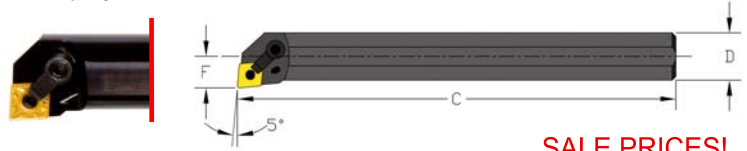


STEEL BORING BAR SALE

50% OFF

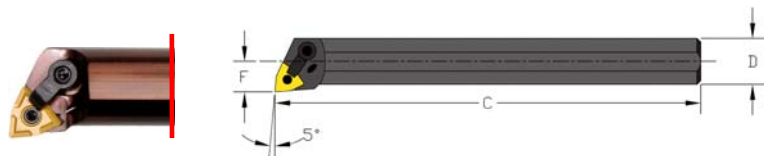
Feb. 1 – Mar. 31



Negative 80° Diamond -5° Lead

SALE PRICES!

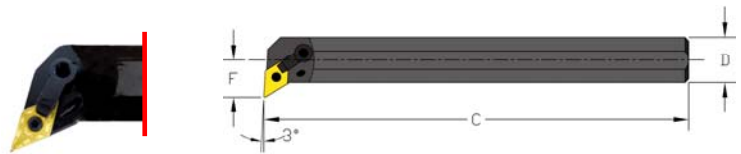
| Designation | | D Dia. | C OAL | F | Min Bore | Insert | Shim Seat | Lock Pin | Clamp Screw | Clamp | Coolant Thru | Non Coolant |
|--------------|-------------|--------|-------|------|----------|----------|-----------|----------|-------------|-------|--------------|-------------|
| Coolant Thru | Non Coolant | | | | | | | | | | | |
| A12R MCLNR3 | S12R MCLNR3 | .750 | 8 | .500 | .963 | CNMG 322 | -- | NL-33 | XNS-36 | CL-7 | \$63.50 | \$54.50 |
| A16S MCLNR3 | S16S MCLNR3 | 1.000 | 10 | .640 | 1.240 | | -- | NL-33 | XNS-36 | CL-7 | \$80.50 | \$71.00 |
| A16S MCLNR4 | S16S MCLNR4 | 1.000 | 10 | .640 | 1.240 | CNMG 432 | -- | NL-44 | XNS-47 | CL-20 | \$80.50 | \$71.00 |
| A20U MCLNR4 | S20U MCLNR4 | 1.250 | 14 | .765 | 1.470 | | ICSN-433 | NL-46 | XNS-47 | CL-20 | \$118.00 | \$105.50 |
| A24U MCLNR4 | S24U MCLNR4 | 1.500 | 14 | .890 | 1.760 | | ICSN-433 | NL-46 | XNS-47 | CL-20 | \$134.00 | \$119.50 |



Negative Trigon -5° Lead

SALE PRICES!

| Designation | | D Dia. | C OAL | F | Min Bore | Insert | Shim Seat | Lock Pin | Clamp Screw | Clamp | Coolant Thru | Non Coolant |
|--------------|-------------|--------|-------|------|----------|----------|-----------|----------|-------------|-------|--------------|-------------|
| Coolant Thru | Non Coolant | | | | | | | | | | | |
| A12R MWLNR3 | S12R MWLNR3 | .750 | 8 | .500 | .963 | WNMG 332 | -- | NL-33L | XNS-36 | CL-7 | \$63.50 | \$54.50 |
| A16S MWLNR3 | S16S MWLNR3 | 1.000 | 10 | .640 | 1.240 | | -- | NL-33L | XNS-36 | CL-7 | \$80.50 | \$71.00 |
| A16S MWLNR4 | S16S MWLNR4 | 1.000 | 10 | .640 | 1.240 | WNMG 432 | -- | NL-44 | XNS-47 | CL-20 | \$80.50 | \$71.00 |
| A20U MWLNR4 | S20U MWLNR4 | 1.250 | 14 | .765 | 1.470 | | IWSN-433 | NL-46 | XNS-47 | CL-20 | \$118.00 | \$105.50 |
| A24U MWLNR4 | S24U MWLNR4 | 1.500 | 14 | .890 | 1.760 | | IWSN-433 | NL-46 | XNS-47 | CL-20 | \$134.00 | \$119.50 |



Negative 55° Diamond (Profiling) -3° Lead

SALE PRICES!

| Designation | | D Dia. | C OAL | F | Min Bore | Insert | Shim Seat | Lock Pin | Clamp Screw | Clamp | Coolant Thru | Non Coolant |
|--------------|-------------|--------|-------|-------|----------|----------|-----------|----------|-------------|-------|--------------|-------------|
| Coolant Thru | Non Coolant | | | | | | | | | | | |
| A12R MDUNR3 | S12R MDUNR3 | .750 | 8 | .625 | 1.050 | DNMG 332 | -- | NL-33L | XNS-36 | CL-7 | \$67.50 | \$59.00 |
| A16S MDUNR3 | S16S MDUNR3 | 1.000 | 10 | .750 | 1.300 | | -- | NL-33L | XNS-36 | CL-7 | \$85.00 | \$75.50 |
| A20T MDUNR3 | S20T MDUNR3 | 1.250 | 12 | 1.000 | 1.705 | | -- | NL-33L | XNS-36 | CL-7 | \$120.50 | \$108.00 |
| A20T MDUNR4 | S20T MDUNR4 | 1.250 | 12 | 1.000 | 1.705 | DNMG 432 | IDSN-433 | NL-46 | XNS-48 | CL-22 | \$120.50 | \$108.00 |
| A24U MDUNR4 | S24U MDUNR4 | 1.500 | 14 | 1.125 | 2.000 | | IDSN-433 | NL-46 | XNS-48 | CL-22 | \$138.50 | \$124.00 |

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