



## List 6520

A BRAND ADO-8D



SPEED FEED  
306

CARBIDE

EgiAs



2 FLUTE

TAPER

30°

SHANK  
h6

PACKED  
1 PIECE



| Cutting Diameter Tolerance (h8) |             |              |
|---------------------------------|-------------|--------------|
| Size (mm)                       | mm          | inch         |
| 2 ≤ D ≤ 3                       | +0 / -0.014 | +0 / -0.0006 |
| 3 < D ≤ 6                       | +0 / -0.018 | +0 / -0.0007 |
| 6 < D ≤ 10                      | +0 / -0.022 | +0 / -0.0009 |
| 10 < D ≤ 15.88                  | +0 / -0.027 | +0 / -0.0011 |

| EDP Number |   | Diameter (D)    |           |             |       |         | Flute Length | Overall Length | Shank Diameter |        |
|------------|---|-----------------|-----------|-------------|-------|---------|--------------|----------------|----------------|--------|
|            |   | Fractional Size | Wire Gage | Letter Size | mm    | Inch    | FL (mm)      | L (mm)         | d (in)         | d (mm) |
| 8694200    | ● | -               | -         | -           | 2.000 | 0.07874 | 22.00        | 75.00          | -              | 3.00   |
| 8694210    | ● | -               | -         | -           | 2.100 | 0.08268 | 24.00        | 75.00          | -              | 3.00   |
| 8694220    | ● | -               | -         | -           | 2.200 | 0.08661 | 25.00        | 75.00          | -              | 3.00   |
| 8694230    | ● | -               | -         | -           | 2.300 | 0.09055 | 26.00        | 75.00          | -              | 3.00   |
| 652009312  | ● | 3/32            | -         | -           | 2.381 | 0.09375 | 27.00        | 75.00          | -              | 3.00   |
| 8694240    | ● | -               | -         | -           | 2.400 | 0.09449 | 27.00        | 75.00          | -              | 3.00   |
| 8694250    | ● | -               | -         | -           | 2.500 | 0.09843 | 28.00        | 75.00          | -              | 3.00   |
| 8694260    | ● | -               | -         | -           | 2.600 | 0.10236 | 29.00        | 80.00          | -              | 3.00   |
| 8694270    | ● | -               | -         | -           | 2.700 | 0.10630 | 30.00        | 80.00          | -              | 3.00   |
| 652010911  | ● | 7/64            | -         | -           | 2.778 | 0.10938 | 31.00        | 80.00          | -              | 3.00   |
| 8694280    | ● | -               | -         | -           | 2.800 | 0.11024 | 31.00        | 80.00          | -              | 3.00   |
| 8694290    | ● | -               | -         | -           | 2.900 | 0.11417 | 32.00        | 80.00          | -              | 3.00   |
| 8694300    | ● | -               | -         | -           | 3.000 | 0.11811 | 33.00        | 80.00          | -              | 3.00   |
| 8694310    | ● | -               | -         | -           | 3.100 | 0.12205 | 34.00        | 95.00          | -              | 4.00   |
| 652012511  | ● | 1/8             | -         | -           | 3.175 | 0.12500 | 35.00        | 95.00          | 0.125          | -      |
| 8694320    | ● | -               | -         | -           | 3.200 | 0.12598 | 36.00        | 95.00          | -              | 4.00   |
| 8694330    | ● | -               | -         | -           | 3.300 | 0.12992 | 36.00        | 95.00          | -              | 4.00   |
| 8694340    | ● | -               | -         | -           | 3.400 | 0.13386 | 37.00        | 95.00          | -              | 4.00   |
| 8694350    | ● | -               | -         | -           | 3.500 | 0.13780 | 39.00        | 95.00          | -              | 4.00   |
| 8694360    | ● | -               | -         | -           | 3.600 | 0.14173 | 40.00        | 95.00          | -              | 4.00   |
| 8694370    | ● | -               | -         | -           | 3.700 | 0.14567 | 41.00        | 95.00          | -              | 4.00   |
| 8694380    | ● | -               | -         | -           | 3.800 | 0.14961 | 42.00        | 95.00          | -              | 4.00   |
| 8694390    | ● | -               | -         | -           | 3.900 | 0.15354 | 43.00        | 95.00          | -              | 4.00   |
| 652015511  | ● | 5/32            | -         | -           | 3.969 | 0.15625 | 44.00        | 95.00          | 0.188          | -      |
| 8694400    | ● | -               | -         | -           | 4.000 | 0.15748 | 44.00        | 95.00          | -              | 4.00   |
| 652016011  | ● | -               | 20        | -           | 4.089 | 0.16100 | 45.00        | 105.00         | -              | 6.00   |
| 8704410    | ● | -               | -         | -           | 4.100 | 0.16142 | 45.00        | 105.00         | -              | 6.00   |
| 8704420    | ● | -               | -         | -           | 4.200 | 0.16535 | 46.00        | 105.00         | -              | 6.00   |
| 8704430    | ● | -               | -         | -           | 4.300 | 0.16929 | 47.00        | 105.00         | -              | 6.00   |
| 652017111  | ● | 11/64           | -         | -           | 4.366 | 0.17188 | 47.00        | 105.00         | 0.188          | -      |
| 8704440    | ● | -               | -         | -           | 4.400 | 0.17323 | 48.00        | 105.00         | -              | 6.00   |
| 8694450    | ● | -               | -         | -           | 4.500 | 0.17717 | 50.00        | 105.00         | -              | 5.00   |
| 8704450    | ● | -               | -         | -           | 4.500 | 0.17717 | 50.00        | 105.00         | -              | 6.00   |
| 8704460    | ● | -               | -         | -           | 4.600 | 0.18110 | 51.00        | 105.00         | -              | 6.00   |
| 8704470    | ● | -               | -         | -           | 4.700 | 0.18504 | 52.00        | 105.00         | -              | 6.00   |
| 652018711  | ● | 3/16            | -         | -           | 4.763 | 0.18750 | 52.00        | 105.00         | 0.188          | -      |
| 8704480    | ● | -               | -         | -           | 4.800 | 0.18898 | 53.00        | 105.00         | -              | 6.00   |
| 8704490    | ● | -               | -         | -           | 4.900 | 0.19291 | 54.00        | 105.00         | -              | 6.00   |
| 8694500    | ● | -               | -         | -           | 5.000 | 0.19685 | 55.00        | 105.00         | -              | 5.00   |
| 8704500    | ● | -               | -         | -           | 5.000 | 0.19685 | 55.00        | 105.00         | -              | 6.00   |
| 8704510    | ● | -               | -         | -           | 5.100 | 0.20079 | 56.00        | 115.00         | -              | 6.00   |
| 652020211  | ● | 13/64           | -         | -           | 5.159 | 0.20313 | 57.00        | 115.00         | 0.250          | -      |
| 8704520    | ● | -               | -         | -           | 5.200 | 0.20472 | 57.00        | 115.00         | -              | 6.00   |
| 8704530    | ● | -               | -         | -           | 5.300 | 0.20866 | 58.00        | 115.00         | -              | 6.00   |
| 8704540    | ● | -               | -         | -           | 5.400 | 0.21260 | 59.00        | 115.00         | -              | 6.00   |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



CONTINUED ➔

| P Steel      |        |      |             |           | M               |     |         | K         | N           |              | S        |                | H              |           |           |           |
|--------------|--------|------|-------------|-----------|-----------------|-----|---------|-----------|-------------|--------------|----------|----------------|----------------|-----------|-----------|-----------|
| Carbon Steel |        |      | Alloy Steel | Die Steel | Stainless Steel |     |         | Cast Iron | Non-Ferrous |              | HRSA     |                | Hardened Steel |           |           |           |
| Low          | Medium | High |             |           | 300             | 400 | 17-4 PH |           | Aluminum    | Nickel Alloy | Titanium | ~35 HRC        | 35-45 HRC      | 45-50 HRC | 50-70 HRC |           |
| 1010         | 1035   | 1065 | 4140        | 4340      | 300             | 400 | 17-4 PH | 6061      | 7075        | Casting      | Inconel  | 6Al4V (30 HRC) | ~35 HRC        | 35-45 HRC | 45-50 HRC | 50-70 HRC |
| ○            | ○      | ○    | ○           | ○         | ○               | ○   | ○       | ○         | ○           | ○            | ○        | ○              | ○              | ○         | ○         | ○         |

○ Good ○ Best





# A Brand ADO

Advanced Performance Coolant-Through Carbide Drills

## List 6520 (Continued)



SPEED FEED  
306

CARBIDE

EgiAs



2 FLUTE

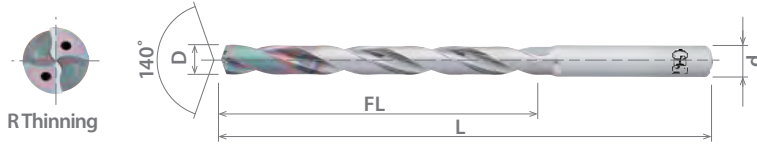
TAPER

30°

SHANK  
h6

PACKED  
1 PIECE

A BRAND ADO-8D



| Cutting Diameter Tolerance (h8) |             |              |
|---------------------------------|-------------|--------------|
| Size (mm)                       | mm          | inch         |
| 2 ≤ D ≤ 3                       | +0 / -0.014 | +0 / -0.0006 |
| 3 < D ≤ 6                       | +0 / -0.018 | +0 / -0.0007 |
| 6 < D ≤ 10                      | +0 / -0.022 | +0 / -0.0009 |
| 10 < D ≤ 15.88                  | +0 / -0.027 | +0 / -0.0011 |

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

| EDP Number |   | Diameter (D)    |           |             |       |         | Flute Length<br>FL (mm) | Overall Length<br>L (mm) | Shank Diameter |        |
|------------|---|-----------------|-----------|-------------|-------|---------|-------------------------|--------------------------|----------------|--------|
|            |   | Fractional Size | Wire Gage | Letter Size | mm    | Inch    |                         |                          | d (in)         | d (mm) |
| 652021311  | ● | -               | 3         | -           | 5.410 | 0.21300 | 60.00                   | 115.00                   | 0.250          | -      |
| 8694550    | ● | -               | -         | -           | 5.500 | 0.21654 | 61.00                   | 115.00                   | -              | 6.00   |
| 652021711  | ● | 7/32            | -         | -           | 5.556 | 0.21875 | 61.00                   | 115.00                   | 0.250          | -      |
| 8704560    | ● | -               | -         | -           | 5.600 | 0.22047 | 62.00                   | 115.00                   | -              | 6.00   |
| 8704570    | ● | -               | -         | -           | 5.700 | 0.22441 | 63.00                   | 115.00                   | -              | 6.00   |
| 8704580    | ● | -               | -         | -           | 5.800 | 0.22835 | 64.00                   | 115.00                   | -              | 6.00   |
| 8704590    | ● | -               | -         | -           | 5.900 | 0.23228 | 65.00                   | 115.00                   | -              | 6.00   |
| 652023311  | ● | 15/64           | -         | -           | 5.953 | 0.23438 | 66.00                   | 115.00                   | 0.250          | -      |
| 8694600    | ● | -               | -         | -           | 6.000 | 0.23622 | 66.00                   | 115.00                   | -              | 6.00   |
| 8704610    | ● | -               | -         | -           | 6.100 | 0.24016 | 67.00                   | 125.00                   | -              | 8.00   |
| 8704620    | ● | -               | -         | -           | 6.200 | 0.24409 | 68.00                   | 125.00                   | -              | 8.00   |
| 8704630    | ● | -               | -         | -           | 6.300 | 0.24803 | 69.00                   | 125.00                   | -              | 8.00   |
| 652025011  | ● | 1/4             | -         | E           | 6.350 | 0.25000 | 70.00                   | 125.00                   | 0.250          | -      |
| 8704640    | ● | -               | -         | -           | 6.400 | 0.25197 | 70.00                   | 125.00                   | -              | 8.00   |
| 8694650    | ● | -               | -         | -           | 6.500 | 0.25591 | 72.00                   | 125.00                   | -              | 7.00   |
| 8704650    | ● | -               | -         | -           | 6.500 | 0.25591 | 72.00                   | 125.00                   | -              | 8.00   |
| 652025611  | ● | -               | -         | F           | 6.528 | 0.25700 | 72.00                   | 125.00                   | -              | 8.00   |
| 8704660    | ● | -               | -         | -           | 6.600 | 0.25984 | 73.00                   | 125.00                   | -              | 8.00   |
| 8704670    | ● | -               | -         | -           | 6.700 | 0.26378 | 74.00                   | 125.00                   | -              | 8.00   |
| 652026411  | ● | 17/64           | -         | -           | 6.747 | 0.26563 | 74.00                   | 125.00                   | 0.313          | -      |
| 8704680    | ● | -               | -         | -           | 6.800 | 0.26772 | 75.00                   | 125.00                   | -              | 8.00   |
| 8704690    | ● | -               | -         | -           | 6.900 | 0.27165 | 76.00                   | 125.00                   | -              | 8.00   |
| 8694700    | ● | -               | -         | -           | 7.000 | 0.27559 | 77.00                   | 125.00                   | -              | 7.00   |
| 8704700    | ● | -               | -         | -           | 7.000 | 0.27559 | 77.00                   | 125.00                   | -              | 8.00   |
| 8704710    | ● | -               | -         | -           | 7.100 | 0.27953 | 78.00                   | 140.00                   | -              | 8.00   |
| 652028011  | ● | 9/32            | -         | -           | 7.144 | 0.28125 | 79.00                   | 140.00                   | 0.313          | -      |
| 8704720    | ● | -               | -         | -           | 7.200 | 0.28346 | 79.00                   | 140.00                   | -              | 8.00   |
| 8704730    | ● | -               | -         | -           | 7.300 | 0.28740 | 80.00                   | 140.00                   | -              | 8.00   |
| 8704740    | ● | -               | -         | -           | 7.400 | 0.29134 | 81.00                   | 140.00                   | -              | 8.00   |
| 8694750    | ● | -               | -         | -           | 7.500 | 0.29528 | 83.00                   | 140.00                   | -              | 8.00   |
| 652029611  | ● | 19/64           | -         | -           | 7.541 | 0.29688 | 84.00                   | 140.00                   | 0.313          | -      |
| 8704760    | ● | -               | -         | -           | 7.600 | 0.29921 | 84.00                   | 140.00                   | -              | 8.00   |
| 8704770    | ● | -               | -         | -           | 7.700 | 0.30315 | 85.00                   | 140.00                   | -              | 8.00   |
| 8704780    | ● | -               | -         | -           | 7.800 | 0.30709 | 86.00                   | 140.00                   | -              | 8.00   |
| 8704790    | ● | -               | -         | -           | 7.900 | 0.31102 | 87.00                   | 140.00                   | -              | 8.00   |
| 652031211  | ● | 5/16            | -         | -           | 7.938 | 0.31250 | 87.00                   | 140.00                   | 0.313          | -      |
| 8694800    | ● | -               | -         | -           | 8.000 | 0.31496 | 88.00                   | 140.00                   | -              | 8.00   |
| 8704810    | ● | -               | -         | -           | 8.100 | 0.31890 | 89.00                   | 150.00                   | -              | 10.00  |
| 8704820    | ● | -               | -         | -           | 8.200 | 0.32283 | 90.00                   | 150.00                   | -              | 10.00  |
| 8704830    | ● | -               | -         | -           | 8.300 | 0.32677 | 91.00                   | 150.00                   | -              | 10.00  |
| 652032711  | ● | 21/64           | -         | -           | 8.334 | 0.32813 | 92.00                   | 150.00                   | 0.375          | -      |
| 8704840    | ● | -               | -         | -           | 8.400 | 0.33071 | 92.00                   | 150.00                   | -              | 10.00  |
| 652033111  | ● | -               | -         | Q           | 8.433 | 0.33200 | 93.00                   | 150.00                   | 0.344          | -      |
| 8694850    | ● | -               | -         | -           | 8.500 | 0.33465 | 94.00                   | 150.00                   | -              | 9.00   |
| 8704850    | ● | -               | -         | -           | 8.500 | 0.33465 | 94.00                   | 150.00                   | -              | 10.00  |
| 8704860    | ● | -               | -         | -           | 8.600 | 0.33858 | 95.00                   | 150.00                   | -              | 10.00  |
| 8704870    | ● | -               | -         | -           | 8.700 | 0.34252 | 96.00                   | 150.00                   | -              | 10.00  |
| 652035211  | ● | 11/32           | -         | -           | 8.733 | 0.34375 | 96.00                   | 150.00                   | 0.375          | -      |
| 8704880    | ● | -               | -         | -           | 8.800 | 0.34646 | 97.00                   | 150.00                   | -              | 10.00  |
| 8704890    | ● | -               | -         | -           | 8.900 | 0.35039 | 98.00                   | 150.00                   | -              | 10.00  |
| 8694900    | ● | -               | -         | -           | 9.000 | 0.35433 | 99.00                   | 150.00                   | -              | 9.00   |
| 8704900    | ● | -               | -         | -           | 9.000 | 0.35433 | 99.00                   | 150.00                   | -              | 10.00  |
| 8704910    | ● | -               | -         | -           | 9.100 | 0.35827 | 100.00                  | 160.00                   | -              | 10.00  |
| 652035711  | ● | 23/64           | -         | -           | 9.128 | 0.35938 | 101.00                  | 160.00                   | 0.375          | -      |
| 8704920    | ● | -               | -         | -           | 9.200 | 0.36220 | 101.00                  | 160.00                   | -              | 10.00  |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked





## List 6520 (Continued)



SPEED FEED  
306

CARBIDE

EgiAs



2 FLUTE

TAPER

30°

SHANK  
h6

PACKED  
1 PIECE

A BRAND ADO-8D

| EDP Number |   | Diameter (D)    |           |             |        |         | Flute Length | Overall Length | Shank Diameter |        |
|------------|---|-----------------|-----------|-------------|--------|---------|--------------|----------------|----------------|--------|
|            |   | Fractional Size | Wire Gage | Letter Size | mm     | Inch    | FL (mm)      | L (mm)         | d (in)         | d (mm) |
| 8704930    | ● | -               | -         | -           | 9.300  | 0.36614 | 102.00       | 160.00         | -              | 10.00  |
| 8704940    | ● | -               | -         | -           | 9.400  | 0.37008 | 103.00       | 160.00         | -              | 10.00  |
| 8694950    | ● | -               | -         | -           | 9.500  | 0.37402 | 105.00       | 160.00         | -              | 10.00  |
| 652037511  | ● | 3/8             | -         | -           | 9.525  | 0.37500 | 105.00       | 160.00         | 0.375          | -      |
| 8704960    | ● | -               | -         | -           | 9.600  | 0.37795 | 106.00       | 160.00         | -              | 10.00  |
| 8704970    | ● | -               | -         | -           | 9.700  | 0.38189 | 107.00       | 160.00         | -              | 10.00  |
| 8704980    | ● | -               | -         | -           | 9.800  | 0.38583 | 108.00       | 160.00         | -              | 10.00  |
| 8704990    | ● | -               | -         | -           | 9.900  | 0.38976 | 109.00       | 160.00         | -              | 10.00  |
| 652038811  | ● | 25/64           | -         | -           | 9.922  | 0.39063 | 110.00       | 160.00         | 0.438          | -      |
| 8695000    | ● | -               | -         | -           | 10.000 | 0.39370 | 110.00       | 160.00         | -              | 10.00  |
| 8705010    | ● | -               | -         | -           | 10.100 | 0.39764 | 111.00       | 182.00         | -              | 12.00  |
| 8705020    | ● | -               | -         | -           | 10.200 | 0.40157 | 112.00       | 182.00         | -              | 12.00  |
| 8705030    | ● | -               | -         | -           | 10.300 | 0.40551 | 113.00       | 182.00         | -              | 12.00  |
| 652040711  | ● | 13/32           | -         | -           | 10.319 | 0.40625 | 113.00       | 182.00         | 0.438          | -      |
| 8705040    | ● | -               | -         | -           | 10.400 | 0.40945 | 114.00       | 182.00         | -              | 12.00  |
| 8695050    | ● | -               | -         | -           | 10.500 | 0.41339 | 116.00       | 182.00         | -              | 11.00  |
| 8705050    | ● | -               | -         | -           | 10.500 | 0.41339 | 116.00       | 182.00         | -              | 12.00  |
| 8705060    | ● | -               | -         | -           | 10.600 | 0.41732 | 117.00       | 182.00         | -              | 12.00  |
| 8705070    | ● | -               | -         | -           | 10.700 | 0.42126 | 118.00       | 182.00         | -              | 12.00  |
| 652042111  | ● | 27/64           | -         | -           | 10.716 | 0.42188 | 118.00       | 182.00         | 0.438          | -      |
| 8705080    | ● | -               | -         | -           | 10.800 | 0.42520 | 119.00       | 182.00         | -              | 12.00  |
| 8705090    | ● | -               | -         | -           | 10.900 | 0.42913 | 120.00       | 182.00         | -              | 12.00  |
| 8695100    | ● | -               | -         | -           | 11.000 | 0.43307 | 121.00       | 182.00         | -              | 11.00  |
| 8705100    | ● | -               | -         | -           | 11.000 | 0.43307 | 121.00       | 182.00         | -              | 12.00  |
| 8705110    | ● | -               | -         | -           | 11.100 | 0.43701 | 122.00       | 194.00         | -              | 12.00  |
| 652043811  | ● | 7/16            | -         | -           | 11.113 | 0.43750 | 122.00       | 194.00         | 0.438          | -      |
| 8705120    | ● | -               | -         | -           | 11.200 | 0.44094 | 123.00       | 194.00         | -              | 12.00  |
| 8705130    | ● | -               | -         | -           | 11.300 | 0.44488 | 124.00       | 194.00         | -              | 12.00  |
| 8705140    | ● | -               | -         | -           | 11.400 | 0.44882 | 125.00       | 194.00         | -              | 12.00  |
| 8695150    | ● | -               | -         | -           | 11.500 | 0.45276 | 127.00       | 194.00         | -              | 12.00  |
| 652045211  | ● | 29/64           | -         | -           | 11.509 | 0.45313 | 127.00       | 194.00         | 0.500          | -      |
| 8705160    | ● | -               | -         | -           | 11.600 | 0.45669 | 128.00       | 194.00         | -              | 12.00  |
| 8705170    | ● | -               | -         | -           | 11.700 | 0.46063 | 129.00       | 194.00         | -              | 12.00  |
| 8705180    | ● | -               | -         | -           | 11.800 | 0.46457 | 130.00       | 194.00         | -              | 12.00  |
| 8705190    | ● | -               | -         | -           | 11.900 | 0.46850 | 131.00       | 194.00         | -              | 12.00  |
| 8695200    | ● | -               | -         | -           | 12.000 | 0.47244 | 132.00       | 194.00         | -              | 12.00  |
| 8705210    | ● | -               | -         | -           | 12.100 | 0.47638 | 133.00       | 206.00         | -              | 14.00  |
| 8705220    | ● | -               | -         | -           | 12.200 | 0.48031 | 134.00       | 206.00         | -              | 14.00  |
| 8705230    | ● | -               | -         | -           | 12.300 | 0.48425 | 135.00       | 206.00         | -              | 14.00  |
| 8705240    | ● | -               | -         | -           | 12.400 | 0.48819 | 136.00       | 206.00         | -              | 14.00  |
| 8695250    | ● | -               | -         | -           | 12.500 | 0.49213 | 138.00       | 206.00         | -              | 13.00  |
| 8705250    | ● | -               | -         | -           | 12.500 | 0.49213 | 138.00       | 206.00         | -              | 14.00  |
| 8705260    | ● | -               | -         | -           | 12.600 | 0.49606 | 139.00       | 206.00         | -              | 14.00  |
| 652050011  | ● | 1/2             | -         | -           | 12.700 | 0.50000 | 140.00       | 206.00         | 0.500          | -      |
| 652053011  | ● | 17/32           | -         | -           | 13.494 | 0.53125 | 149.00       | 218.00         | 0.625          | -      |
| 8705350    | ● | -               | -         | -           | 13.500 | 0.53150 | 149.00       | 218.00         | -              | 14.00  |
| 8705400    | ● | -               | -         | -           | 14.000 | 0.55118 | 154.00       | 218.00         | -              | 14.00  |
| 652056111  | ● | 9/16            | -         | -           | 14.288 | 0.56250 | 157.00       | 230.00         | 0.625          | -      |
| 8705450    | ● | -               | -         | -           | 14.500 | 0.57087 | 160.00       | 230.00         | -              | 16.00  |
| 652062511  | ● | 5/8             | -         | -           | 15.875 | 0.62500 | 175.00       | 241.00         | 0.625          | -      |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



| P            |        |      |             |           | M               |     |         | K         | N           |      | S            |          | H              |           |           |           |
|--------------|--------|------|-------------|-----------|-----------------|-----|---------|-----------|-------------|------|--------------|----------|----------------|-----------|-----------|-----------|
| Steel        |        |      |             |           | Stainless Steel |     |         | Cast Iron | Non-Ferrous |      | HRSA         |          | Hardened Steel |           |           |           |
| Carbon Steel |        |      | Alloy Steel | Die Steel | 300             | 400 | 17-4 PH |           | Aluminum    |      | Nickel Alloy | Titanium | ~35 HRC        | 35-45 HRC | 45-50 HRC | 50-70 HRC |
| Low          | Medium | High |             |           |                 |     |         |           | 6061        | 7075 |              |          |                |           |           |           |
| 1010         | 1035   | 1045 | 1065        | 4140      | 4340            |     |         |           |             |      |              |          |                |           |           |           |
| ○            | ○      | ○    | ○           | ○         | ○               | ○   | ○       | ○         | ○           | ○    | ○            | ○        | ○              | ○         | ○         | ○         |

○ Good ○ Best

