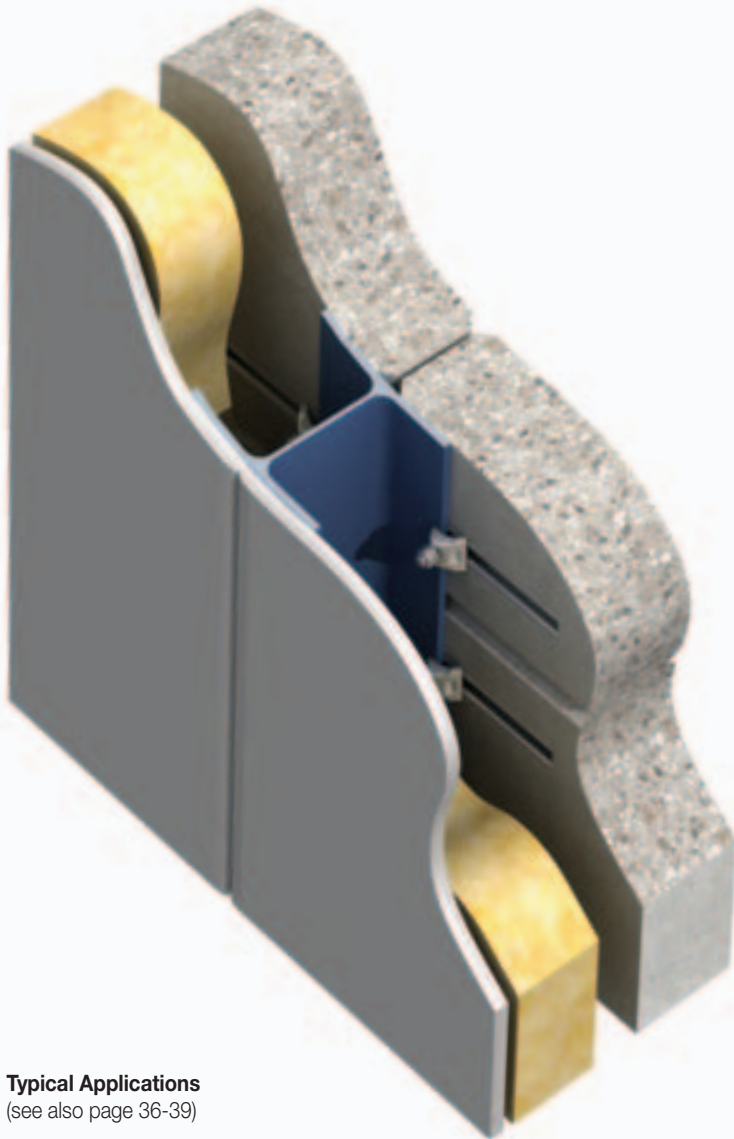


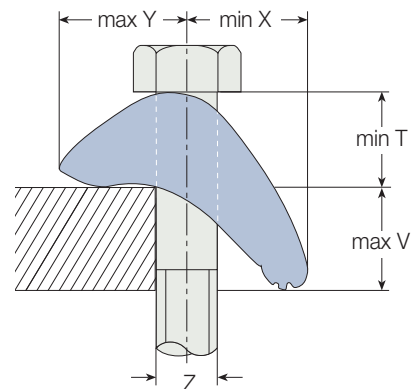
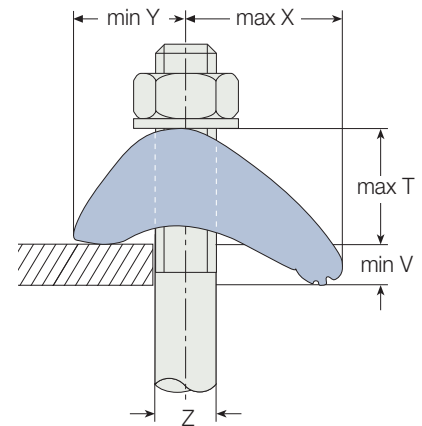
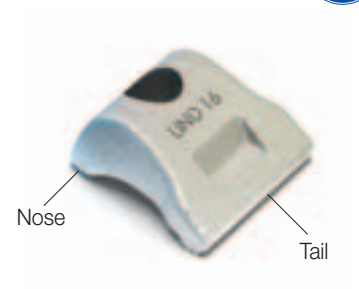
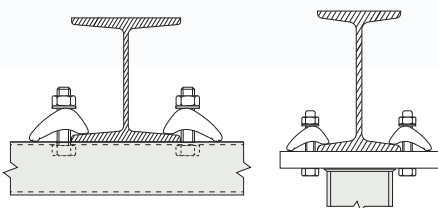
### Type LS

Cast Stainless Steel equivalent to Grade 316



#### Typical Applications

(see also page 36-39)



Self adjusting clamp for various flange thicknesses and slopes up to 10°. The special serrations on the tail prevent the clamp rotating during installation. The LS tail spans over slotted holes.

Product Code	Bolt A4-70 Z	Safe Working Load		Torque Nm	Clamping Range		Dimensions		
		(5:1) Tensile / 1 Bolt kN	Factor of Safety (2:1) Frictional / 2 Bolts kN		V mm	Y mm	X mm	T mm	Width mm
LS10	M10	3.0	1.5	40	3 - 15	17 - 19	18 - 24	16 - 21	38
LS12	M12	7.0	2.0	80	3 - 20	16 - 22	18 - 29	17 - 23	40
LS16	M16	10.0	3.0	200	3 - 25	22 - 25	27 - 37	20 - 28	55
LS20	M20	18.0	5.0	400	3 - 30	24 - 31	25 - 42	23 - 32	60

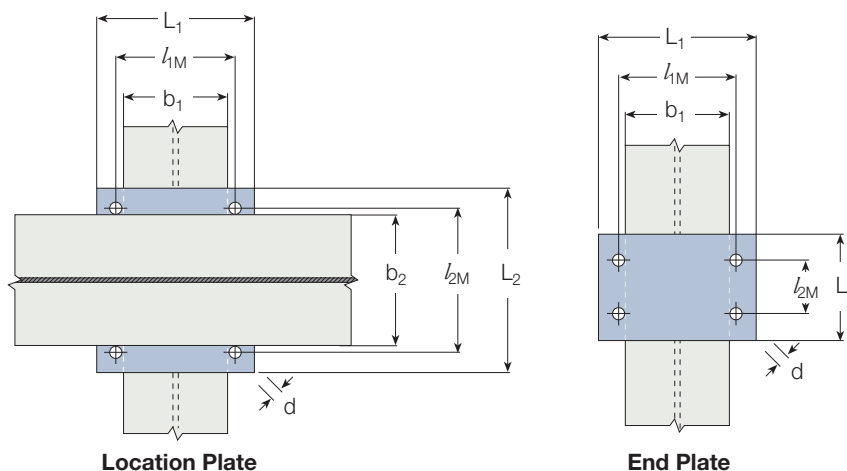
Order example: LS10

### Accessories

Packings are available upon request.

### Location and End Plates

- $L_1$  = Plate length
- $L_2$  = Plate width
- $l_{1M}, l_{2M}$  = Hole centres
- $b_1, b_2$  = Flange width
- $d$  = Hole  $\varnothing$
- $s$  = Plate thickness



### Plate Dimensions

Material: Mild Steel Grade S275 JR or S355 JR

Bolt Z	Hole $\varnothing$ d mm	Location Plate				End Plate <sup>1)</sup>					
		Plate Thickness		Hole Centres $l_{1M}, l_{2M}$ mm	Length/Width min $L_1$ , min $L_2$ mm	Plate Thickness		Hole Centre $l_{1M}$ mm	Length min $L_1$ mm	Hole Centre min $l_{2M}$ mm	Width min $L_2$ mm
S275 s mm	S355 s mm	S275 s mm	S355 s mm								
M10	11	8	8	$b + 11$	$b + 70$	12	12	$b + 11$	$b + 70$	80	$l_{2M} + 60$
M12	13	12	10	$b + 13$	$b + 80$	20	15	$b + 13$	$b + 80$	80	$l_{2M} + 60$
M16	18	15	12	$b + 18$	$b + 100$	25	20	$b + 18$	$b + 100$	110	$l_{2M} + 80$
M20	22	20	15	$b + 22$	$b + 130$	30	25	$b + 22$	$b + 130$	120	$l_{2M} + 90$

1) Dependant on the use of the end plate the thickness might need to be increased.

■ Calculation of bolt length see page 11