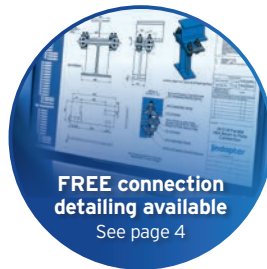
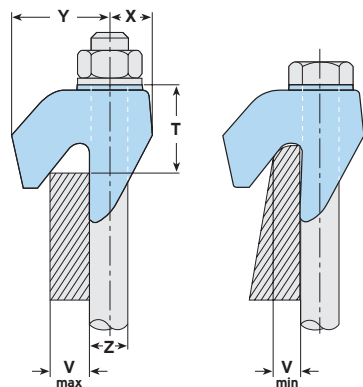
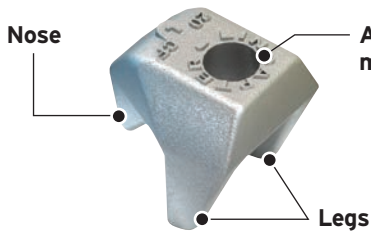


## Type CF

Hooks over the flanges of beams, angles and channels to connect steel sections that do not face, such as connecting horizontal beams with vertical columns.



Note: T will vary depending on the thickness of V. 'V' refers to the thickness of the section at the edge of the profile where the component is in contact with the flange. This dimension should be checked when connecting to tapered flanges or sections with a radius on the flange edge.

- New options available to suit larger steel sections with thicker flanges.
- Suitable for parallel and tapered flanges up to 10°.
- Can be combined with other Lindapter HSR clamps when used with property class 8.8 bolts; see table below for safe working loads.

Material: SG iron, hot dip galvanised.

	Product Code	Bolt 8.8 Z	Safe Working Loads			Tightening Torque*	Clamping Range V	Dimensions			
			Tensile / 1 Bolt (FOS 5:1)	Slip <sup>1)</sup> / 2 Bolts (FOS 2:1)				Y	X	T	Width
				kN	Painted Steelwork <sup>2)</sup> kN						
	CF12	M12	8.5	3.4	3.9	90	6 - 13	32	14	21 - 29	46
NEW	CF212	M12	8.5	3.4	3.9	90	12 - 20	39	16	28 - 37	48
	CF16	M16	16	8	10	240	8 - 16	44	18	25 - 33	56
NEW	CF216	M16	16	8	10	240	15 - 25	50	21	35 - 47	62
	CF20	M20	26.3	13	16	470	10 - 19	53	22	30 - 41	65
NEW	CF220	M20	26.3	13	16	470	18 - 30	64	27	41 - 55	70
CF combinations with other Lindapter clamps	CF + A <sup>3)</sup>	M12	5.8	0.9	0.9	69					
	CF + A <sup>3)</sup>	M16	8.5	1.7	1.7	147					
	CF + A <sup>3)</sup>	M20	14.7	3.0	3.0	285					
	CF + AF / AAF	M12	8.5	3.4	3.9	90					
	CF + AF / AAF	M16	16.0	8.0	10.0	240					
	CF + AF / AAF	M20	26.3	13.0	16.0	470					

- 1) Slip resistant values calculated against movement exceeding 0.1mm.  
 2) Shot blast and painted steelwork.  
 3) Also applies to Type B (page 11), Type LR (page 20), Type D2 (page 21) and Type BR (page 33).  
 \* Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 72.

- 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 CF. For further information please refer to page 72.



For Characteristic Resistances when designing a connection to Eurocode 3, refer to DoP No.011 on Lindapter's website or request the DoP Brochure >>

