Beam Clip SPA 5P HCP

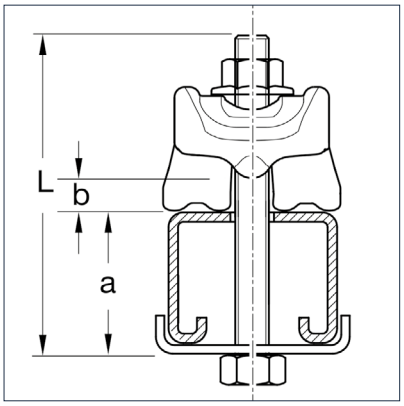
Gruppe: 1831

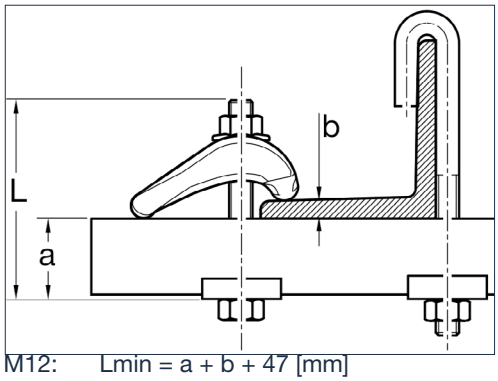
Installation

Position the Beam Clip with the slit side on the component, the lug has to be positioned on the steel girder. Then insert the appropriate hexagon bolt und tighten it with washer and nut.

Determination of the required screw length Lmin:

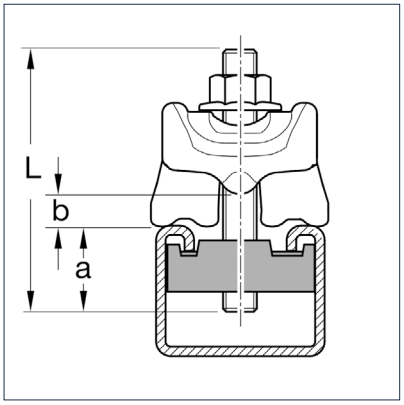
Arrangement A Hexagon bolt with Holding Bracket





M12: Lmin = a + b + 47 [mm]
M16: Lmin = a + b + 57 [mm]

Arrangement B Inserted T-Head Bolt HZ



M12: Lmin = b + 53 [mm]
M16: Lmin = b + 63 [mm]

Technical Data

Type	Clamping range [mm]	B [mm]	L [mm]	D [mm]
M12	1 - 30	44	60	13
M16	4 - 40	48	72	44

Type	Tightening torque MA [Nm]	Fz permitted per Beam clip [kN] 1)	Shear force load capacity Fx per 2 Beam Clips [kN] 2)
M12	85	13.8	3.2
M16	150	16.7	3.6

1) The specified data relate to the application of a standard hexagon bolt with strength class 8.8.

2) The specified data relate to the worst case with flange thicknesses 30 mm (M12) or 40 mm (M16) as well as a coefficient of static friction $\mu_{adhesion}$ = 0.20. A possibly operating tensile force F_z isn't included.