

Anchor channel type JTA W 40/22 and K 40/25

JTA W 40/22

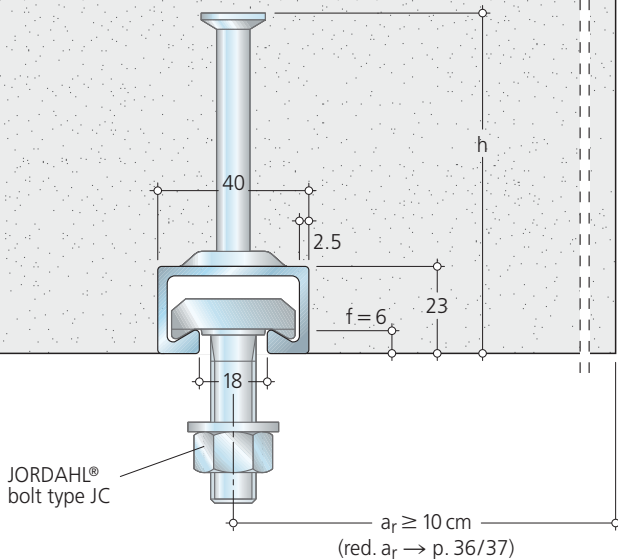
Load range 6.0 and 8.0 kN

8.4 and 11.2 kN



f_v **2.0 kN**
A4 **1.8 kN**

Weight with anchors: 2.20 kg/m⁶⁾



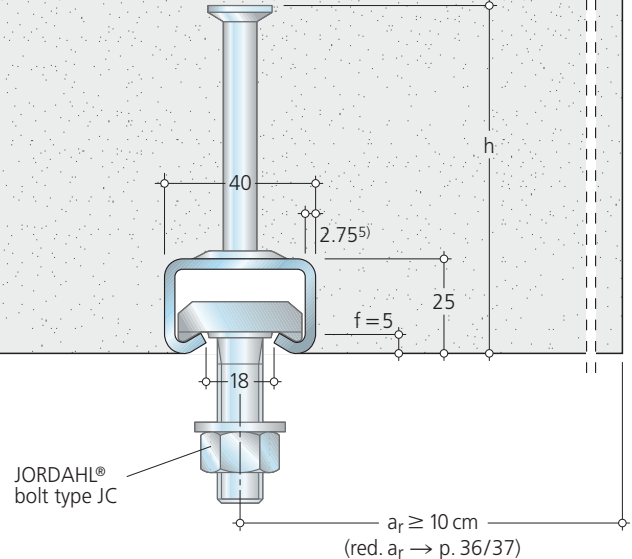
JTA K 40/25

Weight with anchors: 2.15 kg/m⁶⁾

Design resistance to Eurocode

$$F_{Rd} = perm. F \times 1.4$$

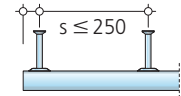
The design values of the load bearing capacities are shown in *italics* in the tables.



Type	JTA W 40/22			JTA K 40/25		
Material Design	S235JR fv, wb	1.4401/1.4404/1.4571 (A4) Round anchor A4		S235JR fv, wb	1.4401/1.4404/1.4571 ³⁾ (A4) Round anchor A4	
permissible point load [kN]¹⁾ ≥ C 20/25	permitted for dynamic loads					
	6.0/8.0 <i>8.4/11.2</i>	(4.0) ⁴⁾ <i>(5.6)⁴⁾</i>		6.0/8.0 <i>8.4/11.2</i>	(4.0) ⁴⁾ <i>(5.6)⁴⁾</i>	
Anchor design²⁾	R	I 60	R	R	I 60	R
Installation height h [mm]⁴⁾	90 (60)	85	90	90 (60)	85	90
Filler	Posystyrene filling (PS) or polyethylene filling (PE) (Supply not binding)			Posystyrene filling (PS) or polyethylene filling (PE) (Supply not binding)		

**Lengths supplied:
JTA W 40/22, K 40/25**

about 25



	Length [mm]	Anchor (no.)	Anchor spacing s
Short pieces	100	2	50
	150	2	100
	200	2	150
	250	2	200
	300	2	250
	350 – 550	3	≤ 250
	600 – 800	4	≤ 250
Cut lengths	1050 < L < 6000 on request		≤ 250
	Stock lengths	6000 (-0/+50)	25

1) Max. permissible load as per Building Approval. The second value applies to short pieces 100/150/200/250 mm. Permissible loads for the respective application → p. 33, C20/25 Δ B 25.

2) Anchor design: R = round anchor (standard design); I = weld-on anchor in exceptional cases. Supply not binding.

3) Can also be supplied upon request in stainless steel 1.4529/1.4547 for corrosion resistance class IV.

4) With shortened anchor (bracketed values) outside the Building approval. We design load bearing capacities dependent on edge spacings and concrete qualities on a project basis.

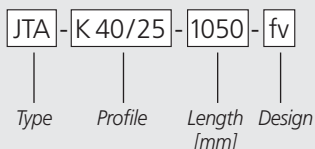
5) t = 2.5 mm in A4 design.

6) Weight per metre for mill finish steel
(for galvanized profiles: weight per metre × 1,10)
(for stainless steel: weight per metre × 1,02)

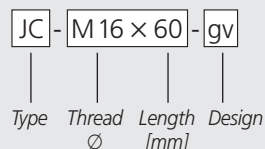


Lift shafts with hot-rolled JORDAHL® anchor channels approved by the Building Approval, can be loaded dynamically, good alignment of the lift guide channel in the shaft.

Ordering example Anchor channels

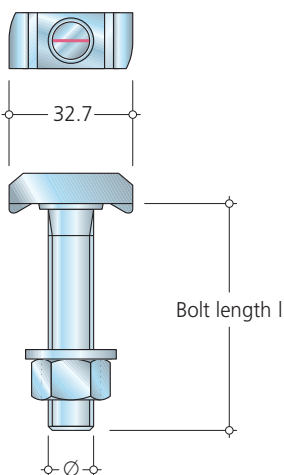


Ordering example JORDAHL® bolts type JC



JORDAHL® bolts type JC

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

Bolt range JC

Length l [mm]	JCM10	JCM12	JCM16
20	gv 4.6	gv 4.6	
30	gv 4.6 A4-50	gv 4.6 A4-50	gv 4.6 A4-50
40	gv 4.6 A4-50	gv 4.6 A4-50	gv 4.6 A4-50
50	gv 4.6 A4-50	gv 4.6 A4-50	gv 4.6 A4-50 ¹⁾
60	gv 4.6	gv 4.6 fv 8.8	gv 4.6 fv 4.6, fv 8.8 A4-50
80	gv 4.6	gv 4.6 A4-50	gv 4.6, fv 8.8 A4-50
100	gv 4.6	gv 4.6 A4-50	gv 4.6 A4-50
125		gv 4.6	gv 4.6
150		gv 4.6 A4-50	gv 4.6 A4-50
200		gv 4.6	gv 4.6 A4-50
250			gv 4.6
300			gv 4.6

Locking plates JGM C, M6-16



gv, A4
→ p. 56

Notched toothed bolt



Grade 8.8, fv
→ p. 41, 54
JKC M 16 x 40
JKC M 16 x 60
perm. F = 5.0 kN
with M_A = 200 Nm
Application only in the W 40/22 fv

1) Can be supplied with left-hand or right-hand threads.

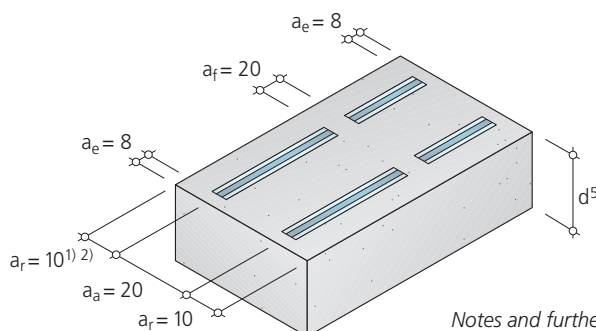
Permissible bolt loads

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
JCM10	15	6.4 9.0	6.4 9.0	10.0 14.0	8.7 12.2
JCM12	25	9.3 13.0	9.3 13.0	17.5 24.5	15.3 21.4
JCM16	60	17.3 24.2	17.3 24.2	44.4 62.2	38.8 54.3

Notes → p. 40

Associated edge spacings [cm]



Notes and further minimum spacings → p. 35