



Designing and  
producing superior  
drilling products



**Corporaal Enterprises**



## **GORILLA GRIP**

**BREAKOUT SYSTEM**



The Gorilla Grip breakout system is developed as an after market breakout to retro fit to Atlas DML, DM45 & DM50's with minimal modifications and due to its compact design and optional incorporated deck spanner and/or rod kicker this breakout is capable of being mounted into more then just atlas blast hole rigs.

This unit is a completely hands free system with one of the largest clamp ranges in

any Mast In Mount (M.I.M) class that is achieved without the use of jaw spacers to allow for one man operations and controlled completely from within the drill cab. Designed as a M.I.M breakout the Gorilla Grip retracts neatly behind the drill string line freeing up deck space & removing any trip hazards or crush zones, as apposed to the more common "swing in" type breakout systems.

Hydraulic controls can be supplied at request to suite electric over hydraulic or standard hydraulic valve controls.

**PRODUCT CODE - M3200-62**

**RANGE - 4 1/2" - 8"**

**BREAKOUT TORQUE - 40,674 N-M  
(30,000 LBF.FT)**

**CLAMPING FORCE - 28,000 KGF (61,729 LBF)**

**27° OF ROTATION**

**ENVELOPE SIZE - 48.5CM X 49CM X 72.8CM**

**WEIGHT - 450 KGS**



# DUAL ROTARY BREAKOUT SYSTEM

Corporaal enterprises mast in mount Dual Rotary Breakout System is an after market breakout designed to retro fit into T685 & T450 drill rigs with none to minimal modifications required. Fabricated from high tensile steel, these breakouts are light weight, compact and built to last. More common breakouts only achieve between 25° to 30° of rotation, the dual rotation top and bottom clamps allows for 52° of rotation, a major advantage in breaking out drill string and hammers in one operation.



**15% more torque than the next competitor**

**Between 48% to 57% more rotation**

**17.5 tonne Clamping force**

**Dual Rotating clamps**

**CAN bus or PLC control system options**

**Capable of breaking hammers  
Compact design**

**PRODUCT CODE - M3141-62**

**RANGE - 4 - 6 INCH**

**BREAKOUT TORQUE - 25,489 N-M (18,800 FT./LBS)**

**CLAMPING FORCE - 17,500 KGF (38,581 LBF)**

**52° OF ROTATION**

**ENVELOPE SIZE - 55 CM X 43 CM X 37 CM**

**WEIGHT - 350 KGS**





**CED**  
Diamond Breakout

**PRODUCT CODE - M3608-62 | RANGE - 37MM TO 115MM(1.5" TO 6")**  
**BREAKOUT TORQUE - 14,000 NM @ 208 BAR(10,3000 FT/LB @ 3000 PSI)**  
**CLAMPING FORCE - 6,600 KGF(14,700 LBF) | 25° OF ROTATION**  
**ENVELOPE SIZE - 45 CM X 30 CM X 24.5 CM(17.7" X 11.8" X 4.8")**  
**MAX WORKING PRESSURE - 500 BAR(5000 PSI)**  
**MAX FLOW - 15 LPM(3.9 GPM) | WEIGHT - 35 KGS(77 LBS)**

**CED Diamond breakout** is a light weight & compact breakout system which can either be mounted inside the mast or as a swing in system. The breakout comes as a dual rotation unit with top and bottom rotating clamps giving 50° of rotation or as a single unit with single clamp and rotate; this unit was originally designed as a retro fit for UDR1200 model drill rigs as a mast in mount breakout, tramming into position from behind the drill line within the mast, keeping line of sight to the drill table free from obstructions.

**PRODUCT CODE - M3609-62 | RANGE - 37MM TO 115MM(1.5" TO 6")**  
**BREAKOUT TORQUE - 14,000 NM @ 208 BAR(10,3000 FT/LB @ 3000 PSI)**  
**CLAMPING FORCE - 6,600 KGF(14,700 LBF) | 50° OF ROTATION**  
**ENVELOPE SIZE - 45 CM X 30 CM X 24.5 CM(17.7" X 11.8" X 9.6")**  
**MAX WORKING PRESSURE - 500 BAR(5000 PSI)**  
**MAX FLOW - 15 LPM(3.9 GPM) | WEIGHT - 70 KGS(154 LBS)**



**CED**  
Diamond Breakout  
Dual Rotary

# SWING IN BREAKOUT RANGE

Corporaal Enterprises swing in breakout range have breakouts to suit rigs large and small. All the below breakouts are single clamp/break & are designed to be used with a deck spanner. Depending on the area around the mast, the drive for swinging the breakout into position can either be achieved by slew drive or hydraulic cylinder.



## **CE-130 SPECIFICATIONS - PRODUCT CODE - M2821-62**

BREAKOUT TORQUE - 76,530 NM (56,445 FT/LBS) | CLAMPING FORCE - 20,484 KGF (45,160 LBF)

RANGE - 127MM - 254MM (5" - 10") | DIMENSIONS - 130 CM X 67.5 CM X 55.5 CM (51.2" X 26.5" X 21.8")

## **M104 SPECIFICATIONS - PRODUCT CODE - M104-62**

BREAKOUT TORQUE - 82,000 NM (60,480 FT/LBS) | CLAMPING FORCE - 20,484 KGF (45,160 LBF)

RANGE - 127MM - 203MM (5" - 8") | DIMENSIONS - 130 CM X 56.7 CM X 55.2 CM (51.2" X 22.3" X 21.7")

## **SRP SPECIFICATIONS - PRODUCT CODE - M2919-62**

BREAKOUT TORQUE - 40,750 NM (30,000 FT/LBS) | CLAMPING FORCE - 43,000 KGF (19,500 LBF)

RANGE (WITH INSERTS) - 50.8MM - 152MM (2" - 6") | DIMENSIONS - 50 CM X 106 CM X 22.2 CM (19" X 41.7" X 8.75")

## **TGW-4 SPECIFICATIONS - PRODUCT CODE - M2821-62**

BREAKOUT TORQUE - 108,450 NM (80,000 FT/LBS) | CLAMPING FORCE - 36,950 KGF (81,500 LBF)

RANGE (WITH INSERTS) - 73MM - 381MM (2 7/8" - 15") | DIMENSIONS - 88.5CM X 132 CM X 65 CM (35" X 52" X 25.6")



\*SPECS FROM LEFT TO RIGHT



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