

NOW AVAILABLE AT
H. B. CARBIDE COMPANY...

2 Straight Hole Round Carbide Rod Extrusions

All preform options are available, call for details.
Standard length is 12.2 inches. Longer or
shorter lengths are available on request.

| R.S. # | EXTRUDED DIAMETER | O.D. TOLERANCE | "A" DIM. | BOLT CIRCLE TOLERANCE +0.000 | "B" DIM. | COOLANT HOLE TOLERANCE | |
|------------|-------------------|----------------|----------|---------------------------------|-----------|------------------------|-----------|
| 10-15-09 | 0.176 | +/- 0.006 | 0.059 | -0.006 | 0.035 | +/- 0.004 | |
| 10-18-09 | 0.176 | | 0.071 | | 0.035 | | |
| 12.5-18-08 | 0.223 | | 0.071 | | 0.031 | | |
| 12.5-20-09 | 0.223 | | 0.079 | | 0.035 | | |
| 15-11-05 | 0.254 | | 0.043 | | 0.020 | | |
| 15-15-09 | 0.254 | | 0.059 | | 0.035 | | |
| 15-17-08 | 0.254 | | 0.067 | | 0.031 | | |
| 15-20-09 | 0.254 | | 0.079 | | 0.035 | | |
| 15-23-09 | 0.254 | | 0.091 | | 0.035 | | |
| 15-24-12 | 0.254 | | 0.094 | | 0.047 | | +/- 0.006 |
| 15-30-09 | 0.254 | 0.118 | 0.035 | +/- 0.004 | | | |
| 15-30-12 | 0.254 | 0.118 | 0.047 | +/- 0.006 | | | |
| 18-18-08 | 0.301 | 0.071 | 0.031 | -0.008 | +/- 0.004 | | |
| 18-20-09 | 0.301 | 0.079 | 0.035 | | | | |
| 18-30-12 | 0.301 | 0.118 | 0.047 | | | +/- 0.006 | |
| 18-35-09 | 0.301 | 0.138 | 0.035 | | | | |
| 20-11-05 | 0.333 | 0.043 | 0.020 | | | +/- 0.004 | |
| 20-17-08 | 0.333 | 0.067 | 0.031 | | | | |
| 20-20-09 | 0.333 | 0.079 | 0.035 | | | | |
| 20-26-12 | 0.333 | 0.102 | 0.047 | | | | |
| 20-30-12 | 0.333 | 0.118 | 0.047 | | | +/- 0.006 | |
| 20-33-09 | 0.333 | 0.130 | 0.035 | | | +/- 0.004 | |
| 20-35-15 | 0.333 | 0.138 | 0.059 | +/- 0.006 | | | |
| 20-40-09 | 0.333 | 0.157 | 0.035 | -0.012 | +/- 0.004 | | |
| 23-20-09 | 0.379 | 0.079 | 0.035 | | | | |
| 23-26-12 | 0.379 | 0.102 | 0.047 | | | | |
| 23-35-15 | 0.379 | 0.138 | 0.059 | | | +/- 0.006 | |
| 23-40-12 | 0.379 | 0.157 | 0.047 | | | | |
| 25-17-08 | 0.411 | 0.067 | 0.031 | | | +/- 0.004 | |
| 25-26-12 | 0.411 | 0.102 | 0.047 | | | | |
| 25-35-15 | 0.411 | 0.138 | 0.059 | | | -0.008 | +/- 0.006 |
| 25-40-15 | 0.411 | 0.157 | 0.059 | | | | |
| 25-50-12 | 0.411 | 0.197 | 0.047 | | | | |
| 25-50-20 | 0.411 | 0.197 | 0.079 | +/- 0.008 | | | |
| 27-75-15 | 0.447 | 0.295 | 0.059 | | | | |
| 28-26-12 | 0.463 | 0.102 | 0.047 | +/- 0.006 | | | |
| 28-35-15 | 0.463 | 0.138 | 0.059 | | | | |



Subsidiary of
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2 Straight Hole Round Carbide Rod Extrusions are available in all H. B. Carbide grades.

| R.S. # | EXTRUDED DIAMETER | O.D. TOLERANCE | "A" DIM. | BOLT CIRCLE TOLERANCE +0.000 | "B" DIM. | COOLANT HOLE TOLERANCE |
|----------|-------------------|----------------|----------|------------------------------|-----------|------------------------|
| 28-46-20 | 0.463 | +/- 0.008 | 0.181 | -0.012 | 0.079 | +/- 0.008 |
| 28-50-12 | 0.463 | | 0.197 | | 0.047 | +/- 0.006 |
| 28-50-20 | 0.463 | | 0.197 | | 0.079 | +/- 0.008 |
| 29-62-20 | 0.494 | | 0.244 | 0.079 | | |
| 30-35-09 | 0.494 | | 0.138 | 0.035 | +/- 0.004 | |
| 30-35-15 | 0.494 | | 0.138 | -0.008 | 0.059 | +/- 0.006 |
| 30-40-15 | 0.494 | | 0.157 | -0.012 | 0.059 | |
| 30-44-20 | 0.494 | | 0.173 | | 0.079 | |
| 30-50-20 | 0.494 | | 0.197 | | 0.079 | |
| 30-62-15 | 0.494 | | 0.244 | 0.059 | +/- 0.008 | |
| 30-62-20 | 0.494 | | 0.244 | 0.079 | +/- 0.008 | |
| 32-35-10 | 0.525 | | 0.138 | -0.008 | 0.039 | +/- 0.006 |
| 32-35-15 | 0.525 | 0.138 | 0.059 | | | |
| 32-50-20 | 0.525 | 0.197 | -0.012 | 0.079 | +/- 0.008 | |
| 32-62-15 | 0.525 | 0.244 | | 0.059 | +/- 0.006 | |
| 32-62-20 | 0.525 | 0.244 | | 0.079 | +/- 0.008 | |
| 35-26-09 | 0.572 | 0.102 | -0.008 | 0.035 | +/- 0.004 | |
| 35-35-15 | 0.572 | 0.138 | | 0.059 | +/- 0.006 | |
| 35-50-20 | 0.572 | 0.197 | -0.012 | 0.079 | +/- 0.008 | |
| 35-70-15 | 0.572 | 0.276 | | 0.059 | +/- 0.006 | |
| 35-70-20 | 0.572 | 0.276 | | 0.079 | +/- 0.008 | |
| 38-26-09 | 0.619 | 0.102 | -0.008 | 0.035 | +/- 0.004 | |
| 38-35-15 | 0.619 | 0.138 | | 0.059 | +/- 0.006 | |
| 38-50-20 | 0.619 | 0.197 | -0.012 | 0.079 | +/- 0.008 | |
| 38-62-20 | 0.619 | 0.244 | | 0.079 | | |
| 38-70-20 | 0.619 | 0.276 | | 0.079 | | |
| 40-35-15 | 0.650 | 0.138 | -0.008 | 0.059 | +/- 0.006 | |
| 40-50-20 | 0.650 | 0.197 | -0.012 | 0.079 | +/- 0.008 | |
| 40-62-20 | 0.650 | 0.244 | | 0.079 | | |
| 40-80-20 | 0.650 | 0.315 | | 0.079 | | |
| 43-62-20 | 0.702 | 0.244 | | 0.079 | | |
| 43-80-20 | 0.702 | 0.315 | | 0.079 | | |
| 45-50-20 | 0.733 | 0.197 | | 0.079 | | +/- 0.008 |
| 45-62-20 | 0.733 | 0.244 | 0.079 | | | |
| 45-70-25 | 0.733 | 0.276 | 0.098 | | | |
| 45-90-20 | 0.733 | 0.354 | 0.079 | | | |
| 48-50-20 | 0.780 | 0.197 | 0.079 | | | |
| 48-62-20 | 0.780 | 0.244 | 0.079 | | | |
| 48-90-20 | 0.780 | 0.354 | 0.079 | | | |

| DEVIATION OF CENTERLINE **** | | GRIND STOCK FOR O.D. | | TOL. |
|------------------------------|---------|----------------------|------|-----------|
| O.D. | MAXIMUM | O.D. | | |
| .150-.250 | .005 | .150-.400* | .020 | +/- 0.006 |
| .251-.350 | .008 | .401-.650** | .025 | +/- 0.008 |
| .351-.780 | .010 | .651-.800*** | .030 | +/- 0.010 |

HB-110 Standard
Other grades and special coolant holes are available upon request.

* MAXIMUM WARPAGE .006/SIDE
** MAXIMUM WARPAGE .007/SIDE
*** MAXIMUM WARPAGE .009/SIDE



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