

115.111.129.98KWVE..-WLFührungswagen

Carriages KWVE25-WL (Series KWVE..-WL)

wide, long 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) or by telephone on +49 (91 32) 82 - 28 97.

H	35 mm
B	120 mm
L	107,5 mm
1)	Locating face
2)	Marking
3)	Lubrication nipple with tapered head to DIN 71 412-B M6 is supplied loose
A ₁	25,5 mm
A ₂	6,5 mm
A ₃	10 mm
a ₅	14,5 mm
AL ₁	19 mm
aL _{max}	71 mm a L and a R are dependent on the length l max of the guideway
aL _{min}	20 mm a L and a R are dependent on the length l max of the guideway
aR _{max}	71 mm a L and a R are dependent on the length l max of the guideway
aR _{min}	20 mm a L and a R are dependent on the length l max of the guideway
b	69 mm Tolerance: -0,005/-0,03
G ₂	M8 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

h 18,7 mm

H₁ 5,2 mm

h₁ 8,7 mm

H₄ 9,9 mm

H₅ 5 mm

J_B 107 mm

j_B 40 mm

J_L 60 mm

j_L 80 mm

K₁ M6 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

K₃ M6 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

K₆ M6 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

L1	86,5 mm	
l _{max}	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.
T5	10 mm	
T6	10 mm	For location from above: max. screw depth for central threaded holes T6 + 2,5 mm
mw	1,46 kg	Mass of carriage
ms	9,4 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	23400 N	Basic dynamic load rating
C ₀	54000 N	Basic static load rating
M _{0x}	2225 Nm	Static moment rating about X axis
M _{0y}	825 Nm	Static moment rating about Y axis
M _{0z}	825 Nm	Static moment rating about Z axis



