

115.111.129.98KWVE..-WFührungswagen

# Carriages KWVE20-W (Series KWVE..-W)

wide carriage for linear recirculating ball bearing and guideway assembly

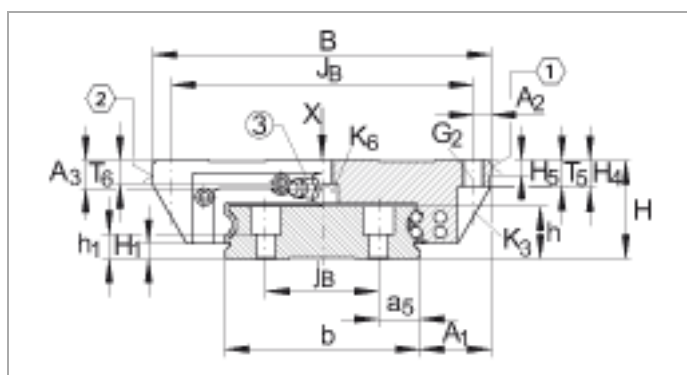
The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue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

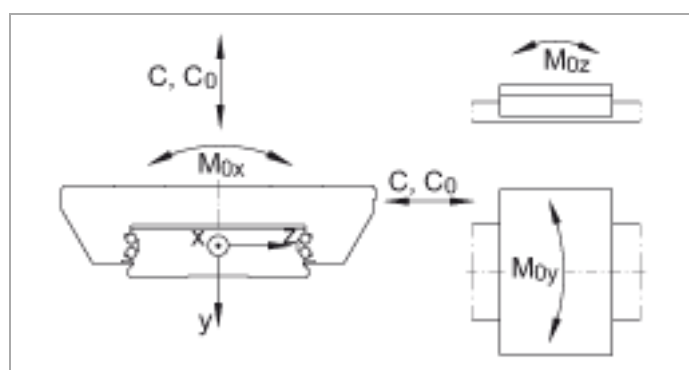
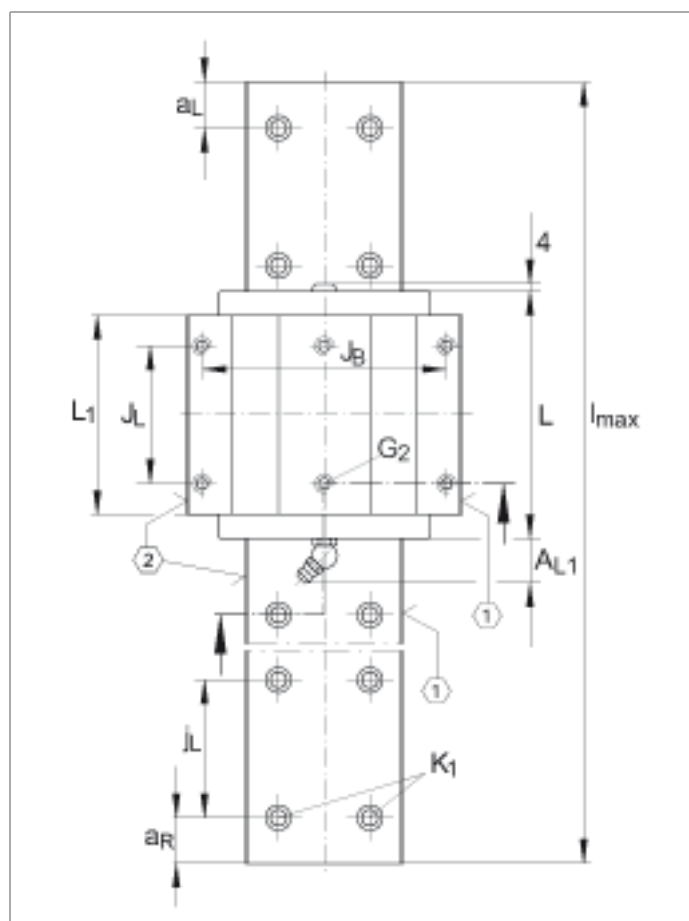
H	27 mm
B	80 mm
L	69,8 mm
1)	Locating face
2)	Marking
3)	Lubrication nipple with tapered head to DIN 71 412-B M5 is supplied loose
A <sub>1</sub>	19 mm
A <sub>2</sub>	5 mm
A <sub>3</sub>	5 mm
a <sub>5</sub>	9 mm
AL <sub>1</sub>	19 mm
aL <sub>max</sub>	53 mm a L and a R are dependent on the length l max of the guideway
aL <sub>min</sub>	20 mm a L and a R are dependent on the length l max of the guideway
aR <sub>max</sub>	53 mm a L and a R are dependent on the length l max of the guideway
aR <sub>min</sub>	20 mm a L and a R are dependent on the length l max of the guideway
b	42 mm Tolerance: -0,005/-0,03
G <sub>2</sub>	M6 For screws to DIN ISO 4762-12.9 Max. tightening torque in Nm: M5 = 5,8 M6 = 10 M8 = 24

		M10 = 41 M12 = 83 M14 = 140 If there is a possibility of settling, the fixing screws should be secured against rotation.
h	17 mm	
H <sub>1</sub>	4,6 mm	
h <sub>1</sub>	10 mm	
H <sub>4</sub>	10,6 mm	
H <sub>5</sub>	5 mm	
J <sub>B</sub>	70 mm	
j <sub>B</sub>	24 mm	
J <sub>L</sub>	40 mm	
j <sub>L</sub>	60 mm	
K <sub>1</sub>	M4	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
K <sub>3</sub>	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
K <sub>6</sub>	M5	For screws to DIN 7984-8.8 Max. tightening torque in Nm: M4 = 2 M5 = 4 M8 = 12 If there is a possibility of settling, the fixing screws should be secured against rotation.
L <sub>1</sub>	50,4 mm	
l <sub>max</sub>	1980 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.

T <sub>5</sub>	10 mm	
T <sub>6</sub>	6 mm	For location from above: max. screw depth for central threaded holes T <sub>6</sub> + 2,5 mm
mw	0,5 kg	Mass of carriage
ms	5 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 <sub>0</sub>	27000 N	Basic static load rating
M <sub>0x</sub>	687 Nm	Static moment rating about X axis
M <sub>0y</sub>	240 Nm	Static moment rating about Y axis
M <sub>0z</sub>	240 Nm	Static moment rating about Z axis





Load directions