

Sprockets With Split Taper Bushings
American Standard Series

No.120
No.120-2

Pitch 1 1/2"
Roller Φ 0.875"
Tooth width B1 0.924"

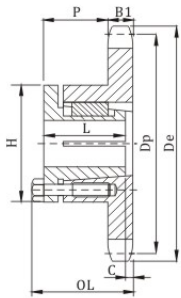
Single-Split Taper Bushed

| Number | Bushing | Bore Range     | De    | Dp     | No. Teeth | Type | B1    | OL       | L      | P       | C      | H      | Wt. Less (Bushing) |
|--------|---------|----------------|-------|--------|-----------|------|-------|----------|--------|---------|--------|--------|--------------------|
| 120Q11 | Q1      | 3/4 - 2 1/16   | 6.01" | 5.324" | 11        | 4    | .924" | 2 25/32" | 2 1/2" | 1 9/16" | 0"     | 4 1/8" | 4.8                |
| 120Q12 | Q1      | 3/4 - 2 1/16   | 6.50  | 5.796  | 12        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 6.3                |
| 120Q13 | Q1      | 3/4 - 2 1/16   | 6.99  | 6.268  | 13        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 7.9                |
| 120Q14 | Q1      | 3/4 - 2 1/16   | 7.47  | 6.741  | 14        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 9.1                |
| 120Q15 | Q1      | 3/4 - 2 1/16   | 7.96  | 7.215  | 15        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 10.4               |
| 120Q16 | Q1      | 3/4 - 2 1/16   | 8.39  | 7.689  | 16        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 11.8               |
| 120R16 | R1      | 1 1/8 - 3 3/8  | 8.39  | 7.689  | 16        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 12.3               |
| 120Q17 | Q1      | 3/4 - 2 1/16   | 8.88  | 8.163  | 17        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 13.4               |
| 120R17 | R1      | 1 1/8 - 3 3/8  | 8.88  | 8.163  | 17        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 13.6               |
| 120Q18 | Q1      | 3/4 - 2 1/16   | 9.41  | 8.638  | 18        | 4    | .924  | 2 25/32  | 2 1/2  | 1 9/16  | 0      | 4 1/8  | 15.6               |
| 120R18 | R1      | 1 1/8 - 3 3/8  | 9.41  | 8.638  | 18        | 4    | .924  | 3 5/32   | 3 3/32 | 1 9/16  | 0      | 5 3/8  | 15.9               |
| 120R19 | R1      | 1 1/8 - 3 3/8  | 9.89  | 9.113  | 19        | 4    | .924  | 3 5/32   | 3 5/32 | 1 9/16  | 0      | 5 3/8  | 16.8               |
| 120R20 | R1      | 1 1/8 - 3 3/8  | 10.37 | 9.589  | 20        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 18.8               |
| 120R21 | R1      | 1 1/8 - 3 3/8  | 10.85 | 10.064 | 21        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 21.0               |
| 120R22 | R1      | 1 1/8 - 3 3/8  | 11.33 | 10.540 | 22        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 22.5               |
| 120R23 | R1      | 1 1/8 - 3 3/8  | 11.81 | 11.016 | 23        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 24.8               |
| 120R24 | R1      | 1 1/8 - 3 3/8  | 12.29 | 11.492 | 24        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 26.9               |
| 120R25 | R1      | 1 1/8 - 3 3/8  | 12.77 | 11.968 | 25        | 4    | .924  | 3 5/32   | 2 7/8  | 1 15/16 | 0      | 5 3/8  | 29.8               |
| 120R26 | R1      | 1 1/8 - 3 3/8  | 13.25 | 12.444 | 26        | 5    | .924  | 3 5/32   | 2 7/8  | 7/8     | 1 1/16 | 5 3/8  | 32.9               |
| 120R28 | R1      | 1 1/8 - 3 3/8  | 14.21 | 13.397 | 28        | 5    | .924  | 3 5/32   | 2 7/8  | 7/8     | 1 1/16 | 5 3/8  | 38.3               |
| 120R30 | R1      | 1 1/8 - 3 3/8  | 15.17 | 14.350 | 30        | 5    | .924  | 3 5/32   | 2 7/8  | 7/8     | 1 1/16 | 5 3/8  | 43.4               |
| 120R32 | R1      | 1 1/8 - 3 3/8  | 16.13 | 15.303 | 32        | 5    | .924  | 3 5/32   | 2 7/8  | 7/8     | 1 1/16 | 5 3/8  | 49.4               |
| 120R35 | R2      | 1 3/8 - 3 5/8  | 17.57 | 16.734 | 35        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 68.0               |
| 120R36 | R2      | 1 3/8 - 3 5/8  | 18.05 | 17.211 | 36        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 72.0               |
| 120R40 | R2      | 1 3/8 - 3 5/8  | 19.96 | 19.118 | 40        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 82.0               |
| 120S40 | S1      | 1 1/16 - 4 1/4 | 19.96 | 19.118 | 40        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 83.0               |
| 120S42 | S1      | 1 1/16 - 4 1/4 | 20.92 | 20.072 | 42        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 90.0               |
| 120R45 | R2      | 1 3/8 - 3 5/8  | 22.35 | 21.503 | 45        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 102.0              |
| 120S45 | S1      | 1 1/16 - 4 1/4 | 22.35 | 21.503 | 45        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 100.0              |
| 120S48 | S1      | 1 1/16 - 4 1/4 | 23.79 | 22.935 | 48        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 111.0              |
| 120S54 | S1      | 1 1/16 - 4 1/4 | 26.65 | 25.798 | 54        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 138.0              |
| 120R60 | R2      | 1 3/8 - 3 5/8  | 29.52 | 28.661 | 60        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 179.0              |
| 120S60 | S1      | 1 1/16 - 4 1/4 | 29.52 | 28.661 | 60        | 5    | .924  | 4 3/4    | 4 3/8  | 1 1/16  | 2 3/8  | 6 3/8  | 180.0              |
| 120R70 | R2      | 1 3/8 - 3 5/8  | 34.30 | 33.434 | 70        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 148.0              |
| 120S70 | S2      | 1 7/8 - 4 3/16 | 34.30 | 33.434 | 70        | 5    | .924  | 7 1/8    | 6 3/4  | 2 15/16 | 2 7/8  | 6 3/8  | 167.0              |
| 120R80 | R2      | 1 3/8 - 3 5/8  | 39.08 | 38.207 | 80        | 6    | .924  | 5 5/32   | 4 7/8  | 1 15/16 | 2      | 5 3/8  | 291.0              |
| 120S80 | S2      | 1 7/8 - 4 3/16 | 39.08 | 38.207 | 80        | 6    | .924  | 7 1/8    | 6 3/4  | 2 15/16 | 2 7/8  | 6 3/8  | 305.0              |

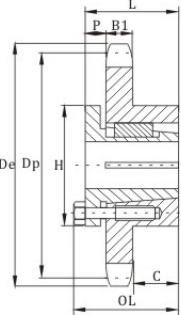
Pitch 1 1/2"
Roller Φ 0.875"
Tooth width b1 0.894"
Tooth width B2 2.683"

Double-Split Taper Bushed

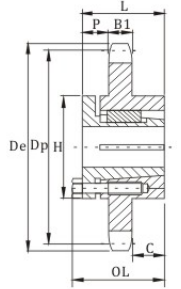
| Number  | Bushing | Bore Range       | De     | Dp      | No. Teeth | Type | b1    | B2     | OL      | L       | P       | C      | H       | Wt. Less (Bushing) |
|---------|---------|------------------|--------|---------|-----------|------|-------|--------|---------|---------|---------|--------|---------|--------------------|
| D120S30 | S1      | 1 1/16 - 4 1/4 " | 15.17" | 14.350" | 30        | 15   | .894" | 2.683" | 4 3/4 " | 4 3/8 " | 1 1/16" | 5/8 "  | 6 3/8 " | 105                |
| D120S35 | S1      | 1 1/16 - 4 1/4 " | 17.57  | 16.734  | 35        | 15   | .894  | 2.683  | 4 3/4   | 4 3/8   | 1 1/16  | 5/8    | 6 3/8   | 148                |
| D120S45 | S2      | 1 1/8 - 4 3/16   | 22.35  | 21.503  | 45        | 18   | .894  | 2.683  | 7 1/8   | 6 3/4   | 2 7/32  | 1 9/32 | 8 3/8   | 268                |
| D120S60 | U0      | 2 3/8 - 5 1/2    | 29.52  | 28.661  | 60        | 15   | .894  | 2.683  | 5 23/32 | 5 1/4   | 1 9/32  | 1 9/32 | 8 3/8   | 183                |



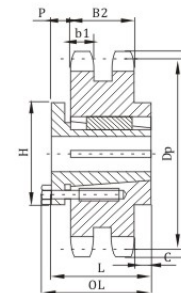
TYPE 4



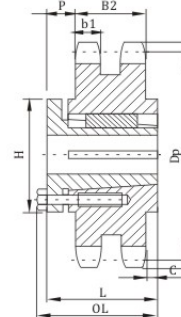
TYPE 5



TYPE 6



TYPE 15

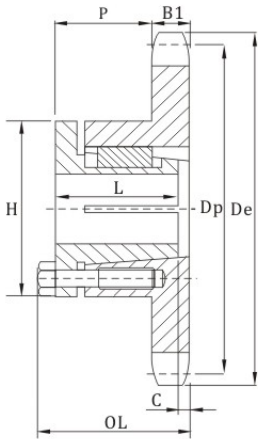


TYPE 18

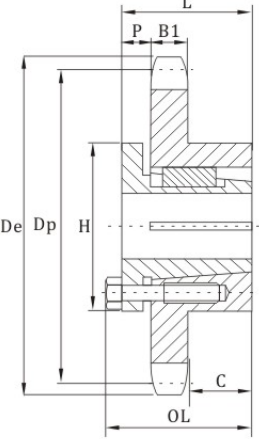
Sprockets With Split Taper Bushings
American Standard Series

No.140

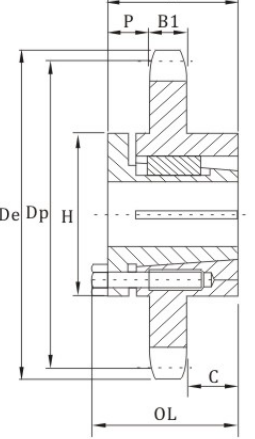
Pitch 1 3/4"
Roller Φ 1.000"
Tooth width b1 0.924"



TYPE 4



TYPE 5



TYPE 6

Single-Split Taper Bushed

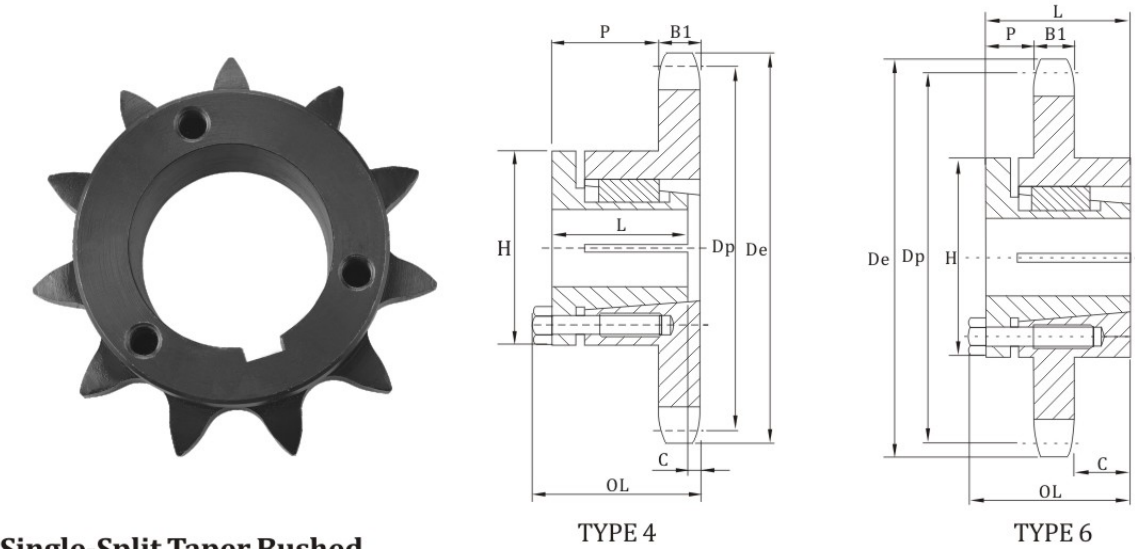
| Number         |         | Bushing                        | Bore Range                      | De     | Dp     | No. Teeth | Type | B1              | OL                 | L                | P                 | C               | H                | Wt. Less (Bushing) |
|----------------|---------|--------------------------------|---------------------------------|--------|--------|-----------|------|-----------------|--------------------|------------------|-------------------|-----------------|------------------|--------------------|
| HARDENED TEETH | H140Q11 | Q1                             | $\frac{3}{4} - 2\frac{1}{16}$ " | 7.01"  | 6.212" | 11        | 4    | .924"           | $2\frac{25}{32}$ " | $2\frac{1}{2}$ " | $1\frac{9}{16}$ " | 0               | $4\frac{1}{8}$ " | 6.4                |
|                | H140Q12 | Q1                             | $\frac{3}{4} - 2\frac{1}{16}$   | 7.58   | 6.762  | 12        | 4    | .924            | $2\frac{25}{32}$   | $2\frac{1}{2}$   | $1\frac{9}{16}$   | 0               | $4\frac{1}{8}$   | 9.0                |
|                | H140R13 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 8.15   | 7.313  | 13        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 11.1               |
|                | H140R14 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 8.72   | 7.864  | 14        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 12.6               |
|                | H140R15 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 9.28   | 8.417  | 15        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 14.7               |
|                | H140R16 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 9.85   | 8.970  | 16        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 16.5               |
|                | H140R17 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 10.41  | 9.524  | 17        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 18.5               |
|                | H140R18 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 10.97  | 10.078 | 18        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 20.5               |
|                | H140R19 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 11.54  | 10.632 | 19        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 23.0               |
|                | H140R20 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 12.10  | 11.187 | 20        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 25.4               |
|                | H140R21 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 12.66  | 11.742 | 21        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 27.8               |
|                | H140R22 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 13.22  | 12.297 | 22        | 5    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $\frac{7}{8}$     | $1\frac{1}{16}$ | $5\frac{3}{8}$   | 32.5               |
|                | H140R23 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 13.78  | 12.852 | 23        | 5    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $\frac{7}{8}$     | $1\frac{1}{16}$ | $5\frac{3}{8}$   | 36.0               |
|                | H140R24 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 14.34  | 13.407 | 24        | 5    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $\frac{7}{8}$     | $1\frac{1}{16}$ | $5\frac{3}{8}$   | 37.6               |
|                | H140R25 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 14.90  | 13.963 | 25        | 5    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $\frac{7}{8}$     | $1\frac{1}{16}$ | $5\frac{3}{8}$   | 40.3               |
|                | H140R26 | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 15.46  | 14.513 | 26        | 5    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $\frac{7}{8}$     | $1\frac{1}{16}$ | $5\frac{3}{8}$   | 44.0               |
|                | H140R30 | R2                             | $1\frac{3}{8} - 3\frac{5}{8}$   | 17.70  | 16.742 | 30        | 5    | .924            | $5\frac{5}{32}$    | $4\frac{7}{8}$   | $\frac{7}{8}$     | 2               | $5\frac{3}{8}$   | 68.0               |
|                | 140Q11  | Q1                             | $\frac{3}{4} - 2\frac{1}{16}$   | 7.01   | 6.212  | 11        | 4    | .924            | $2\frac{25}{32}$   | $2\frac{1}{2}$   | $1\frac{9}{16}$   | 0               | $4\frac{1}{8}$   | 6.4                |
|                | 140Q12  | Q1                             | $\frac{3}{4} - 2\frac{1}{16}$   | 7.58   | 6.762  | 12        | 4    | .924            | $2\frac{25}{32}$   | $2\frac{1}{2}$   | $1\frac{9}{16}$   | 0               | $4\frac{1}{8}$   | 9.0                |
|                | 140R13  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 8.15   | 7.313  | 13        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 11.1               |
|                | 140R14  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 8.72   | 7.864  | 14        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 12.6               |
|                | 140R15  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 9.28   | 8.417  | 15        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 14.7               |
|                | 140R16  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 9.85   | 8.970  | 16        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 16.5               |
|                | 140R17  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 10.41  | 9.524  | 17        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 18.5               |
|                | 140R18  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 10.97  | 10.078 | 18        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 20.5               |
|                | 140R19  | R1                             | $1\frac{1}{8} - 3\frac{3}{4}$   | 11.54  | 10.632 | 19        | 4    | .924            | $3\frac{5}{32}$    | $2\frac{7}{8}$   | $1\frac{15}{16}$  | 0               | $5\frac{3}{8}$   | 23.0               |
| 140R20         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 12.10                           | 11.187 | 20     | 4         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $1\frac{15}{16}$ | 0                 | $5\frac{3}{8}$  | 25.4             |                    |
| 140R21         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 12.66                           | 11.742 | 21     | 4         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $1\frac{15}{16}$ | 0                 | $5\frac{3}{8}$  | 27.8             |                    |
| 140R22         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 13.22                           | 12.297 | 22     | 5         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $\frac{7}{8}$    | $1\frac{1}{16}$   | $5\frac{3}{8}$  | 32.5             |                    |
| 140R23         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 13.78                           | 12.852 | 23     | 5         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $\frac{7}{8}$    | $1\frac{1}{16}$   | $5\frac{3}{8}$  | 36.0             |                    |
| 140R24         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 14.34                           | 13.407 | 24     | 5         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $\frac{7}{8}$    | $1\frac{1}{16}$   | $5\frac{3}{8}$  | 37.6             |                    |
| 140R25         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 14.90                           | 13.963 | 25     | 5         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $\frac{7}{8}$    | $1\frac{1}{16}$   | $5\frac{3}{8}$  | 40.3             |                    |
| 140R26         | R1      | $1\frac{1}{8} - 3\frac{3}{4}$  | 15.46                           | 14.513 | 26     | 5         | .924 | $3\frac{5}{32}$ | $2\frac{7}{8}$     | $\frac{7}{8}$    | $1\frac{1}{16}$   | $5\frac{3}{8}$  | 44.0             |                    |
| 140R30         | R2      | $1\frac{3}{8} - 3\frac{5}{8}$  | 17.70                           | 16.742 | 30     | 6         | .924 | $5\frac{5}{32}$ | $4\frac{7}{8}$     | $\frac{7}{8}$    | 2                 | $5\frac{3}{8}$  | 68.0             |                    |
| 140R35         | R2      | $1\frac{3}{8} - 3\frac{5}{8}$  | 20.49                           | 19.523 | 35     | 6         | .924 | $5\frac{5}{32}$ | $4\frac{7}{8}$     | $\frac{7}{8}$    | 2                 | $5\frac{3}{8}$  | 88.0             |                    |
| 140R36         | R2      | $1\frac{3}{8} - 3\frac{5}{8}$  | 21.05                           | 20.079 | 36     | 6         | .924 | $5\frac{5}{32}$ | $4\frac{7}{8}$     | $\frac{7}{8}$    | 2                 | $5\frac{3}{8}$  | 90.0             |                    |
| 140S36         | S1      | $1\frac{1}{16} - 4\frac{1}{4}$ | 21.05                           | 20.079 | 36     | 5         | .924 | $4\frac{3}{4}$  | $4\frac{3}{8}$     | $1\frac{1}{16}$  | $2\frac{3}{8}$    | $6\frac{3}{8}$  | 89.0             |                    |
| 140S40         | R2      | $1\frac{3}{8} - 3\frac{5}{8}$  | 23.29                           | 22.305 | 40     | 6         | .924 | $5\frac{5}{32}$ | $4\frac{7}{8}$     | $\frac{7}{8}$    | 2                 | $5\frac{3}{8}$  | 109.0            |                    |
| 140S40         | S1      | $1\frac{1}{16} - 4\frac{1}{4}$ | 23.29                           | 22.305 | 40     | 5         | .924 | $4\frac{3}{4}$  | $4\frac{3}{8}$     | $1\frac{1}{16}$  | $2\frac{3}{8}$    | $6\frac{3}{8}$  | 107.0            |                    |
| 140S45         | S1      | $1\frac{1}{16} - 4\frac{1}{4}$ | 26.08                           | 25.087 | 45     | 5         | .924 | $4\frac{3}{4}$  | $4\frac{3}{8}$     | $1\frac{1}{16}$  | $2\frac{3}{8}$    | $6\frac{3}{8}$  | 132.0            |                    |
| 140S48         | S2      | $1\frac{7}{8} - 4\frac{3}{16}$ | 27.75                           | 26.757 | 48     | 6         | .924 | $7\frac{1}{2}$  | $6\frac{3}{4}$     | $2\frac{15}{16}$ | $2\frac{7}{8}$    | $6\frac{3}{8}$  | 169.0            |                    |
| 140S54         | S2      | $1\frac{7}{8} - 4\frac{3}{16}$ | 31.10                           | 30.097 | 54     | 6         | .924 | $7\frac{1}{2}$  | $6\frac{3}{4}$     | $2\frac{15}{16}$ | $2\frac{7}{8}$    | $6\frac{3}{8}$  | 208.0            |                    |
| 140S60         | S2      | $1\frac{7}{8} - 4\frac{3}{16}$ | 34.44                           | 33.438 | 60     | 6         | .924 | $7\frac{1}{2}$  | $6\frac{3}{4}$     | $2\frac{15}{16}$ | $2\frac{7}{8}$    | $6\frac{3}{8}$  | 230.0            |                    |
| 140S70         | S2      | $1\frac{7}{8} - 4\frac{3}{16}$ | 40.02                           | 39.006 | 70     | 6         | .924 | $7\frac{1}{2}$  | $6\frac{3}{4}$     | $2\frac{15}{16}$ | $2\frac{7}{8}$    | $6\frac{3}{8}$  | 311.0            |                    |
| 140S80         | S2      | $1\frac{7}{8} - 4\frac{3}{16}$ | 45.59                           | 44.575 | 80     | 6         | .924 | $7\frac{1}{2}$  | $6\frac{3}{4}$     | $2\frac{15}{16}$ | $2\frac{7}{8}$    | $6\frac{3}{8}$  | 342.0            |                    |



Sprockets With Split Taper Bushings  
American Standard Series

No.160

◇Pitch 2" ◇RollerΦ 1.125" ◇Tooth width B1 1.156"



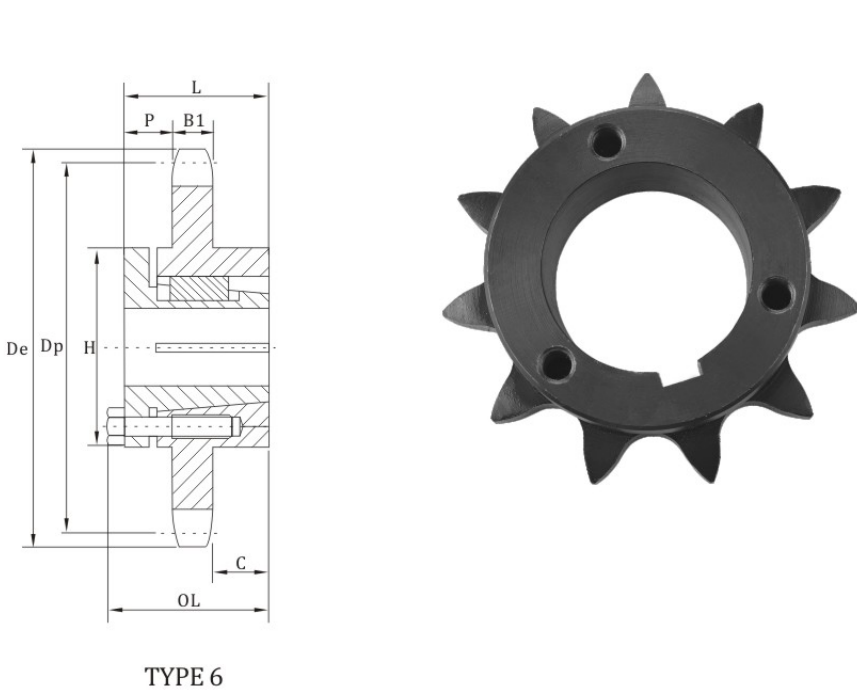
Single-Split Taper Bushed

| Number         |         | Bushing | Bore Range      | De    | Dp     | No. Teeth | Type | B1     | OL        | L       | P         | C       | H       | Wt. Less (Bushing) |
|----------------|---------|---------|-----------------|-------|--------|-----------|------|--------|-----------|---------|-----------|---------|---------|--------------------|
| HARDENED TEETH | H160R11 | R1      | 1 1/8 - 3 3/4 " | 8.01" | 7.099" | 11        | 4    | 1.156" | 3 13/32 " | 2 7/8 " | 1 31/32 " | 1/4     | 5 3/8 " | 10.8               |
|                | H160R12 | R1      | 1 1/8 - 3 3/4   | 8.66  | 7.727  | 12        | 4    | 1.156  | 3 13/32   | 2 7/8   | 1 31/32   | 1/4     | 5 3/8   | 14.2               |
|                | H160R13 | R1      | 1 1/8 - 3 3/4   | 9.31  | 8.357  | 13        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 15.5               |
|                | H160R14 | R1      | 1 1/8 - 3 3/4   | 9.96  | 8.988  | 14        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 18.5               |
|                | H160R15 | R1      | 1 1/8 - 3 3/4   | 10.61 | 9.620  | 15        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 21.6               |
|                | H160R16 | R1      | 1 1/8 - 3 3/4   | 11.25 | 10.252 | 16        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 25.0               |
|                | H160R17 | R1      | 1 1/8 - 3 3/4   | 11.90 | 10.885 | 17        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 28.0               |
|                | H160R18 | R1      | 1 1/8 - 3 3/4   | 12.54 | 11.518 | 18        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 31.9               |
|                | H160R19 | R1      | 1 1/8 - 3 3/4   | 13.19 | 12.151 | 19        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 35.9               |
|                | H160R20 | R2      | 1 3/8 - 3 5/8   | 13.83 | 12.785 | 20        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 51.0               |
|                | H160R21 | R2      | 1 3/8 - 3 5/8   | 14.47 | 13.419 | 21        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 56.0               |
|                | H160R22 | R2      | 1 3/8 - 3 5/8   | 15.11 | 14.053 | 22        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 60.0               |
|                | H160R23 | R2      | 1 3/8 - 3 5/8   | 15.75 | 14.688 | 23        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 65.0               |
|                | H160R24 | R2      | 1 3/8 - 3 5/8   | 16.39 | 15.323 | 24        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 71.5               |
|                | H160R25 | R2      | 1 3/8 - 3 5/8   | 17.03 | 15.958 | 25        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 74.0               |
|                | H160S26 | S2      | 1 7/8 - 4 3/16  | 17.67 | 16.593 | 26        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 79.0               |
|                | H160S28 | S2      | 1 7/8 - 4 3/16  | 18.95 | 17.863 | 28        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 99.8               |
|                | H160S30 | S2      | 1 7/8 - 4 3/16  | 20.23 | 19.134 | 30        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 115                |
|                | 160R11  | R1      | 1 1/8 - 3 3/4   | 8.01" | 7.099" | 11        | 4    | 1.156  | 3 13/32 " | 2 7/8 " | 1 31/32 " | 1/4     | 5 3/8 " | 10.8               |
|                | 160R12  | R1      | 1 1/8 - 3 3/4   | 8.66  | 7.727  | 12        | 4    | 1.156  | 3 13/32   | 2 7/8   | 1 31/32   | 1/4     | 5 3/8   | 14.2               |
|                | 160R13  | R1      | 1 1/8 - 3 3/4   | 9.31  | 8.357  | 13        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 15.5               |
|                | 160R14  | R1      | 1 1/8 - 3 3/4   | 9.96  | 8.988  | 14        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 18.5               |
|                | 160R15  | R1      | 1 1/8 - 3 3/4   | 10.61 | 9.620  | 15        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 21.6               |
|                | 160R16  | R1      | 1 1/8 - 3 3/4   | 11.25 | 10.252 | 16        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 25.0               |
|                | 160R17  | R1      | 1 1/8 - 3 3/4   | 11.90 | 10.885 | 17        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 28.0               |
|                | 160R18  | R1      | 1 1/8 - 3 3/4   | 12.54 | 11.518 | 18        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 31.9               |
|                | 160R19  | R1      | 1 1/8 - 3 3/4   | 13.19 | 12.151 | 19        | 4    | 1.156  | 3 5/32    | 2 7/8   | 1 23/32   | 0       | 5 3/8   | 35.9               |
|                | 160R20  | R2      | 1 3/8 - 3 5/8   | 13.83 | 12.785 | 20        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 51.0               |
|                | 160R21  | R2      | 1 3/8 - 3 5/8   | 14.47 | 13.419 | 21        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 56.0               |
|                | 160R22  | R2      | 1 3/8 - 3 5/8   | 15.11 | 14.053 | 22        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 60.0               |
|                | 160R23  | R2      | 1 3/8 - 3 5/8   | 15.75 | 14.688 | 23        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 65.0               |
|                | 160R24  | R2      | 1 3/8 - 3 5/8   | 16.39 | 15.323 | 24        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 71.5               |
|                | 160R25  | R2      | 1 3/8 - 3 5/8   | 17.03 | 15.958 | 25        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 74.0               |
|                | 160R26  | R2      | 1 3/8 - 3 5/8   | 17.67 | 16.593 | 26        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 79.0               |
|                | 160R18  | R2      | 1 3/8 - 3 5/8   | 18.95 | 17.863 | 18        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 99.8               |
|                | 160R30  | R2      | 1 3/8 - 3 5/8   | 20.23 | 19.134 | 30        | 6    | 1.156  | 5 5/32    | 4 7/8   | 1 23/32   | 2       | 5 3/8   | 106.0              |
|                | 160S30  | S2      | 1 7/8 - 4 3/16  | 20.23 | 19.134 | 30        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 115.0              |
|                | 160S35  | S2      | 1 7/8 - 4 3/16  | 23.42 | 22.312 | 35        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 150.0              |
|                | 160S40  | S2      | 1 7/8 - 4 3/16  | 26.61 | 25.491 | 40        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 165.0              |
|                | 160S45  | S2      | 1 7/8 - 4 3/16  | 29.80 | 28.671 | 45        | 6    | 1.156  | 7 1/8     | 6 3/4   | 2 23/32   | 2 7/8   | 6 3/8   | 204.0              |
|                | 160S60  | U0      | 2 3/8 - 5 1/2   | 39.36 | 38.215 | 60        | 6    | 1.156  | 5 25/32   | 5 1/4   | 1 17/32   | 1 15/16 | 8 3/8   | 354.0              |
|                | 160S70  | U0      | 2 3/8 - 5 1/2   | 45.73 | 44.578 | 70        | 6    | 1.156  | 5 25/32   | 5 1/4   | 1 17/32   | 1 15/16 | 8 3/8   | 308.0              |
|                | 160S80  | U1      | 2 3/8 - 5 1/2   | 52.10 | 50.943 | 80        | 6    | 1.156  | 7 19/32   | 7 1/4   | 2 19/32   | 2 7/8   | 8 3/8   | 394.0              |

Sprockets With Split Taper Bushings  
American Standard Series

No.200

◇Pitch 2 1/2" ◇RollerΦ 1.562" ◇Tooth width B1 1.389"



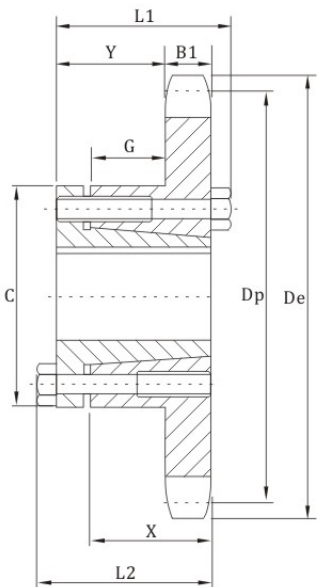
Single-Split Taper Bushed

| Number | Bushing | Bore Range      | De     | Dp     | No. Teeth | Type | B1     | OL       | L       | P       | C     | H       | Wt. Less (Bushing) |
|--------|---------|-----------------|--------|--------|-----------|------|--------|----------|---------|---------|-------|---------|--------------------|
| 200R12 | R2      | 1 3/8 - 3 5/8 " | 10.83" | 9.660" | 12        | 6    | 1.389" | 5 5/32 " | 4 7/8 " | 1 1/2 " | 2     | 5 3/8 " | 35.3               |
| 200S13 | S2      | 1 1/8 - 4 3/16  | 11.64  | 10.447 | 13        | 6    | 1.389  | 7 1/8    | 6 3/4   | 2 1/2   | 2 7/8 | 6 3/8   | 52.2               |
| 200S14 | S2      | 1 7/8 - 4 3/16  | 12.46  | 11.235 | 14        | 6    | 1.389  | 7 1/8    | 6 3/4   | 2 1/2   | 2 7/8 | 6 3/8   | 57.5               |
| 200S15 | S2      | 1 7/8 - 4 3/16  | 13.26  | 12.025 | 15        | 6    | 1.389  | 7 1/8    | 6 3/4   | 2 1/2   | 2 7/8 | 6 3/8   | 61.0               |
| 200S16 | S2      | 1 7/8 - 4 3/16  | 14.07  | 12.815 | 16        | 6    | 1.389  | 7 1/8    | 6 3/4   | 2 1/2   | 2 7/8 | 6 3/8   | 71.0               |
| 200S17 | S2      | 1 7/8 - 4 3/16  | 14.87  | 13.605 | 17        | 6    | 1.389  | 7 1/8    | 6 3/4   | 2 1/2   | 2 7/8 | 6 3/8   | 79.0               |
| 200U18 | U0      | 2 3/8 - 5 1/2   | 15.68  | 14.397 | 18        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 76.5               |
| 200U19 | U0      | 2 3/8 - 5 1/2   | 16.48  | 15.190 | 19        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 83.7               |
| 200U20 | U0      | 2 3/8 - 5 1/2   | 17.26  | 15.982 | 20        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 91.3               |
| 200U21 | U0      | 2 3/8 - 5 1/2   | 18.09  | 16.775 | 21        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 99.4               |
| 200U22 | U0      | 2 3/8 - 5 1/2   | 18.89  | 17.567 | 22        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 110.0              |
| 200U23 | U0      | 2 3/8 - 5 1/2   | 19.69  | 18.360 | 23        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 117.0              |
| 200U24 | U0      | 2 3/8 - 5 1/2   | 20.49  | 19.152 | 24        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 126.0              |
| 200U25 | U0      | 2 3/8 - 5 1/2   | 21.29  | 19.947 | 25        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 140.0              |
| 200U26 | U0      | 2 3/8 - 5 1/2   | 22.09  | 20.740 | 26        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 150.0              |
| 200U28 | U0      | 2 3/8 - 5 1/2   | 23.69  | 22.330 | 28        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 169.0              |
| 200U30 | U0      | 2 3/8 - 5 1/2   | 25.29  | 23.917 | 30        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 3/8   | 188.0              |
| 200U32 | U0      | 2 3/8 - 5 1/2   | 26.88  | 25.505 | 32        | 6    | 1.389  | 5 23/32  | 5 1/4   | 2 17/32 | 1 5/8 | 8 1/8   | 212.0              |
| 200U35 | U1      | 2 3/8 - 5 1/2   | 29.28  | 27.890 | 35        | 6    | 1.389  | 7 19/32  | 7 1/8   | 2 7/8   | 2 7/8 | 8 1/8   | 252.0              |
| 200U40 | U1      | 2 3/8 - 5 1/2   | 33.27  | 31.865 | 40        | 6    | 1.389  | 7 19/32  | 7 1/8   | 2 7/8   | 2 7/8 | 8 3/8   | 306.0              |
| 200U45 | U1      | 2 3/8 - 5 1/2   | 37.25  | 35.840 | 45        | 6    | 1.389  | 7 19/32  | 7 1/8   | 2 7/8   | 2 7/8 | 8 3/8   | 290.0              |
| 200U54 | U2      | 2 7/16 - 5      | 44.42  | 42.995 | 54        | 6    | 1.389  | 10 19/32 | 10 1/8  | 3 29/32 | 4 1/4 | 8 3/8   | 385.0              |
| 200U60 | U2      | 2 7/16 - 5      | 49.20  | 47.767 | 60        | 6    | 1.389  | 10 19/32 | 10 1/8  | 3 29/32 | 4 1/4 | 8 3/8   | 445.0              |

Sprockets With QD Bushings  
American Standard Series

No.35

◇Pitch 3/8" ◇RollerΦ 0.200" ◇Tooth width B1 0.168"

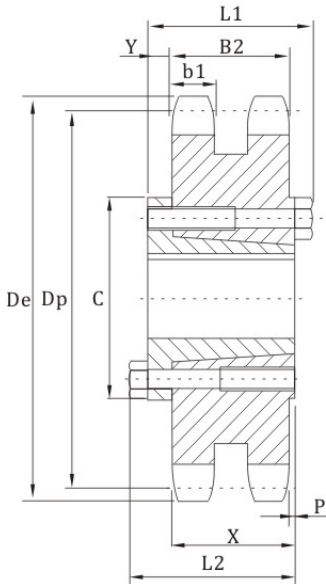


QD-TYPE B

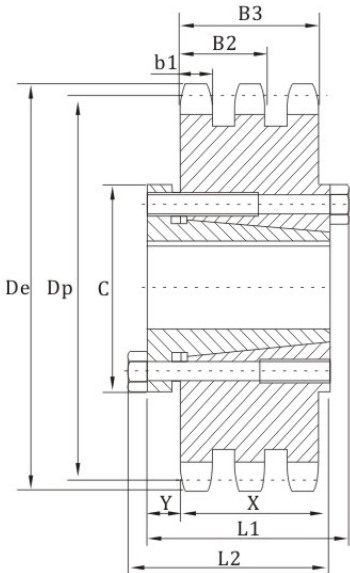
Sprockets With QD Bushings  
American Standard Series

No.35-2  
No.35-3

◇Pitch 3/8" ◇RollerΦ 0.200"  
◇Tooth width B1 0.162" ◇Tooth width B2 0.561" ◇Tooth width B3 0.960"



QD-TYPE C



QD-TYPE C

Single-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1     | L2     | C       | Y      | G     | X     | B1   | Weight(Approx.)<br>With Hub Rim Only |      |
|-----------|---------|---------|--------|--------|------|-----------|--------|--------|---------|--------|-------|-------|------|--------------------------------------|------|
| 19        | 35JA19  | JA      | 2.470  | 2.278  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.18                                 | .28  |
| 20        | 35JA20  | JA      | 2.590  | 2.397  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.22                                 | .32  |
| 21        | 35JA21  | JA      | 2.710  | 2.516  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.24                                 | .34  |
| 22        | 35JA22  | JA      | 2.830  | 2.635  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.26                                 | .36  |
| 23        | 35JA23  | JA      | 2.950  | 2.754  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.28                                 | .38  |
| 24        | 35JA24  | JA      | 3.070  | 2.873  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.30                                 | .40  |
| 25        | 35JA25  | JA      | 3.190  | 2.992  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.34                                 | .44  |
| 26        | 35JA26  | JA      | 3.310  | 3.111  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.36                                 | .46  |
| 27        | 35JA27  | JA      | 3.430  | 3.230  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.38                                 | .48  |
| 28        | 35JA28  | JA      | 3.550  | 3.349  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.42                                 | .52  |
| 30        | 35JA30  | JA      | 3.790  | 3.588  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.46                                 | .56  |
| 32        | 35JA32  | JA      | 4.030  | 3.826  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.68                                 | .78  |
| 35        | 35JA35  | JA      | 4.390  | 4.183  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 53/64  | 29/64 | 5/8   | .168 | 1.94                                 | 1.04 |
| 36        | 35SH36  | SH      | 4.510  | 4.303  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.06                                 | 1.06 |
| 40        | 35SH40  | SH      | 4.990  | 4.780  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.18                                 | 1.18 |
| 42        | 35SH42  | SH      | 5.230  | 5.018  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.26                                 | 1.26 |
| 45        | 35SH45  | SH      | 5.590  | 5.376  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.40                                 | 1.40 |
| 48        | 35SH48  | SH      | 5.950  | 5.734  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.58                                 | 1.58 |
| 54        | 35SH54  | SH      | 6.660  | 6.449  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 2.88                                 | 1.88 |
| 60        | 35SH60  | SH      | 7.380  | 7.165  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 3.28                                 | 2.28 |
| 70        | 35SH70  | SH      | 8.580  | 8.358  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 3.94                                 | 2.94 |
| 72        | 35SH72  | SH      | 8.810  | 8.597  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 4.14                                 | 3.14 |
| 80        | 35SH80  | SH      | 9.770  | 9.552  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 4.68                                 | 3.68 |
| 84        | 35SH84  | SH      | 10.250 | 10.029 | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 4.86                                 | 3.96 |
| 96        | 35SH96  | SH      | 11.680 | 11.461 | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 6.38                                 | 5.38 |
| 112       | 35SH112 | SH      | 13.590 | 13.371 | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 5/64 | 41/64 | 13/16 | .168 | 7.60                                 | 6.60 |

Double-Type "QD"

| No. Teeth | Number   | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C      | Y    | P     | X     | B1   | B2   | Weight(Approx.)<br>With Hub Rim Only |       |
|-----------|----------|---------|--------|--------|------|-----------|-------|-------|--------|------|-------|-------|------|------|--------------------------------------|-------|
| 68        | D35SDS68 | SDS     | 8.340  | 8.120  | C    | 2         | 1 1/2 | 1 1/2 | 3 3/16 | 9/16 | 3/16  | 3/4   | .162 | .561 | 8.40                                 | 7.40  |
| 72        | D35SDS72 | SDS     | 8.810  | 8.597  | C    | 2         | 1 1/2 | 1 1/2 | 3 3/16 | 9/16 | 3/16  | 3/4   | .162 | .561 | 9.28                                 | 8.28  |
| 76        | D35SDS76 | SDS     | 9.290  | 9.074  | C    | 2         | 1 1/2 | 1 1/2 | 3 3/16 | 9/16 | 3/16  | 3/4   | .162 | .561 | 10.32                                | 9.32  |
| 84        | D35SK84  | SK      | 10.250 | 10.029 | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8  | 5/8  | 11/16 | 1 1/4 | .162 | .561 | 13.94                                | 11.94 |
| 95        | D35SK95  | SK      | 11.560 | 11.342 | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8  | 5/8  | 11/16 | 1 1/4 | .162 | .561 | 17.22                                | 15.22 |
| 96        | D35SK96  | SK      | 11.680 | 11.461 | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8  | 5/8  | 11/16 | 1 1/4 | .162 | .561 | 17.74                                | 15.74 |
| 102       | D35SK102 | SK      | 12.400 | 12.177 | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8  | 5/8  | 11/16 | 1 1/4 | .162 | .561 | 19.76                                | 17.76 |

Triple-Type "QD"

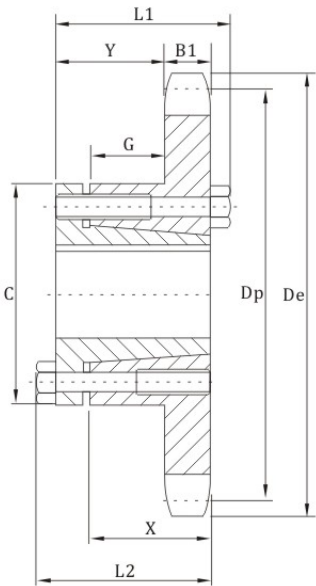
| No. Teeth | Number   | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y   | P     | X     | B1   | B3   | Weight(Approx.)<br>With Hub Rim Only |       |
|-----------|----------|---------|--------|--------|------|-----------|-------|-------|-------|-----|-------|-------|------|------|--------------------------------------|-------|
| 68        | E35SK68  | SK      | 8.340  | 8.120  | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 13.90                                | 11.90 |
| 72        | E35SK72  | SK      | 8.810  | 8.597  | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 15.56                                | 13.56 |
| 76        | E35SK76  | SK      | 9.290  | 9.074  | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 17.42                                | 15.42 |
| 84        | E35SK84  | SK      | 10.250 | 10.029 | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 20.92                                | 18.92 |
| 95        | E35SK95  | SK      | 11.560 | 11.342 | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 26.76                                | 24.76 |
| 96        | E35SK96  | SK      | 11.680 | 11.461 | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 27.58                                | 25.58 |
| 102       | E35SK102 | SK      | 12.400 | 12.177 | C1   | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 19/64 | 1 1/4 | .162 | .960 | 31.18                                | 29.18 |



Sprockets With QD Bushings  
American Standard Series

No.41

◇Pitch 1/2" ◇RollerΦ 0.306" ◇Tooth width B1 0.227"



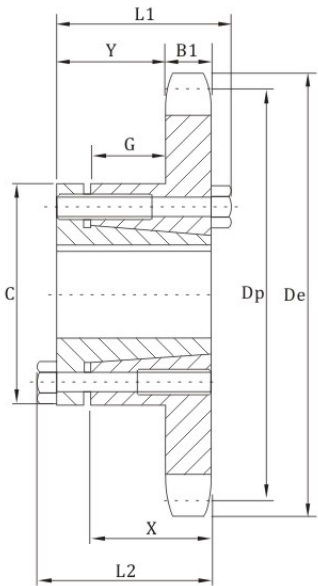
QD-TYPE B



Sprockets With QD Bushings  
American Standard Series

No.40

◇Pitch 1/2" ◇RollerΦ 0.312" ◇Tooth width B1 0.284"



QD-TYPE B



Single-Type "QD" With Hardened Teeth

| No. Teeth | Number  |
|-----------|---------|
| 15        | 40JA15H |
| 16        | 40JA16H |
| 17        | 40JA17H |
| 18        | 40JA18H |
| 19        | 40JA19H |
| 20        | 40SH20H |
| 21        | 40SH21H |
| 22        | 40SH22H |
| 23        | 40SH23H |
| 24        | 40SH24H |
| 25        | 40SH25H |
| 26        | 40SH26H |
| 27        | 40SH27H |
| 28        | 40SH28H |
| 30        | 40SH30H |

Single-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1     | L2     | C       | Y      | G     | X     | B1   | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|-----------|--------|--------|---------|--------|-------|-------|------|-----------------|----------|
|           |         |         |        |        |      |           |        |        |         |        |       |       |      | With Hub        | Rim Only |
| 15        | 41JA15  | JA      | 2.650  | 2.405  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 49/64  | 25/64 | 5/8   | .227 | 1.22            | .32      |
| 16        | 41JA16  | JA      | 2.810  | 2.563  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 49/64  | 25/64 | 5/8   | .227 | 1.30            | .40      |
| 17        | 41JA17  | JA      | 2.980  | 2.721  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 49/64  | 25/64 | 5/8   | .227 | 1.40            | .50      |
| 18        | 41JA18  | JA      | 3.140  | 2.879  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 49/64  | 25/64 | 5/8   | .227 | 1.50            | .60      |
| 19        | 41JA19  | JA      | 3.300  | 3.038  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 49/64  | 25/64 | 5/8   | .227 | 1.58            | .68      |
| 20        | 41JSH20 | SH      | 3.460  | 3.196  | B    | 1 1/4     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 1.78            | .78      |
| 21        | 41SH21  | SH      | 3.620  | 3.355  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 1.82            | .82      |
| 22        | 41SH22  | SH      | 3.780  | 3.513  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.06            | 1.06     |
| 23        | 41SH23  | SH      | 3.940  | 3.672  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.14            | 1.14     |
| 24        | 41SH24  | SH      | 4.100  | 3.831  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.16            | 1.16     |
| 25        | 41SH25  | SH      | 4.260  | 3.989  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.22            | 1.22     |
| 26        | 41SH26  | SH      | 4.420  | 4.148  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.26            | 1.26     |
| 27        | 41SH27  | SH      | 4.580  | 4.307  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.40            | 1.40     |
| 28        | 41SH28  | SH      | 4.740  | 4.466  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.54            | 1.54     |
| 30        | 41SH30  | SH      | 5.060  | 4.783  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.58            | 1.58     |
| 32        | 41SH32  | SH      | 5.380  | 5.101  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 2.68            | 1.68     |
| 35        | 41SH35  | SH      | 5.860  | 5.578  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 1 1/32 | 37/64 | 13/16 | .227 | 3.46            | 2.47     |
| 36        | 41SDS36 | SDS     | 6.020  | 5.737  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 2.92            | 1.92     |
| 40        | 41SDS40 | SDS     | 6.650  | 6.373  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 3.32            | 2.32     |
| 42        | 41SDS42 | SDS     | 6.970  | 6.691  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 3.44            | 2.44     |
| 45        | 41SDS45 | SDS     | 7.450  | 7.168  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 3.76            | 2.76     |
| 48        | 41SDS48 | SDS     | 7.930  | 7.645  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 4.36            | 3.36     |
| 54        | 41SDS54 | SDS     | 8.890  | 8.599  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 4.98            | 3.98     |
| 60        | 41SDS60 | SDS     | 9.840  | 9.554  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32 | 17/32 | 3/4   | .227 | 6.54            | 5.54     |
| 70        | 41SK70  | SK      | 11.430 | 11.145 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 9.42            | 7.42     |
| 72        | 41SK72  | SK      | 11.750 | 11.463 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 10.02           | 8.02     |
| 80        | 41SK80  | SK      | 13.030 | 12.736 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 11.64           | 9.64     |
| 84        | 41SK84  | SK      | 13.660 | 13.372 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 12.40           | 10.40    |
| 96        | 41SK96  | SK      | 15.570 | 15.281 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 14.82           | 12.82    |
| 112       | 41SK112 | SK      | 18.120 | 17.828 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 1/32 | 1 1/4 | 1 1/4 | .227 | 19.28           | 17.28    |

Single-Type "QD"

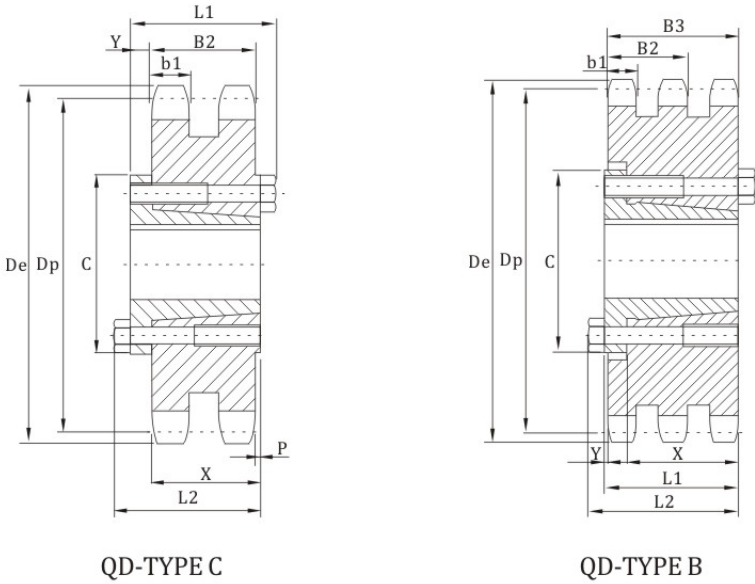
| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1     | L2     | C       | Y       | G     | X     | B1   | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|-----------|--------|--------|---------|---------|-------|-------|------|-----------------|----------|
|           |         |         |        |        |      |           |        |        |         |         |       |       |      | With Hub        | Rim Only |
| 15        | 40JA15  | JA      | 2.650  | 2.405  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 23/32   | 11/32 | 5/8   | .284 | 1.24            | .34      |
| 16        | 40JA16  | JA      | 2.810  | 2.563  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 23/32   | 11/32 | 5/8   | .284 | 1.30            | .40      |
| 17        | 40JA17  | JA      | 2.980  | 2.721  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 23/32   | 11/32 | 5/8   | .284 | 1.38            | .48      |
| 18        | 40JA18  | JA      | 3.140  | 2.879  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 23/32   | 11/32 | 5/8   | .284 | 1.44            | .54      |
| 19        | 40JA19  | JA      | 3.300  | 3.038  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 23/32   | 11/32 | 5/8   | .284 | 1.50            | .60      |
| 20        | 40JSH20 | SH      | 3.460  | 3.196  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 1.76            | .76      |
| 21        | 40SH21  | SH      | 3.620  | 3.355  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 1.84            | .84      |
| 22        | 40SH22  | SH      | 3.780  | 3.513  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 1.92            | .92      |
| 23        | 40SH23  | SH      | 3.940  | 3.672  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.14            | 1.14     |
| 24        | 40SH24  | SH      | 4.100  | 3.831  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.22            | 1.22     |
| 25        | 40SH25  | SH      | 4.260  | 3.989  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.30            | 1.30     |
| 26        | 40SH26  | SH      | 4.420  | 4.148  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.44            | 1.44     |
| 27        | 40SH27  | SH      | 4.580  | 4.307  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.46            | 1.46     |
| 28        | 40SH28  | SH      | 4.740  | 4.466  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.54            | 1.54     |
| 30        | 40SH30  | SH      | 5.060  | 4.783  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.72            | 1.72     |
| 32        | 40SH32  | SH      | 5.380  | 5.101  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 2.90            | 1.90     |
| 35        | 40SH35  | SH      | 5.860  | 5.578  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 31/32   | 17/32 | 13/16 | .284 | 3.22            | 2.22     |
| 36        | 40SDS36 | SDS     | 6.020  | 5.737  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 3.20            | 2.20     |
| 40        | 40SDS40 | SDS     | 6.650  | 6.373  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 3.72            | 2.72     |
| 42        | 40SDS42 | SDS     | 6.970  | 6.691  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 3.92            | 2.92     |
| 45        | 40SDS45 | SDS     | 7.450  | 7.168  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 4.32            | 3.32     |
| 48        | 40SDS48 | SDS     | 7.930  | 7.645  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 4.70            | 3.70     |
| 54        | 40SDS54 | SDS     | 8.890  | 8.599  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 5.78            | 4.78     |
| 60        | 40SDS60 | SDS     | 9.840  | 9.554  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 1 1/32  | 15/32 | 3/4   | .284 | 6.86            | 5.86     |
| 70        | 40SK70  | SK      | 11.430 | 11.145 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 10.68           | 8.68     |
| 72        | 40SK72  | SK      | 11.750 | 11.463 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 10.84           | 8.84     |
| 80        | 40SK80  | SK      | 13.030 | 12.736 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 13.20           | 11.20    |
| 84        | 40SK84  | SK      | 13.660 | 13.372 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 13.56           | 11.56    |
| 96        | 40SK96  | SK      | 15.570 | 15.281 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 17.76           | 15.76    |
| 112       | 40SK112 | SK      | 18.120 | 17.828 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 1 19/32 | 31/32 | 1 1/4 | .284 | 22.28           | 20.28    |



Sprockets With QD Bushings  
American Standard Series

No.40-2  
No.40-3

◇Pitch 1/2"   ◇RollerΦ 0.312"   ◇Tooth width B1 0.275"   ◇Tooth width B2 0.841"   ◇Tooth width B3 1.407"



Double-Type "QD"

| No. Teeth | Number   | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y   | P     | X     | B1   | B2   | Weight(Approx.)<br>With Hub Rim Only |       |
|-----------|----------|---------|--------|--------|------|-----------|-------|-------|-------|-----|-------|-------|------|------|--------------------------------------|-------|
| 36        | D40SK36  | SK      | 6.020  | 5.737  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 6.68                                 | 4.68  |
| 40        | D40SK40  | SK      | 6.650  | 6.373  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 8.02                                 | 6.02  |
| 42        | D40SK42  | SK      | 6.970  | 6.691  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 8.82                                 | 6.82  |
| 45        | D40SK45  | SK      | 7.450  | 7.168  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 9.98                                 | 7.98  |
| 48        | D40SK48  | SK      | 7.930  | 7.645  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 11.22                                | 9.22  |
| 52        | D40SK52  | SK      | 8.570  | 8.281  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 13.04                                | 11.04 |
| 54        | D40SK54  | SK      | 8.890  | 8.599  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 14.06                                | 12.06 |
| 60        | D40SK60  | SK      | 9.840  | 9.554  | C    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/32 | 1 1/4 | .275 | .841 | 16.98                                | 14.98 |
| 68        | D40SF68  | SF      | 11.120 | 10.826 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 22.72                                | 19.72 |
| 72        | D40SF72  | SF      | 11.750 | 11.463 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 24.20                                | 22.20 |
| 76        | D40SF76  | SF      | 12.390 | 12.099 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 28.20                                | 25.20 |
| 84        | D40SF84  | SF      | 13.660 | 13.372 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 33.64                                | 30.64 |
| 95        | D40SF95  | SF      | 15.410 | 15.122 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 40.22                                | 37.22 |
| 102       | D40SF102 | SF      | 16.530 | 16.236 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 42.70                                | 39.70 |
| 112       | D40SF112 | SF      | 18.120 | 17.828 | C    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/32 | 1 1/4 | .275 | .841 | 52.60                                | 49.60 |

Triple-Type "QD"

| No. Teeth | Number   | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y     | X     | B1   | B3    | Weight(Approx.)<br>With Hub Rim Only |       |
|-----------|----------|---------|--------|--------|------|-----------|-------|-------|-------|-------|-------|------|-------|--------------------------------------|-------|
| 36        | E40SK36  | SK      | 6.020  | 5.737  | B    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 15/32 | 1 1/4 | .275 | 1.407 | 8.16                                 | 6.16  |
| 42        | E40SK42  | SK      | 6.970  | 6.691  | B    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 15/32 | 1 1/4 | .275 | 1.407 | 11.92                                | 9.52  |
| 48        | E40SK48  | SK      | 7.930  | 7.645  | B    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 15/32 | 1 1/4 | .275 | 1.407 | 15.13                                | 13.16 |
| 52        | E40SK52  | SK      | 8.570  | 8.281  | B    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 15/32 | 1 1/4 | .275 | 1.407 | 18.08                                | 16.08 |
| 60        | E40SK60  | SK      | 9.840  | 9.554  | B    | 2 5/8     | 2 1/8 | 2 1/8 | 3 7/8 | 15/32 | 1 1/4 | .275 | 1.407 | 24.60                                | 22.06 |
| 68        | E40SF68  | SF      | 11.120 | 10.826 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 31.98                                | 29.98 |
| 72        | E40SF72  | SF      | 11.750 | 11.463 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 37.40                                | 34.40 |
| 76        | E40SF76  | SF      | 12.390 | 12.099 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 51.92                                | 48.92 |
| 84        | E40SF84  | SF      | 13.660 | 13.372 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 56.70                                | 53.78 |
| 95        | E40SF95  | SF      | 15.410 | 15.122 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 58.94                                | 55.94 |
| 102       | E40SF102 | SF      | 16.530 | 16.236 | B    | 2 15/16   | 2 1/4 | 2 1/4 | 4 5/8 | 19/32 | 1 1/4 | .275 | 1.407 | 62.24                                | 59.24 |

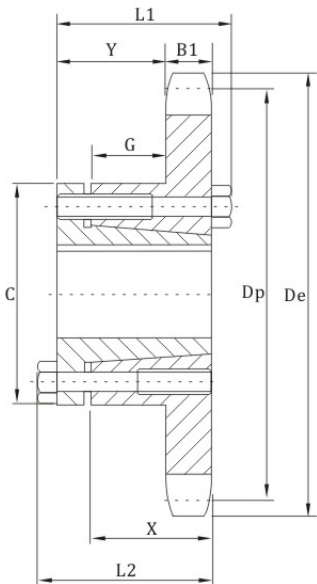
Sprockets With QD Bushings  
American Standard Series

No.50

◇Pitch 5/8"   ◇RollerΦ 0.400"   ◇Tooth width B1 0.343"

Single-Type "QD" With Hardened Teeth

| No. Teeth | Number   |
|-----------|----------|
| 12        | 50JA12H  |
| 13        | 50JA13H  |
| 14        | 50JA14H  |
| 15        | 50JA15H  |
| 16        | 50JA16H  |
| 17        | 50SH17H  |
| 18        | 50SH18H  |
| 19        | 50SH19H  |
| 20        | 50SDS20H |
| 21        | 50SDS21H |
| 22        | 50SDS22H |
| 23        | 50SDS23H |
| 24        | 50SDS24H |
| 25        | 50SDS25H |
| 26        | 50SDS26H |
| 27        | 50SDS27H |
| 28        | 50SDS28H |
| 30        | 50SDS30H |



Single-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1     | L2     | C       | Y      | G     | X     | B1   | Weight(Approx.)<br>With Hub Rim Only |       |
|-----------|---------|---------|--------|--------|------|-----------|--------|--------|---------|--------|-------|-------|------|--------------------------------------|-------|
| 12        | 50JA12  | JA      | 2.710  | 2.415  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 21/32  | 9/32  | 5/8   | .343 | 1.24                                 | .34   |
| 13        | 50JA13  | JA      | 2.910  | 2.612  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 21/32  | 9/32  | 5/8   | .343 | 1.30                                 | .40   |
| 14        | 50JA14  | JA      | 3.110  | 2.803  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 21/32  | 9/32  | 5/8   | .343 | 1.45                                 | .52   |
| 15        | 50JA15  | JA      | 3.320  | 3.006  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 21/32  | 9/32  | 5/8   | .343 | 1.50                                 | .60   |
| 16        | 50JA16  | JA      | 3.520  | 3.204  | B    | 1 1/4     | 1 1/8  | 1 1/8  | 2 1/16  | 21/32  | 9/32  | 5/8   | .343 | 1.58                                 | .68   |
| 17        | 50SH17  | SH      | 3.720  | 3.401  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 29/32  | 13/32 | 13/16 | .343 | 1.84                                 | .84   |
| 18        | 50SH18  | SH      | 3.920  | 3.599  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 29/32  | 15/32 | 13/16 | .343 | 2.04                                 | 1.04  |
| 19        | 50SH19  | SH      | 4.120  | 3.797  | B    | 1 5/8     | 1 7/16 | 1 7/16 | 2 11/16 | 29/32  | 15/32 | 13/16 | .343 | 2.24                                 | 1.24  |
| 20        | 50SDS20 | SDS     | 4.320  | 3.995  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.20                                 | 1.20  |
| 21        | 50SDS21 | SDS     | 4.520  | 4.194  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.32                                 | 1.32  |
| 22        | 50SDS22 | SDS     | 4.720  | 4.392  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.48                                 | 1.42  |
| 23        | 50SDS23 | SDS     | 4.920  | 4.590  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.58                                 | 1.58  |
| 24        | 50SDS24 | SDS     | 5.120  | 4.788  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.70                                 | 1.70  |
| 25        | 50SDS25 | SDS     | 5.320  | 4.987  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 2.86                                 | 1.86  |
| 26        | 50SDS26 | SDS     | 5.520  | 5.185  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 3.00                                 | 2.00  |
| 27        | 50SDS27 | SDS     | 5.720  | 5.384  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 3.12                                 | 2.12  |
| 28        | 50SDS28 | SDS     | 5.920  | 5.582  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 3.32                                 | 2.32  |
| 30        | 50SDS30 | SDS     | 6.320  | 5.979  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 3.64                                 | 2.64  |
| 32        | 50SDS32 | SDS     | 6.720  | 6.376  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 3.98                                 | 2.98  |
| 35        | 50SDS35 | SDS     | 7.320  | 6.972  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 4.62                                 | 3.62  |
| 36        | 50SDS36 | SDS     | 7.520  | 7.171  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 4.64                                 | 3.64  |
| 40        | 50SDS40 | SDS     | 8.320  | 7.966  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 5.74                                 | 4.74  |
| 42        | 50SDS42 | SDS     | 8.720  | 8.363  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 6.40                                 | 5.40  |
| 45        | 50SDS45 | SDS     | 9.310  | 8.960  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 6.90                                 | 5.90  |
| 48        | 50SDS48 | SDS     | 9.910  | 9.556  | B    | 2         | 1 1/2  | 1 1/2  | 3 3/16  | 31/32  | 13/32 | 3/4   | .343 | 7.66                                 | 6.66  |
| 54        | 50SK54  | SK      | 11.110 | 10.749 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 117/32 | 29/32 | 1 1/4 | .343 | 11.68                                | 9.68  |
| 60        | 50SK60  | SK      | 12.300 | 11.942 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 117/32 | 29/32 | 1 1/4 | .343 | 13.88                                | 11.88 |
| 70        | 50SK70  | SK      | 14.290 | 13.931 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 117/32 | 29/32 | 1 1/4 | .343 | 17.52                                | 15.52 |
| 72        | 50SK72  | SK      | 14.690 | 14.329 | B    | 2 5/8     | 2 1/8  | 2 1/8  | 3 7/8   | 117/32 | 29/32 | 1 1/4 | .343 | 18.44                                | 16.44 |
| 80        | 50SF80  | SF      | 16.280 | 15.920 | B    | 2 15/16   | 2 1/4  | 2 1/4  | 4 5/8   | 121/32 | 29/32 | 1 1/4 | .343 | 22.90                                | 19.90 |
| 84        | 50SF84  | SF      | 17.080 | 16.715 | B    | 2 15/16   | 2 1/4  | 2 1/4  | 4 5/8   | 121/32 | 29/32 | 1 1/4 | .343 | 25.98                                | 22.98 |
| 96        | 50SF96  | SF      | 19.470 | 19.102 | B    | 2 15/16   | 2 1/4  | 2 1/4  | 4 5/8   | 121/32 | 29/32 | 1 1/4 | .343 | 32.88                                | 29.88 |
| 112       | 50SF112 | SF      | 22.650 | 22.285 | B    | 2 15/16   | 2 1/4  | 2 1/4  | 4 5/8   | 121/32 | 29/32 | 1 1/4 | .343 | 43.10                                | 40.10 |

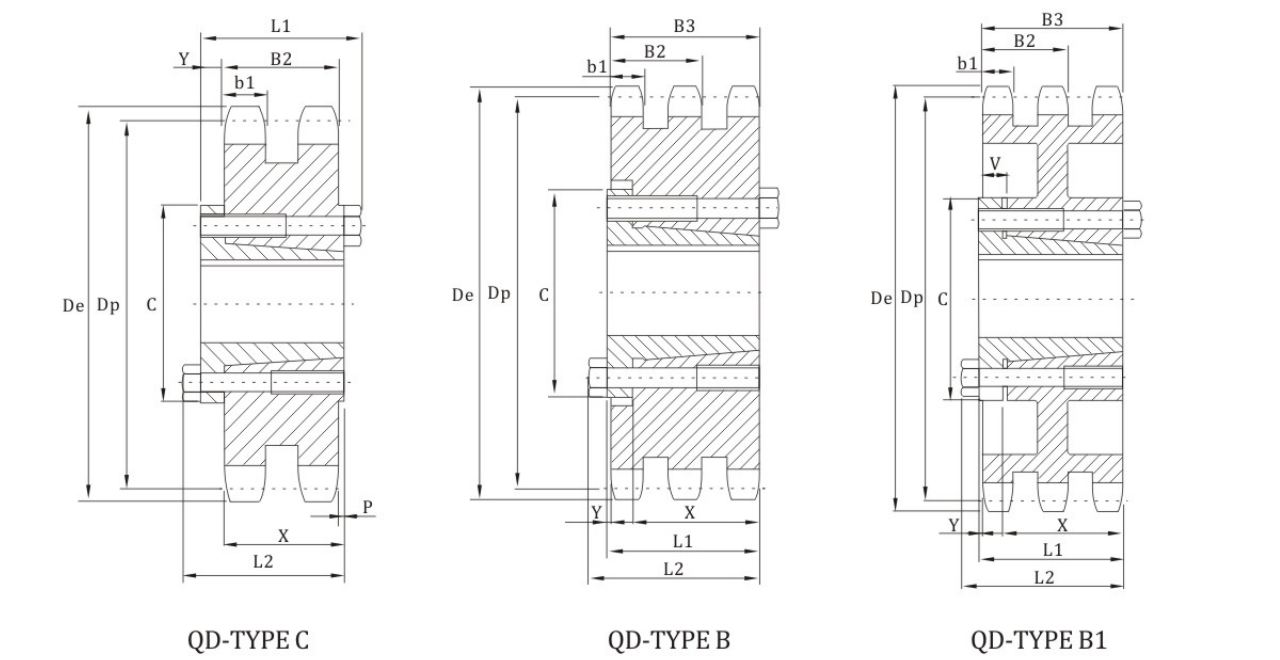


Sprockets With QD Bushings  
American Standard Series

No.50-2  
No.50-3

◇Pitch 5/8" ◇RollerΦ 0.400"

◇Tooth width B1 0.332" ◇Tooth width B2 1.045" ◇Tooth width B3 1.758"



Double-Type "QD"

| No.<br>Teeth | Number   | Bushing | De     | Dp     | Type | Max.<br>Bore | L1    | L2    | C     | Y   | P     | X     | B1   | B2    | Weight(Approx.) |          |
|--------------|----------|---------|--------|--------|------|--------------|-------|-------|-------|-----|-------|-------|------|-------|-----------------|----------|
|              |          |         |        |        |      |              |       |       |       |     |       |       |      |       | With Hub        | Rim Only |
| 36           | D50SK36  | SK      | 7.520  | 7.171  | C    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/64 | 1 1/4 | .332 | 1.045 | 11.08           | 9.08     |
| 42           | D50SK42  | SK      | 8.720  | 8.363  | C    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/64 | 1 1/4 | .332 | 1.045 | 15.16           | 13.16    |
| 48           | D50SK48  | SK      | 9.910  | 9.556  | C    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 5/8 | 13/64 | 1 1/4 | .332 | 1.045 | 19.90           | 17.90    |
| 52           | D50SF52  | SF      | 10.710 | 10.351 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 24.26           | 21.26    |
| 54           | D50SF54  | SF      | 11.110 | 10.749 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 26.18           | 23.18    |
| 60           | D50SF60  | SF      | 12.300 | 11.942 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 32.12           | 29.12    |
| 68           | D50SF68  | SF      | 13.890 | 13.533 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 41.16           | 38.16    |
| 72           | D50SF72  | SF      | 14.690 | 14.329 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 46.28           | 43.26    |
| 76           | D50SF76  | SF      | 15.490 | 15.124 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 47.00           | 44.00    |
| 84           | D50SF84  | SF      | 17.080 | 16.715 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 48.89           | 45.88    |
| 95           | D50SF95  | SF      | 19.270 | 18.903 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 61.80           | 58.88    |
| 102          | D50SF102 | SF      | 20.660 | 20.295 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 69.02           | 66.02    |
| 112          | D50SF112 | SF      | 22.650 | 22.285 | C    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 3/4 | 13/64 | 1 1/4 | .332 | 1.045 | 88.26           | 85.26    |

Triple-Type "QD"

| No.<br>Teeth | Number   | Bushing | De     | Dp     | Type | Max.<br>Bore | L1    | L2    | C     | Y   | V   | X     | B1   | B3    | Weight(Approx.) |          |
|--------------|----------|---------|--------|--------|------|--------------|-------|-------|-------|-----|-----|-------|------|-------|-----------------|----------|
|              |          |         |        |        |      |              |       |       |       |     |     |       |      |       | With Hub        | Rim Only |
| 36           | E40SK36  | SK      | 7.520  | 7.171  | B    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 1/8 |     | 1 1/4 | .332 | 1.758 | 14.8            | 12.8     |
| 42           | E40SK42  | SK      | 8.720  | 8.363  | B    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 1/8 |     | 1 1/4 | .332 | 1.758 | 21.5            | 19.5     |
| 48           | E40SK48  | SK      | 9.910  | 9.556  | B    | 2 5/8        | 2 1/8 | 2 1/8 | 3 7/8 | 1/8 |     | 1 1/4 | .332 | 1.758 | 29.6            | 27.6     |
| 52           | E40SK52  | SF      | 10.710 | 10.351 | B    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 |     | 1 1/4 | .332 | 1.758 | 31.6            | 28.6     |
| 60           | E40SK60  | SF      | 12.300 | 11.942 | B    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 |     | 1 1/4 | .332 | 1.758 | 42.1            | 39.1     |
| 68           | E40SF68  | SF      | 13.890 | 13.533 | B    | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 |     | 1 1/4 | .332 | 1.758 | 53.8            | 50.8     |
| 72           | E40SF72  | SF      | 14.690 | 14.329 | B1   | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 | 1/2 | 1 1/4 | .332 | 1.758 | 46.6            | 43.6     |
| 76           | E40SF76  | SF      | 15.490 | 15.124 | B1   | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 | 1/2 | 1 1/4 | .332 | 1.758 | 49.9            | 46.9     |
| 84           | E40SF84  | SF      | 17.080 | 16.715 | B1   | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 | 1/2 | 1 1/4 | .332 | 1.758 | 53.9            | 50.9     |
| 95           | E40SF95  | SF      | 19.270 | 18.903 | B1   | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 | 1/2 | 1 1/4 | .332 | 1.758 | 62.3            | 59.3     |
| 102          | E40SF102 | SF      | 20.660 | 20.295 | B1   | 2 15/16      | 2 1/4 | 2 1/4 | 4 5/8 | 1/4 | 1/2 | 1 1/4 | .332 | 1.758 | 69.3            | 66.3     |

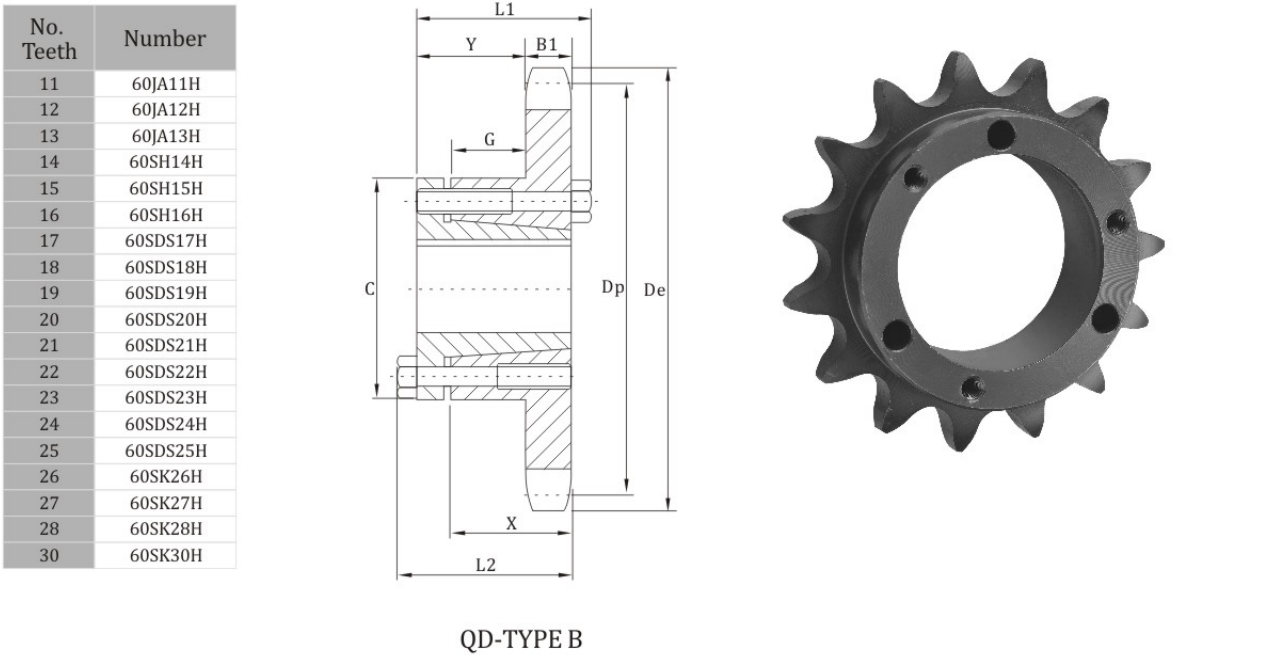
NOTE:Triple 50 stock sprockets with 25 teeth or less have hardened teeth.

Sprockets With QD Bushings  
American Standard Series

No.60

◇Pitch 3/4" ◇RollerΦ 0.468" ◇Tooth width B1 0.459"

Single-Type "QD" With Hardened Teeth



Single-Type "QD"

| No.<br>Teeth | Number  | Bushing | De     | Dp     | Type | Max.<br>Bore | L1      | L2     | C       | Y      | G      | X     | B1   | Weight(Approx.) |          |
|--------------|---------|---------|--------|--------|------|--------------|---------|--------|---------|--------|--------|-------|------|-----------------|----------|
|              |         |         |        |        |      |              |         |        |         |        |        |       |      | With Hub        | Rim Only |
| 11           | 60JA11  | JA      | 3.000  | 2.662  | B    | 1 1/4        | 1 1/8   | 1 1/8  | 2 1/16  | 35/64  | 11/64  | 5/8   | .459 | 1.36            | .46      |
| 12           | 60JA12  | JA      | 3.250  | 2.898  | B    | 1 1/4        | 1 1/8   | 1 1/8  | 2 1/16  | 35/64  | 11/64  | 5/8   | .459 | 1.50            | .60      |
| 13           | 60JA13  | JA      | 3.490  | 3.134  | B    | 1 1/4        | 1 1/8   | 1 1/8  | 2 1/16  | 35/64  | 11/64  | 5/8   | .459 | 1.66            | .76      |
| 14           | 60SH14  | SH      | 3.740  | 3.371  | B    | 1 5/8        | 1 7/16  | 1 7/16 | 2 11/16 | 51/64  | 23/64  | 13/16 | .459 | 1.88            | .88      |
| 15           | 60SH15  | SH      | 3.980  | 3.607  | B    | 1 5/8        | 1 7/16  | 1 7/16 | 2 11/16 | 51/64  | 23/64  | 13/16 | .459 | 2.08            | 1.08     |
| 16           | 60SH16  | SH      | 4.220  | 3.844  | B    | 1 5/8        | 1 7/16  | 1 7/16 | 2 11/16 | 51/64  | 23/64  | 13/16 | .459 | 2.26            | 1.26     |
| 17           | 60SDS17 | SDS     | 4.460  | 4.082  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 2.38            | 1.38     |
| 18           | 60SDS18 | SDS     | 4.700  | 4.319  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 2.56            | 1.56     |
| 19           | 60SDS19 | SDS     | 4.950  | 4.557  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 2.76            | 1.76     |
| 20           | 60SDS20 | SDS     | 5.190  | 4.794  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 3.00            | 2.00     |
| 21           | 60SDS21 | SDS     | 5.430  | 5.032  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 3.20            | 2.20     |
| 22           | 60SDS22 | SDS     | 5.670  | 5.270  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 3.44            | 2.44     |
| 23           | 60SDS23 | SDS     | 5.910  | 5.508  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 3.70            | 2.70     |
| 24           | 60SDS24 | SDS     | 6.150  | 5.746  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 3.94            | 2.94     |
| 25           | 60SDS25 | SDS     | 6.390  | 5.984  | B    | 2            | 1 1/2   | 1 1/2  | 3 3/16  | 55/64  | 19/64  | 3/4   | .459 | 4.24            | 3.24     |
| 26           | 60SK26  | SK      | 6.630  | 6.222  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 6.18            | 4.18     |
| 27           | 60SK27  | SK      | 6.870  | 6.460  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 6.52            | 4.52     |
| 28           | 60SK28  | SK      | 7.110  | 6.699  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 6.72            | 4.72     |
| 30           | 60SK30  | SK      | 7.590  | 7.175  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 7.34            | 5.34     |
| 32           | 60SK32  | SK      | 8.070  | 7.652  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 8.10            | 6.10     |
| 35           | 60SK35  | SK      | 8.780  | 8.367  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 9.42            | 7.42     |
| 36           | 60SK36  | SK      | 9.020  | 8.605  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 9.70            | 7.70     |
| 40           | 60SK40  | SK      | 9.980  | 9.559  | B    | 2 5/8        | 2 1/8   | 2 1/8  | 3 7/8   | 127/64 | 51/64  | 1 1/4 | .459 | 11.56           | 9.56     |
| 42           | 60SF42  | SF      | 10.460 | 10.036 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 13.78           | 10.78    |
| 45           | 60SF45  | SF      | 11.180 | 10.752 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 15.40           | 12.40    |
| 48           | 60SF48  | SF      | 11.890 | 11.467 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 17.26           | 14.26    |
| 54           | 60SF54  | SF      | 13.330 | 12.899 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 20.02           | 17.02    |
| 60           | 60SF60  | SF      | 14.760 | 14.331 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 23.76           | 20.76    |
| 70           | 60SF70  | SF      | 17.150 | 16.717 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 31.60           | 28.60    |
| 72           | 60SF72  | SF      | 17.630 | 17.194 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 32.58           | 29.58    |
| 80           | 60SF80  | SF      | 19.540 | 19.103 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 41.24           | 38.24    |
| 84           | 60SF84  | SF      | 20.490 | 20.058 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 43.94           | 40.94    |
| 96           | 60SF96  | SF      | 23.360 | 22.922 | B    | 2 15/16      | 2 1/4   | 2 1/4  | 4 5/8   | 135/64 | 51/64  | 1 1/4 | .459 | 55.40           | 52.40    |
| 112          | 60E112  | E       | 27.180 | 26.742 | B1   | 3 1/2        | 2 15/16 | 2 5/8  | 6       | 2 3/16 | 1 1/64 | 1 5/8 | .459 | 83.76           | 73.76    |

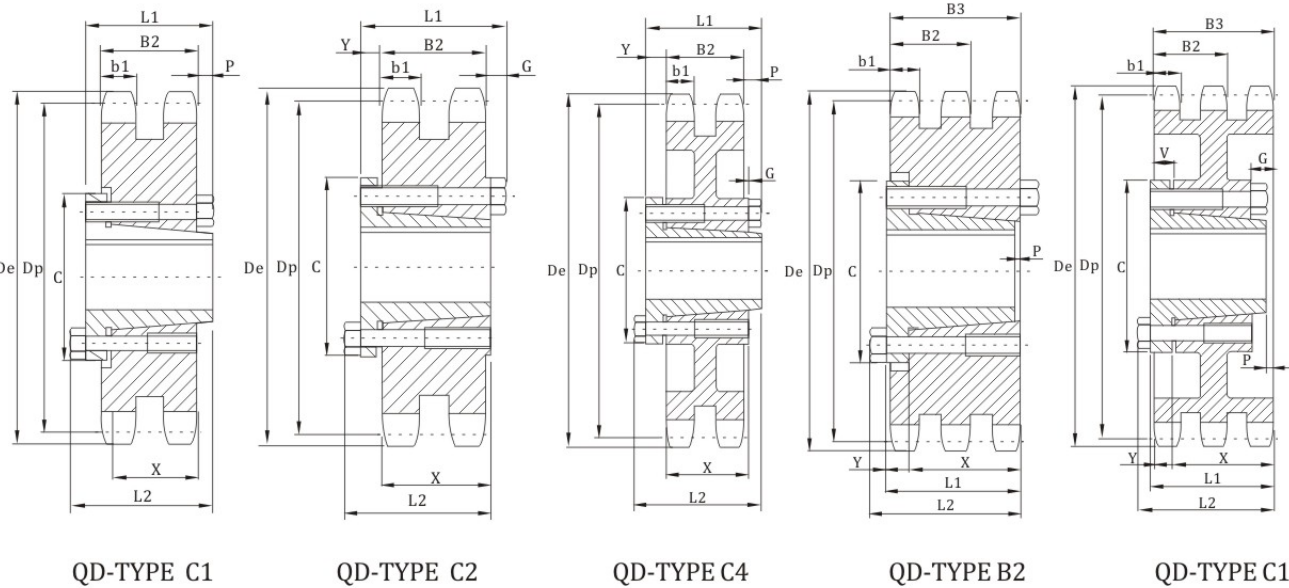


Sprockets With QD Bushings  
American Standard Series

No.60-2  
No.60-3

◇Pitch 3/4" ◇RollerΦ 0.468"

◇Tooth width b1 0.444" ◇Tooth width B2 1.341" ◇Tooth width B3 2.238"

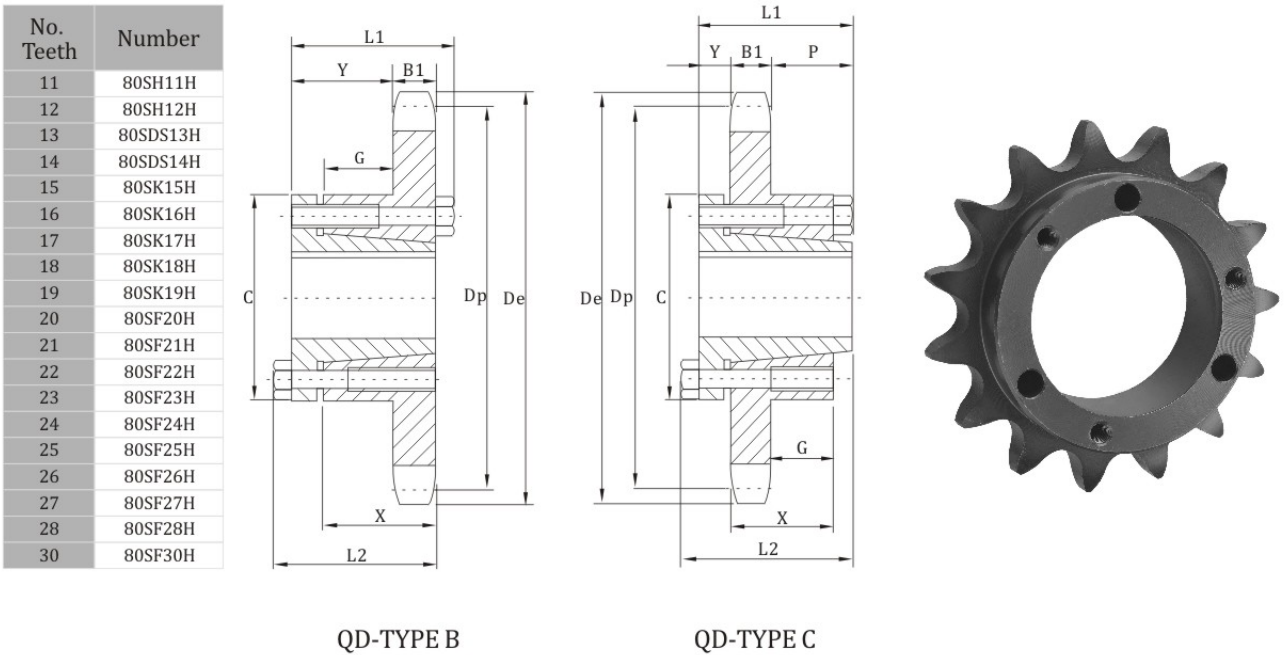


Sprockets With QD Bushings  
American Standard Series

No.80

◇Pitch 1" ◇RollerΦ 0.625" ◇Tooth width B1 0.575"

Single-Type "QD" With Hardened Teeth



Single-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1     | L2      | C       | Y       | P      | G       | X       | B1   | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|-----------|--------|---------|---------|---------|--------|---------|---------|------|-----------------|----------|
|           |         |         |        |        |      |           |        |         |         |         |        |         |         |      | With Hub        | Rim Only |
| 11        | 80SH11  | SH      | 4.010  | 3.550  | B    | 1 5/8     | 1 7/16 | 1 7/16  | 2 11/16 | 1 21/32 |        | 1 5/64  | 1 13/16 | .575 | 2.0             | 1.0      |
| 12        | 80SH12  | SH      | 4.330  | 3.864  | B    | 1 5/8     | 1 7/16 | 1 7/16  | 2 11/16 | 1 21/32 |        | 1 5/64  | 1 13/16 | .575 | 2.4             | 1.4      |
| 13        | 80SDS13 | SDS     | 4.660  | 4.179  | B    | 2         | 1 1/2  | 1 1/2   | 3 3/16  | 1 47/64 |        | 1 1/64  | 3/4     | .575 | 2.5             | 1.5      |
| 14        | 80SDS14 | SDS     | 4.980  | 4.494  | B    | 2         | 1 1/2  | 1 1/2   | 3 3/16  | 1 47/64 |        | 1 1/64  | 3/4     | .575 | 2.8             | 1.8      |
| 15        | 80SK15  | SK      | 5.300  | 4.810  | B    | 2 5/8     | 2 1/8  | 2 1/8   | 3 7/8   | 1 19/64 |        | 2 1/32  | 1 1/4   | .575 | 4.5             | 2.5      |
| 16        | 80SK16  | SK      | 5.630  | 5.126  | B    | 2 5/8     | 2 1/8  | 2 1/8   | 3 7/8   | 1 19/64 |        | 2 1/32  | 1 1/4   | .575 | 5.1             | 3.1      |
| 17        | 80SK17  | SK      | 5.950  | 5.442  | B    | 2 5/8     | 2 1/8  | 2 1/8   | 3 7/8   | 1 19/64 |        | 2 1/32  | 1 1/4   | .575 | 5.5             | 3.5      |
| 18        | 80SK18  | SK      | 6.270  | 5.759  | B    | 2 5/8     | 2 1/8  | 2 1/8   | 3 7/8   | 1 19/64 |        | 2 1/32  | 1 1/4   | .575 | 5.9             | 3.9      |
| 19        | 80SK19  | SK      | 6.590  | 6.076  | B    | 2 5/8     | 2 1/8  | 2 1/8   | 3 7/8   | 1 19/64 |        | 2 1/32  | 1 1/4   | .575 | 6.4             | 4.4      |
| 20        | 80SF20  | SF      | 6.910  | 6.392  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 8.3             | 5.3      |
| 21        | 80SF21  | SF      | 7.240  | 6.710  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 8.7             | 5.7      |
| 22        | 80SF22  | SF      | 7.560  | 7.027  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 9.3             | 6.3      |
| 23        | 80SF23  | SF      | 7.880  | 7.344  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 9.8             | 6.8      |
| 24        | 80SF24  | SF      | 8.200  | 7.661  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 10.5            | 7.5      |
| 25        | 80SF25  | SF      | 8.520  | 7.979  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 11.0            | 8.0      |
| 26        | 80SF26  | SF      | 8.840  | 8.296  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 11.6            | 8.6      |
| 27        | 80SF27  | SF      | 9.160  | 8.614  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 12.4            | 9.4      |
| 28        | 80SF28  | SF      | 9.480  | 8.931  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 13.2            | 10.2     |
| 30        | 80SF30  | SF      | 10.110 | 9.567  | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 14.3            | 11.3     |
| 32        | 80SF32  | SF      | 10.750 | 10.202 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 16.0            | 13.0     |
| 33        | 80SF33  | SF      | 11.070 | 10.520 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 16.5            | 13.5     |
| 34        | 80SF34  | SF      | 11.390 | 10.838 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 17.1            | 14.1     |
| 35        | 80SF35  | SF      | 11.710 | 11.156 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 18.5            | 15.5     |
| 36        | 80SF36  | SF      | 12.030 | 11.474 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 19.9            | 16.9     |
| 40        | 80SF40  | SF      | 13.310 | 12.746 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 23.6            | 20.6     |
| 42        | 80SF42  | SF      | 13.940 | 13.382 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 25.4            | 22.4     |
| 45        | 80SF45  | SF      | 14.900 | 14.336 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 28.1            | 25.1     |
| 48        | 80SF48  | SF      | 15.860 | 15.290 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 31.6            | 28.6     |
| 54        | 80SF54  | SF      | 17.770 | 17.198 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 39.8            | 36.8     |
| 60        | 80SF60  | SF      | 19.680 | 19.107 | B    | 2 15/16   | 2 1/4  | 2 1/4   | 4 5/8   | 1 27/64 |        | 2 1/32  | 1 1/4   | .575 | 48.8            | 45.8     |
| 70        | 80E70   | E       | 22.870 | 22.289 | C    | 3 1/2     | 2 3/8  | 2 15/16 | 6       | 7/8     | 1 3/16 | 1 3/64  | 1 5/8   | .575 | 65.6            | 55.6     |
| 72        | 80E72   | E       | 23.500 | 22.926 | C    | 3 1/2     | 2 3/8  | 2 15/16 | 6       | 7/8     | 1 3/16 | 1 3/64  | 1 5/8   | .575 | 69.3            | 59.3     |
| 80        | 80E80   | E       | 26.050 | 25.471 | C    | 3 1/2     | 2 3/8  | 2 15/16 | 6       | 7/8     | 1 3/16 | 1 3/64  | 1 5/8   | .575 | 79.2            | 69.2     |
| 84        | 80E84   | E       | 27.330 | 26.744 | C    | 3 1/2     | 2 3/8  | 2 15/16 | 6       | 7/8     | 1 3/16 | 1 3/64  | 1 5/8   | .575 | 84.9            | 74.9     |
| 96        | 80E96   | E       | 31.150 | 30.563 | C    | 3 1/2     | 2 3/8  | 2 15/16 | 6       | 7/8     | 1 3/16 | 1 3/64  | 1 5/8   | .575 | 108             | 97.5     |
| 112       | 80F112  | F       | 36.240 | 35.655 | C    | 3 15/16   | 3 3/8  | 4       | 6 5/8   | 1       | 2 1/16 | 1 59/64 | 2 1/2   | .575 | 145             | 134      |

Double-Type "QD"

| No. Teeth | Number    | Bushing | De     | Dp     | Type | Max. Bore | L1      | L2      | C       | Y     | P      | G    | X     | b1   | B2    | Weight(Approx.) |          |
|-----------|-----------|---------|--------|--------|------|-----------|---------|---------|---------|-------|--------|------|-------|------|-------|-----------------|----------|
|           |           |         |        |        |      |           |         |         |         |       |        |      |       |      |       | With Hub        | Rim Only |
| 14        | D60SH14H  | SH      | 3.740  | 3.371  | B★   | 1 5/8     | 1 31/32 | 1 31/32 | 2 11/16 | 1 1/2 |        |      |       | .444 | 1.341 | 2.5             | 1.5      |
| 22        | D60SDS22H | SDS     | 5.670  | 5.270  | B★   | 2         | 1 17/32 | 1 15/32 | 3 3/16  |       |        |      | 3/4   | .444 | 1.341 | 5.44            | 4.44     |
| 36        | D60SF36   | SF      | 9.020  | 8.605  | C1   | 2 15/16   | 2       | 2 1/4   | 4 5/8   | 3/4   |        |      | 1 1/4 | .444 | 1.341 | 19.26           | 16.26    |
| 42        | D60E42    | E       | 10.460 | 10.036 | C2   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 34.04           | 24.04    |
| 45        | D60E45    | E       | 11.180 | 10.752 | C2   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 38.26           | 28.36    |
| 52        | D60E52    | E       | 12.850 | 12.422 | C2   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 49.52           | 39.52    |
| 60        | D60E60    | E       | 14.760 | 14.331 | C2   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 63.39           | 53.74    |
| 68        | D60E68    | E       | 16.670 | 16.240 | C4   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 54.32           | 44.32    |
| 76        | D60E76    | E       | 18.580 | 18.149 | C4   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 61.48           | 51.48    |
| 95        | D60E95    | E       | 23.120 | 22.683 | C4   | 3 1/2     | 2 5/8   | 2 15/16 | 6       | 7/8   | 1 3/32 | 9/32 | 1 5/8 | .444 | 1.341 | 82.96           | 72.96    |

★ Not illustrated. Dimensions listed correspond approximately to illustrations shown.

Triple-Type "QD"

| No. Teeth | Number | Bushing | De     | Dp     | Type | Max. Bore | L1      | L2      | C | Y     | P    | G   | V    | X     | b1   | B3    | Weight(Approx.) |          |
|-----------|--------|---------|--------|--------|------|-----------|---------|---------|---|-------|------|-----|------|-------|------|-------|-----------------|----------|
|           |        |         |        |        |      |           |         |         |   |       |      |     |      |       |      |       | With Hub        | Rim Only |
| 36        | E60E36 | E       | 9.020  | 8.605  | B2   | 3 1/2     | 2 5/8   | 2 15/16 | 6 | 17/64 | 1/8  |     |      | 1 5/8 | .444 | 2.238 | 49              | 37       |
| 42        | E60E42 | E       | 10.460 | 10.036 | B2   | 3 1/2     | 2 5/8   | 2 15/16 | 6 | 17/64 | 1/8  |     |      | 1 5/8 | .444 | 2.238 | 62              | 50       |
| 52        | E60E52 | E       | 12.850 | 12.422 | B2   | 3 1/2     | 2 5/8   | 2 15/16 | 6 | 17/64 | 1/8  |     |      | 1 5/8 | .444 | 2.238 | 80              | 68       |
| 68        | E60E68 | E       | 16.670 | 16.240 | C1   | 3 1/2     | 2 13/16 | 3 7/64  | 6 | 7/16  | 3/16 | 1/8 | 5/16 | 1 5/8 | .444 | 2.238 | 83              | 71       |
| 76        | E60E76 | E       | 18.580 | 18.149 | C1   | 3 1/2     | 2 13/16 | 3 7/64  | 6 | 7/16  | 3/16 | 1/8 | 5/16 | 1 5/8 | .444 | 2.238 | 99              | 87       |
| 95        | E60E95 | E       | 23.120 | 22.683 | C1   | 3 1/2     | 2 13/16 | 3 7/64  | 6 | 7/16  | 3/16 | 1/8 | 5/16 | 1 5/8 | .444 | 2.238 | 129             | 117      |

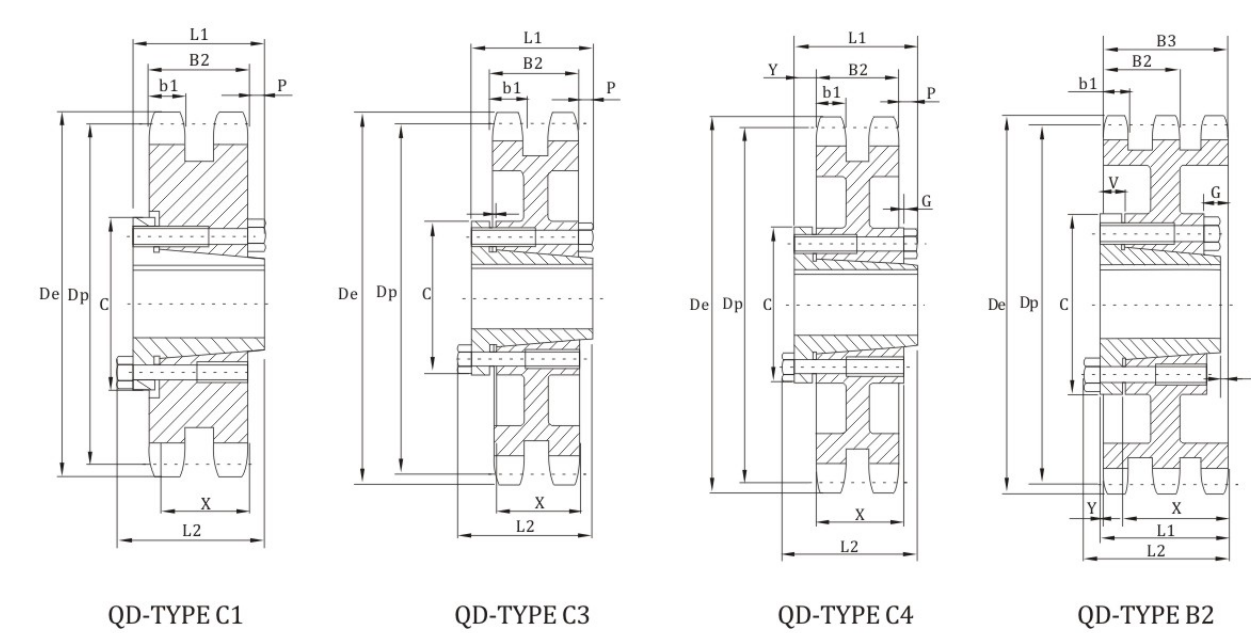


Sprockets With QD Bushings  
American Standard Series

No.80-2  
No.80-3

◇Pitch1"◇RollerΦ0.625"

◇Tooth width b10.557"◇Tooth width B21.710"◇Tooth width B32.863"



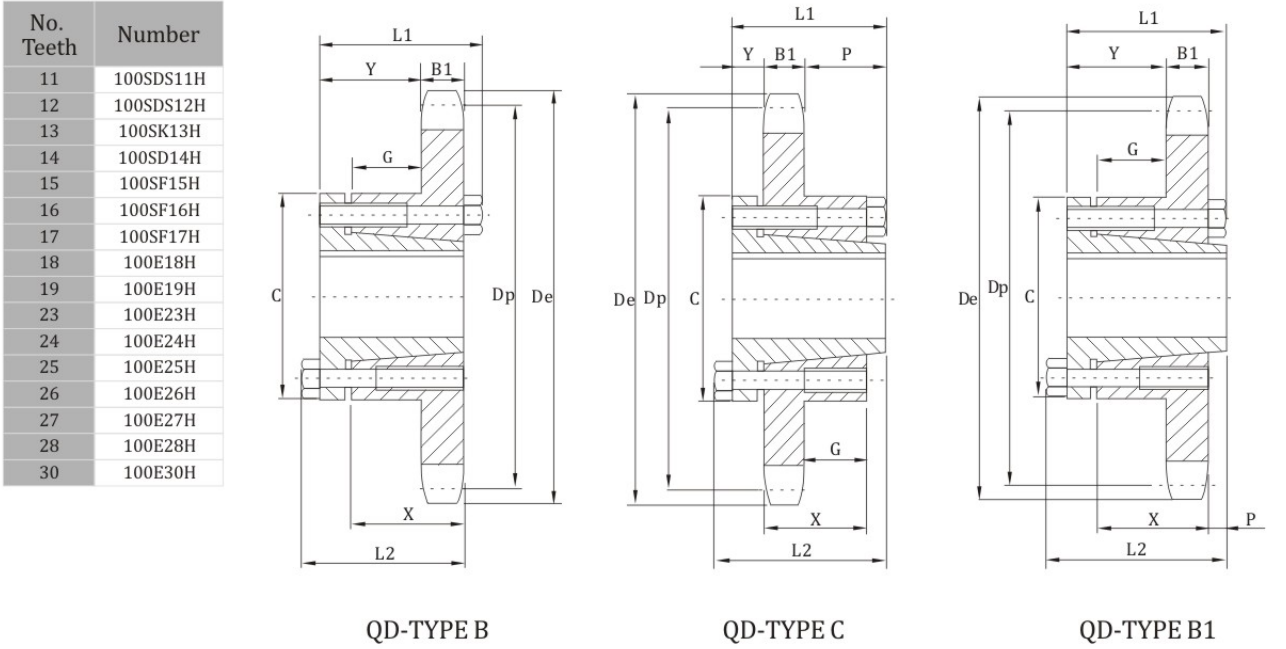
Sprockets With QD Bushings  
American Standard Series

No.100

◇Pitch1 1/4"◇RollerΦ0.750"

◇Tooth width B10.692"

Single-Type "QD" With Hardened Teeth



Double-Type "QD"

| No. Teeth | Number | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2      | C     | Y     | P     | G     | V    | X     | b1   | B2    | Weight(Approx.) |          |
|-----------|--------|---------|--------|--------|------|-----------|-------|---------|-------|-------|-------|-------|------|-------|------|-------|-----------------|----------|
|           |        |         |        |        |      |           |       |         |       |       |       |       |      |       |      |       | With Hub        | Rim Only |
| 36        | D80E36 | E       | 12.030 | 11.474 | C1   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       |      | 1 1/8 | .557 | 1.710 | 48.3            | 38.2     |
| 42        | D80E42 | E       | 13.940 | 13.382 | C1   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       |      | 1 1/8 | .557 | 1.710 | 65.3            | 55.3     |
| 45        | D80E45 | E       | 14.900 | 14.336 | C1   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       |      | 1 1/8 | .557 | 1.710 | 74.6            | 64.6     |
| 52        | D80E52 | E       | 17.130 | 16.562 | C3   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       | 3/32 | 1 1/8 | .557 | 1.710 | 68.2            | 58.2     |
| 60        | D80E60 | E       | 19.680 | 19.107 | C3   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       | 3/32 | 1 1/8 | .557 | 1.710 | 78.2            | 68.2     |
| 68        | D80E68 | E       | 22.230 | 21.653 | C3   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       | 3/32 | 1 1/8 | .557 | 1.710 | 84.2            | 74.2     |
| 76        | D80E76 | E       | 24.780 | 24.198 | C3   | 3 1/2     | 2 3/8 | 2 15/16 | 6     | 51/64 | 1/8   |       | 3/32 | 1 1/8 | .557 | 1.710 | 100             | 90.1     |
| 95        | D80F95 | F       | 30.830 | 30.245 | C4   | 3 15/16   | 3 3/8 | 4       | 6 5/8 | 1     | 59/64 | 51/64 |      | 2 1/2 | .557 | 1.710 | 152             | 140      |

Triple-Type "QD"

| No. Teeth | Number | Bushing | De     | Dp     | Type | Max. Bore | L1      | L2      | C     | Y     | P     | G   | V    | X     | b1   | B3    | Weight(Approx.) |          |
|-----------|--------|---------|--------|--------|------|-----------|---------|---------|-------|-------|-------|-----|------|-------|------|-------|-----------------|----------|
|           |        |         |        |        |      |           |         |         |       |       |       |     |      |       |      |       | With Hub        | Rim Only |
| 36        | E80E36 | E       | 12.030 | 11.474 | B2   | 3 1/2     | 3 7/64  | 3 27/64 | 6     | 1/4   | 31/64 | 1/8 | 5/8  | 1 5/8 | .557 | 2.863 | 65.1            | 55.1     |
| 42        | E80E42 | E       | 13.940 | 13.382 | B2   | 3 1/2     | 3 7/64  | 3 27/64 | 6     | 1/4   | 31/64 | 1/8 | 5/8  | 1 5/8 | .557 | 2.863 | 81.9            | 71.9     |
| 45        | E80E45 | E       | 14.900 | 14.336 | B2   | 3 1/2     | 3 7/64  | 3 27/64 | 6     | 1/4   | 31/64 | 1/8 | 5/8  | 1 5/8 | .557 | 2.863 | 75.3            | 65.3     |
| 52        | E80E52 | E       | 17.130 | 16.562 | B2   | 3 1/2     | 3 7/64  | 3 27/64 | 6     | 1/4   | 31/64 | 1/8 | 5/8  | 1 5/8 | .557 | 2.863 | 90.0            | 80.0     |
| 60        | E80F60 | F       | 19.680 | 19.107 | B2   | 3 15/16   | 3 43/64 | 4 3/64  | 6 5/8 | 13/16 | 3/64  | 1/8 | 3/16 | 2 1/2 | .557 | 2.863 | 112             | 100      |
| 68        | E80F68 | F       | 22.230 | 21.653 | B2   | 3 15/16   | 3 43/64 | 4 3/64  | 6 5/8 | 13/16 | 3/64  | 1/8 | 3/16 | 2 1/2 | .557 | 2.863 | 132             | 120      |
| 76        | E80F76 | F       | 24.780 | 24.198 | B2   | 3 15/16   | 3 43/64 | 4 3/64  | 6 5/8 | 13/16 | 3/64  | 1/8 | 3/16 | 2 1/2 | .557 | 2.863 | 150             | 138      |
| 95        | E80F95 | F       | 30.830 | 30.245 | B2   | 3 15/16   | 3 43/64 | 4 3/64  | 6 5/8 | 13/16 | 3/64  | 1/8 | 3/16 | 2 1/2 | .557 | 2.863 | 208             | 196      |

Single-Type "QD"

| No. Teeth | Number   | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2      | C      | Y       | P       | G       | X     | B1   | Weight(Approx.)   |      |
|-----------|----------|---------|--------|--------|------|-----------|-------|---------|--------|---------|---------|---------|-------|------|-------------------|------|
|           |          |         |        |        |      |           |       |         |        |         |         |         |       |      | With Hub Rim Only |      |
| 11        | 100SDS11 | SDS     | 5.010  | 4.437  | B    | 2         | 1 1/2 | 1 1/2   | 3 3/16 | 5/8     |         | 1/16    | 3/4   | .692 | 3.0               | 2.0  |
| 12        | 100SDS12 | SDS     | 5.420  | 4.830  | B    | 2         | 1 1/2 | 1 1/2   | 3 3/16 | 5/8     |         | 1/16    | 3/4   | .692 | 3.6               | 2.6  |
| 13        | 100SK13  | SK      | 5.820  | 5.223  | B    | 2 5/8     | 2 7/8 | 1 1/8   | 3 7/8  | 1 13/64 |         | 9/16    | 1 1/4 | .692 | 5.3               | 3.3  |
| 14        | 100SK14  | SK      | 6.230  | 5.617  | B    | 2 5/8     | 2 7/8 | 1 1/8   | 3 7/8  | 1 13/64 |         | 9/16    | 1 1/4 | .692 | 6.1               | 4.1  |
| 15        | 100SF15  | SF      | 6.630  | 6.012  | B    | 2 15/16   | 2 3/4 | 1 1/4   | 4 5/8  | 1 19/64 |         | 9/16    | 1 1/4 | .692 | 7.8               | 4.8  |
| 16        | 100SF16  | SF      | 7.030  | 6.407  | B    | 2 15/16   | 2 3/4 | 1 1/4   | 4 5/8  | 1 19/64 |         | 9/16    | 1 1/4 | .692 | 8.6               | 5.6  |
| 17        | 100SF17  | SF      | 7.440  | 6.803  | B    | 2 15/16   | 2 3/4 | 1 1/4   | 4 5/8  | 1 19/64 |         | 9/16    | 1 1/4 | .692 | 9.5               | 6.5  |
| 18        | 100E18   | E       | 7.840  | 7.198  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 19.0              | 9.0  |
| 19        | 100E19   | E       | 8.240  | 7.595  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 20.2              | 10.2 |
| 20        | 100E20   | E       | 8.640  | 7.991  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 21.6              | 11.6 |
| 21        | 100E21   | E       | 9.040  | 8.387  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 22.5              | 12.5 |
| 22        | 100E22   | E       | 9.440  | 8.783  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 23.5              | 13.5 |
| 23        | 100E23   | E       | 9.840  | 9.180  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 24.6              | 14.6 |
| 24        | 100E24   | E       | 10.250 | 9.577  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 25.7              | 15.7 |
| 25        | 100E25   | E       | 10.650 | 9.973  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 26.8              | 16.8 |
| 26        | 100E26   | E       | 11.050 | 10.370 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 28.1              | 18.1 |
| 27        | 100E27   | E       | 11.440 | 10.767 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 29.2              | 19.2 |
| 28        | 100E28   | E       | 11.840 | 11.164 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 30.7              | 20.7 |
| 30        | 100E30   | E       | 12.640 | 11.958 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 33.2              | 23.2 |
| 32        | 100E32   | E       | 13.440 | 12.753 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 35.4              | 25.4 |
| 35        | 100E35   | E       | 14.640 | 13.945 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 40.5              | 30.5 |
| 36        | 100E36   | E       | 15.040 | 14.342 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 42.5              | 32.3 |
| 40        | 100E40   | E       | 16.630 | 15.931 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 49.1              | 39.1 |
| 42        | 100E42   | E       | 17.430 | 16.727 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 53.4              | 43.4 |
| 45        | 100E45   | E       | 18.630 | 17.920 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 58.9              | 48.9 |
| 48        | 100E48   | E       | 19.820 | 19.112 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 1 13/16 | 1/8     | 15/16   | 1 5/8 | .692 | 64.0              | 54.0 |
| 54        | 100E54   | E       | 22.210 | 21.498 | C    | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 7/8     | 1 1/16  | 15/16   | 1 5/8 | .692 | 72.0              | 62.0 |
| 60        | 100E60   | E       | 24.600 | 23.884 | C    | 3 1/2     | 2 5/8 | 2 15/16 | 6      | 7/8     | 1 1/16  | 15/16   | 1 5/8 | .692 | 84.0              | 74.0 |
| 70        | 100F70   | F       | 28.580 | 27.862 | C    | 3 15/16   | 3 3/8 | 4       | 6 5/8  | 1       | 1 15/16 | 1 13/16 | 2 1/2 | .692 | 110.5             | 99.0 |
| 72        | 100F72   | F       | 29.380 | 28.657 | C    | 3 15/16   | 3 3/8 | 4       | 6 5/8  | 1       | 1 15/16 | 1 13/16 | 2 1/2 | .692 | 117.5             | 106  |
| 80        | 100F80   | F       | 32.570 | 31.839 | C    | 3 15/16   | 3 3/8 | 4       | 6 5/8  | 1       | 1 15/16 | 1 13/16 | 2 1/2 | .692 | 134.5             | 123  |
| 84        | 100F84   | F       | 34.160 | 33.430 | C    | 3 15/16   | 3 3/8 | 4       | 6 5/8  | 1       | 1 15/16 | 1 13/16 | 2 1/2 | .692 | 151.5             | 140  |

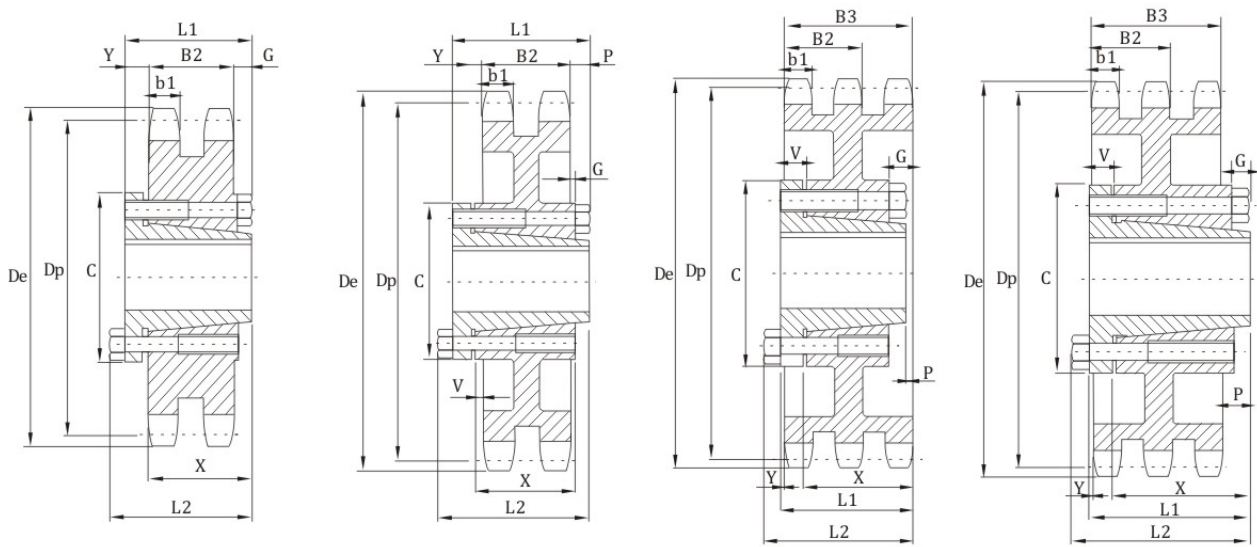


Sprockets With QD Bushings  
American Standard Series

No.100-2  
No.100-3

◇Pitch1 1/4"◇RollerΦ0.750"

◇Tooth width b10.669"◇Tooth width B22.077"◇Tooth width B33.485"



QD-TYPE C2

QD-TYPE C6

QD-TYPE B2

QD-TYPE C3

Double-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore                       | L1                            | L2 | C                             | Y                              | P                               | G                              | V                              | X                              | b1   | B2    | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|---------------------------------|-------------------------------|----|-------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|------|-------|-----------------|----------|
|           |         |         |        |        |      |                                 |                               |    |                               |                                |                                 |                                |                                |                                |      |       | With Hub        | Rim Only |
| 35        | D100F35 | F       | 14.640 | 13.945 | C2   | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4  | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 3 <sup>5</sup> / <sub>64</sub>  | 2 <sup>7</sup> / <sub>64</sub> |                                | 2 <sup>1</sup> / <sub>2</sub>  | .669 | 2.077 | 84.5            | 73       |
| 45        | D100F45 | F       | 18.630 | 17.920 | C2   | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | 4  | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 3 <sup>5</sup> / <sub>64</sub>  | 2 <sup>7</sup> / <sub>64</sub> |                                | 2 <sup>1</sup> / <sub>2</sub>  | .669 | 2.077 | 92.5            | 81       |
| 60        | D100J60 | J       | 24.600 | 23.884 | C6   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5  | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>32</sub> | 1 <sup>13</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>32</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 2.077 | 152             | 133      |
| 70        | D100J70 | J       | 28.580 | 27.862 | C6   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5  | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>32</sub> | 1 <sup>13</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>32</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 2.077 | 180             | 161      |
| 80        | D100J80 | J       | 32.570 | 31.839 | C6   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5  | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>32</sub> | 1 <sup>13</sup> / <sub>64</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>32</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 2.077 | 215             | 196      |

Triple-Type "QD"

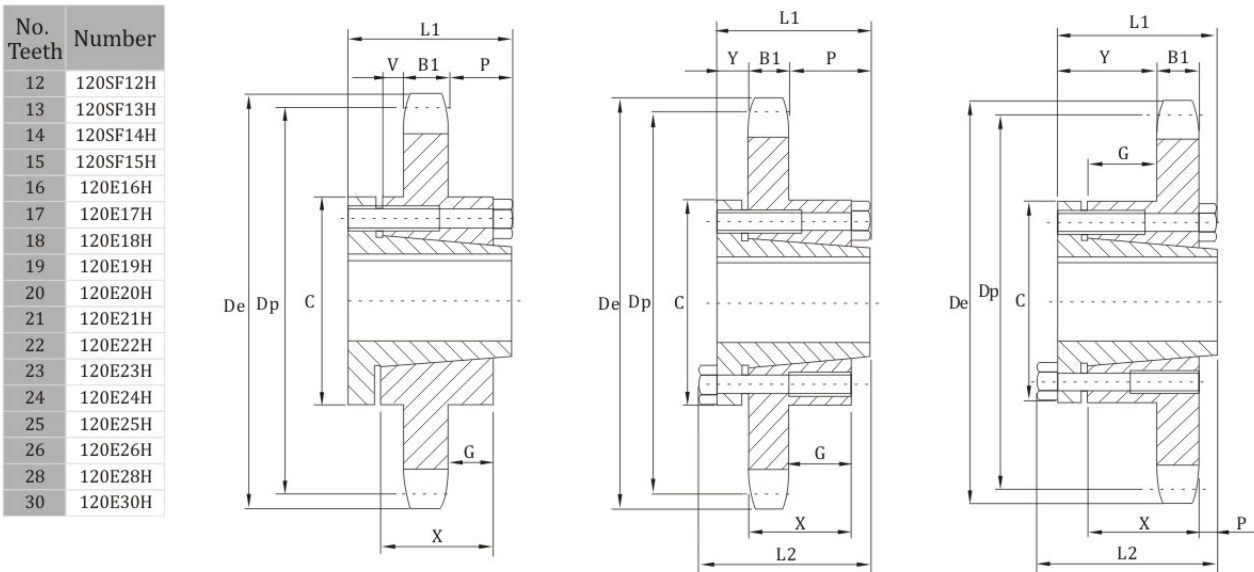
| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore                       | L1                              | L2                              | C                             | Y                             | P                               | G                             | V                               | X                              | b1   | B2    | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|---------------------------------|---------------------------------|---------------------------------|-------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------------|------|-------|-----------------|----------|
|           |         |         |        |        |      |                                 |                                 |                                 |                               |                               |                                 |                               |                                 |                                |      |       | With Hub        | Rim Only |
| 35        | E100F35 | F       | 14.640 | 13.945 | B2   | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>63</sup> / <sub>64</sub> | 4 <sup>23</sup> / <sub>64</sub> | 6 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>23</sup> / <sub>64</sub> | 1 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>2</sub>  | .669 | 3.485 | 112             | 100      |
| 45        | E100F45 | F       | 18.630 | 17.920 | B2   | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>63</sup> / <sub>64</sub> | 4 <sup>23</sup> / <sub>64</sub> | 6 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>23</sup> / <sub>64</sub> | 1 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>2</sub>  | .669 | 3.485 | 139             | 120      |
| 60        | E100J60 | J       | 24.600 | 23.884 | C3   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>64</sub>  | 3 <sup>1</sup> / <sub>8</sub> | 1 <sup>11</sup> / <sub>16</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 3.485 | 197             | 178      |
| 70        | E100J70 | J       | 28.580 | 27.862 | C3   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>64</sub>  | 3 <sup>1</sup> / <sub>8</sub> | 1 <sup>11</sup> / <sub>16</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 3.485 | 247             | 228      |
| 80        | E100J80 | J       | 32.570 | 31.839 | C3   | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>64</sub>  | 3 <sup>1</sup> / <sub>8</sub> | 1 <sup>11</sup> / <sub>16</sub> | 3 <sup>7</sup> / <sub>16</sub> | .669 | 3.485 | 287             | 268      |

Sprockets With QD Bushings  
American Standard Series

No.120

◇Pitch1 1/2"◇RollerΦ0.875"◇Tooth width B10.924"

Single-Type "QD" With Hardened Teeth



QD-TYPE C1

QD-TYPE C

QD-TYPE B1

Single-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore                       | L1                            | L2                              | C                             | Y                              | P                               | G                               | X                              | B1   | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|---------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|------|-----------------|----------|
|           |         |         |        |        |      |                                 |                               |                                 |                               |                                |                                 |                                 |                                |      | With Hub        | Rim Only |
| 12        | 120SF12 | SF      | 6.500  | 5.796  | B    | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>4</sub>   | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>64</sub> |                                 | 2 <sup>1</sup> / <sub>64</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | .924 | 7.7             | 4.7      |
| 13        | 120SF13 | SF      | 6.990  | 6.268  | B    | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>4</sub>   | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>64</sub> |                                 | 2 <sup>1</sup> / <sub>64</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | .924 | 9.1             | 6.1      |
| 14        | 120SF14 | SF      | 7.470  | 6.741  | B    | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>4</sub>   | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>64</sub> |                                 | 2 <sup>1</sup> / <sub>64</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | .924 | 10.4            | 7.4      |
| 15        | 120SF15 | SF      | 7.960  | 7.215  | B    | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>4</sub>   | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>64</sub> |                                 | 2 <sup>1</sup> / <sub>64</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | .924 | 11.8            | 8.0      |
| 16        | 120E16  | E       | 8.440  | 7.689  | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 21.2            | 11.2     |
| 17        | 120E17  | E       | 8.920  | 8.163  | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 23.4            | 13.4     |
| 18        | 120E18  | E       | 9.410  | 8.638  | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 24.8            | 14.8     |
| 19        | 120E19  | E       | 9.890  | 9.113  | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 26.5            | 16.5     |
| 20        | 120E20  | E       | 10.370 | 9.589  | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 29.2            | 19.2     |
| 21        | 120E21  | E       | 10.850 | 10.064 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 29.9            | 19.9     |
| 22        | 120E22  | E       | 11.330 | 10.540 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 31.6            | 21.6     |
| 23        | 120E23  | E       | 11.810 | 11.016 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 33.8            | 23.8     |
| 24        | 120E24  | E       | 12.290 | 11.492 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 35.8            | 25.8     |
| 25        | 120E25  | E       | 12.770 | 11.968 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 38.1            | 28.1     |
| 26        | 120E26  | E       | 13.250 | 12.444 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 39.9            | 29.9     |
| 28        | 120E28  | E       | 14.210 | 13.397 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 49.7            | 34.7     |
| 30        | 120E30  | E       | 15.170 | 14.350 | B1   | 3 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>15</sup> / <sub>16</sub> | 6                             | 1 <sup>9</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>5</sup> / <sub>64</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | .924 | 49.4            | 39.4     |
| 32        | 120F32  | F       | 16.130 | 15.303 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 62.0            | 50.5     |
| 35        | 120F35  | F       | 17.570 | 16.734 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 71.0            | 59.5     |
| 36        | 120F36  | F       | 18.050 | 17.211 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 74.9            | 63.4     |
| 40        | 120F40  | F       | 19.960 | 19.118 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 88.5            | 77.0     |
| 42        | 120F42  | F       | 20.920 | 20.072 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 94.5            | 83.0     |
| 45        | 120F45  | F       | 22.350 | 21.503 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 95.5            | 84.0     |
| 48        | 120F48  | F       | 23.790 | 22.935 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 103.5           | 92.0     |
| 54        | 120F54  | F       | 26.650 | 25.798 | C    | 3 <sup>15</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | 4                               | 6 <sup>5</sup> / <sub>8</sub> | 1                              | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>37</sup> / <sub>64</sub> | 2 <sup>1</sup> / <sub>2</sub>  | .924 | 125             | 114      |
| 60        | 120J60  | J       | 29.520 | 28.661 | C    | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>16</sub>  | 2 <sup>17</sup> / <sub>64</sub> | 3 <sup>3</sup> / <sub>16</sub> | .924 | 159             | 140      |
| 70        | 120J70  | J       | 34.300 | 33.434 | C    | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>16</sub>  | 2 <sup>17</sup> / <sub>64</sub> | 3 <sup>3</sup> / <sub>16</sub> | .924 | 196             | 177      |
| 80        | 120J80  | J       | 39.080 | 38.207 | C    | 4 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 5                               | 7 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>16</sub>  | 2 <sup>17</sup> / <sub>64</sub> | 3 <sup>3</sup> / <sub>16</sub> | .924 | 241             | 222      |

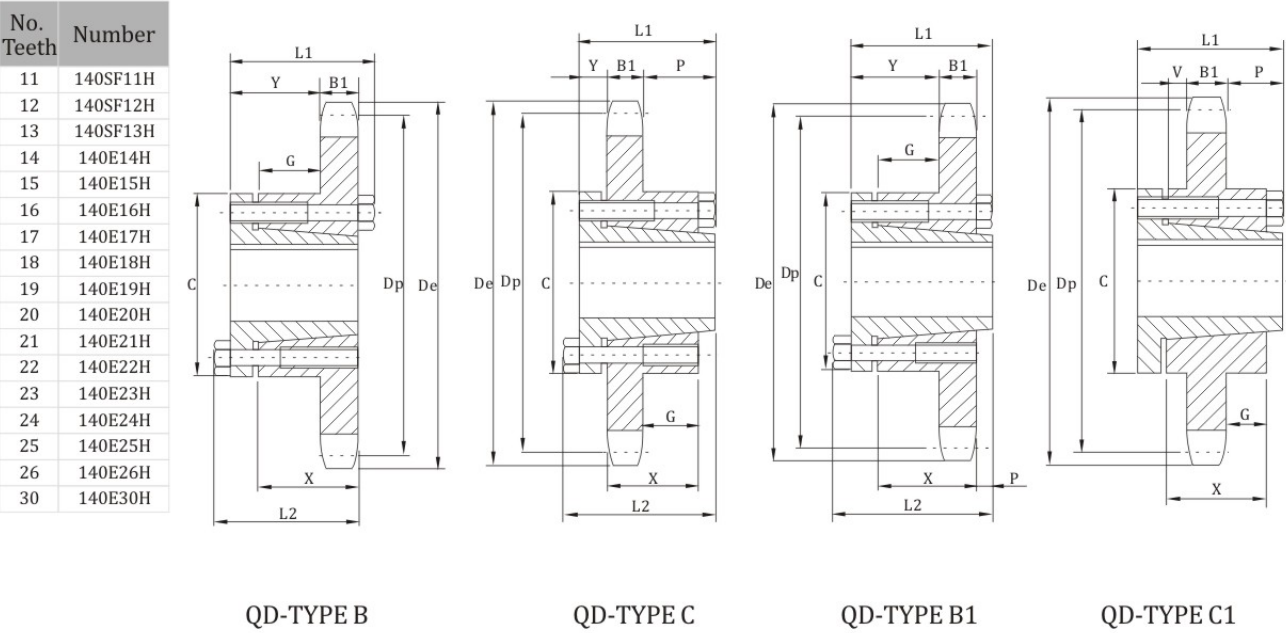


Sprockets With QD Bushings  
American Standard Series

No.140

◇Pitch 1 3/4" ◇Roller Φ 1.000" ◇Tooth width b1 0.924"

Single-Type "QD" With Hardened Teeth



Single-Taper Bushed

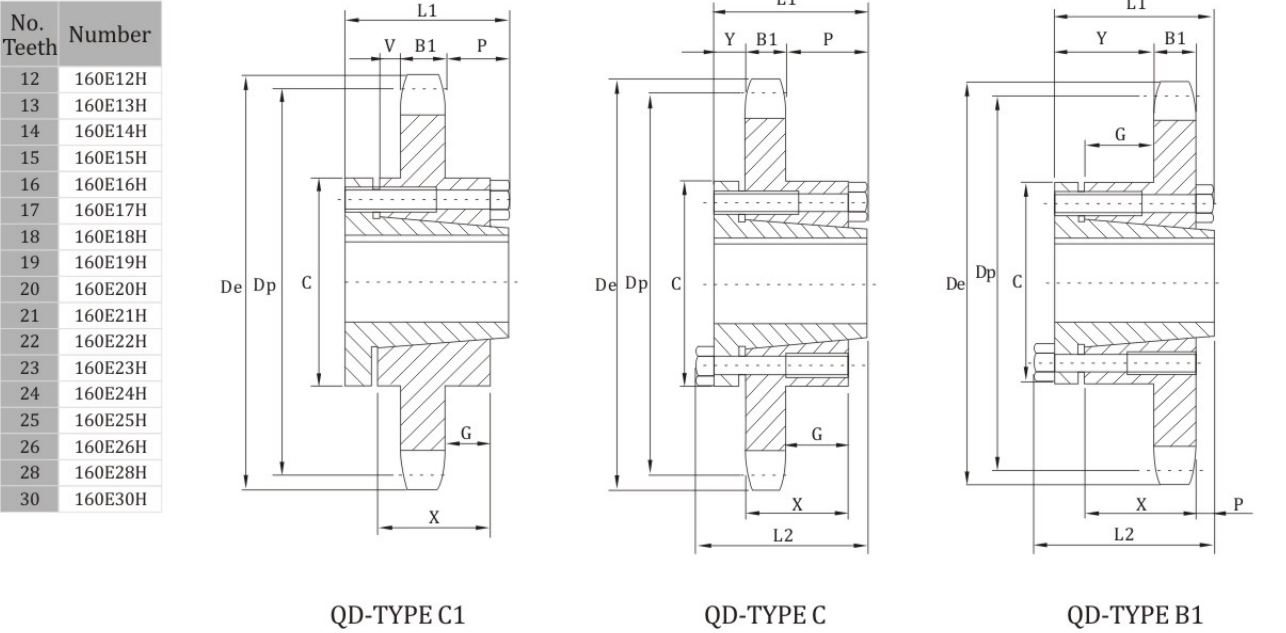
| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2      | C     | Y       | P       | G       | V       | X      | B1   | Weight(Approx.) |          |
|-----------|---------|---------|--------|--------|------|-----------|-------|---------|-------|---------|---------|---------|---------|--------|------|-----------------|----------|
|           |         |         |        |        |      |           |       |         |       |         |         |         |         |        |      | With Hub        | Rim Only |
| 11        | 140SF11 | SF      | 7.010  | 6.212  | B    | 2 15/16   | 2 1/4 | 2 1/4   | 4 3/8 | 1 5/64  |         | 2 1/64  |         | 1 1/4  | .924 | 8.6             | 5.6      |
| 12        | 140SF12 | SF      | 7.580  | 6.762  | B    | 2 15/16   | 2 1/4 | 2 1/4   | 4 5/8 | 1 5/64  |         | 2 1/64  |         | 1 1/4  | .924 | 10.4            | 7.4      |
| 13        | 140SF13 | SF      | 8.150  | 7.313  | B    | 2 15/16   | 2 1/4 | 2 1/4   | 4 5/8 | 1 5/64  |         | 2 1/64  |         | 1 1/4  | .924 | 11.9            | 8.9      |
| 14        | 140E14  | E       | 8.720  | 7.864  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 21.6            | 11.6     |
| 15        | 140E15  | E       | 9.280  | 8.417  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 24.2            | 14.2     |
| 16        | 140E16  | E       | 9.850  | 8.970  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 25.9            | 15.9     |
| 17        | 140E17  | E       | 10.410 | 9.524  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 28.0            | 18.0     |
| 18        | 140E18  | E       | 10.980 | 10.078 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 29.6            | 19.6     |
| 19        | 140E19  | E       | 11.540 | 10.632 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 32.0            | 22.0     |
| 20        | 140E20  | E       | 12.100 | 11.187 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 34.6            | 24.6     |
| 21        | 140E21  | E       | 12.660 | 11.742 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 37.6            | 27.6     |
| 22        | 140E22  | E       | 13.220 | 12.297 | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 9/16  | 1/8     | 45/64   |         | 1 5/8  | .924 | 39.5            | 29.5     |
| 23        | 140F23  | F       | 13.780 | 12.852 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 9/16  | 1/8     | 137/64  |         | 2 1/2  | .924 | 48.0            | 36.4     |
| 24        | 140F24  | F       | 14.340 | 13.407 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 9/16  | 1/8     | 137/64  |         | 2 1/2  | .924 | 51.6            | 40.1     |
| 25        | 140F25  | F       | 14.900 | 13.963 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 9/16  | 1/8     | 137/64  |         | 2 1/2  | .924 | 53.8            | 42.3     |
| 26        | 140F26  | F       | 15.460 | 14.518 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 9/16  | 1/8     | 137/64  |         | 2 1/2  | .924 | 58.0            | 46.5     |
| 30        | 140F30  | F       | 17.700 | 16.742 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 9/16  | 1 11/16 | 137/64  |         | 2 1/2  | .924 | 72.0            | 60.4     |
| 35        | 140F35  | F       | 20.490 | 19.523 | C    | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 1       | 1 11/16 | 137/64  |         | 2 1/2  | .924 | 89.5            | 78.0     |
| 36        | 140F36  | F       | 21.050 | 20.079 | C    | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 1       | 2 3/8   | 137/64  |         | 2 1/2  | .924 | 95.5            | 84.0     |
| 40        | 140J40  | J       | 23.290 | 22.305 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 3/8   | 2 17/64 |         | 3 3/16 | .924 | 117             | 98.0     |
| 45        | 140J45  | J       | 26.080 | 25.087 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 3/8   | 2 17/64 |         | 3 3/16 | .924 | 139             | 120      |
| 48        | 140J48  | J       | 27.750 | 26.757 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 3/8   | 2 17/64 |         | 3 3/16 | .924 | 148             | 129      |
| 54        | 140J54  | J       | 31.100 | 30.097 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 3/8   | 2 17/64 |         | 3 3/16 | .924 | 168             | 149      |
| 60        | 140J60  | J       | 34.440 | 33.438 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 3/8   | 2 17/64 |         | 3 3/16 | .924 | 205             | 186      |
| 70        | 140M70  | M       | 40.020 | 39.006 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 29/32 | 2 29/32 | 2 17/32 | 1 13/32 | 5 3/16 | .924 | 301             | 264      |
| 80        | 140M80  | M       | 45.590 | 44.575 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 29/32 | 2 29/32 | 2 17/32 | 1 13/32 | 5 3/16 | .924 | 385             | 348      |

Sprockets With QD Bushings  
American Standard Series

No.160

◇Pitch 2" ◇Roller Φ 1.125" ◇Tooth width B1 1.156"

Single-Type "QD" With Hardened Teeth



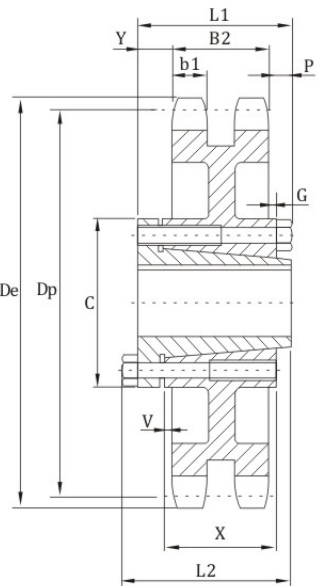
Single-Type "QD"

| No. Teeth | Number | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2      | C     | Y       | P       | G       | V       | X      | B1    | Weight(Approx.) |          |
|-----------|--------|---------|--------|--------|------|-----------|-------|---------|-------|---------|---------|---------|---------|--------|-------|-----------------|----------|
|           |        |         |        |        |      |           |       |         |       |         |         |         |         |        |       | With Hub        | Rim Only |
| 12        | 160E12 | E       | 8.660  | 7.727  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 15/16 | 1/8     | 15/32   |         | 1 5/8  | 1.156 | 21.0            | 11       |
| 13        | 160E13 | E       | 9.310  | 8.357  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 15/16 | 1/8     | 15/32   |         | 1 5/8  | 1.156 | 24.0            | 14       |
| 14        | 160E14 | E       | 9.960  | 8.988  | B1   | 3 1/2     | 2 5/8 | 2 15/16 | 6     | 1 15/16 | 1/8     | 15/32   |         | 1 5/8  | 1.156 | 26.0            | 16       |
| 15        | 160F15 | F       | 10.610 | 9.620  | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 35.5            | 24       |
| 16        | 160F16 | F       | 11.260 | 10.252 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 38.5            | 27       |
| 17        | 160F17 | F       | 11.900 | 10.885 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 42.5            | 31       |
| 18        | 160F18 | F       | 12.540 | 11.518 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 46.5            | 35       |
| 19        | 160F19 | F       | 13.190 | 12.151 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 49.5            | 38       |
| 20        | 160F20 | F       | 13.830 | 12.785 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 53.5            | 42       |
| 21        | 160F21 | F       | 14.740 | 13.419 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 56.5            | 45       |
| 22        | 160F22 | F       | 15.110 | 14.053 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 62.5            | 51       |
| 23        | 160F23 | F       | 15.750 | 14.688 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 66.5            | 55       |
| 24        | 160F24 | F       | 16.390 | 15.323 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 70.5            | 59       |
| 25        | 160F25 | F       | 17.030 | 15.958 | B1   | 3 15/16   | 3 5/8 | 4       | 6 5/8 | 2 5/16  | 1/8     | 1 11/32 |         | 2 1/2  | 1.156 | 75.5            | 64       |
| 26        | 160J26 | J       | 17.670 | 16.593 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 1/8   | 2 1/32  |         | 3 3/16 | 1.156 | 92.5            | 74       |
| 28        | 160J28 | J       | 18.950 | 17.863 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 1/8   | 2 1/32  |         | 3 3/16 | 1.156 | 103             | 84       |
| 30        | 160J30 | J       | 20.230 | 19.134 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 1/8   | 2 1/32  |         | 3 3/16 | 1.156 | 115             | 96       |
| 35        | 160J35 | J       | 23.420 | 22.312 | C    | 4 7/16    | 4 1/2 | 5       | 7 1/4 | 1 3/16  | 2 1/8   | 2 1/32  |         | 3 3/16 | 1.156 | 135             | 116      |
| 40        | 160M40 | M       | 26.610 | 25.491 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 211             | 174      |
| 45        | 160M45 | M       | 29.800 | 28.671 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 245             | 208      |
| 54        | 160M54 | M       | 35.540 | 34.397 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 299             | 262      |
| 60        | 160M60 | M       | 39.360 | 38.215 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 347             | 310      |
| 70        | 160M70 | M       | 45.730 | 44.578 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 468             | 431      |
| 80        | 160M80 | M       | 52.100 | 50.943 | C1   | 5 1/2     | 6 3/4 | 6 3/4   | 9     | 2 11/16 | 2 11/16 | 2 13/32 | 1 19/32 | 5 3/16 | 1.156 | 567             | 530      |

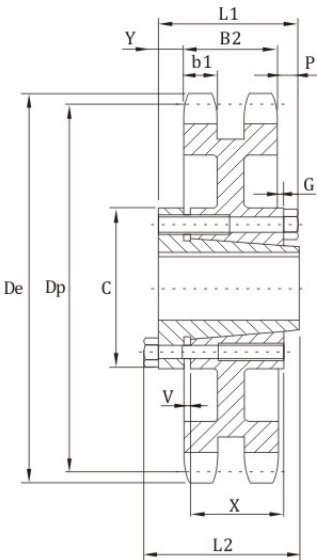


Sprockets With QD Bushings  
American Standard Series

No.120-2  
No.140-2  
No.160-2



QD-TYPE C6



QD-TYPE C5

◇Pitch 1 1/2" ◇RollerΦ 0.875"  
◇Tooth width b1 0.894" ◇Tooth width B2 2.683"

Double-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y      | P       | G       | V     | X      | b1   | B2    | Weight(Approx.)<br>With Hub Rim Only |      |
|-----------|---------|---------|--------|--------|------|-----------|-------|-------|-------|--------|---------|---------|-------|--------|------|-------|--------------------------------------|------|
| 30        | D120J30 | J       | 15.170 | 14.350 | C5   | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 1/32 | 2 5/32  | 2 1/32  | 5/32  | 3 3/16 | .894 | 2.683 | 97.8                                 | 78.0 |
| 35        | D120J35 | J       | 17.570 | 16.734 | C5   | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 1/32 | 2 5/32  | 2 1/32  | 5/32  | 3 3/16 | .894 | 2.683 | 112                                  | 93.0 |
| 45        | D120J45 | J       | 22.350 | 21.502 | C5   | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 1/32 | 2 5/32  | 2 1/32  | 5/32  | 3 3/16 | .894 | 2.683 | 157                                  | 138  |
| 60        | D120M60 | M       | 29.520 | 28.661 | C6   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 9/32 | 1 25/32 | 1 21/32 | 27/32 | 5 3/16 | .894 | 2.683 | 271                                  | 234  |

◇Pitch 1 3/4" ◇RollerΦ 1.000"  
◇Tooth width b1 0.894" ◇Tooth width B2 2.818"

Double-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y      | P       | G       | V     | X      | b1   | B2    | Weight(Approx.)<br>With Hub Rim Only |     |
|-----------|---------|---------|--------|--------|------|-----------|-------|-------|-------|--------|---------|---------|-------|--------|------|-------|--------------------------------------|-----|
| 30        | D140J30 | J       | 20.490 | 19.523 | C5   | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 3 1/32 | 2 2/32  | 1 9/32  | 7/32  | 3 3/16 | .894 | 2.818 | 137                                  | 128 |
| 45        | D140J45 | J       | 26.080 | 25.087 | C5   | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 3 1/32 | 2 2/32  | 1 9/32  | 7/32  | 3 3/16 | .894 | 2.818 | 195                                  | 176 |
| 60        | D140M60 | M       | 34.440 | 33.438 | C6   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 7/32 | 1 23/32 | 1 19/32 | 25/32 | 5 3/16 | .894 | 2.818 | 339                                  | 302 |

◇Pitch 2" ◇RollerΦ 1.125"  
◇Tooth width b1 1.119" ◇Tooth width B2 3.424"

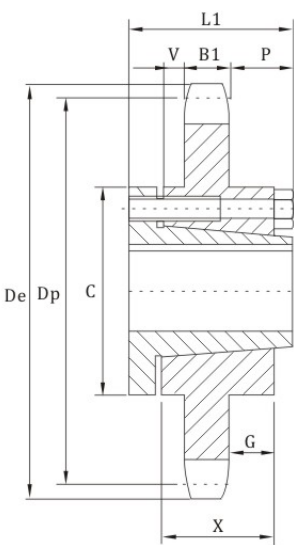
Double-Type "QD"

| No. Teeth | Number  | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C  | Y       | P       | G      | V     | X      | b1    | B2    | Weight(Approx.)<br>With Hub Rim Only |     |
|-----------|---------|---------|--------|--------|------|-----------|-------|-------|----|---------|---------|--------|-------|--------|-------|-------|--------------------------------------|-----|
| 30        | D160M30 | M       | 23.420 | 22.312 | C6   | 5 1/2     | 6 3/4 | 6 3/4 | 9  | 2 3/64  | 1 9/32  | 1 5/32 | 39/64 | 5 3/16 | 1.119 | 3.424 | 259                                  | 222 |
| 45        | D160N45 | N       | 29.800 | 28.671 | C6   | 6         | 8 1/8 | 8 1/8 | 10 | 2 11/32 | 2 23/64 | 2 5/32 | 21/32 | 6 1/4  | 1.119 | 3.424 | 377                                  | 340 |
| 60        | D160N60 | N       | 39.360 | 38.215 | C6   | 6         | 8 1/8 | 8 1/8 | 10 | 2 11/32 | 2 23/64 | 2 5/32 | 21/32 | 6 1/4  | 1.119 | 3.424 | 509                                  | 472 |

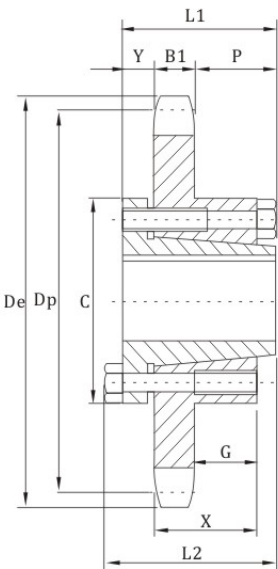
Sprockets With QD Bushings  
American Standard Series

No.200

◇Pitch 2 1/2" ◇RollerΦ 1.562" ◇Tooth width B1 1.389"



QD-TYPE C1



QD-TYPE C



Single-Type "QD"

| No. Teeth | Number | Bushing | De     | Dp     | Type | Max. Bore | L1    | L2    | C     | Y       | P       | G       | V       | X      | B1    | Weight(Approx.)<br>With Hub Rim Only |     |
|-----------|--------|---------|--------|--------|------|-----------|-------|-------|-------|---------|---------|---------|---------|--------|-------|--------------------------------------|-----|
| 12        | 200F12 | F       | 10.830 | 9.660  | C    | 3 15/16   | 3 5/8 | 4     | 6 5/8 | 1       | 1 5/16  | 1 1/8   |         | 2 1/2  | 1.389 | 25.5                                 | 24  |
| 13        | 200J13 | J       | 11.640 | 10.447 | C    | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 3/16  | 2       | 1 13/16 |         | 3 3/16 | 1.389 | 50.5                                 | 32  |
| 14        | 200J14 | J       | 12.460 | 11.235 | C    | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 3/16  | 2       | 1 13/16 |         | 3 3/16 | 1.389 | 57.5                                 | 39  |
| 15        | 200J15 | J       | 13.260 | 12.025 | C    | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 3/16  | 2       | 1 13/16 |         | 3 3/16 | 1.389 | 62.5                                 | 44  |
| 16        | 200J16 | J       | 14.070 | 12.815 | C    | 4 7/16    | 4 1/2 | 5     | 7 1/4 | 1 3/16  | 2       | 1 13/16 |         | 3 3/16 | 1.389 | 68.5                                 | 50  |
| 17        | 200M17 | M       | 14.870 | 13.605 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 113                                  | 76  |
| 18        | 200M18 | M       | 15.680 | 14.397 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 119                                  | 82  |
| 19        | 200M19 | M       | 16.480 | 15.910 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 125                                  | 88  |
| 20        | 200M20 | M       | 17.290 | 15.982 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 134                                  | 97  |
| 21        | 200M21 | M       | 18.090 | 16.775 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 140                                  | 103 |
| 22        | 200M22 | M       | 18.890 | 17.567 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 149                                  | 112 |
| 23        | 200M23 | M       | 19.690 | 18.360 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 157                                  | 120 |
| 24        | 200M24 | M       | 20.490 | 19.152 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 168                                  | 131 |
| 25        | 200M25 | M       | 21.290 | 19.947 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 175                                  | 138 |
| 26        | 200M26 | M       | 22.090 | 20.740 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 185                                  | 148 |
| 28        | 200M28 | M       | 23.690 | 22.330 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 205                                  | 168 |
| 30        | 200M30 | M       | 25.290 | 23.917 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 227                                  | 190 |
| 32        | 200M32 | M       | 26.880 | 25.505 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 251                                  | 214 |
| 35        | 200M35 | M       | 29.280 | 27.890 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 265                                  | 228 |
| 40        | 200M40 | M       | 33.270 | 31.865 | C1   | 5 1/2     | 6 3/4 | 6 3/4 | 9     | 2 23/32 | 2 23/32 | 2 5/16  | 1 1/2   | 5 3/16 | 1.389 | 315                                  | 278 |
| 45        | 200N45 | N       | 37.250 | 35.840 | C1   | 5 7/8     | 8 1/8 | 8 1/8 | 10    | 3 13/32 | 3 13/32 | 3 3/16  | 1 11/16 | 6 1/4  | 1.389 | 405                                  | 348 |
| 54        | 200N54 | N       | 44.420 | 42.995 | C1   | 5 7/8     | 8 1/8 | 8 1/8 | 10    | 3 13/32 | 3 13/32 | 3 3/16  | 1 11/16 | 6 1/4  | 1.389 | 535                                  | 478 |
| 60        | 200N60 | N       | 49.200 | 47.767 | C1   | 5 7/8     | 8 1/8 | 8 1/8 | 10    | 3 13/32 | 3 13/32 | 3 3/16  | 1 11/16 | 6 1/4  | 1.389 | 665                                  | 608 |