

Connectors 88109.0000



Technical data

Dimensions W x H x D (mm)	40 x 90 x 12
Number of screws	14
Usable screw size	Ø4,5 x 50 - 80 mm
Minimum timber dimensions with screws Ø4,5x50 mm on the secondary beam	50** x 100 mm
Minimum timber dimensions with screws Ø4,5x50mm on the main beam	60 x 100 mm
Characteristic load-bearing capacity* in the insertion direction with screws Ø4,5x50 mm	9,57 kN
Characteristic load-bearing capacity* in the insertion direction with screws Ø4,5x80 mm	15,28 kN
VPE	10

Optimal distances to the edges and variable screws length ensure accuracy of fit for each timber section.

* Further static values can be found in our statics book or the ETA 15/0187.

** Steel failure decisive Values in brackets for service class 3* Further static values can be found in our structural analysis book or the ETA 15/0187.

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Static values

Effektive Gewindelänge (l_{ef})		Mindestquerschnitt (mm)				Charakteristische Tragfähigkeit R_k (kN)									
						Vollholz C24 ($\rho_k = 350 \text{ kg/m}^3$)					Brettschichtholz GL24h ($\rho_k = 385 \text{ kg/m}^3$)				
						NT		HT			NT		HT		
Schrauben	l_{ef} (mm)	Höhe	Breite	Höhe	Breite	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$
4,5x50 mm	44 mm	100	60	100	50	8,87	-	8,76	13,85	9,01	9,57	-	9,19	14,53	9,73
4,5x60 mm	54 mm	110	70	110	50	10,66	-	8,76	13,85	10,84	11,51	-	9,19	14,53	11,70
4,5x80 mm	74 mm	130	90	130	50	14,16	-	8,76	13,85	14,39	15,28	-	9,19	14,53	15,53

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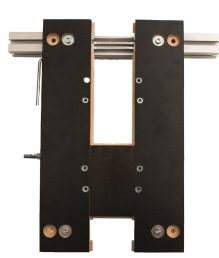
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Accessoires



50934.1000
Grooving cutter Ø 10 mm



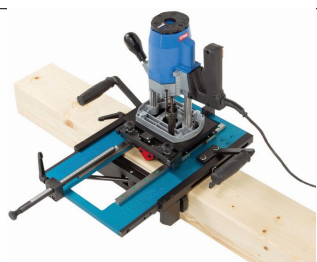
58000.0000
Milling and assembly
template for connectors
88004 - 88322



58396.0000
Collet holder



58396.0008
Collet Ø 8 mm



58399.0000
Milling unit composed of
Milling bit, milling template
and hand overhead...



99111.4550
Countersunk screw V2A
4,5 x 50 mm



99111.4560
Countersunk screw V2A
4,5 x 60 mm

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