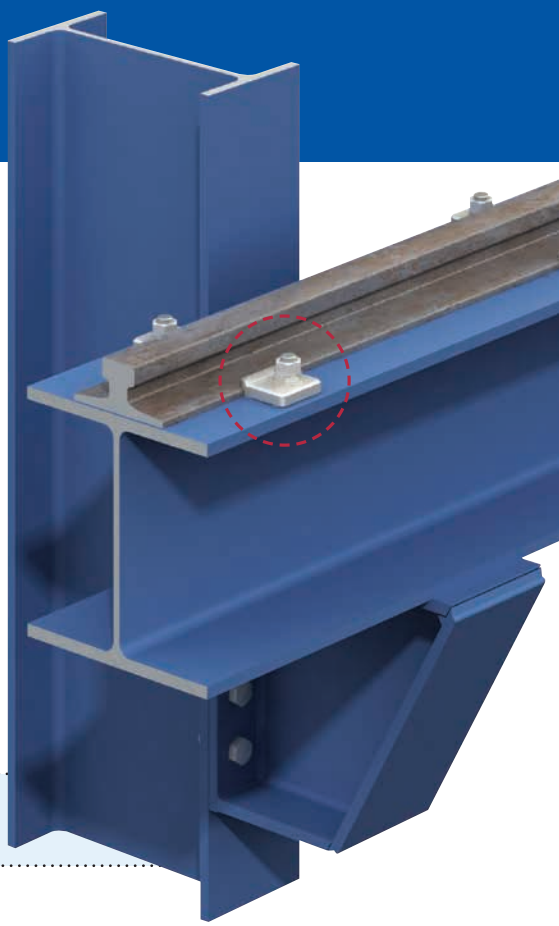
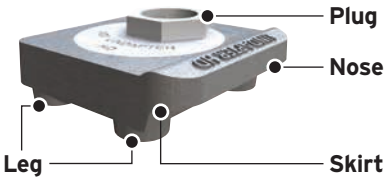
Type HD

This convenient fixing provides lateral adjustability for fast and precise rail alignment in low speed applications.



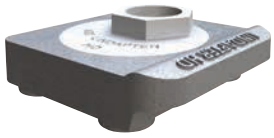
Type HD Soft



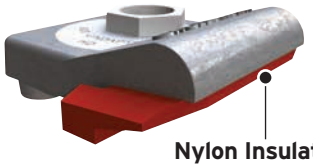
Type HD Spring



Type HD Hard



Type HD Isolated



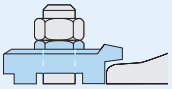
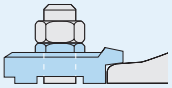
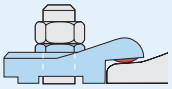
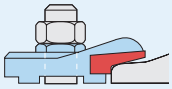
- Suitable for all rails with tapered flanges and crane speeds up to 60m/min.
- Safely and easily secures rail using only hand tools.

Contact Lindapter for wheel loads above 400kN or lateral loads higher than wheel loads.

Please contact Lindapter to ensure suitability of component for application.

Type HD Product Comparison

The table below shows the four options available. Each product has specific properties, e.g. a nylon insulator supplied with the Type HD Isolated will allow the product to be electrically isolated from the rails. Contact Lindapter for more information.

	Type HD Soft Allows rail wave Codes: HD20S / HD24S	**Type HD Hard** Clamps the rail down tightly Codes: HD20H / HD24H	**Type HD Spring** Includes an elastomer spring Codes: HD20SP / HD24SP	**Type HD Isolated** Supplied with nylon insulator Codes: HD20SPOR / HD24SPOR
				
Precise lateral adjustability	✔	✔	✔	✔
High strength SG Iron material	✔	✔	✔	✔
Various corrosion protection options	✔	✔	✔	✔
High resistance to lateral loads	✔	✔	✔	✔
Allows vertical rail / rail wave movement	✔	-	✔*	-
Electrically isolated from the rail	-	-	-	✔
Reduces track running noise	-	-	✔	-
Suitable for use with a resilient pad	✔	-	✔	✔

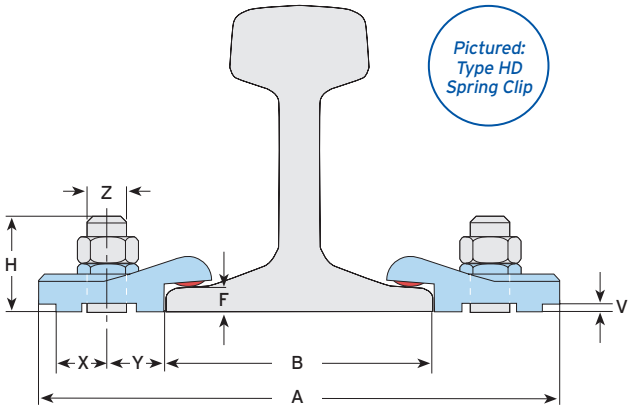
** The elastomer spring with a Shore A hardness of 90-97 provides some vertical restraint to the rail while still allowing it to lift with rail wave.*

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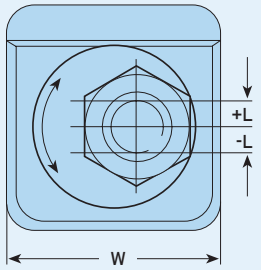
Type HD Technical Data

Type HD is suitable for all rails with tapered flanges and crane speeds up to 60 metres per minute. Please contact Lindapter for wheel loads above 400kN or lateral loads higher than wheel loads.



Lateral Adjustability

The rotatable plug allows lateral adjustment (L) towards and away from the rail. Before installing, ensure the hexagon on the plug is at the 3 o'clock position (as shown).



Material: SG iron, corrosion protection as requested.

Clip Type	Product Code	Bolt 8.8 Z	Normal Lateral Conditions SWL (FOS 4:1) kN	Normal Lateral Conditions Tight. Torque* Nm	High Lateral Conditions SWL (FOS 4:1) kN	High Lateral Conditions Tight. Torque* Nm	Leg Length[3] V mm	Stud Length[3] H mm	Dimensions Lateral Adjust. L mm	Dimensions Plate Width min. A mm	Distances[1] Y mm	Distances[1] X mm	Width W mm
Soft	HD20S	M20	22.5	185	46.0	450	F - 4	F + 40	+/- 11.5	B + 137	30	27	74
	HD24S	M24	40.0	320	60.0	760	F - 4	F + 43	+/- 8	B + 130	30	27	74
Hard	HD20H[2]	M20	22.5	185	46.0	450	F - 8	F + 38	+/- 11.5	B + 137	30	27	74
	HD24H[2]	M24	40.0	320	60.0	760	F - 8	F + 41	+/- 8	B + 130	30	27	74
Spring	HD20SP	M20	22.5	185	46.0	450	F - 7	F + 40	+/- 11.5	B + 137	30	27	74
	HD24SP	M24	40.0	320	60.0	760	F - 7	F + 43	+/- 8	B + 130	30	27	74
Isolated	HD20SPOR	M20	22.5	185	46.0	450	F - 6	F + 42	+/- 11.5	B + 147	35	27	74
	HD24SPOR	M24	40.0	320	60.0	760	F - 6	F + 45	+/- 8	B + 140	35	27	74

1) Based on plug set at 3 o'clock position.
2) Not suitable for use with a resilient pad.
3) Please specify the required leg length (V) when ordering. If you are using the resilient pad with Soft, Spring or Isolated types (resilient pads are not suitable with Hard), increase the leg length and stud length (H) by the thickness of the pad.
** Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 78.*

How to install...

1) Position the HD clip on the bolt or stud, ensuring the plug is at the 3 o'clock position, place a hexagon nut and loosely tighten.
2) Rotate the plug in a clockwise direction to locate the clip against the rail. Laterally adjust the rail if required.
3) Tighten the hexagon nut to the recommended torque.

Watch the installation video at www.Lindapter.com

