0	8,0	8,0	8,0	—	—
	70	20,0	12,5	11,0	10,0	10,0	10,0	10,0	—	—
	80	22,0	15,0	13,5	12,0	12,0	12,0	12,0	—	—
	100	26,0	19,0	18,0	15,0	15,0	15,0	15,0	—	—
	120	29,0	22,5	20,0	18,0	18,0	18,0	18,0	—	—
	140	33,0	26,0	23,5	21,0	21,0	21,0	21,0	—	—
≥ 160	33,0	26,0	23,5	21,0	21,0	21,0	21,0	—	—	
$M_{t,nom}$ [Nm]										

Self drilling screw		Annex 4
EJOT® JT3-D-12H-5,5/6,3 x L	EJOT® JT6-D-12H-5,5/6,3 x L	
EJOT® JT3-D-FR-12H-5,5/6,3 x L	EJOT® JT6-D-FR-12H-5,5/6,3 x L	
with sealing washer $\geq \varnothing 16$ mm		