

Rotabroach[™]

The original name in cutting solutions



 **MADE IN
SHEFFIELD
ENGLAND**



**OSL
Cutting
Technologies**

For over 40 years Rotabroach™ has been leading the way in the design and manufacture of metal cutting solutions.

Rotabroach machines are designed to increase operator safety, versatility and performance. Our market leading range sets an unparalleled standard in quality and technology, and our name remains an industry benchmark.

Rotabroach™ forms part of OSL Cutting Technologies and is one of a portfolio of manufacturing brands. Our base is in Sheffield, England and we are proud to invest in great talent and exceptional people to deliver world class hole cutting solutions.



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MAGNETIC DRILL CHART

Rotabroach™ is the original name in hole cutting technology.

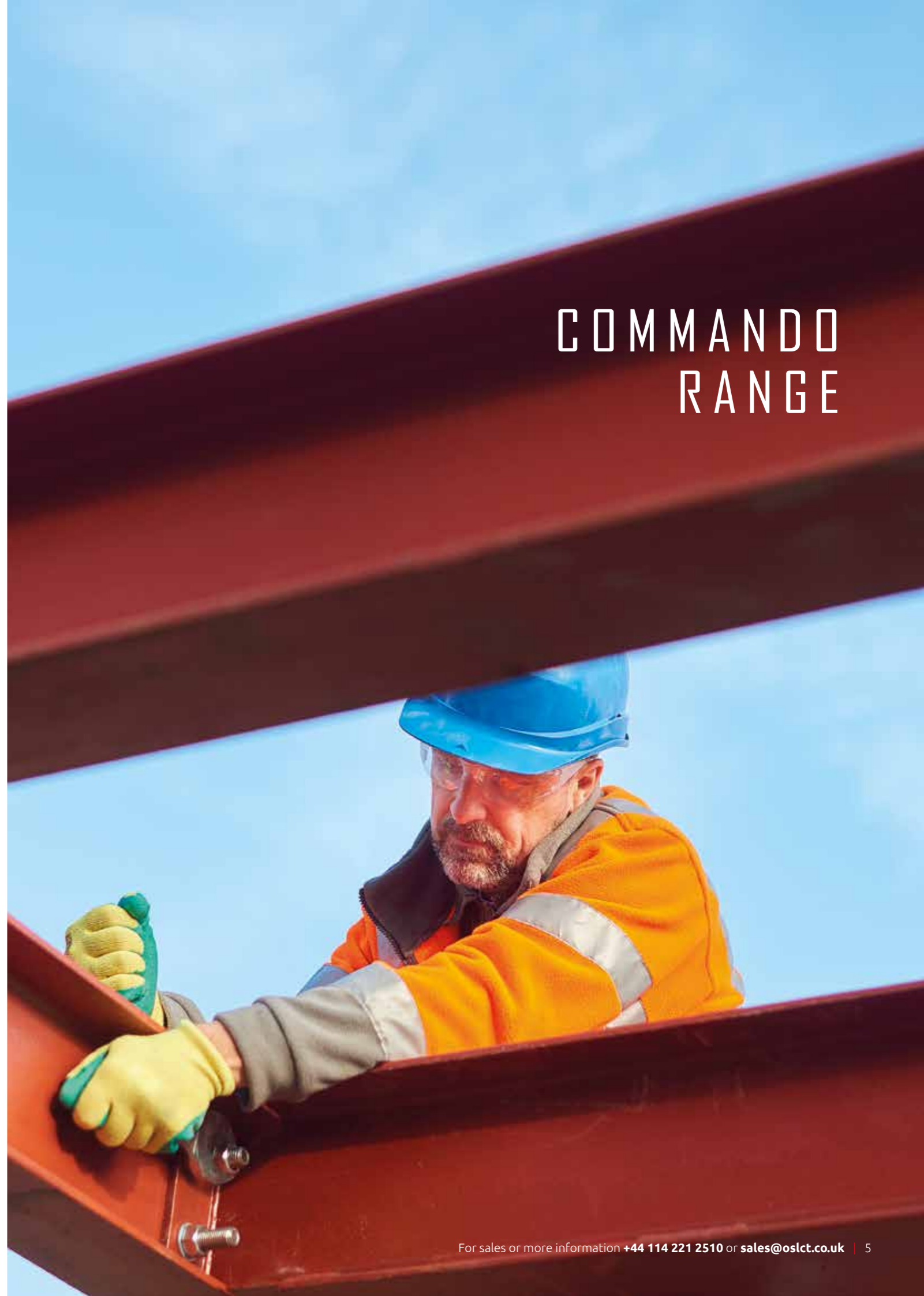
With over 40 years' experience, we have the perfect platform to deliver superior solutions for your hole cutting requirements.

Our Element range of machines are fitted with Cutsmart® technology.

- Increased speed of cut
- Improved tool & machine life
- Reduced downtime and repair

| Product | Cutter Capacity (mm) | Cutter Depth (mm) | Drill Chuck Capacity (mm) | Motor Power (W) | Weight (kg) | Height (mm) | Stroke (mm) | Tapping |
|--|----------------------|-------------------|---------------------------|-----------------------|-------------|-------------|-------------|---------|
| COMMANDO RANGE | | | | | | | | |
| Core range of machines for site or workshop use, to suit standard drilling. | | | | | | | | |
| Commando 35 | 35 | 50 | 13 | 1050 | 12 | 435 | 105 | ⊗ |
| Commando 40 | 40 | 50 | 13 | 1100 | 14 | 510 | 85 | ⊗ |
| ELEMENT RANGE | | | | | | | | |
| Performance machines designed to increase speed of working and optimise tool life. Machines are fitted with Cutsmart technology and have switchable handles and internal cabling. | | | | | | | | |
| Element™ 30 | 32 | 35 | 13 | 850 | 12 | 414 | 65 | ⊗ |
| Element™ 40 | 40 | 50 | 13 | 1200 | 13 | 514 | 80 | ⊗ |
| Element™ 50 | 50 | 50 | 13 | 1500 | 15 | 586 | 140 | ⊙ |
| Element™ 50 Pivot Magnet | 50 | 50 | 13 | 1500 | 18 | 640 | 150 | ⊙ |
| Element™ 50 Low Profile | 50 | 50 | N/A | 1200 | 11 | 179 | 62 | ⊗ |
| Element™ 75 | 75 | 75 | 16 | 1800 | 23 | 713 | 185 | ⊙ |
| Element™ 100 | 100 | 100 | 16 | 2000 | 25 | 733 | 200 | ⊙ |
| SPECIALIST RANGE | | | | | | | | |
| Designed for specialist applications, this range caters for both semi-autonomous drilling applications and 'anti-spark' environments, with both a hydraulic and pneumatic drilling option. | | | | | | | | |
| Eagle | 52 | 50 | 16 | 6.9 bar max pneumatic | 21 | 560 | 70 | ⊗ |
| Raven | 52 | 50 | 16 | 6.9 bar max pneumatic | 16 | 525 | 70 | ⊗ |
| Gator | 52 | 50 | 16 | 140 bar hydraulic | 23 | 520 | 70 | ⊗ |

COMMANDO
RANGE



COMMANDO 35

The Commando 35 delivers unbeatable value. Packing a powerful 1050W motor, it's capable of drilling up to 35mm in diameter and 50mm depth of cut. Fitted with thermal overload protection, it's a perfect machine for both on-site and workshop drilling.

Part Code: **Commando 35/1, Commando 35/3**

Specifications

| | |
|----------------------|--------------|
| Cutter Capacity | 35 mm |
| Depth of Cut | 50mm |
| Drill Chuck Capacity | 13mm |
| No Load Speed | 850 RPM |
| Motor Specification | 1050W |
| Magnet Adhesion | 8000N |
| Length | 245 mm |
| Height | 435 mm |
| Width | 155 mm |
| Magnet Size | 160mm x 80mm |
| Weight | 12kg |
| Motor | 110/230V |
| Stroke | 105mm |



Key Features



Cutter capacity
35mm



Weight
12kg



Depth of cut
50mm



Magnet size
80mm x 160mm



Twist drill capacity
13mm



Motor
110/230V

Included

- Carry Case
- Allen Keys
- Safety Strap
- Guard
- Integral Coolant System

COMMANDO 40

The Commando 40 has a more powerful motor and the added flexibility of 6 speeds. Ideal for countersinking and using twist drills, this unit is supplied with a chuck as standard and is a great all round tool for both workshops and sites.

Part Code: **Commando 40/1, Commando 40/3**

Specifications

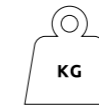
| | |
|----------------------|---------------|
| Cutter Capacity | 40mm |
| Depth of Cut | 50mm |
| Drill Chuck Capacity | 13mm |
| Countersink | 30mm |
| Tapping | No |
| No Load Speed | 270 - 610 RPM |
| Motor Specification | 1100W |
| Magnet Adhesion | 8000N |
| Length | 265mm |
| Height | 510mm |
| Width | 180mm |
| Magnet Size | 165mm x 80mm |
| Weight | 14kg |
| Motor | 110/230V |
| Stroke | 85mm |



Key Features



Cutter capacity
40mm



Weight
14kg



Depth of cut
50mm



Magnet size
80mm x 165mm



Twist drill capacity
13mm



Motor
110/230V



Countersink
30mm

Included

- Carry Case
- Allen Keys
- Safety Strap
- 13mm Drill Chuck
- Integral Coolant System

ELEMENT
RANGE

The single speed lightweight Element 30 is both powerful and easily portable. Perfect for both site installations and workshops. Fitted with Cutsmart™ technology to enhance tool life, speed of cut and user safety.

Part Code: **Element 30/1 Element 30/3**

Specifications

| | |
|----------------------|---------------|
| Cutter Capacity | 32mm |
| Depth of Cut | 35mm |
| Drill Chuck Capacity | 13mm |
| No Load Speed | 600 RPM |
| Motor Specification | 850W |
| Magnet Adhesion | 10000 N |
| Length | 270mm |
| Height | 414mm |
| Width | 165mm |
| Magnet Size | 180mm x 90 mm |
| Weight | 12kg |
| Motor | 110/230V |
| Stroke | 65mm |



Key Features



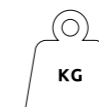
Cutter capacity
32mm



Depth of cut
35mm



Twist drill capacity
13mm



Weight
12kg



Magnet size
90mm x 180mm



Motor
110/230V

Included

- Carry Case
- Safety Strap
- 4mm A/F Tee Handled Hexagon Key
- 6mm Hexagon Key
- Integral Coolant System
- Drill Chuck Adaptor
- Drill Chuck and Key
- Safety Glasses

ELEMENT™ 40

The Element 40 delivers increased functionality, capable of countersinking and larger diameter drilling; featuring a two speed gearbox, the user is able to select the right speed for the drilling diameter. It is also fitted with Cutsmart™ technology to enhance tool life, speed of cut and user safety.

Part Code: **Element 40/1 Element 40/3**

Specifications

| | |
|----------------------|---------------|
| Cutter Capacity | 40mm |
| Depth of Cut | 50mm |
| Drill Chuck Capacity | 13mm |
| No Load Speed | 300 - 600 RPM |
| Motor Specification | 1200 W |
| Magnet Adhesion | 10000 N |
| Length | 285mm |
| Height | 514mm |
| Width | 185mm |
| Magnet Size | 180mm x 90mm |
| Weight | 13kg |
| Motor | 110/230V |
| Stroke | 80mm |



Key Features



Cutter capacity
40mm



Weight
13kg



Depth of cut
50mm



Magnet size
180mm x 90mm



Twist drill capacity
13mm



Motor
110/230V



Countersink
30mm

Included

- Carry Case
- Integral Coolant System
- Safety Strap
- 4mm A/F Tee Handled Hexagon Key
- 3mm Hexagon Key
- 6mm Hexagon Key
- Drill Chuck Adaptor
- Drill Chuck and Key
- Safety Glasses

ELEMENT™ 50

A large capacity, MT2 machine. Fitted with two gears and 12 forward and reverse speeds, the Element 50 is perfect for drilling, countersinking and threading. Weighing just 15kg this is a versatile tool for workshop and site use, with Cutsmart™ technology to enhance tool life, speed of cut and user safety.

Part Code: **Element 50/1 Element 50/3**

Specifications

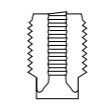
| | |
|----------------------|---------------|
| Cutter Capacity | 50mm |
| Depth of Cut | 50mm |
| Twist Drill Capacity | 20mm |
| Drill Chuck Capacity | 13mm |
| Morse Taper | MT2 |
| Countersink | 30mm |
| Tapping | M20 |
| No Load Speed | 100 - 500 RPM |
| Motor Specification | 1500W |
| Magnet Adhesion | 13500N |
| Length | 315mm |
| Height | 586mm |
| Width | 195mm |
| Magnet Size | 200mm x 98mm |
| Weight | 15kg |
| Motor | 110/230V |
| Stroke | 140mm |



Key Features



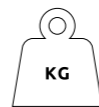
Cutter capacity
50mm



Tapping
M20



Depth of cut
50mm



Weight
15kg



Twist drill capacity
20mm



Magnet size
200mm x 98mm



Countersink
30mm



Motor
110/230V

Included

- Carry Case
- Integral Coolant System
- Safety Strap
- Stationary Ring
- 3mm Hexagon Key
- 6mm Hexagon Key
- Arbor Assembly
- 13mm Chuck
- Drill Chuck Adaptor
- Drill Chuck and Key
- Drift
- Safety Glasses

ELEMENT™ 50 PIVOT MAGNET

The Rotabroach Element 50 PM, with a pivot base permanent magnet, allows you to work on thin gauge material as thin as 3mm thick. Performs equally well on curved, uneven and flat surfaces, perfect for pipework contractors, ship building and power generation sites, looking for increased safety and versatility.

Part Code: **Element 50/1PM Element 50/3PM**

Specifications

| | |
|----------------------|---------------|
| Cutter Capacity | 50mm |
| Depth of Cut | 50mm |
| Twist Drill Capacity | 20mm |
| Drill Chuck Capacity | 13mm |
| Morse Taper | MT2 |
| Countersink | 31mm |
| Tapping | M20 |
| No Load Speed | 100 - 500 RPM |
| Motor Specification | 1500W |
| Magnet Adhesion | 8430N |
| Length | 317mm |
| Height | 640mm |
| Width | 190mm |
| Magnet Size | 277mm x 190mm |
| Weight | 18kg |
| Motor | 110/230V |
| Stroke | 150mm |



Key Features



Cutter capacity
50mm



Depth of cut
50mm



Twist drill capacity
20mm



Countersink
31mm



Tapping
M20



Weight
18kg



Magnet size
277mm x 190mm



Motor
110/230V

Included

- Carry Case
- Integral Coolant System
- Safety Strap
- Stationary Ring
- 3mm Hexagon Key
- 6mm Hexagon Key
- Arbor Shank
- Arbor Assembly
- 13mm Chuck
- Drill Chuck Adaptor
- Drill Chuck and key
- Drift
- Safety Glasses

ELEMENT™ 50 LOW PROFILE

The largest capacity low profile drill on the market. With 1200W motor and 6 speeds, its small in height, but big in capacity. Fitted with Cutsmart™ technology, to maximise performance of the machine and cutting tool life, the Low Profile has the power to transform how you work on site.

Part Code: **Element 50 Low Profile 1, Element 50 Low Profile 3**

Specifications

| | |
|---------------------|--------------|
| Cutter Capacity | 50mm |
| Depth of Cut | 50mm |
| Countersink | 30mm* |
| No Load Speed | 250-500RPM |
| Motor Specification | 1200W |
| Magnet Adhesion | 10000N |
| Length | 334mm |
| Height | 179mm |
| Width | 100mm |
| Magnet Size | 192mm x 82mm |
| Weight | 11kg |
| Motor | 110/230V |
| Stroke | 62mm |

*Requires an extension arbor RD32059.



Key Features



Cutter capacity
50mm



Depth of cut
50mm



Twist drill capacity
N/A



Countersink
30mm*



Weight
11kg



Magnet size
192mm x 82mm



Motor
110/230V

Included

- Carry Case
- Fixed Guard
- Safety Strap
- Coolant Bottle
- 4mm Hexagonal Wrench
- Coolant Bottle
- Ratchet Handle
- Safety Strap
- Safety Goggles

ELEMENT™ 75

The Element 75 is a large capacity machine. Drills holes up to 75mm and with 12 forward and reverse speeds, taps up to M24. Fitted with our Cutsmart™ dual motor protection technology, it will maximise the performance of the machine and increase tool life. Also available with swivel base.

Part Code: **Element 75/1 Element 75/3**

Specifications

| | |
|----------------------|---------------|
| Cutter Capacity | 75mm |
| Depth of Cut | 75mm |
| Twist Drill Capacity | 26mm |
| Drill Chuck Capacity | 16mm |
| Morse Taper | MT3 |
| Countersink | 40mm |
| Tapping | M24 |
| No Load Speed | 70 -500 RPM |
| Motor Specification | 1800W |
| Magnet Adhesion | 18500N |
| Length | 375mm |
| Height | 713mm |
| Width | 214mm |
| Magnet Size | 220mm x 114mm |
| Weight | 23kg |
| Motor | 110/230V |
| Stroke | 185mm |



Key Features



Cutter capacity
75mm



Depth of cut
75mm



Twist drill capacity
26mm



Countersink
40mm



Tapping
M24



Weight
23kg



Magnet size
220mm x 114mm



Motor
110/230V

Included

- Integral Coolant System
- 16mm Chuck
- Arbor Assembly – 6mm Hexagonal Spanner Included
- Safety Glasses
- Arbor Shank
- Drift
- Safety Strap
- 3mm Hexagonal Spanner
- Stationary Rings
- Pilot Pin

ELEMENT™ 100

The Element 100 is designed for larger diameter drilling. With 4 gears and 24 forward and reverse speeds, gearing is optimised for drilling holes to 100mm diameter. The Element 100 is equipped with Cutsmart™ technology to enhance tool life, speed of cut and user safety. Also available with swivel base option.

Part Code: **Element 100/1 Element 100/3**

Specifications

| | |
|----------------------|---------------|
| Cutter Capacity | 100mm |
| Depth of Cut | 100mm |
| Twist Drill Capacity | 32mm |
| Drill Chuck Capacity | 16mm |
| Morse Taper | MT3 |
| Countersink | 40mm |
| Tapping | M30 |
| No Load Speed | 45 -700 RPM |
| Motor Specification | 2000W |
| Magnet Adhesion | 20000N |
| Length | 370 mm |
| Height | 733 mm |
| Width | 230mm |
| Magnet Size | 228mm x 114mm |
| Weight | 25kg |
| Motor | 110/230V |
| Stroke | 200mm |



Key Features



Cutter capacity
100mm



Depth of cut
100mm



Twist drill capacity
32mm



Countersink
40mm



Tapping
M30



Weight
25kg



Magnet size
228mm x 114mm



Motor
110/230V

Included

- 16mm Chuck
- Arbor Assembly – 6mm Hexagonal Spanner Included
- Safety Glasses
- Arbor Shank
- Drift
- Safety Strap
- 3mm Hexagonal Spanner
- Stationary Rings
- Pilot Pin

SPECIALIST RANGE

Manufactured from ZA12 alloy anti-spark material, the Eagle is perfect for use in corrosive and hazardous areas. It's fully ATEX approved to EXII 2GDc T6 IIC T85°C and has an Atlas Copco pneumatic motor for safety in hazardous areas.

Part Code: **RD130C**

Specifications

| | |
|----------------------|--------------|
| Cutter Capacity | 52 mm |
| Depth of Cut | 50mm |
| Drill Chuck Capacity | 16 mm |
| No Load Speed | 270 RPM |
| Motor Specification | 28 cfm |
| Magnet Adhesion | 7000N |
| Length | 370 mm |
| Height | 540 mm |
| Width | 175 mm |
| Magnet Size | 165mm x 80mm |
| Weight | 21kg |
| Stroke | 70 mm |



Key Features



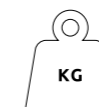
Cutter capacity
52mm



Depth of cut
50mm



Twist drill capacity
16mm



Weight
21kg



Magnet size
165mm x 80mm

Included

- Safety Strap
- Hexagon Spanner 4mm
- Hexagon Spanner 3mm
- Pipe Fixing Strap

The Raven is designed for use on pneumatic supplies in non-corrosive atmospheres. With a mechanically activated magnet, it is lightweight, fully ATEX approved to EXII 2Gdc T6 IIC T85°C and has an Atlas Copco pneumatic motor, for safety in hazardous areas.

Part Code: **CM/330/C**

Specifications

| | |
|---------------------|--------------|
| Cutter Capacity | 52mm |
| Depth of Cut | 50mm |
| No Load Speed | 270 RPM |
| Motor Specification | 28 cfm |
| Magnet Adhesion | 7000N |
| Length | 315mm |
| Height | 540mm |
| Width | 160mm |
| Magnet Size | 165mm x 80mm |
| Weight | 16kg |
| Stroke | 70mm |



Key Features



Cutter capacity
52mm



Depth of cut
50mm



Twist drill capacity
16mm



Weight
16kg



Magnet size
165mm x 80mm

Included

- Safety Strap
- Hexagon Spanner 4mm
- Hexagon Spanner 3mm
- Pipe Fixing Strap

The Gator is used in applications when only hydraulic supplies are most convenient or necessary, with mechanically activated magnetic base.

Part Code: **RD140**

Specifications

| | |
|----------------------|--------------|
| Cutter Capacity | 52mm |
| Depth of Cut | 50mm |
| Drill Chuck Capacity | 16mm |
| No Load Speed | 630 RPM |
| Motor Specification | 140 bar |
| Magnet Adhesion | 7000 N |
| Length | 320mm |
| Height | 520mm |
| Width | 160mm |
| Magnet Size | 165mm x 80mm |
| Weight | 23kg |
| Stroke | 70mm |



Key Features



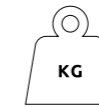
Cutter capacity
52mm



Depth of cut
50mm



Twist drill capacity
16mm



Weight
23kg



Magnet size
165mm x 80mm

Included

- Safety Strap
- Hexagon Spanner 4mm
- Hexagon Spanner 3mm
- Pipe Fixing Strap



RAIL

With a Honda 4 stroke engine the RHINO 4 delivers faster drilling capability. With low noise and low hand-arm vibration, it offers superb fuel efficiency. It's Rotabroach's leading offering for rail drilling applications

Part Code: **RD074**

Specifications

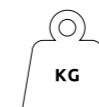
| | |
|---------------------|-----------------|
| Cutter Capacity | 36 mm |
| No Load Speed | 320 RPM |
| Motor Specification | 1500W 2.0 HP |
| Magnet Adhesion | n/a |
| Length | 540 mm |
| Height | 420 mm |
| Width | 420 mm |
| Weight | 20kg |
| Motor | 4 stroke petrol |
| Stroke | 37 mm |



Key Features



Cutter capacity
36mm



Weight
20kg

Included

- 4mm A/F Tee Handled Hex Key
- Coolant Feed Dispenser
- 8mm Hex Key
- 3/16 Long Hex Key

Approvals



RHINO E

The RHINO E is an electric rail machine, specifically designed for rail drilling applications. It is ideal for tunnel work and working in confined spaces, where ventilation is poor. It is equipped with mechanical clutch and thermal overload protection for increased machine durability.

Part Code: **CM/127/1A CM/127/3A**

Specifications

| | |
|----------------------|-------------|
| Cutter Capacity | 36mm |
| Twist Drill Capacity | 13.5mm |
| No Load Speed | 270-610 RPM |
| Motor Specification | 1100W |
| Length | 640mm |
| Height | 320mm |
| Width | 180mm |
| Weight | 16kg |
| Motor | 110/230V |
| Stroke | 80 mm |



Key Features



Cutter capacity
52mm



Weight
16kg



Depth of cut
16mm



Motor
110/230V

Included

- 4mm A/F Tee Handled Hexagon Key
- 3mm Hexagon key
- Coolant Feed Dispenser

SAWS &
BLADES

ELEMENT 9

The Element 9 Circular Saw cuts to a maximum depth of 83mm with a 12mm material thickness capacity in section, outperforming conventional circular saws. It produces a cut that is virtually spark free with no burr. Swivel base enables 45° cutting. Heavy duty and portable.

Part Code: **Element 9/1 Element 9/3**

Specifications

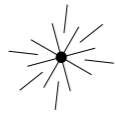
| | |
|---------------------|---|
| No Load Speed | 2300 |
| Motor Specification | 110V 1800W 230V 1800W |
| Cutting Thickness | 83mm cutting depth / 12mm maximum thickness |
| Overall Dimensions | 465mm x 200mm x 310mm |
| Weight | 9.5kg |
| Safety Features | Overload protection, retracting blade guard and metal chip collection chamber |



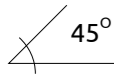
Key Features



Cutting depth
83mm



Laser line
Yes



Bevel
0-45°



Weight
9.5kg



Max thickness
12mm in section



Motor
1800W

Included

- Cermet-tipped Steel Cutting Blade
- 6mm Hexagonal Key
- Spanner
- Depth Gauge
- Ear Plugs
- Safety Glasses

ELEMENT 14

The Element 14 Chop Saw makes light work of cutting steel plate, square tube, angle iron, pipe, tube and sheet metal. Quicker, more accurate and safer than conventional abrasive cutting saws, it produces a cut that is virtually spark free with no burr. It's swivel vice also enables 45° cutting.

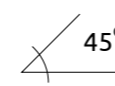
Part Code: **Element 14/1 Element 14/3**

Specifications

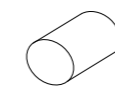
| | |
|--------------------------------------|--|
| No Load Speed | 1300/ 1450 |
| Motor Specification | 110V 1800W 230V 2200W |
| Cutting Capacity Box Section | 120mm x 120mm |
| Cutting Capacity Rectangular section | 95mm x 180mm |
| Cutting Capacity Pipe | 130mm |
| Overall Dimensions | 565mm x 285mm x 405mm |
| Weight | 28kg |
| Safety Features | Retracting blade guard and metal chip collection chamber |



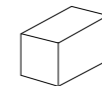
Key Features



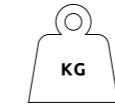
Bevel
0-45°



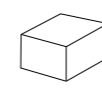
Pipe cutting capacity
ø 130mm



Square section max thickness
90 x 90mm



Weight
28kg



Rectangular section capacity
95 x 185mm



Motor
**2200W / 230V
1800W / 110V**

Included

- Cermet-tipped Steel Cutting Blade
- 6mm Hexagonal Key
- V Clamp Jaw

RAPTOR BLADES



*Available as 14" blade only.

Raptor blades produce a clean, cool cut, with minimal vibration and sparks. Cermet tipped, offering increased tool life.

- Last up to 20 times longer than conventional abrasive discs
- Up to 40% better life than TCT blades
- Triple chip design for added durability

9" Raptor Blades • Specifications

| Part no. | Dia | Teeth | Bore |
|----------------------|------------|-------|-------------|
| STEEL | | | |
| RAPB230FS | 9" (230mm) | 48T | 25.4mm (1") |
| ALUMINIUM | | | |
| RAPB230AL | 9" (230mm) | 80T | 25.4mm (1") |
| MULTI-PURPOSE | | | |
| RAPB230MP | 9" (230mm) | 26T | 25.4mm (1") |

14" Raptor Blades • Specifications

| Part no. | Dia | Teeth | Bore |
|------------------------|-------------|-------|-------------|
| STEEL | | | |
| RAPB355FS | 14" (355mm) | 66T | 25.4mm (1") |
| ALUMINIUM | | | |
| RAPB355AL | 14" (355mm) | 80T | 25.4mm (1") |
| MULTI-PURPOSE | | | |
| RAPB355MP | 14" (355mm) | 36T | 25.4mm (1") |
| STAINLESS STEEL | | | |
| RAPB355SS | 14" (355mm) | 120T | 25.4mm (1") |

CUTTERS



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 | <100HB | G | G | G | G | G | P |
| Brass | <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 |



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 M2AI 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 |

RAPTOR TCT CUTTERS



- Raptor TCT cutters are harder and able to resist higher temperatures resulting in less wear, providing a longer tool life when comparing to competitor products.
- Super micro-grain carbide tips for the toughest of materials.
- The special Rotabroach™ 3 tooth geometry provides even tooth loading for a smooth and vibration free cut.



Raptor TCT Cutters • Specifications

| Dia mm | 35mm D.O.C | 50mm D.O.C | 75mm D.O.C | 100mm D.O.C | Dia mm | 35mm D.O.C | 50mm D.O.C | 75mm D.O.C | 100mm D.O.C | Dia mm | 35mm D.O.C | 50mm D.O.C | 50mm D.O.C | 100mm D.O.C |
|--------|------------|------------|------------|-------------|--------|------------|------------|------------|-------------|--------|------------|------------|------------|-------------|
| 12 | CWC12 | CWCL12 | CWCT12 | CWCX12 | 42 | CWC42 | CWCL42 | CWCT42 | CWCX42 | 72 | | CWCL72 | CWCT72 | CWCX72 |
| 13 | CWC13 | CWCL13 | CWCT13 | CWCX13 | 43 | CWC43 | CWCL43 | CWCT43 | CWCX43 | 73 | | CWCL73 | CWCT73 | CWCX73 |
| 14 | CWC14 | CWCL14 | CWCT14 | CWCX14 | 44 | CWC44 | CWCL44 | CWCT44 | CWCX44 | 74 | | CWCL74 | CWCT74 | CWCX74 |
| 15 | CWC15 | CWCL15 | CWCT15 | CWCX15 | 45 | CWC45 | CWCL45 | CWCT45 | CWCX45 | 75 | | CWCL75 | CWCT75 | CWCX75 |
| 16 | CWC16 | CWCL16 | CWCT16 | CWCX16 | 46 | CWC46 | CWCL46 | CWCT46 | CWCX46 | 76 | | CWCL76 | CWCT76 | CWCX76 |
| 17 | CWC17 | CWCL17 | CWCT17 | CWCX17 | 47 | CWC47 | CWCL47 | CWCT47 | CWCX47 | 77 | | CWCL77 | CWCT77 | CWCX77 |
| 18 | CWC18 | CWCL18 | CWCT18 | CWCX18 | 48 | CWC48 | CWCL48 | CWCT48 | CWCX48 | 78 | | CWCL78 | CWCT78 | CWCX78 |
| 19 | CWC19 | CWCL19 | CWCT19 | CWCX19 | 49 | CWC49 | CWCL49 | CWCT49 | CWCX49 | 79 | | CWCL79 | CWCT79 | CWCX79 |
| 20 | CWC20 | CWCL20 | CWCT20 | CWCX20 | 50 | CWC50 | CWCL50 | CWCT50 | CWCX50 | 80 | | CWCL80 | CWCT80 | CWCX80 |
| 21 | CWC21 | CWCL21 | CWCT21 | CWCX21 | 51 | CWC51 | CWCL51 | CWCT51 | CWCX51 | 81 | | CWCL81 | CWCT81 | CWCX81 |
| 22 | CWC22 | CWCL22 | CWCT22 | CWCX22 | 52 | CWC52 | CWCL52 | CWCT52 | CWCX52 | 82 | | CWCL82 | CWCT82 | CWCX82 |
| 23 | CWC23 | CWCL23 | CWCT23 | CWCX23 | 53 | | CWCL53 | CWCT53 | CWCX53 | 83 | | CWCL83 | CWCT83 | CWCX83 |
| 24 | CWC24 | CWCL24 | CWCT24 | CWCX24 | 54 | | CWCL54 | CWCT54 | CWCX54 | 84 | | CWCL84 | CWCT84 | CWCX84 |
| 25 | CWC25 | CWCL25 | CWCT25 | CWCX25 | 55 | | CWCL55 | CWCT55 | CWCX55 | 85 | | CWCL85 | CWCT85 | CWCX85 |
| 26 | CWC26 | CWCL26 | CWCT26 | CWCX26 | 56 | | CWCL56 | CWCT56 | CWCX56 | 86 | | CWCL86 | 86CWCT | CWCX86 |
| 27 | CWC27 | CWCL27 | CWCT27 | CWCX27 | 57 | | CWCL57 | CWCT57 | CWCX57 | 87 | | CWCL87 | CWCT87 | CWCX87 |
| 28 | CWC28 | CWCL28 | CWCT28 | CWCX28 | 58 | | CWCL58 | CWCT58 | CWCX58 | 88 | | CWCL88 | CWCT88 | CWCX88 |
| 29 | CWC29 | CWCL29 | CWCT29 | CWCX29 | 59 | | CWCL59 | CWCT59 | CWCX59 | 89 | | CWCL89 | CWCT89 | CWCX89 |
| 30 | CWC30 | CWCL30 | CWCT30 | CWCX30 | 60 | | CWCL60 | CWCT60 | CWCX60 | 90 | | CWCL90 | CWCT90 | CWCX90 |
| 31 | CWC31 | CWCL31 | CWCT31 | CWCX31 | 61 | | CWCL61 | CWCT61 | CWCX61 | 91 | | CWCL91 | CWCT91 | CWCX91 |
| 32 | CWC32 | CWCL32 | CWCT32 | CWCX32 | 62 | | CWCL62 | CWCT62 | CWCX62 | 92 | | CWCL92 | CWCT92 | CWCX92 |
| 33 | CWC33 | CWCL33 | CWCT33 | CWCX33 | 63 | | CWCL63 | CWCT63 | CWCX63 | 93 | | CWCL93 | CWCT93 | CWCX93 |
| 34 | CWC34 | CWCL34 | CWCT34 | CWCX34 | 64 | | CWCL64 | CWCT64 | CWCX64 | 94 | | CWCL94 | CWCT94 | CWCX94 |
| 35 | CWC35 | CWCL35 | CWCT35 | CWCX35 | 65 | | CWCL65 | CWCT65 | CWCX65 | 95 | | CWCL95 | CWCT95 | CWCX95 |
| 36 | CWC36 | CWCL36 | CWCT36 | CWCX36 | 66 | | CWCL66 | CWCT66 | CWCX66 | 96 | | CWCL96 | CWCT96 | CWCX96 |
| 37 | CWC37 | CWCL37 | CWCT37 | CWCX37 | 67 | | CWCL67 | CWCT67 | CWCX67 | 97 | | CWCL97 | CWCT97 | CWCX97 |
| 38 | CWC38 | CWCL38 | CWCT38 | CWCX38 | 68 | | CWCL68 | CWCT68 | CWCX68 | 98 | | CWCL98 | CWCT98 | CWCX98 |
| 39 | CWC39 | CWCL39 | CWCT39 | CWCX39 | 69 | | CWCL69 | CWCT69 | CWCX69 | 99 | | CWCL99 | CWCT99 | CWCX99 |
| 40 | CWC40 | CWCL40 | CWCT40 | CWCX40 | 70 | | CWCL70 | CWCT70 | CWCX70 | 100 | | CWCL100 | CWCT100 | CWCX100 |
| 41 | CWC41 | CWCL41 | CWCT41 | CWCX41 | 71 | | CWCL71 | CWCT71 | CWCX71 | | | | | |



Unique flute design for fast material flow.



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

| | | | |
|--------|---------------|------------|---------------|
| SRA90 | CWC12-CWC17 | RA3120 | CWCT18-CWCT65 |
| RA3089 | CWC18-CWC52 | RA3121 | CWCT66+ |
| SRA50 | CWCL12-CWCL17 | 20ZAXL400P | CWCX12-CWCX17 |
| RA356 | CWCL18-CWCL65 | RA3122 | CWCX18-CWCX65 |
| RA3094 | CWCL66+ | RA3123 | CWCX66+ |
| SRA130 | CWCT12-CWCT17 | | |

RAPTOR TCT UNIVERSAL SHANK



Suitable for Drilling:

- Mild Steel
- Structural Steel
- Construction Steel
- High Strength
- Fine Grain
- Steel
- Stainless Steel
- Aluminium
- Copper / Brass
- Cast Iron

- Super micro-grain carbide tips for a long tool life in the toughest of materials.
- TCT cutters are harder and able to resist higher temperatures resulting in less wear, providing a longer tool life when comparing to competitor products.
- The special Rotabroach™ 3 tooth geometry provides even tooth loading for a smooth and vibration free cut.



TCT Universal Shank Cutters • Specifications

| Dia mm | 35mm D.O.C | 50mm D.O.C | 75mm D.O.C | 100mm D.O.C | Dia mm | 35mm D.O.C | 50mm D.O.C | 75mm D.O.C | 100mm D.O.C | Dia mm | 35mm D.O.C | 50mm D.O.C | 75mm D.O.C | 100mm D.O.C |
|--------|------------|------------|------------|-------------|--------|------------|------------|------------|-------------|--------|------------|------------|------------|-------------|
| 12 | CWCU12 | CWCUL12 | | | 30 | CWCU30 | CWCUL30 | CWCUT42 | CWCUX30 | 48 | CWCU48 | CWCUL48 | CWCUT48 | CWCUX48 |
| 13 | CWCU13 | CWCUL13 | | | 31 | CWCU31 | CWCUL31 | CWCUT43 | CWCUX31 | 49 | CWCU49 | CWCUL49 | CWCUT49 | CWCUX49 |
| 14 | CWCU14 | CWCUL14 | | | 32 | CWCU32 | CWCUL32 | CWCUT44 | CWCUX32 | 50 | CWCU50 | CWCUL50 | CWCUT50 | CWCUX50 |
| 15 | CWCU15 | CWCUL15 | | | 33 | CWCU33 | CWCUL33 | CWCUT45 | CWCUX33 | 51 | CWCU51 | CWCUL51 | CWCUT51 | CWCUX51 |
| 16 | CWCU16 | CWCUL16 | | | 34 | CWCU34 | CWCUL34 | CWCUT46 | CWCUX34 | 52 | CWCU52 | CWCUL52 | CWCUT52 | CWCUX52 |
| 17 | CWCU17 | CWCUL17 | | | 35 | CWCU35 | CWCUL35 | CWCUT47 | CWCUX35 | 53 | CWCU53 | CWCUL53 | CWCUT53 | CWCUX53 |
| 18 | CWCU18 | CWCUL18 | | | 36 | CWCU36 | CWCUL36 | CWCUT48 | CWCUX36 | 54 | CWCU54 | CWCUL54 | CWCUT54 | CWCUX54 |
| 19 | CWCU19 | CWCUL19 | | | 37 | CWCU37 | CWCUL37 | CWCUT49 | CWCUX37 | 55 | CWCU55 | CWCUL55 | CWCUT55 | CWCUX55 |
| 20 | CWCU20 | CWCUL20 | CWCUT20 | CWCUX20 | 38 | CWCU38 | CWCUL38 | CWCUT50 | CWCUX38 | 56 | CWCU56 | CWCUL56 | CWCUT56 | CWCUX56 |
| 21 | CWCU21 | CWCUL21 | CWCUT21 | CWCUX21 | 39 | CWCU39 | CWCUL39 | CWCUT51 | CWCUX39 | 57 | CWCU57 | CWCUL57 | CWCUT57 | CWCUX57 |
| 22 | CWCU22 | CWCUL22 | CWCUT22 | CWCUX22 | 40 | CWCU40 | CWCUL40 | CWCUT52 | CWCUX40 | 58 | CWCU58 | CWCUL58 | CWCUT58 | CWCUX58 |
| 23 | CWCU23 | CWCUL23 | CWCUT23 | CWCUX23 | 41 | CWCU41 | CWCUL41 | CWCUT53 | CWCUX41 | 59 | CWCU59 | CWCUL59 | CWCUT59 | CWCUX59 |
| 24 | CWCU24 | CWCUL24 | CWCUT24 | CWCUX24 | 42 | CWCU42 | CWCUL42 | CWCUT54 | CWCUX42 | 60 | CWCU60 | CWCUL60 | CWCUT60 | CWCUX60 |
| 25 | CWCU25 | CWCUL25 | CWCUT25 | CWCUX25 | 43 | CWCU43 | CWCUL43 | CWCUT55 | CWCUX43 | 61 | CWCU61 | CWCUL61 | CWCUT61 | CWCUX61 |
| 26 | CWCU26 | CWCUL26 | CWCUT26 | CWCUX26 | 44 | CWCU44 | CWCUL44 | CWCUT56 | CWCUX44 | 62 | CWCU62 | CWCUL62 | CWCUT62 | CWCUX62 |
| 27 | CWCU27 | CWCUL27 | CWCUT27 | CWCUX27 | 45 | CWCU45 | CWCUL45 | CWCUT57 | CWCUX45 | 63 | CWCU63 | CWCUL63 | CWCUT63 | CWCUX63 |
| 28 | CWCU28 | CWCUL28 | CWCUT28 | CWCUX28 | 46 | CWCU46 | CWCUL46 | CWCUT58 | CWCUX46 | 64 | CWCU64 | CWCUL64 | CWCUT64 | CWCUX64 |
| 29 | CWCU29 | CWCUL29 | CWCUT29 | CWCUX29 | 47 | CWCU47 | CWCUL47 | CWCUT59 | CWCUX47 | 65 | CWCU65 | CWCUL65 | CWCUT65 | CWCUX65 |

The TCT now available as universal shank.

With 1 flat and 3 quick connect grooves, universal shank TCT can be used in both weldon shank machines and in 'one-touch' machines, without the need for an adaptor.



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

| | | | |
|--------|---------------|------------|---------------|
| SRA90 | CWC12-CWC17 | RA3120 | CWCT18-CWCT65 |
| RA3089 | CWC18-CWC52 | RA3121 | CWCT66+ |
| SRA50 | CWCL12-CWCL17 | 20ZAXL400P | CWCX12-CWCX17 |
| RA356 | CWCL18-CWCL65 | RA3122 | CWCX18-CWCX65 |
| RA3094 | CWCL66+ | RA3123 | CWCX66+ |
| SRA130 | CWCT12-CWCT17 | | |

*Universal Shank Cutters go up to 65mm in diameter.

RAPTOR CTCT CUTTERS

Officially approved by SSAB and tested to drill Hardox wear plate up to a hardness level of 500 Brinell.



- Cermet carbide tips give maximum cutting strength and stability, while maximising tool life. Cut **15x more holes than HSS and 6x more than TCT**
- Cuts the toughest of materials. Drill Hardox plate, Inox, Inconel, Cast Iron, Fine Grain Steel and other tough alloys.
- 3 step alternate tooth geometry to reduce heat generation during cutting and custom designed flutes for better material removal



Raptor CTCT Cutters • Specifications

| Dia mm | 25mm D.O.C | Dia mm | 25mm D.O.C | Dia mm | 25mm D.O.C |
|--------|------------|--------|------------|--------|------------|
| 18 | CTCT18 | 26 | CTCT26 | 34 | CTCT34 |
| 19 | CTCT19 | 27 | CTCT27 | 35 | CTCT35 |
| 20 | CTCT20 | 28 | CTCT28 | 36 | CTCT36 |
| 21 | CTCT21 | 29 | CTCT29 | 37 | CTCT37 |
| 22 | CTCT22 | 30 | CTCT30 | 38 | CTCT38 |
| 23 | CTCT23 | 31 | CTCT31 | 39 | CTCT39 |
| 24 | CTCT24 | 32 | CTCT32 | 40 | CTCT40 |
| 25 | CTCT25 | 33 | CTCT33 | | |



Rotabroach™ Raptor CTCT cutters have unique straight flute designed for better material removal.



Cermeted carbide tips for maximum cutting capability in the hardest of material.



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

SRA25 CTCT18 - CTCT40



- Size range: 18-40mm
- Cutting depth: 25mm
- Metals up to a tensile strength of 1800N/mm²
- Pilot pins: 18-40mm (SRA25)

M2AI RAIL CUTTERS



Suitable for Drilling:



- Specific tooth geometry, designed for rail applications.
- Ideal for drilling holes at slower speeds.
- Specifically designed for rail track.
- High performance cutters, manufactured from M2AI steel, heat-treated for increased hardness of cutter.



M2AI Rail Cutters • Specifications

| Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C |
|--------|------------|------------|--------|------------|------------|
| 13 | SRCV130 | SRCVL130 | 25 | SRCV250 | SRCVL250 |
| 14 | SRCV140 | SRCVL140 | 26 | SRCV260 | SRCVL260 |
| 15 | SRCV150 | SRCVL150 | 27 | SRCV270 | SRCVL270 |
| 16 | SRCV160 | SRCVL160 | 28 | SRCV280 | SRCVL280 |
| 17 | SRCV170 | SRCVL170 | 29 | SRCV290 | SRCVL290 |
| 18 | SRCV180 | SRCVL180 | 30 | SRCV300 | SRCVL300 |
| 19 | SRCV190 | SRCVL190 | 31 | SRCV310 | SRCVL310 |
| 20 | SRCV200 | SRCVL200 | 32 | SRCV320 | SRCVL320 |
| 21 | SRCV210 | SRCVL210 | 33 | SRCV330 | SRCVL330 |
| 22 | SRCV220 | SRCVL220 | 34 | SRCV340 | SRCVL340 |
| 23 | SRCV230 | SRCVL230 | 35 | SRCV350 | SRCVL350 |
| 24 | SRCV240 | SRCVL240 | 36 | SRCV360 | SRCVL360 |



Stage hardened allowing for greater flexibility during operation.



Tooth geometry specifically designed for cutting rail track.



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

SRA25 SRCV130 - SRCV360
SRA50 SRCVL130 - SRCVL360



TCT RAIL CUTTERS



- Carbide tipped for extended tool life and specific tooth geometry, manufactured for cutting rail track.
- Rail TCT cutters are specified to resist higher temperatures and drill the world's toughest rail.
- Designed for maximum stability and strength, with straight flute design for better material removal and tip strength.



TCT Rail Cutters • Specifications

| Dia mm | 25mm D.O.C | 50mm D.O.C | Dia mm | 25mm D.O.C | 50mm D.O.C |
|--------|------------|------------|--------|------------|------------|
| 18 | SCRWC18 | SCRWCL18 | 30 | SCRWC30 | SCRWCL30 |
| 19 | SCRWC19 | SCRWCL19 | 31 | SCRWC31 | SCRWCL31 |
| 20 | SCRWC20 | SCRWCL20 | 32 | SCRWC32 | SCRWCL32 |
| 21 | SCRWC21 | SCRWCL21 | 33 | SCRWC33 | SCRWCL33 |
| 22 | SCRWC22 | SCRWCL22 | 34 | SCRWC34 | SCRWCL34 |
| 23 | SCRWC23 | SCRWCL23 | 35 | SCRWC35 | SCRWCL35 |
| 24 | SCRWC24 | SCRWCL24 | 36 | SCRWC36 | SCRWCL36 |
| 25 | SCRWC25 | SCRWCL25 | | | |
| 26 | SCRWC26 | SCRWCL26 | | | |
| 27 | SCRWC27 | SCRWCL27 | | | |
| 28 | SCRWC28 | SCRWCL28 | | | |
| 29 | SCRWC29 | SCRWCL29 | | | |



Rotabroach™ TCT Rail cutters have a unique straight flute designed to give a greater stability whilst drilling.



Unique carbide tips for maximum cutting capability in the hardest of material.



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

| | |
|-------|----------------------|
| SRA25 | SCRWC18 - SCRWC36 |
| SRA50 | SCRWCL18 - SCRWCL36* |

*Available upon request



See page 21 and 22 for our rail drills.

TWIST DRILL WITH WELDON SHANK

AND CUTTER ADAPTORS



- Use with any weldon shank arbor to drill small diameter holes where using an annular cutter is not suitable.
- Central coolant hole ensures the lubricant can travel to the tip of the drill giving a longer tool life compared to standard twist drills.
- Manufactured from M42 material enabling the tool to cut hard materials.



Twist Drill with Weldon Shank • Specifications

| | |
|-----------------------------|--|
| Size Range | 6mm - 13.5mmØ / RRTW060 - RRTW135 |
| Cutting Depths | 25mm |
| Max Tensile Strength | <1100N/mm ² |
| Ideal For | Rail Track, Structural Steel & Stainless Steel |

Rotabroach™ • Twist Drill Adaptors

Rotabroach's™ Twist Drill Adaptors are designed for use with stub length drills from 4mm - 13.5mm. Machined to a high tolerance and finish ensuring concentricity is maintained.

| Part No. | Size | Part No. | Size |
|------------|-------|------------|--------|
| RD2003/040 | 4mm | RD2003/098 | 9.8mm |
| RD2003/060 | 6mm | RD2003/100 | 10mm |
| RD2003/070 | 7mm | RD2003/110 | 11mm |
| RD2003/072 | 7.2mm | RD2003/120 | 12mm |
| RD2003/080 | 8mm | RD2003/130 | 13mm |
| RD2003/085 | 8.5mm | RD2003/135 | 13.5mm |
| RD2003/090 | 9mm | | |



Can be adapted for any twist drill up to 13.5mm

Fits any weldon shank arbor



Perfect for drilling bonding holes in rail applications. The ideal solution for drilling small diameter holes with a magnetic drill.



Heavy duty geometry for easy cutting and increased life. Spiral flute for faster material removal.



Weldon shank with low tolerances for increased stability.

TCT HOLESAWS



Suitable for Drilling:

- Structural Steel
- Stainless Steel
- Pipes
- Sheet Metal

- Manufactured with high quality solid carbide tips for maximum performance and reliability.
- High quality M35 drill, spring loaded for fast waste material ejection.
- Vastly increased tool life compared to bi-metal holesaws.
- Used in conjunction with drill chuck.

Holesaws • Specifications

| | |
|-----------------------------|---|
| Size Range | 14mm - 100mm \varnothing / RHS1625 - RHS10025 |
| Cutting Depths | 15mm in Pistol Drill / 25mm in Magnetic Drill |
| Max Tensile Strength | <1400N/mm ² |
| Ideal For | Structural Steel, Stainless Steel & Pipework |

TCT Holesaws • 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 |
|--------|------------|------------|--------|------------|------------|--------|------------|------------|--------|------------|------------|--------|------------|------------|
| 14 | RHS1425 | | 33 | RHS3325 | RHS3350 | 52 | RHS5225 | RHS5250 | 71 | RHS7125 | | 90 | RHS9025 | RHS9050 |
| 15 | RHS1525 | | 34 | RHS3425 | RHS3450 | 53 | RHS5325 | RHS5350 | 72 | RHS7225 | RHS7250 | 91 | RHS9125 | |
| 16 | RHS1625 | | 35 | RHS3525 | RHS3550 | 54 | RHS5425 | RHS5450 | 73 | RHS7325 | RHS7350 | 92 | RHS9225 | |
| 17 | RHS1725 | | 36 | RHS3625 | RHS3650 | 55 | RHS5525 | RHS5550 | 74 | RHS7425 | | 93 | RHS9325 | |
| 18 | RHS1825 | | 37 | RHS3725 | RHS3750 | 56 | RHS5625 | RHS5650 | 75 | RHS7525 | | 94 | RHS9425 | |
| 19 | RHS1925 | RHS1950 | 38 | RHS3825 | RHS3850 | 57 | RHS5725 | RHS5750 | 76 | RHS7625 | | 95 | RHS9525 | RHS9550 |
| 20 | RHS2025 | RHS2050 | 39 | RHS3925 | RHS3950 | 58 | RHS5825 | RHS5850 | 77 | RHS7725 | | 96 | RHS9625 | |
| 21 | RHS2125 | RHS2150 | 40 | RHS4025 | RHS4050 | 59 | RHS5925 | RHS5950 | 78 | RHS7825 | | 97 | RHS9725 | |
| 22 | RHS2225 | RHS2250 | 41 | RHS4125 | RHS4150 | 60 | RHS6025 | RHS6050 | 79 | RHS7925 | | 98 | RHS9825 | |
| 23 | RHS2325 | RHS2350 | 42 | RHS4225 | RHS4250 | 61 | RHS6125 | RHS6150 | 80 | RHS8025 | | 99 | RHS9925 | |
| 24 | RHS2425 | RHS2450 | 43 | RHS4325 | RHS4350 | 62 | RHS6225 | RHS6250 | 81 | RHS8125 | | 100 | RHS10025 | RHS10050 |
| 25 | RHS2525 | RHS2550 | 44 | RHS4425 | RHS4450 | 63 | RHS6325 | RHS6350 | 82 | RHS8225 | | 101 | RHS10125 | |
| 26 | RHS2625 | RHS2650 | 45 | RHS4525 | RHS4550 | 64 | RHS6425 | RHS6450 | 83 | RHS8325 | | 102 | RHS10225 | |
| 27 | RHS2725 | RHS2750 | 46 | RHS4625 | RHS4650 | 65 | RHS6525 | RHS6550 | 84 | RHS8425 | | 103 | RHS10325 | |
| 28 | RHS2825 | RHS2850 | 47 | RHS4725 | RHS4750 | 66 | RHS6625 | | 85 | RHS8525 | | 104 | RHS10425 | |
| 29 | RHS2925 | RHS2950 | 48 | RHS4825 | RHS4850 | 67 | RHS6725 | | 86 | RHS8625 | | 105 | RHS10525 | |
| 30 | RHS3025 | RHS3050 | 49 | RHS4925 | RHS4950 | 68 | RHS6825 | | 87 | RHS8725 | | 106 | RHS10625 | |
| 31 | RHS3125 | RHS3150 | 50 | RHS5025 | RHS5050 | 69 | RHS6925 | | 88 | RHS8925 | | | | |
| 32 | RHS3225 | RHS3250 | 51 | RHS5125 | RHS5150 | 70 | RHS7025 | | 89 | RHS8925 | | | | |



Spiral flutes for fast material removal reducing drill time.

High performance carbide tips for less wear on harder material.

Designed to fit in any 13mm drill chuck.

| | |
|--------------------|---|
| Part Number | |
| RHSK1625TCT | Set contains standard short cutters with the following sizes 16, 18, 19, 20, 22 & 25 with 25mm depth of cut |

MINI CUTTERS



Suitable for Drilling:

- Plastic
- Sheet Metal
- Pipes

- Precision ground teeth and flutes ensure fast, accurate and burr-free holes in seconds.
- For use on sheet metal, pipes and plastics.
- Cut 3 times faster and last 10 times longer than twist drills.
- Low power consumption giving a longer life to cordless drills.

Mini Cutters • Specifications

| | |
|-----------------------------|--|
| Size Range | 6mm - 25mm \varnothing / RCM060 - RCM250 |
| Cutting Depths | *6.4mm up to \varnothing 20mm / 12.7mm over \varnothing 20mm |
| Max Tensile Strength | <900N/mm ² |
| Ideal For | Sheet Metal, Pipes & Plastics |

* For 21-25mm depth, RA118 arbor required

Mini Cutters • Specifications

| Dia mm | Part No. | D.O.C mm | Arbour Required | Dia mm | Part No. | D.O.C mm | Arbour Required |
|--------|----------|----------|-----------------|--------|----------|----------|-----------------|
| 6 | RCM060 | 6.4 | RA116/ RA117 | 16 | RCM160 | 6.4 | RA116/ RA117 |
| 7 | RCM070 | 6.4 | RA116/ RA117 | 17 | RCM170 | 6.4 | RA116/ RA117 |
| 8 | RCM080 | 6.4 | RA116/ RA117 | 18 | RCM180 | 6.4 | RA116/ RA117 |
| 9 | RCM090 | 6.4 | RA116/ RA117 | 19 | RCM190 | 6.4 | RA116/ RA117 |
| 10 | RCM100 | 6.4 | RA116/ RA117 | 20 | RCM200 | 6.4 | RA116/ RA117 |
| 11 | RCM110 | 6.4 | RA116/ RA117 | 21 | RCM210 | 12.7 | RA118 |
| 12 | RCM120 | 6.4 | RA116/ RA117 | 22 | RCM220 | 12.7 | RA118 |
| 13 | RCM130 | 6.4 | RA116/ RA117 | 23 | RCM230 | 12.7 | RA118 |
| 14 | RCM140 | 6.4 | RA116/ RA117 | 24 | RCM240 | 12.7 | RA118 |
| 15 | RCM150 | 6.4 | RA116/ RA117 | 25 | RCM250 | 12.7 | RA118 |

- Available in sizes 6mm - 25mm.
- Available as single items or kits. Kit includes:

8mm - 20mm

RCM080, RCM100
RCM120, RCM140
RCM160, RCM180
RCM200

RK603 - 1/2" - RA116
RK604 - 3/8" - RA117



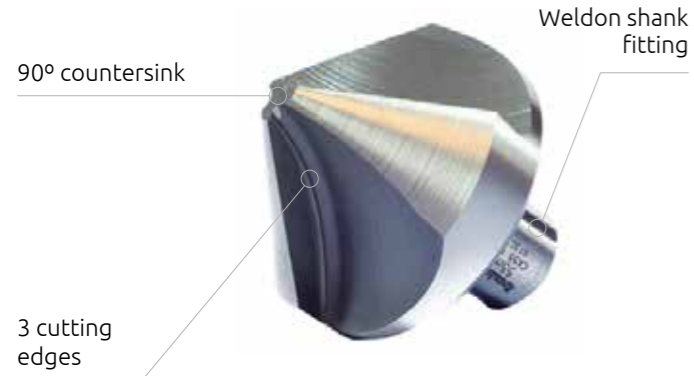
Unique tooth design for less wear.



Designed to fit in any 1/2" or 3/8" drill chuck in hand held drill or drill press.

- See page 40 for our extension arbors and morse taper arbors.

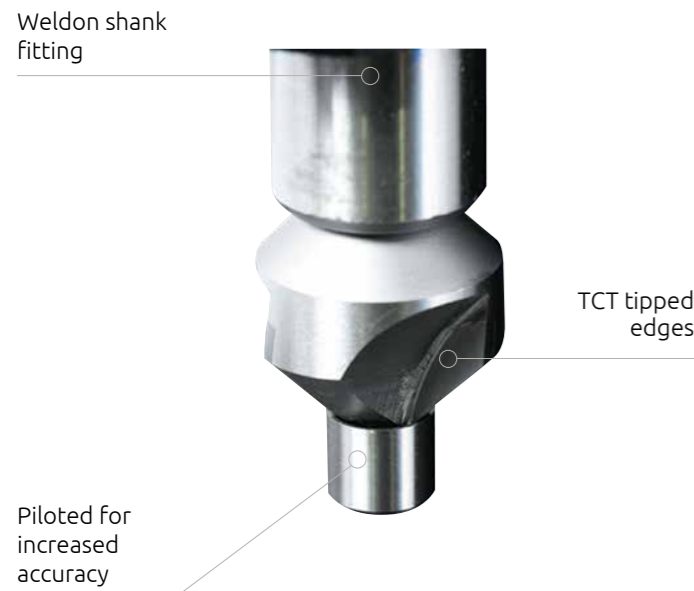
COUNTERSINKS



Countersinks

Manufactured from extremely tough high speed steel. Suitable for all types of portable drills with 3/4" shank. 3 cutting edges, smooth chamfering and high surface finish.

| Part No. | Range |
|----------|--------------------------|
| CK30 | Countersinks up to ø30mm |
| CK40 | Countersinks up to ø40mm |
| CK55 | Countersinks up to ø55mm |



Piloted TCT Countersinks

Manufactured from extremely tough high speed steel. TCT tipped for greater tool life and harder materials. Suitable for all types of portable drills with 3/4" shank. 3 cutting edges, smooth chamfering and high surface finish. Manufactured with pilot bore for greater stability and accuracy.

| Part No. | Range |
|----------|--|
| RPCC201 | Countersinks up to ø42mm |
| RPCC100 | Countersinks kit includes pilots for 14mm, 18mm & 22mm |



CUTTER ADAPTORS & TAPPING COLLETS



Cutter Adaptors

Adapt Rotabroach™ cutters to use in competitor machines, with a 'quick fit' system.

| Conversion | Range |
|------------|------------------------|
| CQA01 | Fein Quick-In Shank |
| CQA02 | One-Touch Shank |
| CQA03 | Nitto Threaded Adaptor |

Collets

Morse Taper - Collet Holders

| | |
|-----------|----------------------------|
| MT8415403 | SIZE 1 - 3MT COLLET HOLDER |
| MT8425403 | SIZE 2 - 3MT COLLET HOLDER |
| MT8435403 | SIZE 3 - 3MT COLLET HOLDER |

Size 1 - Standard Collets

| | |
|----------|------------------------|
| MT861008 | M6 STANDARD TAP COLLET |
|----------|------------------------|

Size 2 - Standard Collets

| | |
|-----------|-----------------------------|
| MT8620009 | M7 STANDARD TAP COLLET |
| MT8620010 | M8/M11 STANDARD TAP COLLET |
| MT8620011 | M9/M12 STANDARD TAP COLLET |
| MT8620012 | M10 STANDARD TAP COLLET |
| MT8620013 | M14 STANDARD TAP COLLET |
| MT8620014 | M16 STANDARD TAP COLLET |
| MT8620015 | M18/M20 STANDARD TAP COLLET |
| MT8620016 | M22 STANDARD TAP COLLET |
| MT8620017 | M24 STANDARD TAP COLLET |

Size 2 - Clutched Collets

| | |
|-----------|---------------------|
| MT8622010 | M8 CLUTCHED COLLET |
| MT8622011 | M9 CLUTCHED COLLET |
| MT8622012 | M10 CLUTCHED COLLET |
| MT8622013 | M14 CLUTCHED COLLET |
| MT8622014 | M16 CLUTCHED COLLET |
| MT8622015 | M18 CLUTCHED COLLET |
| MT8622016 | M22 CLUTCHED COLLET |
| MT8622017 | M24 CLUTCHED COLLET |
| MT8622050 | M11 CLUTCHED COLLET |
| MT8622051 | M12 CLUTCHED COLLET |
| MT8622052 | M20 CLUTCHED COLLET |

Size 3 - Standard Collets

| | |
|-----------|-----------------------------|
| MT8630013 | M14 STANDARD TAP COLLET |
| MT8630014 | M16 STANDARD TAP COLLET |
| MT8630015 | M18/M20 STANDARD TAP COLLET |
| MT8630016 | M22 STANDARD TAP COLLET |
| MT8630017 | M24 STANDARD TAP COLLET |
| MT8630018 | M27/M30 STANDARD TAP COLLET |

Size 3 - Clutched Collet

| | |
|-----------|-------------------------------|
| MT8632053 | 8632053 - M30 CLUTCHED COLLET |
|-----------|-------------------------------|



STEP DRILLS & TAPS

The step drill allows a number of popular hole sizes to be drilled with just one tool.



Step Drills - Five Steps • Specifications

12mm plate - with 3/4" Weldon Shank

| Part no. | Item no | Description |
|----------|---------|----------------------------------|
| 19X8M5 | 19000 | Starter - 8, 10, 12, 14, 16mm |
| 19X10M5 | 19002 | Starter - 10, 12, 14, 16, 18mm |
| 19X20M5 | 19004 | Starter - 20, 22, 24, 26, 28mm |
| 19X30M5 | 19006 | Follow on - 30, 32, 34, 36, 38mm |
| 19X40M5 | 19008 | Follow on - 40, 42, 44, 46, 48mm |

Step Drills - Three Steps • Specifications

25mm plate - with 3/4" Weldon Shank

| Part no. | Item no | Description |
|----------|---------|--------------------------|
| 19X10M3 | 19020 | Starter - 10, 12, 14mm |
| 19X16M3 | 19022 | Starter - 16, 18, 20mm |
| 19X22M3 | 19024 | Follow on - 22, 24, 26mm |
| 19X28M3 | 19026 | Follow on - 28, 30, 32mm |
| 19X34M3 | 19028 | Follow on - 34, 36, 38mm |
| 19X40M3 | 19030 | Follow on - 40, 42, 44mm |
| 19X46M3 | 19032 | Follow on - 46, 48, 50mm |

2-in-1 Drill Tap • Specifications

2 in 1 with 3/4" Weldon Shank

| Part no. | Item no | Description - Metric |
|----------|---------|----------------------|
| 19AM12 | 19077 | Drill Tap M12 x 1.75 |
| 19AM16 | 19078 | Drill Tap M16 x 2.0 |
| 19AM20 | 19079 | Drill Tap M20 x 2.5 |
| 19AM24 | 19080 | Drill Tap M24 x 3.0 |

Combi Drill/Tap Kit • Specifications

2 in 1 with 3/4" Weldon Shank

| Part no. | Item no | Description - Metric |
|----------|---------|-------------------------|
| 19KDT6 | 19205 | Drill/Tap Kit M6 x 1.0 |
| 19KDT8 | 19206 | Drill/Tap Kit M8 x 1.25 |
| 19KDT10 | 19200 | Drill/Tap Kit M10 x 1.5 |

2-in-1 Drill Tap Kit • Specifications

Annular cutter and tap with 3/4" Weldon Shank

| Part no. | Item no | Description - Metric |
|----------|---------|--------------------------|
| 19KDT12 | 19201 | Drill/Tap Kit M12 x 1.75 |
| 19KDT16 | 19202 | Drill/Tap Kit M16 x 2.0 |
| 19KDT20 | 19203 | Drill/Tap Kit M20 x 2.5 |
| 19KDT24 | 19204 | Drill/Tap Kit M24 x 3.0 |



ACCESSORIES



Extension Arbor

Designed for extended reach, whilst maintaining concentricity over various lengths.

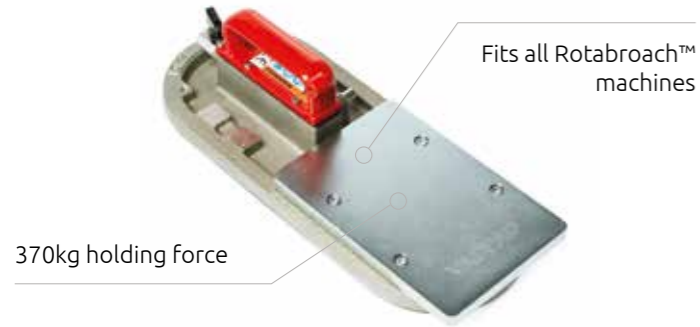
| Part No. | Extension |
|----------|-----------|
| RD2091 | 25mm |
| RD2090 | 50mm |
| RD2092 | 75mm |
| RD2102 | 100mm |
| RD2103 | 150mm |
| RD2104 | 200mm |
| RD2105 | 250mm |



Morse Taper Arbors

Rotabroach™ produce a number of 'Morse Tapers' from 2 morse - 5 morse, to allow the use of our cutters in any morse taper machine. All come with coolant feed.

| Part No. | Morse Taper | Shank Dia | Depth |
|---------------------------|-------------|-----------|-------|
| CA120 | 2 | 19.05mm | 50mm |
| CA130 | 3 | 19.05mm | 50mm |
| CA130 + Pilot RA3120 | 3 | 19.05mm | 75mm |
| CA130 + Pilot RA3122 | 3 | 19.05mm | 100mm |
| CA130X | 3 | 32mm | 50mm |
| CA130X + Pilot RA3121 | 3 | 32mm | 75mm |
| CA130X + Pilot RA3123 | 3 | 32mm | 100mm |
| CA1375 + Pilot SRA130 | 3 | 19.05mm | 75mm |
| CA3310 + Pilot 20ZAXL400P | 3 | 32mm | 100mm |
| CA140 | 4 | 19.05mm | 50mm |
| CA1475 | 4 | 19.05mm | 75mm |
| CA340 | 4 | 32mm | 50mm |
| CA3475 | 4 | 32mm | 75mm |
| CA1575 | 5 | 19.05mm | 75mm |
| CA3510 | 5 | 32mm | 100mm |
| CA1510 | 5 | 19.05mm | 100mm |



Fits all Rotabroach™ machines

370kg holding force

Vacuum Pad

For applications where it is unsuitable to fit the magnet of a drill directly to the material surface.

With a holding force of 368kg at the centre position means that magnetic drills can be used on even non magnetic surfaces.

An air supply of 4 cubic feet per minute and minimum pressure of 70psi is required.

| | |
|-----------------|-------|
| Part No. | DB121 |
|-----------------|-------|

Cutting Lubricants

Rotabroach™ cutting fluid and lubricants have been formulated to ensure you get the most out of your cutters.

For applications where fluid is unsuitable we have our 'Slick-Stik™' lubrication sticks ensuring you can still use lubrication even when working at height.



| Part No. | Volume |
|----------|-----------------------|
| RD208 | 1L Neat Cutting Fluid |
| RD229 | 5L Neat Cutting Fluid |
| RD2094 | Cutting Paste 500g |
| RD40068 | Slick-Stik™ 1.68oz |
| RD40065 | Slick-Stik™ 16oz |

Swarf Stick

This hand held lightweight tool helps attract ferrous metal chippings and swarf which can easily be removed from the work area.

Simply push in the handle and place the tool over the metal chippings and swarf. The stick will attract the waste to itself.

| | |
|-----------------|------------|
| Part No. | CT/010/100 |
|-----------------|------------|



Lightweight and easy to use



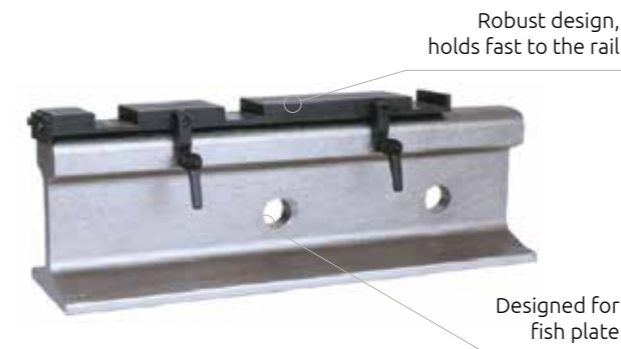
Bespoke Solutions

Our rail drills are adapted to suit whatever rail form you need.

We have most of the common rail forms on file, plus our design team can accommodate any specific requests.

Hole Centre Locator

- Used for the correct measurements for fish plates, S&T, bonding holes and axle counters.
- All rail forms and spacings can be catered for and our designers will be able to deal with any special requests.



Robust design, holds fast to the rail

Designed for fish plate

Multiform Templates

- Multiform templates are a fast, easy and accurate system, to ensure drilling at the correct height.
- Two rail profiles are allowed per template, giving you flexibility to use on a multitude of rail.



Secure fixing for less movement

2 rail forms per template can be applied

Tram Adaptor

- The Rhino 4 and Rhino E are both adaptable for drilling tram rail. The tram adaptor kit elongates the rail clamp to fit over wider rails.
- With a number of different templates, we can support most common types of tram rail requirements.
- Our design team are also able to design to your specific requirements.



Spacer for additional reach

Tram templates



OSL
Cutting
Technologies

RotabroachTM

The original name in cutting solutions

Burgess Road, Sheffield S9 3WD

Tel: +44 (0)114 221 2510 | Email: sales@oslct.co.uk

www.rotabroach.co.uk