



Retaining Ring Guide for Shimano® Internal Geared Hubs

Gates Carbon Drive™ offers a retaining ring replacement for the Shimano® part FW7030. The replacement ring part number is SR144; this retaining ring **is required** for some Alfine® and Nexus® applications due to the dimensional differences of belt sprockets. The purpose of this document is to help the user determine when to use the Gates Carbon Drive retaining ring vs. the stock Shimano retaining ring.

Required Retaining Ring Selection Chart

Gates Part Number	Internally Geared Hub Models				
	Alfine 11®	Alfine 8®	Nexus 8®	Nexus 7®	Nexus 3®
CDX1124NAF10	N/A	Gates SR144	Gates SR144	Gates SR144	Gates SR144
CDC1124NPN10	N/A	Gates SR144	Gates SR144	Gates SR144	Gates SR144
CT1124NMN	Shimano® FW7030	Shimano® FW7030	Shimano® FW7030	Shimano® FW7030	Shimano® FW7030



Gates Carbon Drive
Part # SR144
Thickness: 1.44mm
End Detail: angled, gap



Shimano®
Part # FW7030
Thickness: 2.0mm
End Detail: flat, no gap



Use the following chart to verify that your specific Shimano® internally geared hub is compatible with Gates Carbon Drive™.

Gates Carbon Drive Compatible Shimano IGH Model Chart

<u><i>Alfine 11</i></u> [®]	<u><i>Alfine 8</i></u> [®]	<u><i>Nexus 8</i></u> [®]	<u><i>Nexus 7</i></u> [®]	<u><i>Nexus 3</i></u> [®]
SG – S700	SG – S501	SG - 8R36 SG - 8R31 SG - 8R36 – VS SG - 8R31 – VS SG – 8C31*	SG – 7R46 SG – 7C18*	SG – 3D55 SG – 3C41* SG – 3R40**

* Please consult Gates Carbon Drive Technical Manual if designing with a coaster brake.

** Non-Japanese model only.