

### Beam Clip SPA 5P AU HCP

Group: 1831

#### Application

Universal clamping element for all load bearing end plate and channel connections to existing steelwork without welding or drilling.

#### Scope of delivery

Beam Clip 5P with support plate AU

#### Installation

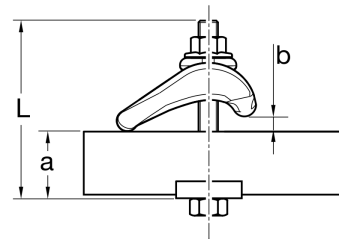
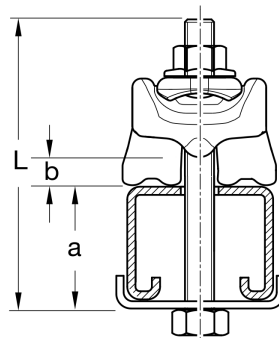
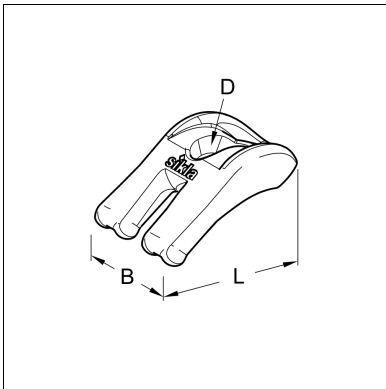
Position the Beam Clip so that the slit side of the clip is in contact with the connecting part and the head of the clip against the existing (primary) steelwork to which the assembly is being fastened. Insert the hex bolt and tighten hex nut to the required installation torque.

The rounded support segment of the Beam Clip ensures that a form-fit contact is produced which prevents shifting or bending stress. Therefore a continuous Beam Clip preload force is ensured.

Determination of the required screw length  $L_{min}$ :

#### Arrangement A

Hexagon bolt with Holding Bracket

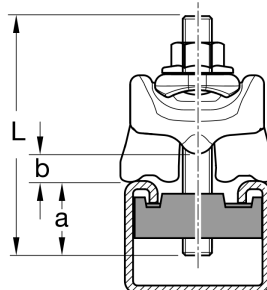
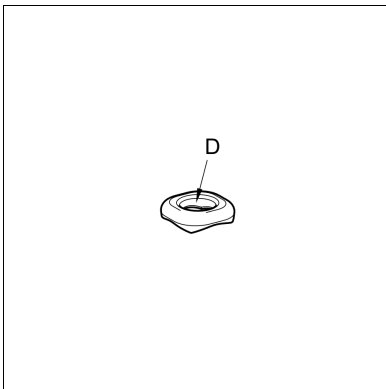


$$M12: L_{min} = a + b + 49 \text{ [mm]}$$

$$M16: L_{min} = a + b + 59 \text{ [mm]}$$

#### Arrangement B

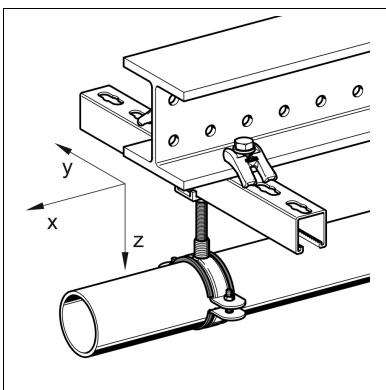
Inserted T-Head Bolt HZ



$$M12: L_{min} = b + 55 \text{ [mm]}$$

$$M16: L_{min} = b + 65 \text{ [mm]}$$

#### Technical Data



Type	Clamping range [mm]	B [mm]	L [mm]	D [mm]
M12 AU	1 - 30	44	60	13
M16 AU	4 - 40	48	72	17

Type	Tightening torque $M_A$ [Nm] / plus 90° revolution	$F_z$ permitted per Beam Clip [kN] <sup>1)</sup>	Shear force load capacity $F_x$ per 2 Beam Clips [kN] <sup>2)</sup>
M12 AU	60 / 90°	16.2	3.7
M16 AU	140 / 90°	19.5	4.2

- <sup>1)</sup> The specified data relate to the application of a standard hexagon bolt with strength class 8.8.
- <sup>2)</sup> 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  $\mu_R = 0.20$ . A possibly operating tensile force  $F_z$  isn't included.

Material: Steel, HCP

### Approvals / Conformity



Type	W [kg]	Quantity [pack]	Part number
M12 AU	0.17	20	<b>115034</b>
M16 AU	0.30	20	<b>115035</b>