



Carriages KWVE20-B-S (Series KWVE..-B-S)

narrow carriage, four-row; corrosion-resistant design possible

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system (<http://www.ina.de/content.ina.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

H	30 mm
B	44 mm
L	71,4 mm
1)	Locating face
2)	Marking
3)	Lubrication nipple with tapered head to DIN 71 412-B M5 is supplied loose
A ₁	12 mm
A ₂	6 mm
A ₃	8 mm
A ₄	4,6 mm
a _L max	53 mm a L and a R are dependent on the length l max of the guideway
a _L min	20 mm a L and a R are dependent on the length l max of the guideway
a _R max	53 mm a L and a R are dependent on the length l max of the guideway
a _R min	20 mm a L and a R are dependent on the length l max of the guideway
b	20 mm Tolerance: -0,005 / -0,03
G ₂	M5 For screws to DIN ISO 4762-12.9 Max. tightening torque in Nm: M4 = 5 M5 = 10 M6 = 17 M8 = 41 M10 = 83 M12 = 140

		M14 = 220
		If there is a possibility of settling, the fixing screws should be secured against rotation.
h	17 mm	
H ₁	4,5 mm	
h ₁	9,1 mm	
H ₅	5,25 mm	
J _B	32 mm	
J _L	36 mm	
j _L	60 mm	
J _{L6}	11,4 mm	
K ₁	M5	For screws to DIN ISO 4762-12.9
		Max. tightening torque in Nm:
		M3 = 2,5
		M4 = 5
		M5 = 10
		M6 = 17
		M8 = 41
		M10 = 83
		M12 = 140
		M14 = 220
		M16 = 340
		If there is a possibility of settling, the fixing screws should be secured against rotation
L ₁	50,4 mm	
l _{max}	2960 mm	Maximum length of single-piece guideways; longer guideways are supplied in several sections and are marked accordingly. Maximum single-piece guideway length of 6 m by agreement.
L _S	1,3 mm	
N ₃	4,5 mm	Maximum permissible screw depth for lubrication connector: 7 mm
N ₄	4,5 mm	Maximum permissible screw depth for lubrication connector: 5,5 mm
S	0,8 mm	
T ₅	7,5 mm	
W ₆	6 mm	Width across flats
mw	0,34 kg	Mass of carriage
ms	2,2 kg/m	Mass of guideway
		Calculation of basic load rating according to DIN 636, increased basic dynamic load rating possible on the basis of practical experience.
C	13100 N	Basic dynamic load rating
C ₀	27000 N	Basic static load rating

M_{0x}	332 Nm	Static moment rating about X axis
M_{0y}	240 Nm	Static moment rating about Y axis
M_{0z}	240 Nm	Static moment rating about Z axis







