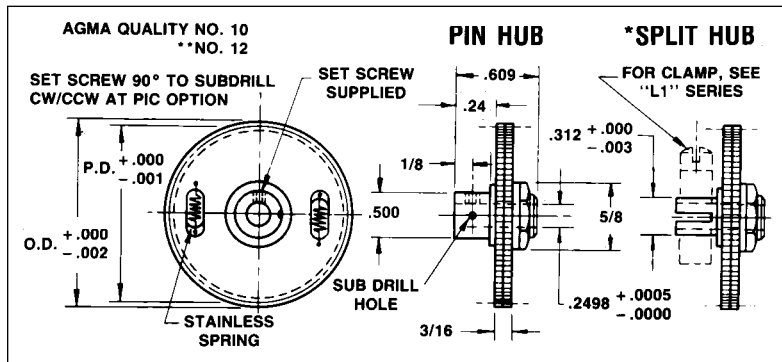


# ANTI-BACKLASH GEAR-24 PITCH — $\frac{3}{16}$ " Face Width ■ 20° Pressure Angle

Interchangeable Design ■ Pin Hub —  $\frac{1}{4}$ " Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Gear Data |        |       | Stainless Steel<br>Part No. | Aluminum<br>Part No. |
|-----------|--------|-------|-----------------------------|----------------------|
| No. Teeth | P.D.   | O.D.  |                             |                      |
| 30        | 1.2500 | 1.333 | P7-2-30                     | P4-2-30              |
| 35        | 1.4583 | 1.541 | P7-2-35                     | P4-2-35              |
| 36        | 1.5000 | 1.583 | P7-2-36                     | P4-2-36              |
| 40        | 1.6666 | 1.750 | P7-2-40                     | P4-2-40              |
| 42        | 1.7500 | 1.833 | P7-2-42                     | P4-2-42              |
| 45        | 1.8750 | 1.958 | P7-2-45                     | P4-2-45              |
| 48        | 2.0000 | 2.083 | P7-2-48                     | P4-2-48              |
| 50        | 2.0833 | 2.166 | P7-2-50                     | P4-2-50              |
| 54        | 2.2500 | 2.333 | P7-2-54                     | P4-2-54              |
| 55        | 2.2910 | 2.375 | P7-2-55                     | P4-2-55              |
| 60        | 2.5000 | 2.583 | P7-2-60                     | P4-2-60              |
| 65        | 2.7083 | 2.793 | P7-2-65                     | P4-2-65              |
| 66        | 2.7500 | 2.833 | P7-2-66                     | P4-2-66              |

Other Size Bores Available. Consult Factory.

Additional anti-backlash styles can be found  
on other pages in this section

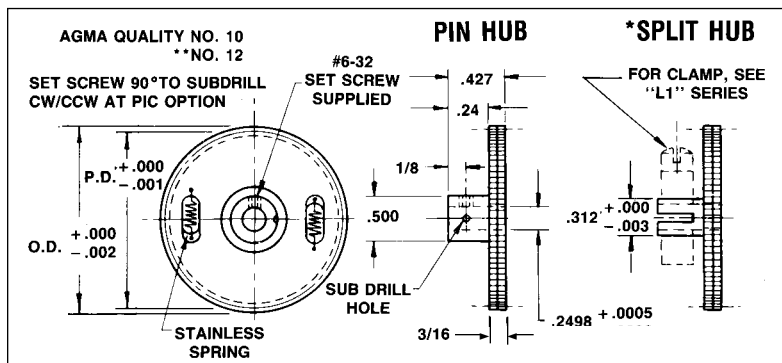
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 43 Tooth Gear, Specify Part Number P7-2-43.

# ANTI-BACKLASH GEAR-24 PITCH — $\frac{3}{16}$ " Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub —  $\frac{1}{4}$ " Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Gear Data |        |       | Stainless Steel<br>Part No. | Aluminum<br>Part No. |
|-----------|--------|-------|-----------------------------|----------------------|
| No. Teeth | P.D.   | O.D.  |                             |                      |
| 30        | 1.2500 | 1.333 | P17-2-30                    | P14-2-30             |
| 35        | 1.4583 | 1.541 | P17-2-35                    | P14-2-35             |
| 36        | 1.5000 | 1.583 | P17-2-36                    | P14-2-36             |
| 40        | 1.6666 | 1.750 | P17-2-40                    | P14-2-40             |
| 42        | 1.7500 | 1.833 | P17-2-42                    | P14-2-42             |
| 45        | 1.8750 | 1.958 | P17-2-45                    | P14-2-45             |
| 48        | 2.0000 | 2.083 | P17-2-48                    | P14-2-48             |
| 50        | 2.0833 | 2.166 | P17-2-50                    | P14-2-50             |
| 54        | 2.2500 | 2.333 | P17-2-54                    | P14-2-54             |
| 55        | 2.2910 | 2.375 | P17-2-55                    | P14-2-55             |
| 60        | 2.5000 | 2.583 | P17-2-60                    | P14-2-60             |
| 65        | 2.7083 | 2.793 | P17-2-65                    | P14-2-65             |
| 66        | 2.7500 | 2.833 | P17-2-66                    | P14-2-66             |

Other Size Bores Available. Consult Factory.

Additional anti-backlash styles can be found  
on other pages in this section

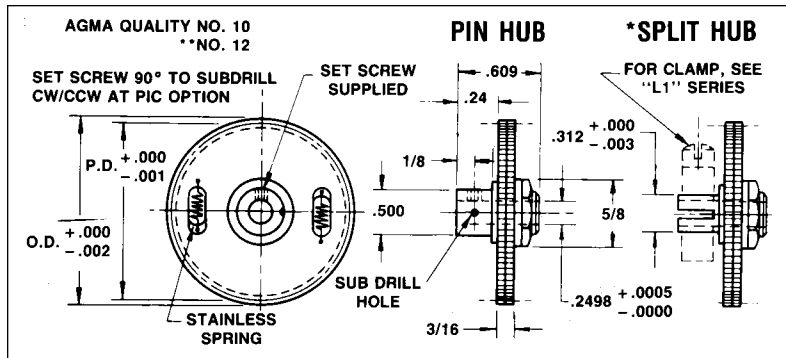
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 43 Tooth Gear, Specify Part Number P17-2-43.

# ANTI-BACKLASH GEAR-32 PITCH — $\frac{3}{16}$ " Face Width ■ 20° Pressure Angle

Interchangeable Design ■ Pin Hub —  $\frac{1}{4}$ " Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears Add -Q12 to Part No.

| Gear Data |        |       | Stainless Steel<br>Part No. | Aluminum<br>Part No. |
|-----------|--------|-------|-----------------------------|----------------------|
| No. Teeth | P.D.   | O.D.  |                             |                      |
| 40        | 1.2500 | 1.312 | P7-4-40                     | P4-4-40              |
| 45        | 1.4060 | 1.468 | P7-4-45                     | P4-4-45              |
| 48        | 1.5000 | 1.562 | P7-4-48                     | P4-4-48              |
| 50        | 1.5625 | 1.625 | P7-4-50                     | P4-4-50              |
| 55        | 1.7187 | 1.781 | P7-4-55                     | P4-4-55              |
| 56        | 1.7500 | 1.812 | P7-4-56                     | P4-4-56              |
| 60        | 1.8750 | 1.937 | P7-4-60                     | P4-4-60              |
| 64        | 2.0000 | 2.062 | P7-4-64                     | P4-4-64              |
| 65        | 2.0325 | 2.093 | P7-4-65                     | P4-4-65              |
| 70        | 2.1875 | 2.250 | P7-4-70                     | P4-4-70              |
| 72        | 2.2500 | 2.312 | P7-4-72                     | P4-4-72              |
| 75        | 2.3438 | 2.406 | P7-4-75                     | P4-4-75              |
| 80        | 2.5000 | 2.562 | P7-4-80                     | P4-4-80              |
| 85        | 2.6563 | 2.718 | P7-4-85                     | P4-4-85              |

Other Size Bores Available. Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

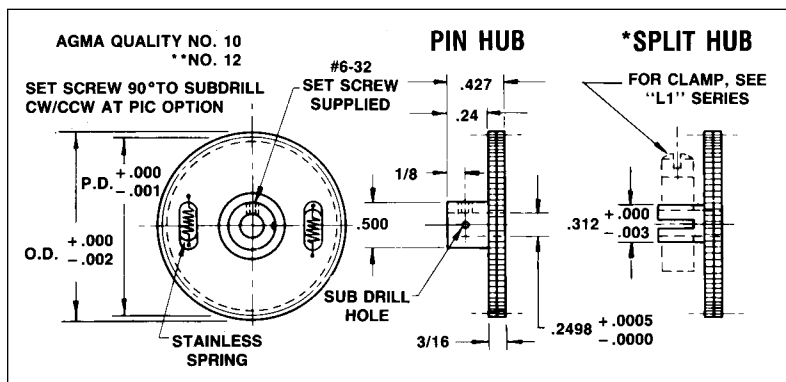
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 43 Tooth Gear, Specify Part Number P7-4-43.

# ANTI-BACKLASH GEAR-32 PITCH — $\frac{3}{16}$ " Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub —  $\frac{1}{4}$ " Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears Add -Q12 to Part No.

| Gear Data |        |       | Stainless Steel<br>Part No. | Aluminum<br>Part No. |
|-----------|--------|-------|-----------------------------|----------------------|
| No. Teeth | P.D.   | O.D.  |                             |                      |
| 40        | 1.2500 | 1.312 | P17-4-40                    | P14-4-40             |
| 45        | 1.4060 | 1.468 | P17-4-45                    | P14-4-45             |
| 48        | 1.5000 | 1.562 | P17-4-48                    | P14-4-48             |
| 50        | 1.5625 | 1.625 | P17-4-50                    | P14-4-50             |
| 55        | 1.7187 | 1.781 | P17-4-55                    | P14-4-55             |
| 56        | 1.7500 | 1.812 | P17-4-56                    | P14-4-56             |
| 60        | 1.8750 | 1.937 | P17-4-60                    | P14-4-60             |
| 64        | 2.0000 | 2.062 | P17-4-64                    | P14-4-64             |
| 65        | 2.0325 | 2.093 | P17-4-65                    | P14-4-65             |
| 70        | 2.1875 | 2.250 | P17-4-70                    | P14-4-70             |
| 72        | 2.2500 | 2.312 | P17-4-72                    | P14-4-72             |
| 75        | 2.3438 | 2.406 | P17-4-75                    | P14-4-75             |
| 80        | 2.5000 | 2.562 | P17-4-80                    | P14-4-80             |
| 85        | 2.6563 | 2.718 | P17-4-85                    | P14-4-85             |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

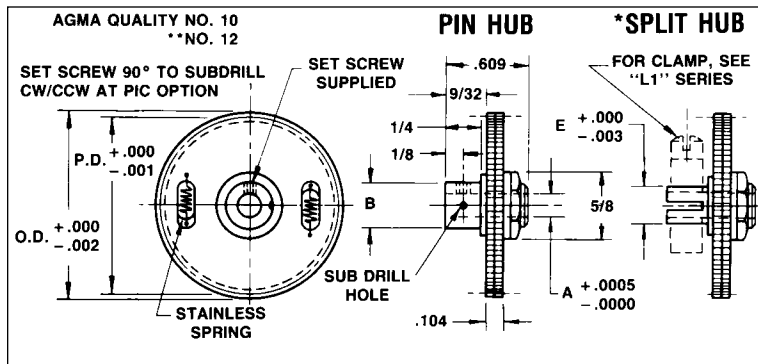
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 43 Tooth Gear, Specify Part Number P17-4-43.

# ANTI-BACKLASH GEAR-48 PITCH — .104" Face Width ■ 20° Pressure Angle

Interchangeable Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 135 Tooth Gear, Specify Part Number P5-1-135.

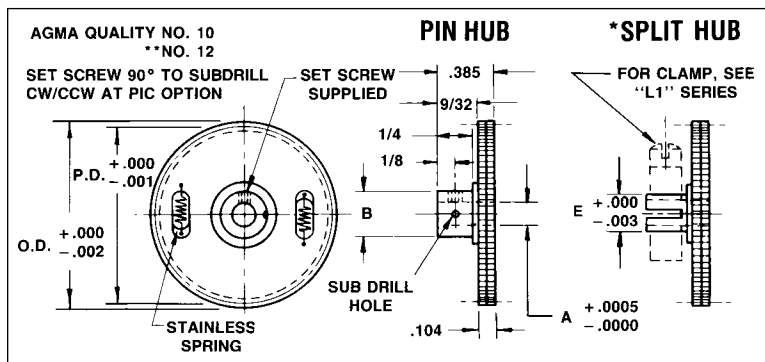
| Gear Data |        |       | Stainless Steel Part No. Bore Size |          |          | Aluminum Part No. Bore Size |          |          |
|-----------|--------|-------|------------------------------------|----------|----------|-----------------------------|----------|----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873    | .2498    | .1248                       | .1873    | .2498    |
| 65        | 1.3541 | 1.396 | P5-1-65                            | P6-1-65  | P7-1-65  | P2-1-65                     | P3-1-65  | P4-1-65  |
| 70        | 1.4583 | 1.500 | P5-1-70                            | P6-1-70  | P7-1-70  | P2-1-70                     | P3-1-70  | P4-1-70  |
| 72        | 1.5000 | 1.542 | P5-1-72                            | P6-1-72  | P7-1-72  | P2-1-72                     | P3-1-72  | P4-1-72  |
| 75        | 1.5625 | 1.604 | P5-1-75                            | P6-1-75  | P7-1-75  | P2-1-75                     | P3-1-75  | P4-1-75  |
| 80        | 1.6667 | 1.708 | P5-1-80                            | P6-1-80  | P7-1-80  | P2-1-80                     | P3-1-80  | P4-1-80  |
| 84        | 1.7500 | 1.792 | P5-1-84                            | P6-1-84  | P7-1-84  | P2-1-84                     | P3-1-84  | P4-1-84  |
| 85        | 1.7708 | 1.812 | P5-1-85                            | P6-1-85  | P7-1-85  | P2-1-85                     | P3-1-85  | P4-1-85  |
| 90        | 1.8750 | 1.916 | P5-1-90                            | P6-1-90  | P7-1-90  | P2-1-90                     | P3-1-90  | P4-1-90  |
| 95        | 1.9791 | 2.021 | P5-1-95                            | P6-1-95  | P7-1-95  | P2-1-95                     | P3-1-95  | P4-1-95  |
| 96        | 2.0000 | 2.042 | P5-1-96                            | P6-1-96  | P7-1-96  | P2-1-96                     | P3-1-96  | P4-1-96  |
| 100       | 2.0833 | 2.125 | P5-1-100                           | P6-1-100 | P7-1-100 | P2-1-100                    | P3-1-100 | P4-1-100 |
| 105       | 2.1875 | 2.229 | P5-1-105                           | P6-1-105 | P7-1-105 | P2-1-105                    | P3-1-105 | P4-1-105 |
| 110       | 2.2916 | 2.333 | P5-1-110                           | P6-1-110 | P7-1-110 | P2-1-110                    | P3-1-110 | P4-1-110 |
| 115       | 2.3958 | 2.438 | P5-1-115                           | P6-1-115 | P7-1-115 | P2-1-115                    | P3-1-115 | P4-1-115 |
| 120       | 2.5000 | 2.541 | P5-1-120                           | P6-1-120 | P7-1-120 | P2-1-120                    | P3-1-120 | P4-1-120 |
| 125       | 2.6041 | 2.646 | P5-1-125                           | P6-1-125 | P7-1-125 | P2-1-125                    | P3-1-125 | P4-1-125 |
| 130       | 2.7083 | 2.750 | P5-1-130                           | P6-1-130 | P7-1-130 | P2-1-130                    | P3-1-130 | P4-1-130 |
| 132       | 2.7500 | 2.791 | P5-1-132                           | P6-1-132 | P7-1-132 | P2-1-132                    | P3-1-132 | P4-1-132 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

# ANTI-BACKLASH GEAR-48 PITCH — .104" Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| 65        | 1.3541 | 1.396 | P15-1-65                           | P16-1-65  | P17-1-65  | P12-1-65                    | P13-1-65  | P14-1-65  |
| 70        | 1.4583 | 1.500 | P15-1-70                           | P16-1-70  | P17-1-70  | P12-1-70                    | P13-1-70  | P14-1-70  |
| 72        | 1.5000 | 1.542 | P15-1-72                           | P16-1-72  | P17-1-72  | P12-1-72                    | P13-1-72  | P14-1-72  |
| 75        | 1.5625 | 1.604 | P15-1-75                           | P16-1-75  | P17-1-75  | P12-1-75                    | P13-1-75  | P14-1-75  |
| 80        | 1.6667 | 1.708 | P15-1-80                           | P16-1-80  | P17-1-80  | P12-1-80                    | P13-1-80  | P14-1-80  |
| 84        | 1.7500 | 1.792 | P15-1-84                           | P16-1-84  | P17-1-84  | P12-1-84                    | P13-1-84  | P14-1-84  |
| 85        | 1.7708 | 1.812 | P15-1-85                           | P16-1-85  | P17-1-85  | P12-1-85                    | P13-1-85  | P14-1-85  |
| 90        | 1.8750 | 1.916 | P15-1-90                           | P16-1-90  | P17-1-90  | P12-1-90                    | P13-1-90  | P14-1-90  |
| 95        | 1.9791 | 2.021 | P15-1-95                           | P16-1-95  | P17-1-95  | P12-1-95                    | P13-1-95  | P14-1-95  |
| 96        | 2.0000 | 2.042 | P15-1-96                           | P16-1-96  | P17-1-96  | P12-1-96                    | P13-1-96  | P14-1-96  |
| 100       | 2.0833 | 2.125 | P15-1-100                          | P16-1-100 | P17-1-100 | P12-1-100                   | P13-1-100 | P14-1-100 |
| 105       | 2.1875 | 2.229 | P15-1-105                          | P16-1-105 | P17-1-105 | P12-1-105                   | P13-1-105 | P14-1-105 |
| 110       | 2.2916 | 2.333 | P15-1-110                          | P16-1-110 | P17-1-110 | P12-1-110                   | P13-1-110 | P14-1-110 |
| 115       | 2.3958 | 2.438 | P15-1-115                          | P16-1-115 | P17-1-115 | P12-1-115                   | P13-1-115 | P14-1-115 |
| 120       | 2.5000 | 2.541 | P15-1-120                          | P16-1-120 | P17-1-120 | P12-1-120                   | P13-1-120 | P14-1-120 |
| 125       | 2.6041 | 2.646 | P15-1-125                          | P16-1-125 | P17-1-125 | P12-1-125                   | P13-1-125 | P14-1-125 |
| 130       | 2.7083 | 2.750 | P15-1-130                          | P16-1-130 | P17-1-130 | P12-1-130                   | P13-1-130 | P14-1-130 |
| 132       | 2.7500 | 2.791 | P15-1-132                          | P16-1-132 | P17-1-132 | P12-1-132                   | P13-1-132 | P14-1-132 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

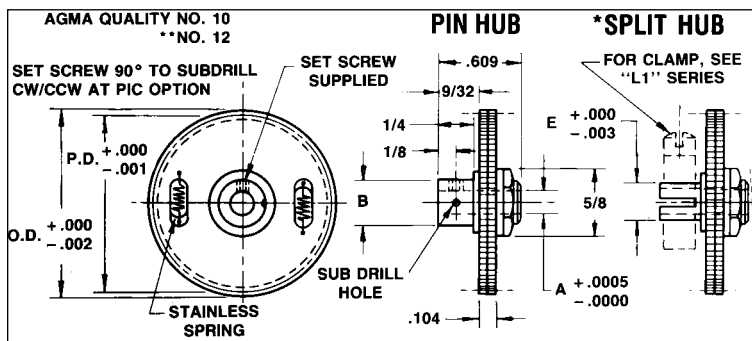
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 135 Tooth Gear, Specify Part Number P15-1-135.

# ANTI-BACKLASH GEAR-64 PITCH — .104" Face Width ■ 20° Pressure Angle

Interchangeable Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |          |          | Aluminum Part No. Bore Size |          |          |
|-----------|--------|-------|------------------------------------|----------|----------|-----------------------------|----------|----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873    | .2498    | .1248                       | .1873    | .2498    |
| 85        | 1.3281 | 1.359 | P5-3-85                            | P6-3-85  | P7-3-85  | P2-3-85                     | P3-3-85  | P4-3-85  |
| 90        | 1.4063 | 1.438 | P5-3-90                            | P6-3-90  | P7-3-90  | P2-3-90                     | P3-3-90  | P4-3-90  |
| 95        | 1.4844 | 1.516 | P5-3-95                            | P6-3-95  | P7-3-95  | P2-3-95                     | P3-3-95  | P4-3-95  |
| 96        | 1.5000 | 1.531 | P5-3-96                            | P6-3-96  | P7-3-96  | P2-3-96                     | P3-3-96  | P4-3-96  |
| 100       | 1.5625 | 1.594 | P5-3-100                           | P6-3-100 | P7-3-100 | P2-3-100                    | P3-3-100 | P4-3-100 |
| 105       | 1.6406 | 1.672 | P5-3-105                           | P6-3-105 | P7-3-105 | P2-3-105                    | P3-3-105 | P4-3-105 |
| 108       | 1.6875 | 1.718 | P5-3-108                           | P6-3-108 | P7-3-108 | P2-3-108                    | P3-3-108 | P4-3-108 |
| 110       | 1.7187 | 1.750 | P5-3-110                           | P6-3-110 | P7-3-110 | P2-3-110                    | P3-3-110 | P4-3-110 |
| 115       | 1.7969 | 1.828 | P5-3-115                           | P6-3-115 | P7-3-115 | P2-3-115                    | P3-3-115 | P4-3-115 |
| 120       | 1.8750 | 1.906 | P5-3-120                           | P6-3-120 | P7-3-120 | P2-3-120                    | P3-3-120 | P4-3-120 |
| 125       | 1.9531 | 1.984 | P5-3-125                           | P6-3-125 | P7-3-125 | P2-3-125                    | P3-3-125 | P4-3-125 |
| 128       | 2.0000 | 2.031 | P5-3-128                           | P6-3-128 | P7-3-128 | P2-3-128                    | P3-3-128 | P4-3-128 |
| 130       | 2.0312 | 2.063 | P5-3-130                           | P6-3-130 | P7-3-130 | P2-3-130                    | P3-3-130 | P4-3-130 |
| 140       | 2.1875 | 2.219 | P5-3-140                           | P6-3-140 | P7-3-140 | P2-3-140                    | P3-3-140 | P4-3-140 |
| 150       | 2.3438 | 2.375 | P5-3-150                           | P6-3-150 | P7-3-150 | P2-3-150                    | P3-3-150 | P4-3-150 |
| 160       | 2.5000 | 2.531 | P5-3-160                           | P6-3-160 | P7-3-160 | P2-3-160                    | P3-3-160 | P4-3-160 |
| 170       | 2.6563 | 2.688 | P5-3-170                           | P6-3-170 | P7-3-170 | P2-3-170                    | P3-3-170 | P4-3-170 |
| 176       | 2.7500 | 2.781 | P5-3-176                           | P6-3-176 | P7-3-176 | P2-3-176                    | P3-3-176 | P4-3-176 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

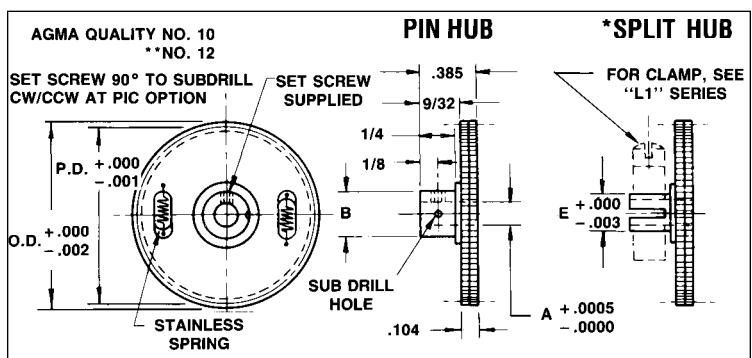
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P5-3-155.

# ANTI-BACKLASH GEAR-64 PITCH — .104" Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| 85        | 1.3281 | 1.359 | P15-3-85                           | P16-3-85  | P17-3-85  | P12-3-85                    | P13-3-85  | P14-3-85  |
| 90        | 1.4063 | 1.438 | P15-3-90                           | P16-3-90  | P17-3-90  | P12-3-90                    | P13-3-90  | P14-3-90  |
| 95        | 1.4844 | 1.516 | P15-3-95                           | P16-3-95  | P17-3-95  | P12-3-95                    | P13-3-95  | P14-3-95  |
| 96        | 1.5000 | 1.531 | P15-3-96                           | P16-3-96  | P17-3-96  | P12-3-96                    | P13-3-96  | P14-3-96  |
| 100       | 1.5625 | 1.594 | P15-3-100                          | P16-3-100 | P17-3-100 | P12-3-100                   | P13-3-100 | P14-3-100 |
| 105       | 1.6406 | 1.672 | P15-3-105                          | P16-3-105 | P17-3-105 | P12-3-105                   | P13-3-105 | P14-3-105 |
| 108       | 1.6875 | 1.718 | P15-3-108                          | P16-3-108 | P17-3-108 | P12-3-108                   | P13-3-108 | P14-3-108 |
| 110       | 1.7187 | 1.750 | P15-3-110                          | P16-3-110 | P17-3-110 | P12-3-110                   | P13-3-110 | P14-3-110 |
| 115       | 1.7969 | 1.828 | P15-3-115                          | P16-3-115 | P17-3-115 | P12-3-115                   | P13-3-115 | P14-3-115 |
| 120       | 1.8750 | 1.906 | P15-3-120                          | P16-3-120 | P17-3-120 | P12-3-120                   | P13-3-120 | P14-3-120 |
| 125       | 1.9531 | 1.984 | P15-3-125                          | P16-3-125 | P17-3-125 | P12-3-125                   | P13-3-125 | P14-3-125 |
| 128       | 2.0000 | 2.031 | P15-3-128                          | P16-3-128 | P17-3-128 | P12-3-128                   | P13-3-128 | P14-3-128 |
| 130       | 2.0312 | 2.063 | P15-3-130                          | P16-3-130 | P17-3-130 | P12-3-130                   | P13-3-130 | P14-3-130 |
| 140       | 2.1875 | 2.219 | P15-3-140                          | P16-3-140 | P17-3-140 | P12-3-140                   | P13-3-140 | P14-3-140 |
| 150       | 2.3438 | 2.375 | P15-3-150                          | P16-3-150 | P17-3-150 | P12-3-150                   | P13-3-150 | P14-3-150 |
| 160       | 2.5000 | 2.531 | P15-3-160                          | P16-3-160 | P17-3-160 | P12-3-160                   | P13-3-160 | P14-3-160 |
| 170       | 2.6563 | 2.688 | P15-3-170                          | P16-3-170 | P17-3-170 | P12-3-170                   | P13-3-170 | P14-3-170 |
| 176       | 2.7500 | 2.781 | P15-3-176                          | P16-3-176 | P17-3-176 | P12-3-176                   | P13-3-176 | P14-3-176 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

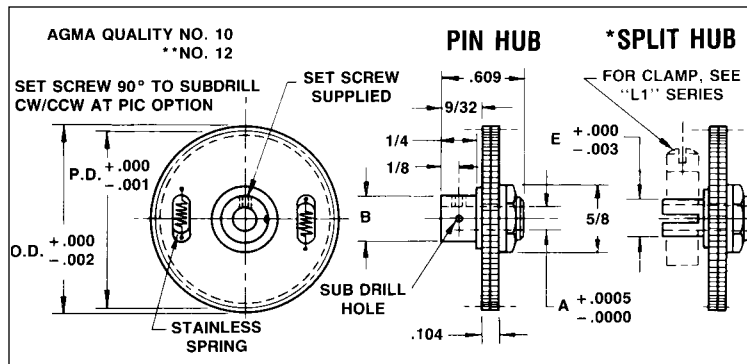
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P15-3-155.

# ANTI-BACKLASH GEAR-72 PITCH — .104" Face Width ■ 20° Pressure Angle

Interchangeable Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)

Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P5-5-155.

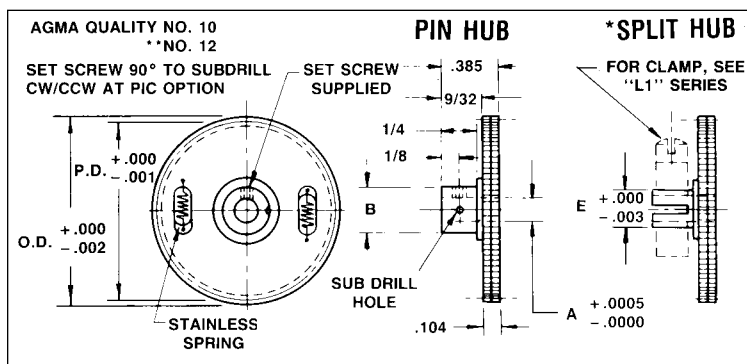
| Gear Data |        |       | Stainless Steel Part No. Bore Size |          |          | Aluminum Part No. Bore Size |          |          |
|-----------|--------|-------|------------------------------------|----------|----------|-----------------------------|----------|----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873    | .2498    | .1248                       | .1873    | .2498    |
| 100       | 1.3888 | 1.417 | P5-5-100                           | P6-5-100 | P7-5-100 | P2-5-100                    | P3-5-100 | P4-5-100 |
| 105       | 1.4583 | 1.486 | P5-5-105                           | P6-5-105 | P7-5-105 | P2-5-105                    | P3-5-105 | P4-5-105 |
| 108       | 1.5000 | 1.528 | P5-5-108                           | P6-5-108 | P7-5-108 | P2-5-108                    | P3-5-108 | P4-5-108 |
| 110       | 1.5277 | 1.556 | P5-5-110                           | P6-5-110 | P7-5-110 | P2-5-110                    | P3-5-110 | P4-5-110 |
| 115       | 1.5972 | 1.625 | P5-5-115                           | P6-5-115 | P7-5-115 | P2-5-115                    | P3-5-115 | P4-5-115 |
| 120       | 1.6666 | 1.695 | P5-5-120                           | P6-5-120 | P7-5-120 | P2-5-120                    | P3-5-120 | P4-5-120 |
| 125       | 1.7360 | 1.764 | P5-5-125                           | P6-5-125 | P7-5-125 | P2-5-125                    | P3-5-125 | P4-5-125 |
| 130       | 1.8055 | 1.833 | P5-5-130                           | P6-5-130 | P7-5-130 | P2-5-130                    | P3-5-130 | P4-5-130 |
| 140       | 1.9444 | 1.972 | P5-5-140                           | P6-5-140 | P7-5-140 | P2-5-140                    | P3-5-140 | P4-5-140 |
| 144       | 2.0000 | 2.028 | P5-5-144                           | P6-5-144 | P7-5-144 | P2-5-144                    | P3-5-144 | P4-5-144 |
| 150       | 2.0833 | 2.111 | P5-5-150                           | P6-5-150 | P7-5-150 | P2-5-150                    | P3-5-150 | P4-5-150 |
| 160       | 2.2222 | 2.250 | P5-5-160                           | P6-5-160 | P7-5-160 | P2-5-160                    | P3-5-160 | P4-5-160 |
| 170       | 2.3611 | 2.389 | P5-5-170                           | P6-5-170 | P7-5-170 | P2-5-170                    | P3-5-170 | P4-5-170 |
| 180       | 2.5000 | 2.528 | P5-5-180                           | P6-5-180 | P7-5-180 | P2-5-180                    | P3-5-180 | P4-5-180 |
| 190       | 2.6388 | 2.667 | P5-5-190                           | P6-5-190 | P7-5-190 | P2-5-190                    | P3-5-190 | P4-5-190 |
| 200       | 2.7776 | 2.806 | P5-5-200                           | P6-5-200 | P7-5-200 | P2-5-200                    | P3-5-200 | P4-5-200 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

# ANTI-BACKLASH GEAR-72 PITCH — .104" Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:

Gears — 303 Stainless Steel  
2024-T4 Aluminum  
(Anodized Before Cutting)

Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.

\*\* AGMA 12 Gears Add -Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| 100       | 1.3888 | 1.417 | P15-5-100                          | P16-5-100 | P17-5-100 | P12-5-100                   | P13-5-100 | P14-5-100 |
| 105       | 1.4583 | 1.486 | P15-5-105                          | P16-5-105 | P17-5-105 | P12-5-105                   | P13-5-105 | P14-5-105 |
| 108       | 1.5000 | 1.528 | P15-5-108                          | P16-5-108 | P17-5-108 | P12-5-108                   | P13-5-108 | P14-5-108 |
| 110       | 1.5277 | 1.556 | P15-5-110                          | P16-5-110 | P17-5-110 | P12-5-110                   | P13-5-110 | P14-5-110 |
| 115       | 1.5972 | 1.625 | P15-5-115                          | P16-5-115 | P17-5-115 | P12-5-115                   | P13-5-115 | P14-5-115 |
| 120       | 1.6666 | 1.695 | P15-5-120                          | P16-5-120 | P17-5-120 | P12-5-120                   | P13-5-120 | P14-5-120 |
| 125       | 1.7360 | 1.764 | P15-5-125                          | P16-5-125 | P17-5-125 | P12-5-125                   | P13-5-125 | P14-5-125 |
| 130       | 1.8055 | 1.833 | P15-5-130                          | P16-5-130 | P17-5-130 | P12-5-130                   | P13-5-130 | P14-5-130 |
| 140       | 1.9444 | 1.972 | P15-5-140                          | P16-5-140 | P17-5-140 | P12-5-140                   | P13-5-140 | P14-5-140 |
| 144       | 2.0000 | 2.028 | P15-5-144                          | P16-5-144 | P17-5-144 | P12-5-144                   | P13-5-144 | P14-5-144 |
| 150       | 2.0833 | 2.111 | P15-5-150                          | P16-5-150 | P17-5-150 | P12-5-150                   | P13-5-150 | P14-5-150 |
| 160       | 2.2222 | 2.250 | P15-5-160                          | P16-5-160 | P17-5-160 | P12-5-160                   | P13-5-160 | P14-5-160 |
| 170       | 2.3611 | 2.389 | P15-5-170                          | P16-5-170 | P17-5-170 | P12-5-170                   | P13-5-170 | P14-5-170 |
| 180       | 2.5000 | 2.528 | P15-5-180                          | P16-5-180 | P17-5-180 | P12-5-180                   | P13-5-180 | P14-5-180 |
| 190       | 2.6388 | 2.667 | P15-5-190                          | P16-5-190 | P17-5-190 | P12-5-190                   | P13-5-190 | P14-5-190 |
| 200       | 2.7776 | 2.806 | P15-5-200                          | P16-5-200 | P17-5-200 | P12-5-200                   | P13-5-200 | P14-5-200 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

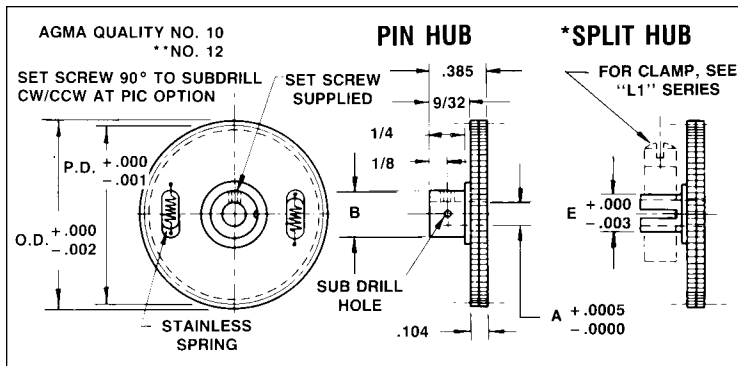
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P15-5-155.

# ANTI-BACKLASH GEAR-80 PITCH — .104" Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Black Anodize)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears add — Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
|           |        |       | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| No. Teeth | P.D.   | O.D.  |                                    |           |           |                             |           |           |
| 100       | 1.2500 | 1.275 | P15-6-100                          | P16-6-100 | P17-6-100 | P12-6-100                   | P13-6-100 | P14-6-100 |
| 105       | 1.3125 | 1.337 | P15-6-105                          | P16-6-105 | P17-6-105 | P12-6-105                   | P13-6-105 | P14-6-105 |
| 110       | 1.3750 | 1.400 | P15-6-110                          | P16-6-110 | P17-6-110 | P12-6-110                   | P13-6-110 | P14-6-110 |
| 115       | 1.4375 | 1.462 | P15-6-115                          | P16-6-115 | P17-6-115 | P12-6-115                   | P13-6-115 | P14-6-115 |
| 120       | 1.5000 | 1.525 | P15-6-120                          | P16-6-120 | P17-6-120 | P12-6-120                   | P13-6-120 | P14-6-120 |
| 125       | 1.5625 | 1.587 | P15-6-125                          | P16-6-125 | P17-6-125 | P12-6-125                   | P13-6-125 | P14-6-125 |
| 130       | 1.6250 | 1.650 | P15-6-130                          | P16-6-130 | P17-6-130 | P12-6-130                   | P13-6-130 | P14-6-130 |
| 135       | 1.6875 | 1.712 | P15-6-135                          | P16-6-135 | P17-6-135 | P12-6-135                   | P13-6-135 | P14-6-135 |
| 140       | 1.7500 | 1.775 | P15-6-140                          | P16-6-140 | P17-6-140 | P12-6-140                   | P13-6-140 | P14-6-140 |
| 145       | 1.8125 | 1.837 | P15-6-145                          | P16-6-145 | P17-6-145 | P12-6-145                   | P13-6-145 | P14-6-145 |
| 150       | 1.8750 | 1.900 | P15-6-150                          | P16-6-150 | P17-6-150 | P12-6-150                   | P13-6-150 | P14-6-150 |
| 160       | 2.0000 | 2.025 | P15-6-160                          | P16-6-160 | P17-6-160 | P12-6-160                   | P13-6-160 | P14-6-160 |
| 170       | 2.1250 | 2.150 | P15-6-170                          | P16-6-170 | P17-6-170 | P12-6-170                   | P13-6-170 | P14-6-170 |
| 180       | 2.2500 | 2.275 | P15-6-180                          | P16-6-180 | P17-6-180 | P12-6-180                   | P13-6-180 | P14-6-180 |
| 190       | 2.3750 | 2.400 | P15-6-190                          | P16-6-190 | P17-6-190 | P12-6-190                   | P13-6-190 | P14-6-190 |
| 200       | 2.5000 | 2.525 | P15-6-200                          | P16-6-200 | P17-6-200 | P12-6-200                   | P13-6-200 | P14-6-200 |
| 220       | 2.7500 | 2.775 | P15-6-220                          | P16-6-220 | P17-6-220 | P12-6-220                   | P13-6-220 | P14-6-220 |

Other Size Bores Available, Consult Factory.

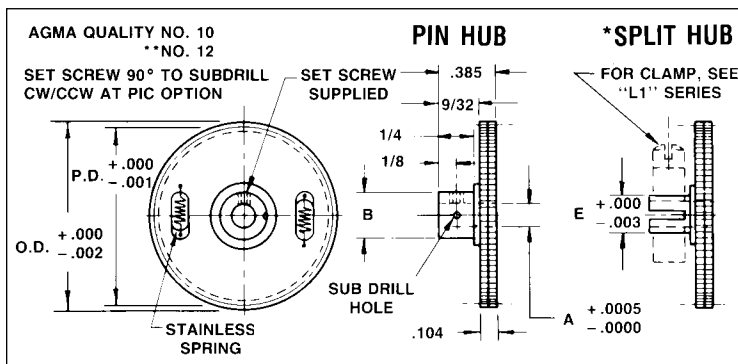
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P15-6-155.

# ANTI-BACKLASH GEAR-96 PITCH — .104" Face Width ■ 20° Pressure Angle

Compact Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Black Anodize)  
Hubs — 303 Stainless Steel

\* For Split Hub Add -C to Part No.  
\*\* AGMA 12 Gears add — Q12 to Part No.

| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| E         | .188  | .250  | .312  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
|           |        |       | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| No. Teeth | P.D.   | O.D.  |                                    |           |           |                             |           |           |
| 130       | 1.3541 | 1.375 | P15-7-130                          | P16-7-130 | P17-7-130 | P12-7-130                   | P13-7-130 | P14-7-130 |
| 135       | 1.4061 | 1.427 | P15-7-135                          | P16-7-135 | P17-7-135 | P12-7-135                   | P13-7-135 | P14-7-135 |
| 140       | 1.4583 | 1.479 | P15-7-140                          | P16-7-140 | P17-7-140 | P12-7-140                   | P13-7-140 | P14-7-140 |
| 144       | 1.5000 | 1.521 | P15-7-144                          | P16-7-144 | P17-7-144 | P12-7-144                   | P13-7-144 | P14-7-144 |
| 145       | 1.5104 | 1.531 | P15-7-145                          | P16-7-145 | P17-7-145 | P12-7-145                   | P13-7-145 | P14-7-145 |
| 150       | 1.5624 | 1.583 | P15-7-150                          | P16-7-150 | P17-7-150 | P12-7-150                   | P13-7-150 | P14-7-150 |
| 160       | 1.6666 | 1.687 | P15-7-160                          | P16-7-160 | P17-7-160 | P12-7-160                   | P13-7-160 | P14-7-160 |
| 170       | 1.7707 | 1.792 | P15-7-170                          | P16-7-170 | P17-7-170 | P12-7-170                   | P13-7-170 | P14-7-170 |
| 180       | 1.8750 | 1.896 | P15-7-180                          | P16-7-180 | P17-7-180 | P12-7-180                   | P13-7-180 | P14-7-180 |
| 190       | 1.9791 | 2.000 | P15-7-190                          | P16-7-190 | P17-7-190 | P12-7-190                   | P13-7-190 | P14-7-190 |
| 192       | 2.0000 | 2.021 | P15-7-192                          | P16-7-192 | P17-7-192 | P12-7-192                   | P13-7-192 | P14-7-192 |
| 200       | 2.0833 | 2.104 | P15-7-200                          | P16-7-200 | P17-7-200 | P12-7-200                   | P13-7-200 | P14-7-200 |
| 210       | 2.1874 | 2.208 | P15-7-210                          | P16-7-210 | P17-7-210 | P12-7-210                   | P13-7-210 | P14-7-210 |
| 220       | 2.2916 | 2.312 | P15-7-220                          | P16-7-220 | P17-7-220 | P12-7-220                   | P13-7-220 | P14-7-220 |
| 230       | 2.3958 | 2.416 | P15-7-230                          | P16-7-230 | P17-7-230 | P12-7-230                   | P13-7-230 | P14-7-230 |
| 240       | 2.5000 | 2.521 | P15-7-240                          | P16-7-240 | P17-7-240 | P12-7-240                   | P13-7-240 | P14-7-240 |
| 250       | 2.6040 | 2.625 | P15-7-250                          | P16-7-250 | P17-7-250 | P12-7-250                   | P13-7-250 | P14-7-250 |
| 260       | 2.7082 | 2.729 | P15-7-260                          | P16-7-260 | P17-7-260 | P12-7-260                   | P13-7-260 | P14-7-260 |
| 264       | 2.7500 | 2.771 | P15-7-264                          | P16-7-264 | P17-7-264 | P12-7-264                   | P13-7-264 | P14-7-264 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 155 Tooth Gear, Specify Part Number P15-7-155.

Phone: 800-243-6125 ■ FAX: 203-758-8271

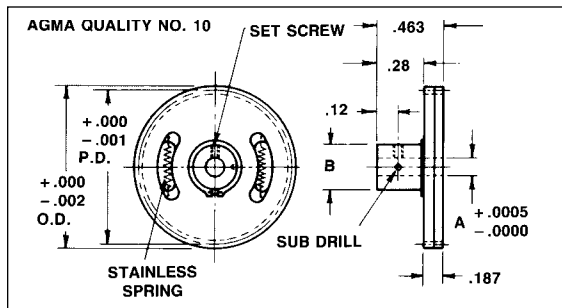
E-Mail: info@pic-design.com

**PIC** DESIGN

12-37

# ANTI-BACKLASH GEAR-24 PITCH — $\frac{3}{16}$ " Face Width ■ 20° Pressure Angle

Miniature Design ■ Pin Hub —  $\frac{3}{16}$ ",  $\frac{1}{4}$ " Bores



| Dimen.    | Bore  |       |
|-----------|-------|-------|
|           | 3/16  | 1/4   |
| A         | .1873 | .2498 |
| B         | .375  | .500  |
| Set Screw | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel       |          | Aluminum              |          |
|-----------|--------|-------|-----------------------|----------|-----------------------|----------|
|           |        |       | Part No.<br>Bore Size |          | Part No.<br>Bore Size |          |
| No. Teeth | P.D.   | O.D.  | .1873                 | .2498    | .1873                 | .2498    |
| 24        | 1.0000 | 1.083 | P23-1-24              | —        | P24-1-24              | —        |
| 25        | 1.0416 | 1.125 | P23-1-25              | —        | P24-1-25              | —        |
| 26        | 1.0833 | 1.166 | P23-1-26              | P25-1-26 | P24-1-26              | P26-1-26 |
| 28        | 1.1666 | 1.250 | P23-1-28              | P25-1-28 | P24-1-28              | P26-1-28 |

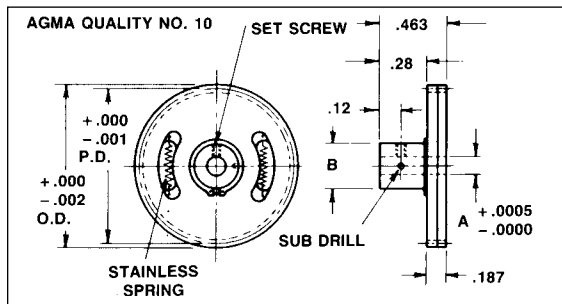
Other size Bores available. Consult Factory. Additional anti-backlash styles can be found on other pages in this section

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:  
For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.  
EXAMPLE: For a 48 Tooth Gear, Specify Part Number P25-1-48.

# ANTI-BACKLASH GEAR-32 PITCH & $\frac{1}{10}$ th CIR. PITCH

20° Pressure Angle ■ Miniature Design ■ Pin Hub —  $\frac{1}{4}$ " Bores,  $\frac{3}{16}$ " Face Width



| Dimen.    | Bore  |       |
|-----------|-------|-------|
|           | 3/16  | 1/4   |
| A         | .1873 | .2498 |
| B         | .375  | .500  |
| Set Screw | #4-40 | #6-32 |

| Pitch     | Gear Data |        |       | Stainless Steel       |          | Aluminum              |          |
|-----------|-----------|--------|-------|-----------------------|----------|-----------------------|----------|
|           | No. Teeth | P.D.   | O.D.  | Part No.<br>Bore Size |          | Part No.<br>Bore Size |          |
| 1/10 C.P. | 32        | 1.0185 | 1.082 | P23-2-32              | —        | P24-2-32              | —        |
|           | 34        | 1.0822 | 1.146 | P23-2-34              | P25-2-34 | P24-2-34              | P26-2-34 |
|           | 35        | 1.1141 | 1.178 | P23-2-35              | P25-2-35 | P24-2-35              | P26-2-35 |
|           | 36        | 1.1459 | 1.210 | P23-2-36              | P25-2-36 | P24-2-36              | P26-2-36 |
|           | 38        | 1.2095 | 1.273 | P23-2-38              | P25-2-38 | P24-2-38              | P26-2-38 |
|           | 40        | 1.2732 | 1.337 | P23-2-40              | P25-2-40 | P24-2-40              | P26-2-40 |
| 32        | 32        | 1.0000 | 1.062 | P23-3-32              | —        | P24-3-32              | —        |
|           | 34        | 1.0625 | 1.125 | P23-3-34              | P25-3-34 | P24-3-34              | P26-3-34 |
|           | 36        | 1.1250 | 1.187 | P23-3-36              | P25-3-36 | P24-3-36              | P26-3-36 |
|           | 38        | 1.1875 | 1.250 | P23-3-38              | P25-3-38 | P24-3-38              | P26-3-38 |

Additional anti-backlash styles can be found on other pages in this section

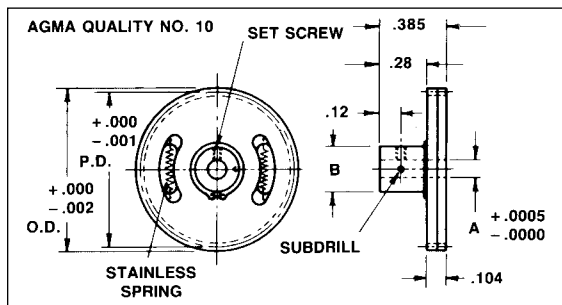
Other Size Bores Available. Consult Factory.

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:  
For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.  
EXAMPLE: For a 48 Tooth Gear, Specify Part Number P25-3-48.

# ANTI-BACKLASH GEAR-48 PITCH — .104" Face Width ■ 20° Pressure Angle

Miniature Design ■ Pin Hub —  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{1}{4}$ " Bores



| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel       |          |          | Aluminum              |          |          |
|-----------|--------|-------|-----------------------|----------|----------|-----------------------|----------|----------|
|           |        |       | Part No.<br>Bore Size |          |          | Part No.<br>Bore Size |          |          |
| No. Teeth | P.D.   | O.D.  | .1248                 | .1873    | .2498    | .1248                 | .1873    | .2498    |
| 40        | 0.8333 | 0.875 | P21-4-40              | —        | —        | P22-4-40              | —        | —        |
| 42        | 0.8750 | 0.917 | P21-4-42              | —        | —        | P22-4-42              | —        | —        |
| 44        | 0.9167 | 0.958 | P21-4-44              | —        | —        | P22-4-44              | —        | —        |
| 46        | 0.9583 | 1.000 | P21-4-46              | P23-4-46 | —        | P22-4-46              | P24-4-46 | —        |
| 48        | 1.0000 | 1.041 | P21-4-48              | P23-4-48 | —        | P22-4-48              | P24-4-48 | —        |
| 50        | 1.0417 | 1.083 | P21-4-50              | P23-4-50 | P25-4-50 | P22-4-50              | P24-4-50 | P26-4-50 |
| 55        | 1.1458 | 1.187 | P21-4-55              | P23-4-55 | P25-4-55 | P22-4-55              | P24-4-55 | P26-4-55 |
| 56        | 1.1667 | 1.208 | P21-4-56              | P23-4-56 | P25-4-56 | P22-4-56              | P24-4-56 | P26-4-56 |
| 60        | 1.2500 | 1.291 | P21-4-60              | P23-4-60 | P25-4-60 | P22-4-60              | P24-4-60 | P26-4-60 |
| 64        | 1.3335 | 1.375 | P21-4-64              | P23-4-64 | P25-4-64 | P22-4-64              | P24-4-64 | P26-4-64 |

Additional anti-backlash styles can be found on other pages in this section

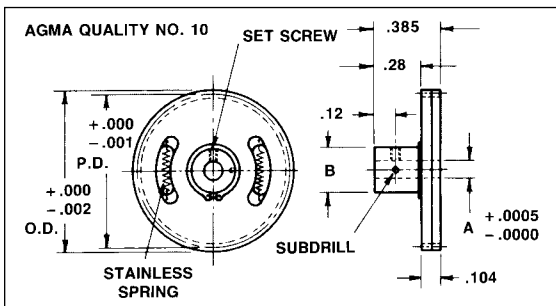
Other Size Bores Available. Consult Factory.

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:  
For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.  
EXAMPLE: For a 65 Tooth Gear, Specify Part Number P21-4-65.

# ANTI-BACKLASH GEAR-64 PITCH — .104" Face Width ■ 20° Pressure Angle

Miniature Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |          |          | Aluminum Part No. Bore Size |          |          |
|-----------|--------|-------|------------------------------------|----------|----------|-----------------------------|----------|----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873    | .2498    | .1248                       | .1873    | .2498    |
| 52        | 0.8125 | 0.843 | P21-5-52                           | —        | —        | P22-5-52                    | —        | —        |
| 55        | 0.8594 | 0.890 | P21-5-55                           | —        | —        | P22-5-55                    | —        | —        |
| 56        | 0.8750 | 0.906 | P21-5-56                           | —        | —        | P22-5-56                    | —        | —        |
| 60        | 0.9375 | 0.968 | P21-5-60                           | P23-5-60 | —        | P22-5-60                    | P24-5-60 | —        |
| 64        | 1.0000 | 1.031 | P21-5-64                           | P23-5-64 | —        | P22-5-64                    | P24-5-64 | —        |
| 68        | 1.0625 | 1.093 | P21-5-68                           | P23-5-68 | P25-5-68 | P22-5-68                    | P24-5-68 | P26-5-68 |
| 70        | 1.0937 | 1.125 | P21-5-70                           | P23-5-70 | P25-5-70 | P22-5-70                    | P24-5-70 | P26-5-70 |
| 75        | 1.1719 | 1.203 | P21-5-75                           | P23-5-75 | P25-5-75 | P22-5-75                    | P24-5-75 | P26-5-75 |
| 80        | 1.2500 | 1.281 | P21-5-80                           | P23-5-80 | P25-5-80 | P22-5-80                    | P24-5-80 | P26-5-80 |

Other Size Bores Available, Consult Factory.

Additional anti-backlash styles can be found on other pages in this section

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

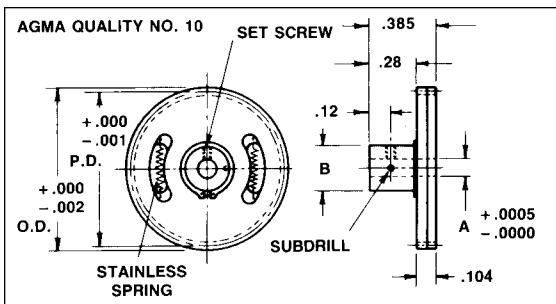
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 65 Tooth Gear, Specify Part Number P21-5-65.

# ANTI-BACKLASH GEAR-72 PITCH — .104" Face Width ■ 20° Pressure Angle

Miniature Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |          |          | Aluminum Part No. Bore Size |          |          |
|-----------|--------|-------|------------------------------------|----------|----------|-----------------------------|----------|----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873    | .2498    | .1248                       | .1873    | .2498    |
| 58        | 0.8056 | 0.833 | P21-6-58                           | —        | —        | P22-6-58                    | —        | —        |
| 60        | 0.8333 | 0.861 | P21-6-60                           | —        | —        | P22-6-60                    | —        | —        |
| 64        | 0.8889 | 0.916 | P21-6-64                           | —        | —        | P22-6-64                    | —        | —        |
| 68        | 0.9444 | 0.972 | P21-6-68                           | P23-6-68 | —        | P22-6-68                    | P24-6-68 | —        |
| 70        | 0.9720 | 1.000 | P21-6-70                           | P23-6-70 | —        | P22-6-70                    | P24-6-70 | —        |
| 72        | 1.0000 | 1.027 | P21-6-72                           | P23-6-72 | P25-6-72 | P22-6-72                    | P24-6-72 | P26-6-72 |
| 75        | 1.0417 | 1.069 | P21-6-75                           | P23-6-75 | P25-6-75 | P22-6-75                    | P24-6-75 | P26-6-75 |
| 80        | 1.1111 | 1.138 | P21-6-80                           | P23-6-80 | P25-6-80 | P22-6-80                    | P24-6-80 | P26-6-80 |
| 84        | 1.1667 | 1.194 | P21-6-84                           | P23-6-84 | P25-6-84 | P22-6-84                    | P24-6-84 | P26-6-84 |
| 90        | 1.2500 | 1.277 | P21-6-90                           | P23-6-90 | P25-6-90 | P22-6-90                    | P24-6-90 | P26-6-90 |
| 96        | 1.3333 | 1.361 | P21-6-96                           | P23-6-96 | P25-6-96 | P22-6-96                    | P24-6-96 | P26-6-96 |

Additional anti-backlash styles can be found on other pages in this section

Other Size Bores Available, Consult Factory.

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

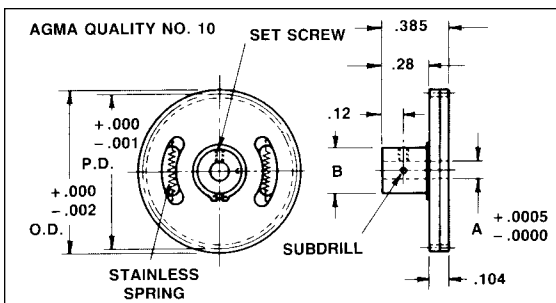
FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For a 59 Tooth Gear, Specify Part Number P21-6-59.

# ANTI-BACKLASH GEAR-96 PITCH — .104" Face Width ■ 20° Pressure Angle

Miniature Design ■ Pin Hub — 1/8", 3/16", 1/4" Bores



| Dimen.    | Bore  |       |       |
|-----------|-------|-------|-------|
|           | 1/8   | 3/16  | 1/4   |
| A         | .1248 | .1873 | .2498 |
| B         | .312  | .375  | .500  |
| Set Screw | #2-56 | #4-40 | #6-32 |

| Gear Data |        |       | Stainless Steel Part No. Bore Size |           |           | Aluminum Part No. Bore Size |           |           |
|-----------|--------|-------|------------------------------------|-----------|-----------|-----------------------------|-----------|-----------|
| No. Teeth | P.D.   | O.D.  | .1248                              | .1873     | .2498     | .1248                       | .1873     | .2498     |
| 76        | 0.7917 | 0.812 | P21-8-76                           | —         | —         | P22-8-76                    | —         | —         |
| 80        | 0.8333 | 0.854 | P21-8-80                           | —         | —         | P22-8-80                    | —         | —         |
| 84        | 0.8750 | 0.895 | P21-8-84                           | —         | —         | P22-8-84                    | —         | —         |
| 90        | 0.9375 | 0.958 | P21-8-90                           | P23-8-90  | —         | P22-8-90                    | P24-8-90  | —         |
| 96        | 1.0000 | 1.020 | P21-8-96                           | P23-8-96  | P25-8-96  | P22-8-96                    | P24-8-96  | P26-8-96  |
| 100       | 1.0417 | 1.062 | P21-8-100                          | P23-8-100 | P25-8-100 | P22-8-100                   | P24-8-100 | P26-8-100 |
| 108       | 1.1250 | 1.145 | P21-8-108                          | P23-8-108 | P25-8-108 | P22-8-108                   | P24-8-108 | P26-8-108 |
| 112       | 1.1667 | 1.187 | P21-8-112                          | P23-8-112 | P25-8-112 | P22-8-112                   | P24-8-112 | P26-8-112 |
| 120       | 1.2500 | 1.270 | P21-8-120                          | P23-8-120 | P25-8-120 | P22-8-120                   | P24-8-120 | P26-8-120 |
| 125       | 1.3021 | 1.322 | P21-8-125                          | P23-8-125 | P25-8-125 | P22-8-125                   | P24-8-125 | P26-8-125 |

Additional anti-backlash styles can be found on other pages in this section

Other Size Bores Available, Consult Factory.

Material:  
Gears — 303 Stainless Steel  
2024-T4 Aluminum (Anodized Before Cutting)  
Hubs — 303 Stainless Steel

FOR SPECIAL ANTI-BACKLASH GEARS, ORDER AS FOLLOWS:

For Unlisted Number of Teeth, Specify the Number of Teeth desired as the last figure in the part number.

EXAMPLE: For 78 Tooth Gear, Specify Part Number P21-8-78.



