

## Carriages RWU65-E-L (Series RWU..-E-L)

long carriage with full complement recirculating roller system for linear recirculating roller bearing and guideway assembly, for oil or grease lubrication

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	90 mm	
B	170 mm	
L	261,9 mm	Minimum covered length for sealing the upper lubrication connections
1)	Locating face	
2)	Marking	
3)	Fixing screw	
A <sub>1</sub>	53,5 mm	
A <sub>2</sub>	14 mm	
A <sub>3</sub>	19,6 mm	
A <sub>4</sub>	19,6 mm	
a <sub>L max</sub>	61 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	61 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	63 mm	Tolerance: -0,005/-0,035
d1	18 mm	
D2	14,5 mm	
G2	M16	<p>for screws to DIN ISO 4762-12.9</p> <p>Max. tightening torque [MA]:</p> <p>M6 = 10 Nm</p> <p>M8 = 24 Nm</p> <p>M10 = 41 Nm</p> <p>M12 = 83 Nm</p> <p>M14 = 140 Nm</p> <p>M16 = 220 Nm</p> <p>M20 = 470 Nm</p> <p>The stated torques represent maximum values for the reliable transmission of forces in vibration-free, quasistatic applications (S0=1). We recommend that the tightening torques of the screw connection to the adjacent construction should be determined at the customer under the specific application conditions and operating conditions, observing the data in VDI Guideline 2230 Part 1 (2015) and the data in the description.</p>
Gs	M4x4	DIN EN ISO 4027
h	53,8 mm	
H1	11,5 mm	
h1	28,8 mm	Tolerance: +0,5/-0,5
H4	39,2 mm	

O	18x1,5 mm	DIN 3771
T <sub>5</sub>	23,3 mm	
T <sub>6</sub>	23,3 mm	
mw	13,8 kg	Mass of carriage
ms	19,5 kg/m	Mass of guideway
C	270000 N	Basic dynamic load rating
C <sub>0</sub>	640000 N	Basic static load rating
	The full load rating can only be supported if the full thread length is used and the adjacent construction is correspondingly dimensioned.	
M <sub>0x</sub>	7600 Nm	Static moment rating about X axis
M <sub>0y</sub>	24000 Nm	Static moment rating about Y axis
M <sub>0z</sub>	21500 Nm	Static moment rating about Z axis

