

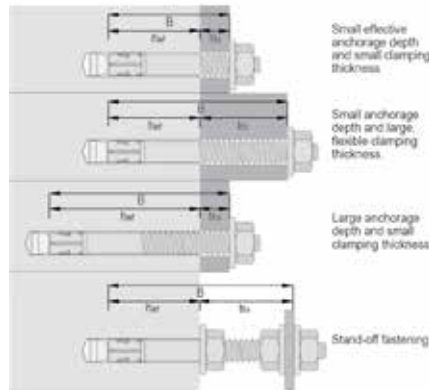
Heavy-duty anchors BZ3 galvanised

Application

- Heavy-duty anchor with highest approved tensile and shear loads and variable anchorage depths
- In many cases, with the same setting depth as before, the BZ3 allows higher loads, which can be further increased by deeper setting; this can save fixing points
- For anchorages of medium-weight to heavy loads in cracked and non-cracked concrete (concrete quality C20/25 - C50/60)
- Range of loading 3.4 kN - 34.3 kN
- Attachment of wall hanger brackets, support channels, base plates, constructions made of metal and wood, cable trays, railings, etc.
- Fastenings in earthquake areas

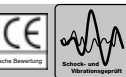
Your advantages

- Low minimum anchorage depths due to higher permissible loads
- Due to the high flexibility optimal adaptation to the installation situation for maximum efficiency



- Significant increase in performance under the influence of earthquakes
- Colored marking of the minimum anchoring depth
- European Technical Assessment ETA-19/0619 for use in cracked and non-cracked concrete (option 1), under seismic action of categories C1 and C2 and for use in fire (R30 - R120)
- Shock approval from the Federal Office for Civil Protection, Switzerland

Features



Type	Thread [mm]	Total length [mm]	Drilling diameter D [mm]	Standard anchorage depth		Minimum anchorage depth		Usable length B [mm]	Variable anchorage depth			Seismic ¹⁾	Part no.	Sales unit	Pack unit			
				Clamping thickness t _{fix, std} [mm]	Anchoring depth h _{ef, std} [mm]	Clamping thickness t _{fix, max} [mm]	Anchoring depth h _{ef, min} [mm]		Clamping thickness t _{fix} [mm]	Drilling depth h ₁ [mm]	Setting depth h _{nom} [mm]							
BZ3 M8x95/0-40	M8 x 53	95	8	30	45	40	35	75	B - hef	hef + 10	hef + 8	C1/C2	180390	100	Pieces			
BZ3 M8x115/5-60	M8 x 73	115		50		60		95										
BZ3 M10x90/0-30	M10 x 45	90		10	10	60	30	40					70			hef + 11	hef + 9	180392
BZ3 M10x110/0-50	M10 x 65	110			30		50						90					
BZ3 M10x130/10-70	M10 x 85	130			50		70						110					
BZ3 M10x155/35-95	M10 x 110	155			75		95						135					
BZ3 M12x110/0-35	M12 x 54	110	12		15	70	35	50	85	hef + 13	hef + 10		180396					
BZ3 M12x145/0-70	M12 x 89	145		50		70		120										
BZ3 M12x160/10-85	M12 x 104	160		65		85		135										
BZ3 M12x200/50-125	M12 x 134	200		105		125		175										
BZ3 M16x135/0-35	M16 x 59	135	16	15	85	35	65	100	hef + 17	hef + 14	180400	20						
BZ3 M16x200/5-100	M16 x 124	200		80		100		165			180401			10				

¹⁾ Seismic C1 and C2 for anchoring depth h_{ef} ≥ 40 mm.



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.