



EAGLE PD™ SPROCKET



Part No: Y-28S-H

- Y Yellow = 8 mm Pitch, 16 mm Width
- 28 28 Teeth
- S Sprocket
- H Hub/Bushing Type

SPROCKET COMBINATIONS TO FIT YOUR DRIVE SYSTEM'S NEEDS

Eagle Pd sprockets have been designed to insure maximum service life and performance. Over 1,000 sprocket combinations are available, making it easier to match the desired design speed. More speed ratio options also means more design flexibility and more compact drives.

Eagle sprockets do not require flanges and are stocked in ductile iron constructions. Other materials such as aluminum, steel and stainless steel are available upon request as made-to-order items.

MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

The part numbering system for Eagle Pd centers around a color-coded sizing system for the belts and sprockets. Each belt and sprocket part number includes a letter corresponding to a color and is also branded in that color. The letters Y, W, P, B, G, O, and R indicate the colors Yellow, White, Purple, Blue, Green, Orange, and Red. All Yellow belts are designed to function with all Yellow sprockets, as is the case for the White, Purple, Blue, Green, Orange and Red sizes. An example of the part numbering system nomenclature for sprockets and bushings is given below.

SPROCKET PART NUMBER NOMENCLATURE

Minimum Plain Bore, MPB: O-40S-MPB

This is an Orange size sprocket with 40 teeth and a Minimum Plain Bore (MPB) style hub. The MPB style sprockets are supplied as is with a minimum bore, typically 1/2" or 1" with H7 tolerances, and will require machining of a keyway and setscrew holes, and possibly boring to a desired bore size.

APPLICATIONS

Goodyear Eagle Pd belts and sprockets are ideal for use on a wide variety of applications in all industries.

KEY FEATURES & BENEFITS

- More design flexibility with more compact drives.
- No flanges.
- Self-tracking design.
- Available in ductile iron, aluminum, steel, or stainless steel.

SYNCHRONOUS

Quick Disconnect, QD:

R-168S-N

This is a Red size sprocket with 168 teeth and a hub machined to fit an "N" size QD bushing. A bushing is required to install this sprocket on a shaft. Please note that smaller diameter sprockets are not available in the QD style due to space limitations.

Finished Stock Bore, FSB:

G-34S-1 7/8

This is a Green size sprocket with 34 teeth and a Finished Stock Bore (FSB) style hub featuring a bore of 1 7/8". FSB sprockets are supplied ready to install with a standard keyway and setscrew holes machined.

Bored To Suit, BTS:

B-28S-BTS-1 13/16

This is a Blue size sprocket with 28 teeth and a hub that has been bored (BTS) to 1 13/16", per customer specification, and machined for setscrew holes and a keyway. BTS sprockets can be made to almost any bore including metric sizes.

Note: All MPB-, QD-, and FSB-style sprockets are stock items. BTS sprockets are made to order and may require longer lead times.

BUSHING PART NUMBER NOMENCLATURE

E 2 1/8:

E Bushing Size
2 1/8 Bushing Bore

Bushings are supplied with bolts, lock washers, and set screws. Keys are supplied only if a special shallow key is required. The E 2 1/8" bushing can be used to install any sprocket with an "E" hub on a 2 1/8" shaft. The QD bushing system is an industry standard, however, to ensure the best match between sprocket and bushing, we recommend using bushings supplied by Goodyear for Eagle Pd sprockets.