

**GAR12-UK**

Rod end

Rod end with external thread, right hand thread, maintenance-free, sliding layer: PTFE composite, DIN ISO 12240-4, dimension series E, type M, inner ring curved surface with hard chromium coating, open design

Technical information

**Your current product variant**

Clampable	Not clampable
Mounting	External thread
Grease nipples	Cannot be relubricated
Slotted	No
Thread Pitch	Right-hand thread
Maintenance	Maintenance free
Type of Seal	Without

Main Dimensions & Performance Data

d_2	34 mm	Outer diameter eye
C_r	11.300 N	Basic dynamic load rating
C_{0r}	30.200 N	Basic static load rating
d	12 mm	Bore diameter bearing
D	22 mm	Outside diameter bearing
l_2	71 mm	Total length
B	10 mm	Width inner ring
$\approx m$	75,2 g	Weight



Dimensions

d_k	18 mm	Ball diameter
d_1	14,9 mm	Outer flange diameter inner ring
d_3	M12	Thread size
h	54 mm	Length of thread
C_1	8 mm	Width of the rod end
α	11 °	Tilt angle
l_1	28 mm	Thread length
l_7	18 mm	Length of the flat surface from the bearing bore centre to the shank
B_{UT}	-0,12 mm	Width inner ring , lower tolerance
B_{OT}	0 mm	Width inner ring; upper tolerance
d_{UT}	-0,008 mm	Bore diameter, lower tolerance
d_{OT}	0 mm	Bore diameter bearing upper tolerance
G_r	0 - 0,032	Radial clearance
G_{rmax}	0,032 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-50 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Mounting dimensions

r_{1s}	0,3 mm	Smallest single chamfer dimension, inner ring
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Characteristics



Radial load



Lifetime lubrication, freedom from maintenance



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment