

## 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.

Н	35	mm	
В	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 <sub>1</sub>	25,5	mm	
A <sub>2</sub>	6,5	mm	
Аз	10	mm	
<b>a</b> 5	14,5	mm	
AL1	19	mm	
aL	71	mm	a L and a R are dependent on the length I max of the guideway
max			
aL	20	mm	a L and a R are dependent on the length I max of the guideway
min			
aR max	71	mm	a L and a R are dependent on the length I max of the guideway
aR	20	mm	a L and a R are dependent on the length I max of the guideway
min	20		a Land and are dependent on the length max of the guideway
b	69	mm	Tolerance: -0,005/-0,03
G <sub>2</sub>		M8	For screws to DIN ISO 4762-12.9
			Max. tightening torque in Nm:
			M3 = 2,5
			M4 = 5
			M5 = 10



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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
H<sub>1</sub>
                       5,2 mm
                       8,7 mm
h1
                       9,9 mm
H4
H5
                          5 mm
Jв
                       107 mm
                        40 mm
jв
                        60 mm
JL
                        80 mm
jL
                           M6 For screws to DIN ISO 4762-12.9
K<sub>1</sub>
                                 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
                           M6 For screws to DIN ISO 4762-12.9
K6
                                 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<sub>1</sub> 86,5 mm

Imax 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

T<sub>6</sub> 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.

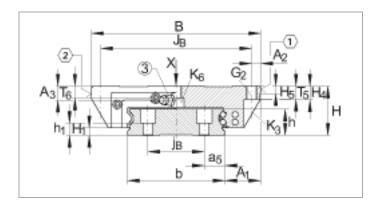
C 23400 N Basic dynamic load rating

Co 54000 N Basic static load rating

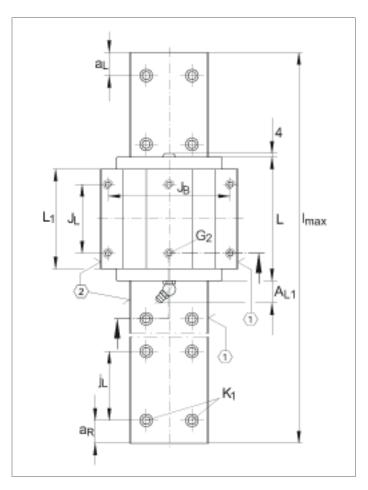
Mox 2225 Nm Static moment rating about X axis

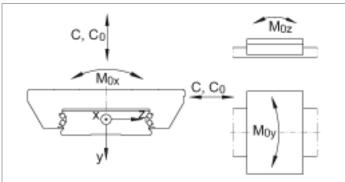
Moy 825 Nm Static moment rating about Y axis

Moz 825 Nm Static moment rating about Z axis









Load directions