



**MID-WESTERN
LLC**

Mid-Western S83 Rock Drills



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MID-WESTERN LLC

Mid-Western S83 model rock drills are the most efficient drills on the market. With technology acquired from Gardner Denver in the 1980's, Mid-Western is the OEM of the S83 line of jackleg, sinker, and stoper drills. We have over 70 years of experience in the rock drill industry. There are imitators on the market, but nobody can match our quality.

MWS83 Jackleg Drill

The most dependable jackleg drill on the market! This workhorse has been the industry leader for decades, and for good reason. It's hard-hitting and has fast penetration rates with low maintenance costs. Careful weight distribution and balance provide greater operator efficiency with less fatigue. Available with either standard telescopic feed legs or power retractable feed legs in a number of lengths for plenty of versatility.



MWS83 Sinker Drill

The power of the S83 jackleg in a sinking hammer. Great for shaft sinking, quarry work, construction work, and utility work. It comes equipped with heavy-duty neoprene rubber grips for added comfort.



MWRB83 Stoper Drill

A powerful and robust stoper drill that's great for overhead applications. This unit has plenty of power and torque to drive roof bolts and fasten roof bolt nuts. Available with two leg options for better access in tight spaces.



MWS83 Rock Drill Specifications

	US	Metric
Piston Diameter	3"	76 mm
Length of Stroke	2.5"	64 mm
Overall Length	27-1/4"	688 mm
Total Weight	72 lbs.	32.4 kg
Air Hose Size	1"	25 mm
Water Hose Size	1/2"	13 mm
Chuck Size	7/8" or 1" x 4 1/4"	22 mm or 25 mm x 108 mm

Pressure (PSI)	Percussion Speed (Impacts per Minute)	Energy Per Blow (LB/FT)
80	2,256	59.6
90	2,302	69.2
100	2,418	84.8

Rock Drill Options

Item Number	Drill Type	Steel Size	Leg Model
MWS83FA	Feed Leg Drill	7/8" (22 mm)	FL7
MWS83FB	Feed Leg Drill	1" (25 mm)	FL7
MWS83FC	Feed Leg Drill	7/8" (22 mm)	TUL2B
MWS83FD	Feed Leg Drill	1" (25 mm)	TUL2B
MWS83DA	Sinker Drill (Dry)	7/8" (22 mm)	N/A
MWS83DB	Sinker Drill (Dry)	1" (25 mm)	N/A
MWS83WA	Sinker Drill (Wet)	7/8" (22 mm)	N/A
MWS83WB	Sinker Drill (Wet)	1" (25 mm)	N/A
MWRB83A	Stoper Drill	7/8" (22 mm)	RB83TUL
MWRB83B	Stoper Drill	1" (25 mm)	RB83TUL

Additional Equipment

Item Number	Description
FL990X	Swivel assembly to connect Jackleg drills with TUL2B style legs
1FL7310X	Swivel assembly to connect Jackleg drills with FL7 style legs
MWS83FM	Wrap-around muffler assembly for S83 rock drills
MWLO7B	Air line lubricator with 1.5 pint capacity

Feed Leg Options

TUL2B Model (Telescopic)

Item Number	Length of Feed Travel	Collapsed Length	Extended Length
TUL2B24	24" (61 cm)	29-3/8" (75 cm)	53-3/8" (136 cm)
TUL2B36	36" (91 cm)	35-3/8" (90 cm)	71-3/8" (181 cm)
TUL2B48	48" (122 cm)	41-3/8" (110 cm)	89-3/8" (227 cm)
TUL2B60	60" (152 cm)	47-3/8" (120 cm)	107-3/8" (273 cm)
TUL2B72	72" (183 cm)	53-3/8" (136 cm)	125-3/8" (318 cm)

FL7 Model (Power Retractable)

Item Number	Length of Feed Travel	Collapsed Length	Extended Length
FL736	36" (91 cm)	54" (137 cm)	90" (229 cm)
FL742	42" (107 cm)	60" (152 cm)	102" (259 cm)
FL754	54" (137 cm)	72" (183 cm)	126" (320 cm)

RB83TUL (Stoper Leg)

Item Number	Length of Feed Travel	Collapsed Length	Extended Length
RB83TUL24	24" (61 cm)	27-1/4" (69 cm)	55" (140 cm)
RB83TUL36	36" (91 cm)	33-1/4" (84 cm)	67" (170 cm)



Rock Drill Oil

Item Number	Temperatures	ISO Viscosity Grade	Minimum Flash Point
MRD127-ISO32	Below 20F (-7C)	32	360F (182C)
MRD127-ISO68	20F to 40F (-7C to 4C)	68	405F (207C)
MRD127-ISO100	40F to 80F (4C to 27C)	100	420F (216C)
MRD127-ISO150	80F to 110F (27C to 43C)	150	445F (229C)
MRD127-ISO220	Above 110F (43C)	220	470F (243C)



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MWS83 Demon Drill

Have a project that needs multiple holes drilled? Our Demon Drill may be the solution for you. Our line of S83 hand-held drills have been used in mining and construction projects across the world for decades. We have harnessed the power of the S83 drill and mounted the unit to a feed system so you no longer have to physically hold the drill. The result is a hard-hitting, powerful, efficient, rock drill with no operator fatigue. With so many applications, The Demon Drill is a great fit for surface and underground mines, quarries, geotechnical drilling companies, jacking and grouting companies, construction companies, utility companies, road crews, fencing contractors, and more.

Features

- Completely pneumatic operation (stroke, rotation, and hammering)
- Simple, easy-to-use controls
- Available with or without water connection for water or air flushing
- Unit can tilt and lock in place up to 30 degrees to the left and right
- Available with a 2" receiver hitch mount or a plate mount to attach to equipment
- Hole diameters ranging from 5/8" to 3"+
- 2,302 beats per minute (when drilling at 90 PSI)



Mini skid unit pictured is sold separately



Mid-Western takes pride in manufacturing the best rock drills on the market. We have over 70 years of experience in the rock drill industry. We stand behind our products and want you to feel comfortable with your purchase. If a problem arises, all products come with a 90 day warranty from the date of purchase against any manufacturer defects.

The optimal air pressure for Mid-Western S83 Rock Drills is 90 PSI. In order to maintain that pressure, an air compressor with at least 185 CFM is normally required. Please note that there are many factors that can affect the performance of your drill such as altitude, proper lubrication, length of air hoses, rock type and hardness, and more. It is critical to properly maintain and care for your Mid-Western S83 Rock Drills.

Contact us today if you have any questions, or visit us online to find a distributor near you.

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