

Heavy-duty anchors BZ

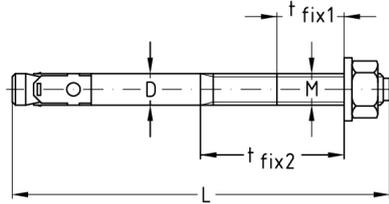
stainless steel

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										162182		
BZ 10-50-70/130		130	50										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										162185		
BZ 12-85-105/180		180	85										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.

i 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														
    														
Reduced anchorage depth														
Type	Connecting 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									162182		
BZ 10-50-70/130		130	70								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								162185			
BZ 12-85-105/180		180	105								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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