

## SHOCK-CUSION SUBS

Montrae Mining Shock-Cusion Subs are used in angle and vertical drilling operations for reducing vibration and wear in rotary heads and drilling rigs. The unique design allows soft connections of rod threads and decreases the impact on rotary heads and masts.

### IMPORTANT FUNCTIONS

- Montrae Mining Shock-Cusion Subs can be used on hammer drilling or rotary drilling
- Has the ability to reduce vibration in drill mode or retract mode
- Provides soft connection with mating threads
- Longer thread life
- Longer bearing and gear life
- Has proven ability to increase rotary head life and drill rig down time

### ACCESSORIES

- Crossovers, savers and adaptors – custom to Rig configuration
- Locking System for connection to the rotary head. An effective means for connection eliminating any need for heating and welding. In turn allows for quick change out with minimum personnel.



Series	2600	3000	HD3000	3600	4600	5600	6600
Rig Type	Small	Small to Medium	Medium	Medium	Medium to Large	Large	Extra Large
Applications	Rotary & Hammer	Rotary & Hammer	Rotary & Hammer	Rotary & Hammer	Rotary & Hammer	Rotary & Hammer	Rotary & Hammer
Pulldown lbs	130,000	220,000	240,000	250,000	300,000	500,000	500,000
Torque Ft lbs	13,000	25,000	30,000	30,000	40,000	40,000	50,000
Weight kg (lbs)	104 (229.3)	135 (297.7)	220 (485)	268 (590.9)	442 (974.6)	820 (1,808.1)	1250 (2756)
Diameter mm (in):	260 (10.2)	300 (11.8)	305 (12)	360 (14.2)	460 (18.1)	560 (22.0)	660 (26.0)
Length mm (in):	382 (15)	415 (16.3)	475 (18.7)	562 (22.1)	562 (22.1)	650 (25.6)	705 (27.7)
Typical Hole Diameters mm (in):	101 - 168 (4 - 6 5/8)	127 - 203 (5 - 8)	158 - 234 (6 1/4 - 9 1/4)	203 - 270 (8 - 10 5/8)	229 - 311 (9 - 12 1/4)	270 - 406 (10 5/8 - 16)	304.8 (12) & above