



|                           |                                |
|---------------------------|--------------------------------|
| Part Number               | <b>FND 473 Z</b>               |
| 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                            |

### Geometrical Data

|                         |        |      |
|-------------------------|--------|------|
| Bore Diameter           | d [mm] | 45   |
| Outer Diameter          | D [mm] | 78   |
| Width                   | W [mm] | 34   |
| Inner Ring Keyway Width | b [mm] | 14   |
| Inner Ring Keyway Depth | t [mm] | 3.8  |
| Weight                  | [kg]   | 0.73 |

### Shaft & Housing Tolerances

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

### Ratings

|                            |         |        |
|----------------------------|---------|--------|
| Nominal Torque             | [Nm]    | 543    |
| Nominal Torque             | [ft-lb] | 400.5  |
| Max. Static Radial Load    | [N]     | 19,896 |
| Max. Dynamic Radial Load   | [N]     | 14,128 |
| Max. Indexing Frequency    | [Hz]    | 10     |
| Max. Speed                 | [rpm]   | 1,000  |
| Max. Operating Temperature | [°C]    | 110    |

### Notes:

1. 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.