

Heavy-duty anchors BZ

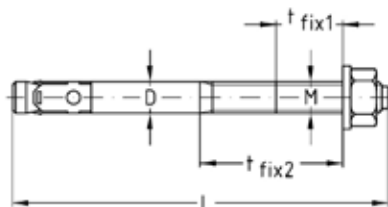
stainless steel

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

Your 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)
- Also available in HCR upon request




Features








Standard anchorage depth															
Type	Connecting thread	Length L [mm]	Clamping thickness t _{fix1} [mm]	Drilling diameter D [mm]	Drilling depth [mm]	Setting depth h _{nom} [mm]	Anchoring depth h _{ef} [mm]	FM	Seismic	Admissible tensile load cracked concrete C20/25 ¹⁾ [kN]	Admissible tensile load uncracked concrete C20/25 ¹⁾ [kN]	Material	Part no.	Sales unit	Pack unit
BZ 8-30-41/95	M8	95	30	8	60	52	46		-	2.4	5.7	V4A	162179	100	Pieces
BZ 8-50-61/115		115	50										162180		
BZ 10-10-30/90	M10	90	10	10	75	68	60	x	C1/C2	4.3	7.6		162181	50	
BZ 10-30-50/110		110	30					x					162182		
BZ 10-50-70/130		130	50					x					162183		
BZ 12-15-35/110	M12	110	15	12	90	80	70	x		7.6	11.9		162184	25	
BZ 12-50-70/145		145	50					x					162185		
BZ 12-85-105/180		180	85					x					162186		

¹⁾ The approved loading applies for single anchors in concrete strength class \geq C20/25 (B25) for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETAG is included. The European Technical Assessment ETA-05/0158 shall be observed in dimensioning.


 For additional characteristic values of plugs for use in areas with requirements on the duration of fire resistance, please refer to the „Technical information“ chapter.

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Features															 fire protection certified F90 M10-M16	 Europäische Technische Bewertung	 APPROVED for M10-M12	 ROSTSTAHL® Rostfrei STAINLESS STEEL	
Reduced anchorage depth																			
Type	Connec- ting thread	Length L [mm]	Clamping thickness t _{fix2} [mm]	Drilling diameter D [mm]	Drilling depth [mm]	Setting depth h _{nom red} [mm]	Anchoring depth h _{ef red} [mm]	FM	Admissible tensile load cracked concrete C20/25 ¹⁾ [kN]	Admissible tensile load uncracked concrete C20/25 ¹⁾ [kN]	Material	Part no.	Sales unit	Pack unit					
BZ 8-30-41/95	M8	95	41	8	49	41	35		2.4	3.6	V4A	162179	100	Pieces					
BZ 8-50-61/115		115	61									162180							
BZ 10-10-30/90	M10	90	30	10	55	48	40	x	3.6	4.3		162181	50						
BZ 10-30-50/110		110	50					x				162182							
BZ 10-50-70/130		130	70					x				162183							
BZ 12-15-35/110	M12	110	35	12	70	60	50	x	6.1	8.5		162184	25						
BZ 12-50-70/145		145	70					x				162185							
BZ 12-85-105/180		180	105					x				162186							

¹⁾ The approved loading applies for single anchors in concrete strength class $\geq C20/25$ (B25) for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETAG is included. The European Technical Assessment ETA-05/0158 shall be observed in dimensioning.

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