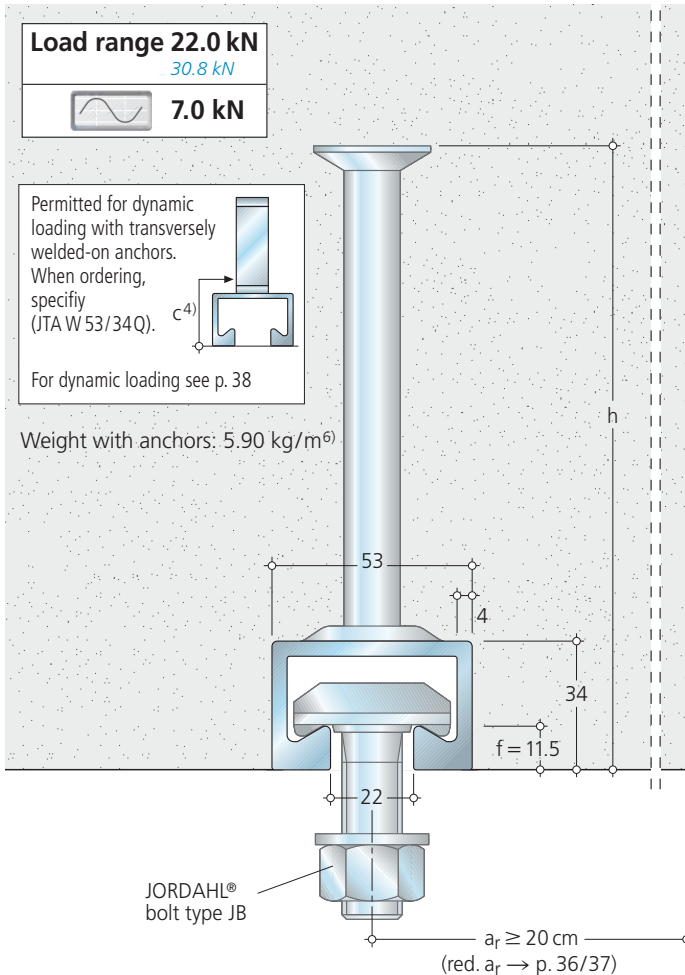
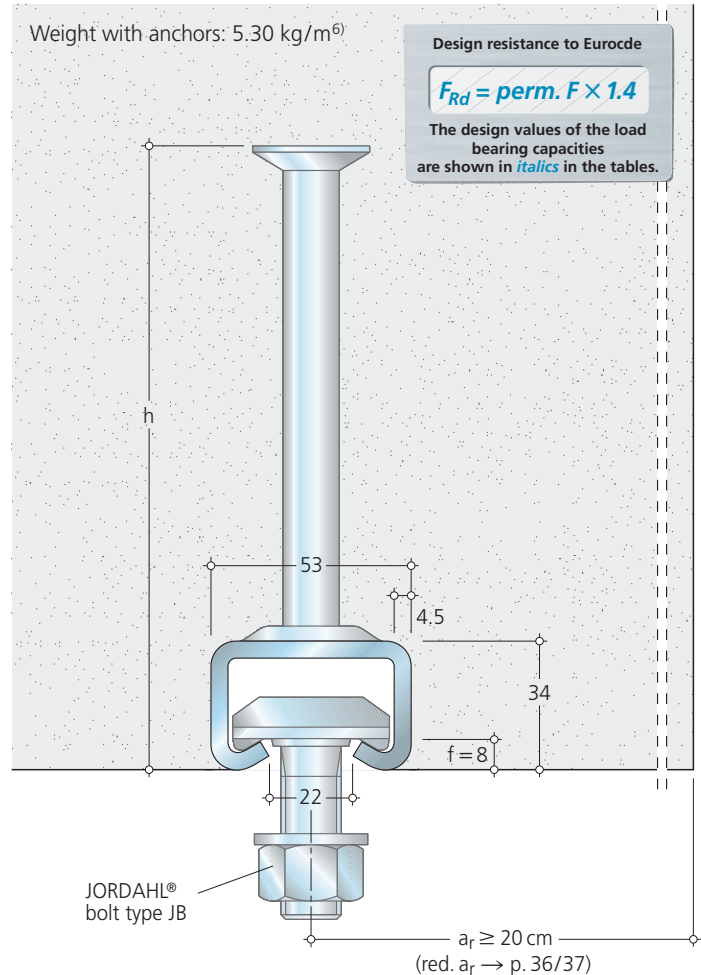


Anchor channel type JTA W 53/34 and K 53/34

JTA W 53/34



JTA K 53/34



Type	JTA W 53/34				JTA K 53/34			
Material Design	S235JR fv, wb		1.4401/1.4404/1.4571 (A4) Round anchor A4 I anchor wb ⁴⁾		S235JR fv, wb		1.4401/1.4404/1.4571 ³⁾ (A4) Round anchor A4 I anchor wb ⁴⁾	
permissible point load [kN] ¹⁾ ≥ C 20/25	JTA W 53/34 Q permitted for dynamic loads				22.0 (25.0) <i>30.8 (35.0)</i>			
	22.0 (25.0) <i>30.8 (35.0)</i>							
Anchor design ²⁾	R	I 125	R	I 125 ⁴⁾	R	I 125	R	I 125
Installation height h [mm]	165	160	165	160	165	160	165	160
Filler	Polystyrene filling (PS)				Polystyrene filling (PS)			

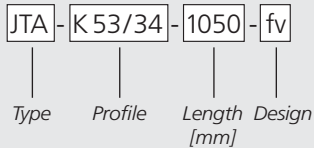
Lengths supplied: JTA W 53/34, K 53/34			
about 25 ⁵⁾			
	Length [mm]	Anchor (no.)	Anchor spacing s
Short pieces	150 ⁵⁾	2	100
	200	2	≤ 150
	250	2	≤ 200
	300	2	≤ 250
	350 – 550	3	≤ 250
	600 – 800	4	≤ 250
Cut lengths	850 – 1050	5	≤ 250
	1050 < L < 6000 on request		≤ 250
Stock lengths	6000 (-0/+50)	25	≤ 250

- 1) Max. permissible load as per Building Approval. C 20/25 ≤ B 25. Bracketed values apply to C 30/37 ≤ B 35. Permissible loads for the respective application → p. 33.
- 2) Anchor design: R = round anchor (standard design); I = weld-on anchor. Supply not binding if not expressly ordered for dynamic loading.
- 3) Can also be supplied upon request in stainless steel 1.4529/1.4547 for corrosion resistance class IV.
- 4) With respect to corrosion prevention of the weld-on anchors, a concrete covering c of 40 mm may be used.
- 5) In the case of round anchors, the end spacing is about 35 mm, anchor spacing 80 mm.
- 6) Weight per metre for mill finish steel (for galvanized profiles: weight per metre × 1,10) (for stainless steel: weight per metre × 1,02)

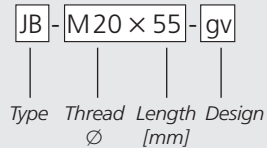


Anchor channels JTA W 53/34 in tunnel structures for German Railways. With associated bolt according to Guideline Drawing 2 Ebs 04.54.24 from Deutsche Bahn AG.

Ordering example Anchor channels

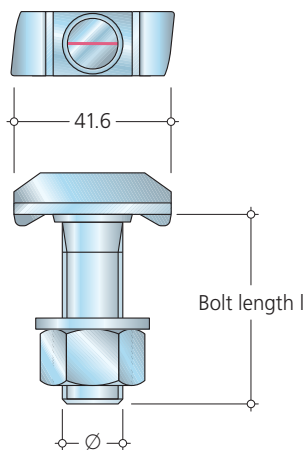


Ordering example JORDAHL® bolts type JB



JORDAHL® bolts type JB

Bottom view



gv 4.6 = electrogalvanized in strength class 4.6
 fv 4.6 = hot-dip galvanized in strength class 4.6
 fv 8.8 = hot-dip galvanized in strength class 8.8
 A4-50 = stainless steel 1.4401/1.4404/1.4571 in strength class 50
 FA-70 = stainless steel 1.4462 in strength class 70

Bolt range JB

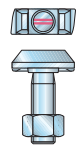
Length l [mm]	JB M10	JB M12	JB M16	JB M20
30	gv 4.6	gv 4.6 A4-50	gv 4.6 A4-50	
35				gv 4.6
40	gv 4.6	gv 4.6 A4-50	gv 4.6 A4-50	
45				gv 4.6 A4-50
50	gv 4.6	gv 4.6 A4-50	gv 4.6, fv 4.6 A4-50	
55				gv 4.6 A4-50
60		gv 4.6	gv 4.6 fv 4.6, fv 8.8 A4-50	
65				gv 4.6, fv 8.8
75				gv 4.6 A4-50
80	gv 4.6	gv 4.6	gv 4.6, fv 4.6 A4-50	
100		gv 4.6 A4-50	gv 4.6	gv 4.6, fv 8.8 A4-50 FA-70
125		gv 4.6	gv 4.6	gv 4.6 A4-50
150		gv 4.6	gv 4.6 A4-50	gv 4.6 A4-50 FA-70
200		gv 4.6	gv 4.6	gv 4.6
300			gv 4.6	gv 4.6

Locking plates JGM B, M 6-16



gv, A4
→ p. 56

Notched toothed bolt



Grade 8.8, fv
→ p. 41, 54
 • JKB M 16 x 60 perm. F = 5.0 kN
 • JKB M 20 x 60 perm. F = 7.5 kN
 • Application only in hot-rolled profiles fv

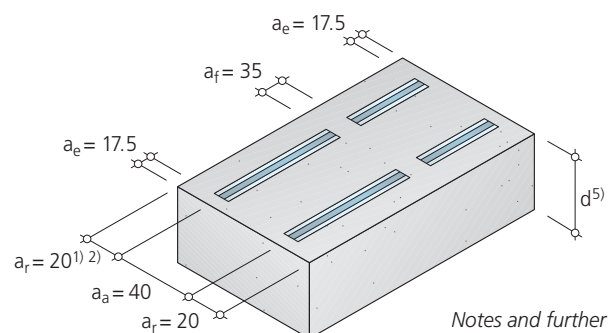
Permissible bolt loads

under tension, oblique tension or shear load

Type Ø	Recommended tightening torque M _A [Nm] ⁴⁾	Permissible load perm. F ¹⁾ /F _{Rd} [kN]		Permissible bending moment perm. M ²⁾³⁾ /M _{Rd} [Nm]	
		4.6	A4-50	4.6	A4-50
JB M10	15	6.4 9.0	6.4 9.0	10.0 14.0	8.7 12.2
JB M12	25	9.3 13.0	9.3 13.0	17.5 24.5	15.3 21.4
JB M16	60	17.3 24.2	17.3 24.2	44.4 62.2	38.8 54.3
JB M20	120	27.0 37.8	27.0 37.8	86.5 121.1	75.7 106.0

Notes → p. 40

Associated edge spacings [cm]



Notes and further minimum spacings → p. 35