

**GAR50-FW-2TS** [↗](#)

## Rod end

Rod end GAR...-FW-2TS, external threads, maintenance-free

## Technical information

**Your current product variant**

Clampable	Not clampable	
Mounting bolt	External thread	
Grease nipples	Cannot be relubricated	
Slotted	No	
Thread Pitch	Right-hand thread	
Maintenance	Maintenance free	
Sealing	2TS	Integrated triple lip high performance seals on both sides
Material sliding Layer	ELGOGLIDE	

**Main Dimensions & Performance Data**

$d_2$	135 mm	Outer diameter eye
$C_r$	691.000 N	Basic dynamic load rating
$C_{0r}$	405.000 N	Basic static load rating
$d$	50 mm	Bore diameter bearing
$D$	90 mm	Outside diameter bearing
$l_2$	227,5 mm	Total length
$B$	56 mm	Width inner ring
$\approx m$	6,4 kg	Weight



## Dimensions

$d_k$	80 mm	Ball diameter
$d_1$	57,1 mm	Outer flange diameter inner ring
$d_3$	M52x3	Thread size
$h$	210 mm	Length of thread
$C_1$	38 mm	Width of the rod end
$\alpha$	17 °	Tilt angle
$l_1$	115 mm	Thread length
$l_7$	75 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
$d_T$	0,012	Bore diameter_bearing_tolerance
$d_{UT}$	-0,012 mm	Bore diameter, lower tolerance
$d_{OT}$	0 mm	Bore diameter bearing upper tolerance
$G_r$	0-0,06 mm	Radial clearance
$G_{rmax}$	0,06 mm	Radial clearance, maximum
$G_{rmin}$	0 mm	Radial clearance, minimum

## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	100 °C	Operating temperature max.

## Mounting dimensions

$r_{1s}$	0,6 mm	Smallest single chamfer dimension, inner ring
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## Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment