

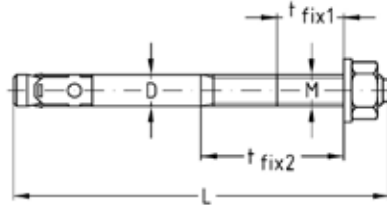
### Heavy-duty anchors BZ galvanised

#### 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)



#### Features



Standard anchorage depth														
Type	Connecting thread	Length L [mm]	Clamping thickness t <sub>fix1</sub> [mm]	Drilling diameter D [mm]	Drilling depth [mm]	Setting depth h <sub>nom</sub> [mm]	Anchoring depth h <sub>ef</sub> [mm]	FM	Seismic	Admissible tensile load cracked concrete C20/25 <sup>1)</sup> [kN]	Admissible tensile load uncracked concrete C20/25 <sup>1)</sup> [kN]	Part no.	Sales unit	Pack unit
BZ 8-30-41/95	M8	95	30	8	60	52	46		-	2.4	5.7	162169	100	Pieces
BZ 8-50-61/115		115	50									162170		
BZ 10-10-30/90	M10	90	10	10	75	68	60	x	C1/C2	4.3	7.6	162171	50	
BZ 10-30-50/110		110	30									162172		
BZ 10-50-70/130		130	50									162173		
BZ 10-75-95/155		155	75									162174		
BZ 12-15-35/110	M12	110	15	12	90	80	70	x		7.6	11.9	162175	25	
BZ 12-50-70/145		145	50									162176		
BZ 12-65-85/160		160	65									162177		
BZ 12-125/220		220	125									116712		
BZ 16-15-35/135	M16	135	15	16	110	97	85	x	C1/C2	11.9	16.7	162178	1	
BZ 16-140/260		260	140									116737		

<sup>1)</sup> 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 „Stainless steel,“ for the stainless steel version.
- 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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#### 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 <sup>1)</sup> [kN]	Admissible tensile load uncracked concrete C20/25 <sup>1)</sup> [kN]	Part no.	Sales unit	Pack unit
BZ 8-6/60	M8	60	6	8	49	41	35		2.4	3.6	168951	100	Pieces
BZ 8-30-41/95		95	41								162169		
BZ 8-50-61/115		115	61								162170		
BZ 10-10-30/90	M10	90	30	10	55	48	40	x	3.6	4.3	162171	50	
BZ 10-30-50/110		110	50								162172		
BZ 10-50-70/130		130	70								162173		
BZ 10-75-95/155		155	95								162174		
BZ 12-15-35/110	M12	110	35	12	70	60	50	x	6.1	8.5	162175	25	
BZ 12-50-70/145		145	70								162176		
BZ 12-65-85/160		160	85								162177		
BZ 16-15-35/195	M16	135	35	16	90	77	65	x	9	12.6	162178	1	

<sup>1)</sup> 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 „Stainless steel,“ for the stainless steel version.
- 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.

