

M42 COBALT-TITANIUM NITRIDE & TITANIUM ALUMINUM NITRIDE NAS 907J

Type 240-D -M42 Cobalt, Type 240-DN -Titanium Nitride
Type 240-AND -Titanium Aluminum Nitride

135° Split Point - M42 Cobalt - NAS 907J

- Manufactured from M42 HSS containing 8% cobalt which increases high red hardness.
- Cobalt drills require rigidly held positive feed drilling equipment.
- Titanium Aluminum Nitride can be used in machining stainless steel, nickel based and titanium alloys, not recommended for aluminum.
- Manufactured to NAS 907J specifications.



Type 240-D

Use to drill hard, tough metals, free machining stainless steel, titanium alloys and certain abrasive plastics.



Type 240-DN

Titanium nitride for lubricity, and extended tool life.



Type 240-AND

Titanium aluminum nitride designed for use where extreme temperatures are found, allows for increased machining speeds up to 200%.

FRACTIONAL

| 240-D Part# | 240-DN Part# | 240-AND Part# | Overall Diameter Inches | Flute Length Inches | Length Inches | 240-D Qty. per/Pk | 240-DN/240-AND Qty. per/Pk |
|-------------|--------------|---------------|-------------------------|---------------------|---------------|-------------------|----------------------------|
| 08000 | ----- | ----- | 3/64 | 1-3/4 | 3/4 | 12 | 6 |
| 08010 | 79600 | 80003 | 1/16 | 1-7/8 | 7/8 | 12 | 6 |
| 08020 | 79610 | 80013 | 5/64 | 2" | 1" | 12 | 6 |
| 08030 | 79620 | 80023 | 3/32 | 2-1/4 | 1-1/4 | 12 | 6 |
| 08040 | 79630 | 80033 | 7/64 | 2-5/8 | 1-1/2 | 12 | 6 |
| 08050 | 79640 | 80043 | 1/8 | 2-3/4 | 1-5/8 | 12 | 6 |
| 08060 | 79650 | 80053 | 9/64 | 2-7/8 | 1-3/4 | 12 | 6 |
| 08070 | 79660 | 80063 | 5/32 | 3-1/8" | 2" | 12 | 6 |
| 08080 | 79670 | 80073 | 11/64 | 3-1/4 | 2-1/8 | 12 | 6 |
| 08090 | 79680 | 80083 | 3/16 | 3-1/2 | 2-5/16 | 12 | 6 |
| 08100 | 79690 | 80093 | 13/64 | 3-5/8 | 2-7/16 | 12 | 6 |
| 08110 | 79700 | 80103 | 7/32 | 3-3/4 | 2-1/2 | 12 | 6 |
| 08120 | 79710 | 80113 | 15/64 | 3-7/8 | 2-5/8 | 12 | 6 |
| 08130 | 79720 | 80123 | 1/4" | 4" | 2-3/4 | 12 | 6 |
| 08140 | 79730 | 80133 | 17/64 | 4-1/8 | 2-7/8 | 12 | 6 |
| 08150 | 79740 | 80143 | 9/32 | 4-1/4 | 2-15/16 | 12 | 6 |
| 08160 | 79750 | 80153 | 19/64 | 4-3/8 | 3-1/16 | 6 | 3 |
| 08170 | 79760 | 80163 | 5/16 | 4-1/2 | 3-3/16 | 6 | 3 |
| 08180 | 79770 | 80173 | 21/64 | 4-5/8 | 3-5/16 | 6 | 3 |
| 08190 | 79780 | 80183 | 11/32 | 4-3/4 | 3-7/16 | 6 | 3 |
| 08200 | 79790 | 80193 | 23/64 | 4-7/8 | 3-1/2 | 6 | 3 |
| 08210 | 79800 | 80203 | 3/8" | 5" | 3-5/8" | 6 | 3 |
| 08220 | 79810 | 80213 | 25/64 | 5-1/8 | 3-3/4 | 6 | 3 |
| 08230 | 79820 | 80223 | 13/32 | 5-1/4 | 3-7/8 | 6 | 3 |
| 08240 | 79830 | 80233 | 27/64 | 5-3/8 | 3-15/16 | 6 | 3 |
| 08250 | 79840 | 80243 | 7/16 | 5-1/2 | 4-1/16 | 6 | 3 |
| 08260 | 79850 | 80253 | 29/64 | 5-5/8 | 4-3/16 | 6 | 3 |
| 08270 | 79860 | 80263 | 15/32 | 5-3/4 | 4-5/16 | 6 | 3 |
| 08280 | 79870 | 80273 | 31/64 | 5-7/8 | 4-3/8 | 6 | 3 |
| 08290 | 79880 | 80283 | 1/2" | 6" | 4-1/2" | 6 | 3 |

LETTER

| 240-D Part# | 240-DN Part# | 240-AND Part# | Letter Sizes | Overall Length Inches | Flute Length Inches | 240-D Qty. per/Pk | 240-DN/240-AND Qty. per/Pk |
|-------------|--------------|---------------|--------------|-----------------------|---------------------|-------------------|----------------------------|
| 08940 | 79320 | 80293 | A | 3-7/8 | 2-5/8 | 12 | 6 |
| 08950 | 79330 | 80303 | B | 4" | 2-3/4 | 12 | 6 |
| 08960 | 79340 | 80313 | C | 4" | 2-3/4 | 12 | 6 |
| 08970 | 79350 | 80323 | D | 4" | 2-3/4 | 12 | 6 |
| 08980 | 79360 | 80333 | E | 4" | 2-3/4 | 12 | 6 |
| 08990 | 79370 | 80343 | F | 4-1/8 | 2-7/8 | 12 | 6 |
| 09000 | 79380 | 80353 | G | 4-1/8 | 2-7/8 | 12 | 6 |
| 09010 | 79390 | 80363 | H | 4-1/8 | 2-7/8 | 12 | 6 |
| 09020 | 79400 | 80373 | I | 4-1/8 | 2-7/8 | 12 | 6 |
| 09030 | 79410 | 80383 | J | 4-1/8 | 2-7/8 | 12 | 6 |
| 09040 | 79420 | 80393 | K | 4-1/4 | 2-15/16 | 12 | 6 |
| 09050 | 79430 | 80403 | L | 4-1/4 | 2-15/16 | 12 | 6 |
| 09060 | 79440 | 80413 | M | 4-3/8 | 3-3/16 | 6 | 3 |
| 09070 | 79450 | 80423 | N | 4-3/8 | 3-1/16 | 6 | 3 |
| 09080 | 79460 | 80433 | O | 4-1/2 | 3-3/16 | 6 | 3 |
| 09090 | 79470 | 80443 | P | 4-5/8 | 3-5/16 | 6 | 3 |
| 09100 | 79480 | 80453 | Q | 4-3/4 | 3-7/16 | 6 | 3 |
| 09110 | 79490 | 80463 | R | 4-3/4 | 3-7/16 | 6 | 3 |
| 09120 | 79500 | 80473 | S | 4-7/8 | 3-1/2 | 6 | 3 |
| 09130 | 79510 | 80483 | T | 4-7/8 | 3-1/2 | 6 | 3 |
| 09140 | 79520 | 80493 | U | 5" | 3-5/8 | 6 | 3 |
| 09150 | 79530 | 80503 | V | 5" | 3-5/8 | 6 | 3 |
| 09160 | 79540 | 80513 | W | 5-1/8 | 3-3/4 | 6 | 3 |
| 09170 | 79550 | 80523 | X | 5-1/8 | 3-3/4 | 6 | 3 |
| 09180 | 79560 | 80533 | Y | 5-1/4 | 3-7/8 | 6 | 3 |
| 09190 | 79570 | 80543 | Z | 5-1/4 | 3-7/8 | 6 | 3 |

WIRE

| 240-D Part# | 240-DN Part# | 240-AND Part# | Wire Sizes | Overall Diameter Inches | Flute Length Inches | 240-D Qty. per/Pk | 240-DN/240-AND Qty. per/Pk |
|-------------|--------------|---------------|------------|-------------------------|---------------------|-------------------|----------------------------|
| 08300 | 77001 | 80553 | 1 | 3-7/8 | 2-5/8 | 12 | 6 |
| 08310 | 77011 | 80563 | 2 | 3-7/8 | 2-5/5 | 12 | 6 |
| 08320 | 77021 | 80573 | 3 | 3-3/4 | 2-1/2 | 12 | 6 |
| 08330 | 77031 | 80583 | 4 | 3-3/4 | 2-1/2 | 12 | 6 |
| 08340 | 77041 | 80593 | 5 | 3-3/4 | 2-1/2 | 12 | 6 |
| 08350 | 77051 | 80603 | 6 | 3-3/4 | 2-1/2 | 12 | 6 |
| 08360 | 77061 | 80613 | 7 | 3-5/8 | 2-7/16 | 12 | 6 |
| 08370 | 77071 | 80623 | 8 | 3-5/8 | 2-7/16 | 12 | 6 |

Wire sizes continued next Column

WIRE

| 240-D Part# | 240-DN Part# | 240-AND Part# | Wire Sizes | Overall Diameter Inches | Flute Length Inches | 240-D Qty. per/Pk | 240-DN/240-AND Qty. per/Pk |
|-------------|--------------|---------------|------------|-------------------------|---------------------|-------------------|----------------------------|
| 08380 | 77081 | 80633 | 9 | 3-5/8 | 2-7/16 | 12 | 6 |
| 08390 | 77091 | 80643 | 10 | 3-5/8 | 2-7/16 | 12 | 6 |
| 08400 | 77101 | 80653 | 11 | 3-1/2 | 2-5/16 | 12 | 6 |
| 08410 | 77111 | 80663 | 12 | 3-1/2 | 2-5/16 | 12 | 6 |
| 08420 | 77121 | 80673 | 13 | 3-1/2 | 2-5/16 | 12 | 6 |
| 08430 | 77131 | 80683 | 14 | 3-3/8 | 2-3/16 | 12 | 6 |
| 08440 | 77141 | 80693 | 15 | 3-3/8 | 2-3/16 | 12 | 6 |
| 08450 | 77151 | 80703 | 16 | 3-3/8 | 2-3/16 | 12 | 6 |
| 08460 | 77161 | 80713 | 17 | 3-3/8 | 2-3/16 | 12 | 6 |
| 08470 | 77171 | 80723 | 18 | 3-1/4 | 2-1/8 | 12 | 6 |
| 08480 | 77181 | 80733 | 19 | 3-1/4 | 2-1/8 | 12 | 6 |
| 08490 | 77191 | 80743 | 20 | 3-1/4 | 2-1/8 | 12 | 6 |
| 08500 | 77201 | 80753 | 21 | 3-1/4 | 2-1/8 | 12 | 6 |
| 08510 | 77211 | 80763 | 22 | 3-1/8 | 2" | 12 | 6 |
| 08520 | 77221 | 80773 | 23 | 3-1/8 | 2" | 12 | 6 |
| 08530 | 77231 | 80783 | 24 | 3-1/8 | 2" | 12 | 6 |
| 08540 | 77241 | 80793 | 25 | 3" | 1-7/8 | 12 | 6 |
| 08550 | 77251 | 80803 | 26 | 3" | 1-7/8 | 12 | 6 |
| 08560 | 77261 | 80813 | 27 | 3" | 1-7/8 | 12 | 6 |
| 08570 | 77271 | 80823 | 28 | 2-7/8 | 1-3/4 | 12 | 6 |
| 08580 | 77281 | 80833 | 29 | 2-7/8 | 1-3/4 | 12 | 6 |
| 08590 | 77291 | 80843 | 30 | 2-3/4 | 1-5/8 | 12 | 6 |
| 08600 | 77301 | 80853 | 31 | 2-3/4 | 1-5/8 | 12 | 6 |
| 08610 | 77311 | 80863 | 32 | 2-3/4 | 1-5/8 | 12 | 6 |
| 08620 | 77321 | 80873 | 33 | 2-5/8 | 1-1/2 | 12 | 6 |
| 08630 | 77331 | 80883 | 34 | 2-5/8 | 1-1/2 | 12 | 6 |
| 08640 | 77341 | 80893 | 35 | 2-5/8 | 1-1/2 | 12 | 6 |
| 08650 | 77351 | 80903 | 36 | 2-1/2 | 1-7/16 | 12 | 6 |
| 08660 | 77361 | 80913 | 37 | 2-1/2 | 1-7/16 | 12 | 6 |
| 08670 | 77371 | 80923 | 38 | 2-1/2 | 1-7/16 | 12 | 6 |
| 08680 | 77381 | 80933 | 39 | 2-3/8 | 1-3/8 | 12 | 6 |
| 08690 | 77391 | 80943 | 40 | 2-3/8 | 1-3/8 | 12 | 6 |
| 08700 | 77401 | 80953 | 41 | 2-3/8 | 1-3/8 | 12 | 6 |
| 08710 | 77411 | 80963 | 42 | 2-1/4 | 1-1/4 | 12 | 6 |
| 08720 | 77421 | 80973 | 43 | 2-1/4 | 1-1/4 | 12 | 6 |
| 08730 | 77431 | 80983 | 44 | 2-1/8 | 1-1/8 | 12 | 6 |
| 08740 | 77441 | 80993 | 45 | 2-1/8 | 1-1/8 | 12 | 6 |
| 08750 | 77451 | 81003 | 46 | 2-1/8 | 1-1/8 | 12 | 6 |
| 08760 | 77461 | 81013 | 47 | 2" | 1" | 12 | 6 |
| 08770 | 77471 | 81023 | 48 | 2" | 1" | 12 | 6 |
| 08780 | 77481 | 81033 | 49 | 2" | 1" | 12 | 6 |
| 08790 | 77491 | 81043 | 50 | 2" | 1" | 12 | 6 |
| 08800 | 77501 | 81053 | 51 | 2" | 1" | 12 | 6 |
| 08810 | 77511 | 81063 | 52 | 1-7/8 | 7/8 | 12 | 6 |
| 08820 | 77521 | 81073 | 53 | 1-7/8 | 7/8 | 12 | 6 |
| 08830 | 77531 | 81083 | 54 | 1-7/8 | 7/8 | 12 | 6 |
| 08840 | 77541 | 81093 | 55 | 1-7/8 | 7/8 | 12 | 6 |
| 08850 | 77551 | 81103 | 56 | 1-3/4 | 3/4 | 12 | 6 |
| 08860 | 77561 | 81113 | 57 | 1-3/4 | 3/4 | 12 | 6 |
| 08870 | 77571 | 81123 | 58 | 1-5/8 | 11/16 | 12 | 6 |
| 08880 | 77581 | 81133 | 59 | 1-5/8 | 11/16 | 12 | 6 |
| 08890 | 77591 | 81143 | 60 | 1-5/8 | 11/16 | 12 | 6 |
| 08900 | ----- | ----- | 61 | 1-5/8 | 11/16 | 12 | 6 |
| 08910 | ----- | ----- | 62 | 1-1/2 | 5/8 | 12 | 6 |
| 08921 | ----- | ----- | 63 | 1-1/2 | 5/8 | 12 | 6 |
| 08931 | ----- | ----- | 64 | 1-1/2 | 5/8 | 12 | 6 |
| 08941 | ----- | ----- | 65 | 1-1/2 | 5/8 | 12 | 6 |
| 08951 | ----- | ----- | 66 | 1-3/8 | 1/2 | 12 | 6 |
| 08961 | ----- | ----- | 67 | 1-3/8 | 1/2 | 12 | 6 |
| 08971 | ----- | ----- | 68 | 1-3/8 | 1/2 | 12 | 6 |
| 08981 | ----- | ----- | 69 | 1-3/8 | 1/2 | 12 | 6 |
| 08991 | ----- | ----- | 70 | 1-1/4 | 3/8 | 12 | 6 |
| 09001 | ----- | ----- | 71 | 1-1/4 | 3/8 | 12 | 6 |
| 09011 | ----- | ----- | 72 | 1-1/8 | 5/16 | 12 | 6 |
| 09021 | ----- | ----- | 73 | 1-1/8 | 5/16 | 12 | 6 |
| 09031 | ----- | ----- | 74 | 1" | 1/4" | 12 | 6 |
| 09041 | ----- | ----- | 75 | 1" | 1/4" | 12 | 6 |
| 09051 | ----- | ----- | 76 | 7/8 | 3/16 | 12 | 6 |
| 09061 | ----- | ----- | 77 | 7/8 | 3/16 | 12 | 6 |
| 09071 | ----- | ----- | 78 | 7/8 | 3/16 | 12 | 6 |
| 09081 | ----- | ----- | 79 | 3/4 | 3/16 | 12 | 6 |
| 09091 | ----- | ----- | 80 | 3/4 | 3/16 | 12 | 6 |