



Part Number	FE 8083 Z 25
Type	Freewheel Clutch Insert Element
Spring	Z (Tension)
With Hardened Steel Rings	No

Geometrical Data

Inner Diameter	d [mm]	83.34
Outer Diameter	D [mm]	100.00
Width	W [mm]	25
Weight	[kg]	0.245

Shaft & Housing Tolerances

Shaft Tolerance	h6
Housing Tolerance	H6
Shaft & Housing Hardness	HRC 60 ⁺⁴ , Ehd ¹ ≥ 1.3 mm
Shaft & Housing Surface	R _z ≤ 2.5 μm
Shaft & Housing Chamfer	1mm x 15°

Ratings

Nominal Torque	[Nm]	3,640
Nominal Torque	[ft-lb]	2,684.7
Max. Indexing Frequency	[Hz]	5
Max. Operating Temperature	[°C]	170

Notes:

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