

# PosiClean® Sprockets

## PosiClean Sprocket Specifications

|                                |                              |            | PC20  |       |       |       |       | PC10 |      |      |      |      |
|--------------------------------|------------------------------|------------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Tooth Count                    |                              |            | 6     | 8     | 10    | 12    | 16    | 6    | 8    | 10   | 12   | 20   |
| Outside Diameter<br>(Nominal*) |                              | inch       | 3.7   | 4.9   | 6.2   | 7.5   | 10.0  | 1.9  | 2.5  | 3.2  | 3.8  | 6.4  |
|                                |                              | mm         | 94    | 129   | 157   | 191   | 254   | 48   | 64   | 81   | 97   | 163  |
| Width<br>(Nominal)             |                              | inch       | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1    | 1    | 1    | 1    | 1    |
|                                |                              | mm         | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| Bore Size                      | Imperial                     | square, in | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | N/A  | N/A  | 1.5  | 1.5  | 1.5  |
|                                |                              | round, in  | 1     | 1     | 1     | 1     | 1     | 1    | 1    | N/A  | N/A  | N/A  |
|                                | Metric                       | square, mm | 40    | 40    | 40    | 40    | 40    | N/A  | N/A  | 40   | 40   | 40   |
|                                |                              | round, mm  | 30    | 30    | 30    | 30    | 30    | 30   | 30   | N/A  | N/A  | N/A  |
| In Stock (Square Bore Only)    | (F = Flange, NF = No Flange) |            | F, NF | F, NF | F, NF | F, NF | F, NF |      |      | NF   | NF   | NF   |
| Weight                         |                              | (lbs)      | .32   | .68   | .57   | .75   | 3.1   | .06  | .12  | .17  | .30  | .99  |

\* Imperial keyway sizes on round bores conform to ANSI standard B17.1 - 1967 (R1989); metric keyway sizes conform to BS 4235: Part 1: 1972 (1986)

For pulleys with flanges, add .196" to outside diameter to get flange diameter.

### Notes:

- Injection molded pulleys - acetal, machined pulleys - UHMW-PE
- Sprockets must be locked into position on the shaft.
- PC10 belting can run on some competitor's plastic modular belting with 8, 10, 12 and 20 tooth sprockets.
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## PosiClean Sprocket & Support Guidelines (PC20 and PC10)

| Belt Width  | 6"<br>(152 mm) | 9"<br>(229 mm) | 12"<br>(305 mm) | 15"<br>(381 mm) | 18"<br>(457 mm) | 21"<br>(533 mm) | 24"<br>(610 mm) | 27"<br>(686 mm) | 30"<br>(762 mm) | 36"<br>(914 mm) | 40"<br>(1016 mm) | 45"<br>(1143 mm) | 48"<br>(1219 mm) |
|---|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| Min. No. Sprockets<br>Max. 5" (127 mm)<br>spacing center to center                      | 3              | 3              | 4               | 4               | 5               | 6               | 6               | 7               | 7               | 8               | 9                | 10               | 11               |
| No. of Sprockets for max.<br>allow. tension Max. 3" (76 mm)<br>spacing center to center | 3              | 4              | 5               | 6               | 7               | 8               | 9               | 10              | 11              | 13              | 15               | 16               | 17               |
| Min. No. Carryway Supports<br>6" (152 mm)<br>spacing center to center                   | 2              | 3              | 3               | 4               | 4               | 5               | 5               | 6               | 6               | 7               | 8                | 9                | 9                |