

ANNULAR CUTTER SELECTION

Core Cutter & Drilling Applications

R = Recommended G = Good P = Possible

| Annular Core Cutter Category | | M2 Al | TCT | CTCT | Twist Drill | Mini Cutters | TCT Rail |
|------------------------------|----------|-------|-----|------|-------------|--------------|----------|
| Steel | <500N | R | R | R | R | R | G |
| | <7500N | R | R | R | R | R | G |
| | <900N | R | R | R | R | R | G |
| | <1200N | P | R | R | P | P | G |
| | <1400N | | R | R | | | G |
| | <1800N | | P | R | | | P |
| Stainless Steel | <900N | P | R | R | P | P | P |
| Aluminium | <10%Si | G | R | G | G | G | P |
| | >10%Si | P | R | G | P | P | P |
| Copper / Brass | <100HB | G | G | G | G | G | P |
| | <200HB | G | G | G | G | G | P |
| Cast Iron | <300HB | G | R | R | G | G | G |
| Sheet Metal | | | | | | R | |
| Synthetics | Plastics | G | P | P | G | G | P |
| Rail Track | | | | | P | | R |
| Tough Alloys | Hardox | | P | R | | | P |
| | Inox | | P | R | | | P |
| | Inconel | | P | R | | | P |

RAPTOR M2AI CUTTERS



Suitable for Drilling:

Steel Aluminium Copper / Brass Plastics

- Rotabroach Raptors are high performance annular cutters, with unique tooth geometry, only found on Raptor cutters.
- Made from M2AI, for greater cutter hardness, Raptor cutters deliver optimum performance, with increased speed of cut and maximum tool life.
- Can cut materials up to a maximum tensile strength of 900 N/mm²



Stage hardened allowing for greater flexibility during operation.



Designed to give longer tool life and faster cutting times.



When using annular cutters we always recommend you use a pilot pin.

| | |
|---------|-------------------|
| SRA3057 | RAP110 - RAP120 |
| SRA25 | RAP130 - RAP600 |
| RA3013 | RAPL120 |
| SRA50 | RAPL130 - RAPL650 |

Raptor M2AL Cutters • Specifications

| Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C |
|--------|------------|------------|--------|------------|------------|--------|------------|------------|--------|------------|------------|--------|------------|------------|
| 11 | RAP110 | | 22 | RAP220 | RAPL220 | 33 | RAP330 | RAPL330 | 44 | RAP440 | RAPL440 | 55 | RAP550 | RAPL550 |
| 12 | RAP120 | RAPL120 | 23 | RAP230 | RAPL230 | 34 | RAP340 | RAPL340 | 45 | RAP450 | RAPL450 | 56 | RAP560 | RAPL560 |
| 13 | RAP130 | RAPL130 | 24 | RAP240 | RAPL240 | 35 | RAP350 | RAPL350 | 46 | RAP460 | RAPL460 | 57 | RAP570 | RAPL570 |
| 14 | RAP140 | RAPL140 | 25 | RAP250 | RAPL250 | 36 | RAP360 | RAPL360 | 47 | RAP470 | RAPL470 | 58 | RAP580 | RAPL580 |
| 15 | RAP150 | RAPL150 | 26 | RAP260 | RAPL260 | 37 | RAP370 | RAPL370 | 48 | RAP480 | RAPL480 | 59 | RAP590 | RAPL590 |
| 16 | RAP160 | RAPL160 | 27 | RAP270 | RAPL270 | 38 | RAP380 | RAPL380 | 49 | RAP490 | RAPL490 | 60 | RAP600 | RAPL600 |
| 17 | RAP170 | RAPL170 | 28 | RAP280 | RAPL280 | 39 | RAP390 | RAPL390 | 50 | RAP500 | RAPL500 | 61 | | RAPL610 |
| 18 | RAP180 | RAPL180 | 29 | RAP290 | RAPL290 | 40 | RAP400 | RAPL400 | 51 | RAP510 | RAPL510 | 62 | | RAPL620 |
| 19 | RAP190 | RAPL190 | 30 | RAP300 | RAPL300 | 41 | RAP410 | RAPL410 | 52 | RAP520 | RAPL520 | 63 | | RAPL630 |
| 20 | RAP200 | RAPL200 | 31 | RAP310 | RAPL310 | 42 | RAP420 | RAPL420 | 53 | RAP530 | RAPL530 | 64 | | RAPL640 |
| 21 | RAP210 | RAPL210 | 32 | RAP320 | RAPL320 | 43 | RAP430 | RAPL430 | 54 | RAP540 | RAPL540 | 65 | | RAPL650 |