

Heavy-duty anchors BZ galvanised

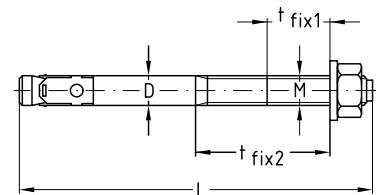
Field of application

- For anchorages of medium-weight to heavy loads in cracked and non-cracked concrete
- Attachment of wall hanger brackets, support channels, base plates, constructions made of metal and wood, cable trays, railings, etc.
- Also applicable in hard natural stone

Advantages

- Secure anchorage due to slit splaying sleeve with serrations
- Force-controlled splaying from the tightening torque

- Secure splaying due to taper with slide coating
- European Technical Assessment (ETA) for cracked concrete (tensile zone) and non-cracked concrete (compression zone)
- Higher loading possible when used in the compression zone
- Two effective anchorage depths for greater flexibility (maximum anchor length 210 mm)
- Approved for seismic loads, performance categories C1 and C2 (maximum anchor length 210 mm)



Standard anchorage depth:





Type	Connecting thread	Clamping thickness t_{fix1} [mm]	Drill hole- \varnothing x depth [mm]	Setting depth h_{nom} [mm]	Anchoring depth h_{ef} [mm]	Seismic	Overall length L [mm]	Part no.	Sales unit	Pack unit	
BZ 8-30-41/95	M8	30	8 x 60	52	46	-	95	162169	100	pieces	
BZ 8-50-61/115		50					115				162170
BZ 10-10-30/90	M10	10	10 x 75	68	60	C1/C2	90	162171	50		
BZ 10-30-50/110		30					110				162172
BZ 10-50-70/130		50					130				162173
BZ 10-75-95/155		75					155				162174
BZ 12-15-35/110	M12	15	12 x 90	80	70	-	110	162175	25		
BZ 12-50-70/145		50					145				162176
BZ 12-65-85/160		65					160				162177
BZ 12-125/220		125					220				116712
BZ 16-140/260	M16	140	16 x 110	97	85	-	260	116737	10		

Reduced anchorage depth:


Type	Connecting thread	Clamping thickness t_{fix2} [mm]	Drill hole- \varnothing x depth [mm]	Setting depth $h_{nom\ red}$ [mm]	Anchoring depth $h_{ef\ red}$ [mm]	Overall length L [mm]	Part no.	Sales unit	Pack unit	
BZ 8-30-41/95	M8	41	8 x 49	41	35	95	162169	100	pieces	
BZ 8-50-61/115		61				115				162170
BZ 10-10-30/90	M10	30	10 x 55	48	40	90	162171	50		
BZ 10-30-50/110		50				110				162172
BZ 10-50-70/130		70				130				162173
BZ 10-75-95/155		95				155				162174
BZ 12-15-35/110	M12	35	12 x 70	60	50	110	162175	25		
BZ 12-50-70/145		70				145				162176
BZ 12-65-85/160		85				160				162177
BZ 12-125/220		-				220				116712
BZ 16-140/260	M16	-	-	-	-	260	116737	10		

⚠ Also available in stainless steel.

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Features		   					
Type	FM	Standard anchorage depth			Reduced anchorage depth		
		Anchoring depth h_{ef} [mm]	Permissible tensile load ¹⁾ cracked concrete C20/25 [kN]	Permissible tensile load ¹⁾ uncracked concrete C20/25 [kN]	Anchoring depth $h_{ef\ red}$ [mm]	Permissible tensile load ¹⁾ cracked concrete C20/25 [kN]	Permissible tensile load ¹⁾ uncracked concrete C20/25 [kN]
BZ 8-30-41/95		46	2.4	5.7	35	2.4	3.6
BZ 8-50-61/115							
BZ 10-10-30/90	●	60	4.3	7.6	40	3.6	4.3
BZ 10-30-50/110	●						
BZ 10-50-70/130	●						
BZ 10-75-95/155	●						
BZ 12-15-35/110	●	70	7.6	11.9	50	6.1	8.5
BZ 12-50-70/145	●						
BZ 12-65-85/160	●						
BZ 12-125/220	●						
BZ 16-140/260	●	85	11.9	16.7			

¹⁾ The admissible loads apply for single anchors in concrete strength class \geq C20/25 for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETA is included. The European Technical Assessment ETA-05/0158 shall be observed for dimensioning.

 Please refer to chapter "Technical information" for additional characteristic values of plugs.