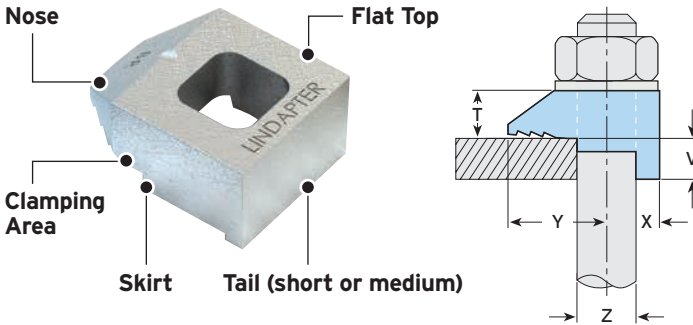


Type BR

A basic clamp for securing low speed rail or steel beams with either parallel or tapered flanges up to and including 8°. The tail is available in two lengths and spans slotted clearance holes.



Material: Malleable iron, zinc plated or hot dip galvanised.

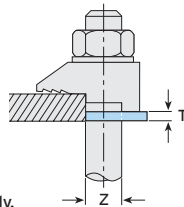
Product Code	Bolt 8.8 Z	Standard Loads (FOS 5:1)			Reduced Loads (FOS 5:1) (not suitable for slip conditions)		Dimensions					
		Tensile / 1 Bolt kN	Slip / 2 Bolts kN	Tightening Torque* Nm	Tensile / 1 Bolt kN	Tightening Torque* Nm	Y mm	X mm	Tail Length V		T mm	Width mm
BR12	M12	5.8	0.9	69	3.7	39	26	13	4	6	13	29
BR16	M16	8.5	1.7	147	5.2	93	30	16	6	8	16	35
BR20	M20	14.7	3.0	285	8.6	177	36	22	7	10	19	42

* Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 78.

- Contact Lindapter to ensure suitability of the component for application.
- Please ensure the anchor device is suitable for the torque value shown above.
- Location plate / end plate details can be found on page 15.

Packing Pieces

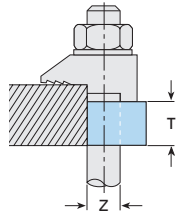
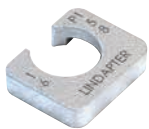
Type CW



Mild steel, zinc plated or hot dip galv.

Product Code	Bolt Size Z	Dimension T (mm)
CW12	M12	2.5
CW16	M16	3
CW20	M20	4

Type P1 short / Type P2 short



Mild steel, malleable iron, zinc plated or hot dip galv.

Product Code	Bolt Size Z	Dimension T (mm)
P1S12	M12	6
P1S16	M16	8
P1S20	M20	10
P2S12	M12	12
P2S16	M16	16
P2S20	M20	20

Packing Combinations (For rails up to and including 8° slope)

- For thicker flanges contact Lindapter.
- Other combinations than what is shown below may be possible. Contact our Technical Support team to discuss your requirements.

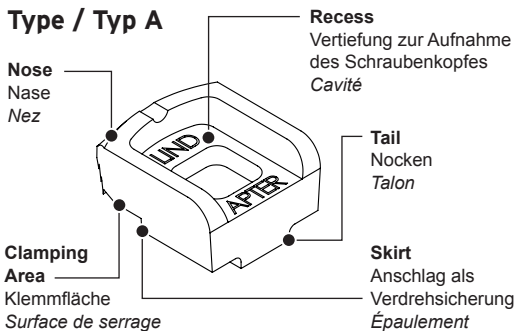
Flange Thickness mm	M12				M16				M20			
	BR	CW	P1S	P2S	BR	CW	P1S	P2S	BR	CW	P1S	P2S
5	S	-	-	-	X	-	-	-	X	-	-	-
6	M	-	-	-	S	-	-	-	X	-	-	-
7	S	1	-	-	S	-	-	-	S	-	-	-
8	M	1	-	-	M	-	-	-	S	-	-	-
9	S	2	-	-	S	1	-	-	S	-	-	-
10	S	2	-	-	S	1	-	-	M	-	-	-
11	M	2	-	-	M	1	-	-	S	1	-	-
12	M	-	1	-	S	2	-	-	S	1	-	-
13	S	1	1	-	S	2	-	-	S	1	-	-
14	M	1	1	-	S	-	1	-	M	1	-	-
15	S	2	1	-	S	-	1	-	S	2	-	-
16	S	2	1	-	M	-	1	-	S	2	-	-
17	M	2	1	-	S	1	1	-	S	-	1	-
18	M	2	1	-	S	1	1	-	M	2	-	-
19	S	1	-	1	M	1	1	-	S	3	-	-
20	M	1	-	1	S	2	1	-	M	-	1	-
21	M	1	-	1	S	2	1	-	M	-	1	-
22	S	-	1	1	S	-	-	1	M	3	-	-
23	M	2	-	1	M	-	-	1	M	3	-	-
24	M	-	1	1	M	-	-	1	M	1	1	-
25	S	1	1	1	S	1	-	1	S	2	1	-
26	M	1	1	1	S	1	-	1	S	2	1	-
27	S	2	1	1	M	1	-	1	S	-	-	1
28	S	-	-	2	S	2	-	1	M	2	1	-
29	S	-	-	2	S	2	-	1	M	2	1	-
30	M	-	-	2	M	2	-	1	M	-	-	1
31	S	1	-	2	M	2	-	1	S	1	-	1

S = BR short | M = BR medium | CW = Type CW | P1S = P1 short | P2S = P2 short | X = Not possible

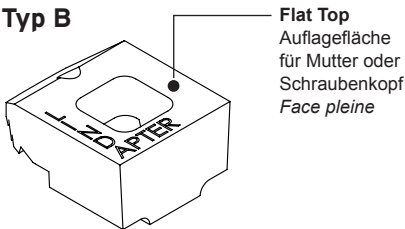
CORRECT INSTALLATION / RICHTIGE MONTAGE

Type / Typ A, B, BR, BSLN

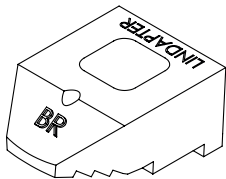
Type / Typ A



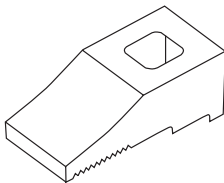
Type / Typ B



Type / Typ BR



Type / Typ BSLN



For safe working loads and characteristic resistances please refer to the Lindapter website www.Lindapter.com
 Die Belastungswerte entnehmen Sie bitte der bauaufsichtlichen Zulassung und von der Internetseite www.Lindapter.de
Pour les charges utiles et les résistances caractéristiques veuillez-vous référer au site de Lindapter www.Lindapter.fr

Approvals (Type A and B only)
 Zulassungen (Nur Typ A und B)
 Homologations (Type A et B seulement)



8.8 Bolt Schraube 8.8 Boulon 8.8	Torque (for unlubricated bolts)* Anziehmoment (für ungeschmierte Schrauben)* Couple de serrage (pour boulons non-lubrifiés)* Nm
M8	6
M10	20
M12	69
M16	147
M20	285
M24	491

Grd. 5 / A325 Bolt	Torque (for unlubricated bolts)* ft lb
3/8"	15
1/2"	50
5/8"	108
3/4"	210
1"	362

* All torque figures provided are based on fasteners in an unlubricated condition. For further information contact Lindapter.

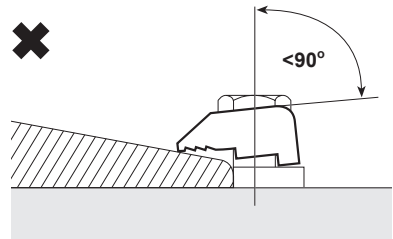
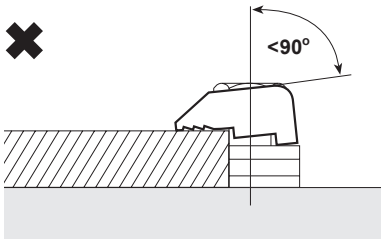
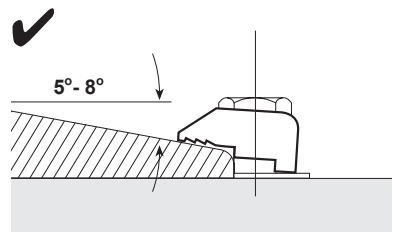
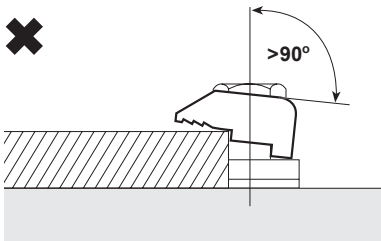
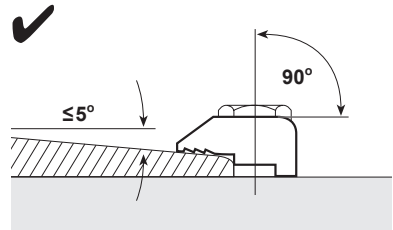
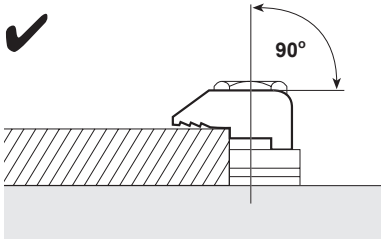
* Alle angegebenen Anziehmomente basieren auf Befestigungselementen im ungeschmierten Zustand. Für weitere Informationen kontaktieren Sie bitte Lindapter.

* Les valeurs des couples de serrage sont fournies sur la base de boulons non-lubrifiés. Pour plus d'information, contacter Lindapter.

CORRECT INSTALLATION / RICHTIGE MONTAGE

Type / Typ A, B, BR, BSLN

Ref: AB_APPR23



For correct tail length / packing combination accessories Type CW, P1 short and P2 short are available. Please refer to the catalogue for more details.

Zur korrekten Anpassung der Nockenhöhe an den Flansch stehen die Zubehörteile Typ CW, P1 kurz und P2 kurz zur Verfügung. Siehe Katalog.

Pour l'ensemble correct talon/cale les cales de réglage type CW, P1 court et P2 court sont disponibles. Pour plus de renseignements veuillez consulter le catalogue générale.