Type LS

Providing excellent corrosion resistance, Lindapter's stainless steel clamp self-adjusts to suit a range of flange thicknesses.



- Packings are available to increase the clamping range, see page 23.
- Location plate / end plate details can also be found on page 23.

Material: Cast stainless steel grade 316.



		Safe Work	ing Loads		Dimensions					
Product Code	Bolt A4-70 Z	Tensile / 1 Bolt (FOS 5:1)	Slip ¹⁾ / 2 Bolts (FOS 2:1)	Tightening Torque*	Clamping Range V	Υ	х	т	Width	
		kN	kN	Nm	mm	mm	mm	mm	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	

For Characteristic Resistances when designing a connection to Eurocode 3, please refer to DoP No.008 on the website www.Lindapter.com









¹⁾ Slip resistant values calculated against movement exceeding 0.1mm.

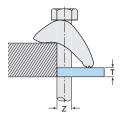
^{*} Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 70.

Packing Pieces and Plate Details for Type LS

Stainless steel packing pieces are available to increase the clamping range of the Type LS, please select the correct packing combination from the table below. This page also contains information for designing location / end plates.

Type LSP2





Material: Stainless steel grade 316.

Product Code	Bolt Size Z	Dimension T (mm)
LS10P2	M10	10
LS12P2	M12	10
LS16P2	M16	10
LS20P2	M20	10

Packing Combinations for Type LS

Choose the correct combination for your configuration using the table below. Please note these calculations are for **parallel flanges and beams up to 10° slopes only**. For example, a size M20 Type LS on a 42mm flange requires 2 x Type LSP2.

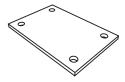
Combi	nations	Clamping Range						
LS	LSP2	M10 mm	M12 mm	M16 mm	M20 mm			
1	-	3 - 15	3 - 20	3 - 25	3 - 30			
1	1	13 - 25	13 - 30	13 - 35	13 - 40			
1	2	23 - 35	23 - 40	23 - 45	23 - 50			

For thicker flanges please contact Lindapter.

Location Plate

What is it?

Location plates are simple fabricated items designed to sit between the two sections to be clamped together to ensure the bolts are fixed at the correct centres.



Material: Stainless steel grade 304 / 316.

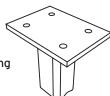
Bolt Size	Hole Ø	Plate Thick.	Hole Centres	Length	Hole Centres	Width
	d mm	mm	C1 mm	min L1 mm	C2 mm	min L2 mm
M10	11	10	B1 + 11	B1 + 70	B2 + 11	B2 + 70
M12	14	12	B1 + 14	B1 + 80	B2 + 14	B2 + 80
M16	18	15	B1 + 18	B1 + 100	B2 + 18	B2 + 100
M20	22	20	B1 + 22	B1 + 130	B2 + 22	B2 + 130

PLATE DIMENSIONS: L1 = Plate Length, L2 = Plate Width, B1, B2 = Flange Width, C1, C2 = Hole Centres, d = Hole Ø

End Plate ····

What is it?

End plates are simple fabricated items that are pre-welded to support frames, bracket or sections, allowing connection to the supporting structure with standard Lindapter clamps.



Material: Stainless steel grade 304 / 316.

	Bolt Size	Hole Ø	Plate Thick. ¹⁾	Hole Centres	Length	Hole Centres	Width
		d mm	mm	C1 mm	min L1 mm	min C2 mm	min L2 mm
Γ	M10	11	10	B + 11	B + 70	80	C2 + 60
	M12	14	15	B + 14	B + 80	80	C2 + 60
	M16	18	20	B + 18	B + 100	110	C2 + 80
	M20	22	25	B + 22	B + 130	120	C2 + 90

1) Depending on the type of connection and associated end plate use, the thickness may need to be modified to comply with accepted local design codes.

PLATE DIMENSIONS: L1 = Plate Length, L2 = Plate Width, B = Flange Width, C1, C2 = Hole Centres, d = Hole Ø L1 C1 C2 L2 D A C2 L2







