

EJOT CORREMAKS® **self-tapping screw JA1-6.5**

Side lap stitching of profiled steel sheet
in highly corrosive environments

Self-tapping screws JA1 / JZ1

A5 stainless steel



EJOT CORREMAKS® self-tapping screw JA1-6.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.5	22	-	500		JA1-6.5x22-E16	3 113 211 319
6.5	38	-	500		JA1-6.5x38-E16	3 113 411 319
6.5	64	-	250		JA1-6.5x64-E16	3 113 811 319
6.5	115	37 - 65	150		JA1-6.5x115-E16	3 114 311 319
6.5	145	70 - 95	150		JA1-6.5x145-E16	3 114 611 319

Application Range

- Side lap stitching of profiled steel sheet in highly corrosive environments
- Fastening profiled steel sheet to timber substructures in highly corrosive environments

Properties

- A5 stainless steel – 1.4529
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Highest corrosion protection class

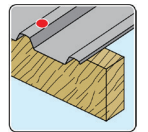
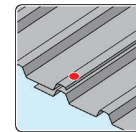
Technical Data

Drive	Hexagon AF 3/8"
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Minimum tensile strength	
Ø mm	kN
6.5	13.0

Minimum shear strength	
Ø mm	kN
6.5	10.0



Approval

ETA-10/0200

Cross reference

Accessories
Metal screwdriver SCS 6.3
Drill hole chart

Note

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

Please download complete European technical approvals at our website:

www.ejot.es

Materials
 Fastener: stainless steel (1.4529) - EN 10088
 Washer: stainless steel (1.4301) - EN 10088
 Component I: S280GD, S320GD or S350GD - EN 10346
 Component II: S235 - EN 10025-1
 S280GD, S320GD or S350GD - EN 10346

Predrill diameter see table below

Timber substructures
 performance determined with
 $M_{y,RK} = 9,742 \text{ Nm}$
 $f_{ax,k} = 8,575 \text{ N/mm}^2$ for $l_{ef} \geq 26,0 \text{ mm}$

$t_{N,II}$ [mm]	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00										
d_{pd} [mm]	$\varnothing 3,5$	$\varnothing 4,0$	$\varnothing 4,5$				$\varnothing 5,0$		$\varnothing 5,3$									
$M_{t,nom}$	3 Nm					5 Nm												
$V_{R,k}$ [kN] for $t_{N,II}$ [mm]	0,50	—	—	—	—	—	—	—	—	—								
	0,55	—	—	—	—	—	—	—	—	—								
	0,63	1,30	—	1,50	—	1,80	—	2,00	ac	2,30	ac	2,50	ac	2,90	ac	2,90	ac	2,90
	0,75	1,40	—	1,60	—	1,90	—	2,20	ac	2,50	ac	2,70	ac	3,10	ac	3,10	ac	3,10
	0,88	1,50	—	1,70	—	2,00	—	2,30	—	2,60	—	2,80	ac	3,20	ac	3,20	ac	3,20
	1,00	1,50	—	1,80	—	2,10	—	2,50	—	2,80	—	3,10	—	3,60	—	3,60	—	3,60
	1,13	1,60	—	1,80	—	2,20	—	2,60	—	2,90	—	3,20	—	3,80	—	3,80	—	3,80
	1,25	1,60	—	1,90	—	2,30	—	2,70	—	3,00	—	3,30	—	4,00	—	4,00	—	4,00
	1,50	1,60	—	1,90	—	2,40	—	2,80	—	3,20	—	3,50	—	4,00	—	4,00	—	4,00
	1,75	1,60	—	1,90	—	2,40	—	2,80	—	3,20	—	3,50	—	4,00	—	4,00	—	4,00
	2,00	1,60	—	1,90	—	2,40	—	2,80	—	3,20	—	3,50	—	4,00	—	4,00	—	4,00
$N_{R,k}$ [kN] for $t_{N,II}$ [mm]	0,50	0,49	—	0,59	—	0,70	—	0,76	ac	0,86	ac	0,97	ac	1,13	ac	1,13	ac	1,19
	0,55	0,61	—	0,75	—	0,89	—	0,95	ac	1,09	ac	1,23	ac	1,43	ac	1,43	ac	1,50
	0,63	0,90	—	1,10	—	1,30	—	1,40	ac	1,60	ac	1,80	ac	2,10	ac	2,10	ac	2,20
	0,75	0,90	—	1,10	—	1,30	—	1,40	ac	1,60	ac	1,80	ac	2,10	ac	2,10	ac	2,80
	0,88	0,90	—	1,10	—	1,30	—	1,40	—	1,60	—	1,80	ac	2,10	ac	2,10	ac	3,50
	1,00	0,90	—	1,10	—	1,30	—	1,40	—	1,60	—	1,80	—	2,20	—	2,20	—	4,20
	1,13	1,00	—	1,20	—	1,40	—	1,50	—	1,70	—	1,90	—	2,30	—	2,30	—	5,00
	1,25	1,00	—	1,20	—	1,40	—	1,50	—	1,70	—	1,90	—	2,30	—	2,30	—	5,90
	1,50	1,00	—	1,20	—	1,40	—	1,50	—	1,70	—	1,90	—	2,30	—	2,30	—	5,90
	1,75	1,00	—	1,20	—	1,40	—	1,50	—	1,70	—	1,90	—	2,30	—	2,30	—	5,90
	2,00	1,00	—	1,20	—	1,40	—	1,50	—	1,70	—	1,90	—	2,30	—	2,30	—	5,90

The values listed above in dependence on the screw-in length l_{ef} are valid for $k_{mod} = 0,90$ and timber strength grade C24 ($\rho_a = 350 \text{ kg/m}^3$). For other combinations of k_{mod} and timber strength grades see section 4.2.2.

Self tapping screw	Annex 70
JA1-6,5 x L with hexagon head and sealing washer $\geq \varnothing 16 \text{ mm}$	

Materials
 Fastener: stainless steel (1.4529) - EN 10088
 Washer: stainless steel (1.4304) - EN 10088
 Component I: S280GD, S320GD or S350GD – EN 10346
 Component II: structural timber – EN 14081

Predrill diameter see table below

Timber substructures
 performance determined with
 $M_{y,Rk} = 9,742 \text{ Nm}$
 $f_{ax,k} = 8,575 \text{ N/mm}^2$ for $l_{ef} \geq 26 \text{ mm}$

$l_g =$	26	31	36	41	46	51	56	61	66	71	76			
$d_{pd} [\text{mm}]$	$\varnothing 4,5 \text{ mm}$													
$M_{t,nom} =$	—													
V_{Rk} for $t_{N,I} =$	0,50	—	—	—	—	—	—	—	—	—	—	—	bearing resistance of component I	
	0,55	—	—	—	—	—	—	—	—	—	—	—		
	0,63	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		2,90
	0,75	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		3,10
	0,88	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		3,20
	1,00	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		3,60
	1,13	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		3,80
	1,25	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		4,00
	1,50	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		4,00
	1,75	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67		4,00
2,00	2,04	2,10	2,17	2,23	2,29	2,35	2,42	2,48	2,54	2,60	2,67	4,00		
N_{Rk} for $t_{N,I} =$	0,50	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	pull-trough resistance of component I	
	0,55	1,30	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50		
	0,63	1,30	1,56	1,81	2,06	2,20	2,20	2,20	2,20	2,20	2,20	2,20		2,20
	0,75	1,30	1,56	1,81	2,06	2,31	2,56	2,80	2,80	2,80	2,80	2,80		2,80
	0,88	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		3,50
	1,00	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		4,20
	1,13	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		5,00
	1,25	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		5,90
	1,50	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		5,90
	1,75	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81		5,90
2,00	1,30	1,56	1,81	2,06	2,31	2,56	2,81	3,06	3,31	3,56	3,81	5,90		

The values listed above in dependence on the screw-in length l_g are valid for $k_{mod} = 0,90$ and timber strength grade C24 ($\rho_k = 350 \text{ kg/m}^3$). For other values of k_{mod} and timber strength grades see section 4.2.2.

Self tapping screw	Annex 71
JA1-6,5 x L with hexagon head and sealing washer $\geq \varnothing 16 \text{ mm}$	