



Part Number	<b>RL 455 - 4</b>
Type	Roller Bearing

**Shaft & Housing Tolerances**

Shaft Tolerance	h5
Housing Tolerance	H6
Shaft & Housing Hardness	HRC 60 <sup>+4</sup> , Ehd <sup>1</sup> ≥ 1.3 mm
Shaft & Housing Surface	R <sub>z</sub> ≤ 2.5 μm

**Geometrical Data**

Inner Diameter	d [mm]	47
Outer Diameter	D [mm]	55
Width	W [mm]	6

**Ratings**

Max. Static Radial Load	[N]	13,624
Max. Dynamic Radial Load	[N]	11,417
Max. Speed (Grease)	[rpm]	6,900
Max. Speed (Oil)	[rpm]	8,800
Max. Operating Temperature	[°C]	170

**Notes:**

1. Effective hardness depth, equivalent to case hardness depth (CHD).
2. Stated speed ratings are contingent on utilizing specified tolerances, correct installation techniques, and operating conditions below the specified maximums. If specific applications differ, please consult GMN USA engineers.