



Part Number	FND 453 Z
Type	Complete Freewheel Clutch Unit
Spring	Z (Tension)
Sealed	Yes
Lubrication	Oil
Inner Ring Keyway	Yes
Outer Ring Keyway	No
Integrated Ball Bearing	Yes
Integrated Roller Bearing	Yes

Shaft & Housing Tolerances

Shaft Tolerance	k5
Housing Tolerance	H6
Shaft & Housing Chamfer	1mm x 15°

Geometrical Data

Bore Diameter	d [mm]	25
Outer Diameter	D [mm]	58
Width	W [mm]	34
Inner Ring Keyway Width	b [mm]	8
Inner Ring Keyway Depth	t [mm]	3.3
Weight	[kg]	0.46

Ratings

Nominal Torque	[Nm]	314
Nominal Torque	[ft-lb]	231.6
Max. Static Radial Load	[N]	13,577
Max. Dynamic Radial Load	[N]	11,417
Max. Indexing Frequency	[Hz]	10
Max. Speed	[rpm]	1,200
Max. Operating Temperature	[°C]	110

Notes:

- The stated speed and torque ratings are contingent on utilizing specified tolerances, correct installation techniques, and operating temperature and load conditions below the specified maximums. If specific applications differ, please consult GMN USA engineers.