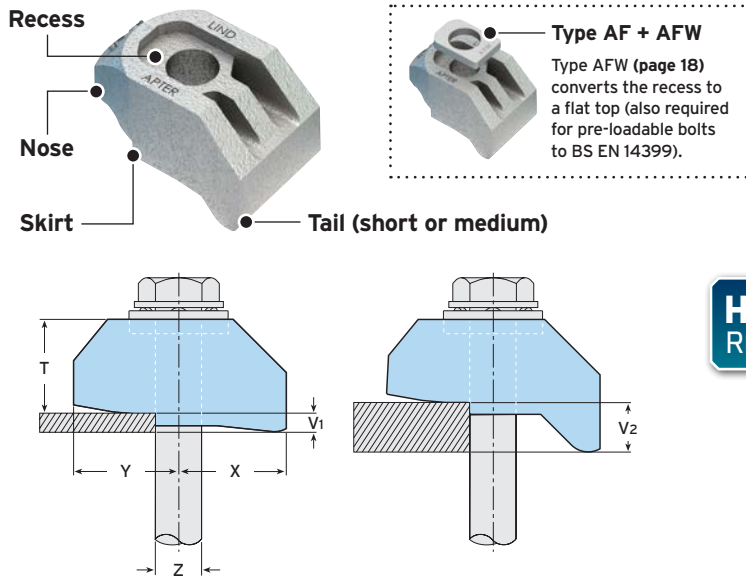
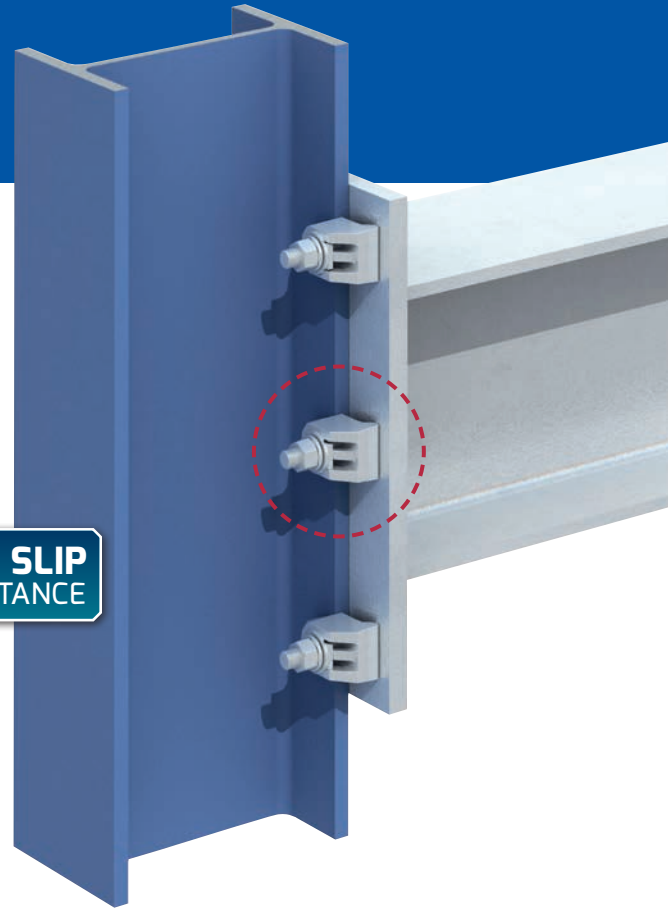


# Type AF

A heavy duty clamp offering the highest load capacities of all Lindapter's High Slip Resistance clamps. Hot dip galvanised corrosion protection.



**HIGH SLIP RESISTANCE**



- High slip resistance for tensile, frictional and combined load applications.
- 70kN static slip resistance or 250kN tensile (AF24 with 4 property class 10.9 fasteners).
- Independently tested for dynamic loading.
- Recess holds the bolt head captive (property class 8.8).
- For parallel and tapered flanges up to 10°.
- The tail spans slotted clearance holes.

- Packings are available to increase the clamping range, see page 18. Location plate / end plate details can be found on page 19.
- Lindapter recommends the use of DTI Washers conforming to EN14399-9 with the Type AF. For further information please refer to page 72.
- NEW Dynamic load testing has been performed in accordance with EN 1993-1-9. Please contact our Technical Support team for more information and design data.

Material: SG iron, hot dip galvanised.



Product Code	Bolt		Safe Working Loads			Tightening Torque*	Tail Length		Dimensions				Width
	Size Z	Property Class <sup>4)</sup>	Tensile / 1 Bolt (FOS 5:1)	Slip <sup>1)</sup> / 2 Bolts (FOS 2:1)			short V1	medium V2	Y	X	T	T	
				Painted Steelwork <sup>2)</sup>	Galvanised Steelwork								
AF12	M12	8.8	8.5	3.4	3.9	90	5	12.5	27	27	17	22	39
AF16	M16	8.8	16.0	8.0	10.0	240	8	15	35	37	22	27	49
AF20	M20	8.8	26.3	13.0	16.0	470	10	18	40	39	25	31	56
AF24	M24	8.8	40.0	24.0	30.0	800	15	30	48	60	32	42	82
AF12	M12	10.9	10.0	4.0	5.2	130	5	12.5	27	27	17	22	39
AF16	M16	10.9	19.5	11.0	12.0	300	8	15	35	37	22	27	49
AF20	M20	10.9	30.0	20.0	25.0	647	10	18	40	39	25	31	56
AF24	M24	10.9	62.5 <sup>3)</sup>	28.0	35.0	1000	15	30	48	60	32	42	82

1) Slip resistant values calculated against movement exceeding 0.1mm.  
 2) Shot blast and painted steelwork.  
 3) 3.2:1 Factor of Safety.  
 4) For ease of installation when using 10.9 bolts Lindapter recommends using fastener assemblies to EN 14399-1.

\* Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 72.

For Characteristic Resistances when designing a connection to Eurocode 3, refer to DoP No.004 on Lindapter's website or request the DoP Brochure >>

