



Part Number	<b>FE 8100 Z 25</b>
Type	Freewheel Clutch Insert Element
Spring	Z (Tension)
With Hardened Steel Rings	No

**Geometrical Data**

Inner Diameter	d [mm]	100.00
Outer Diameter	D [mm]	116.66
Width	W [mm]	25
Weight	[kg]	0.306

**Shaft & Housing Tolerances**

Shaft Tolerance	h6
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
Shaft & Housing Chamfer	1mm x 15°

**Ratings**

Nominal Torque	[Nm]	4,535
Nominal Torque	[ft-lb]	3,344.8
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.