



TOP MOUNT ROOFBOLTER

HIGH SPEED or HIGH TORQUE GEAR BOX

STD THRUST & LOW PRESSURE MODELS



The RAMBOR® TOP MOUNT LOW PRESSURE ROOFBOLTER leads the way with its advanced design and balance. The RAMBOR® Top Mount Low Pressure Roofbolter can increase your mining efficiency where it counts, at the coal face. RAMBOR® is lightweight design range from 33.5kg to 44.5kg.

USD LEG

For those who prefer the USD leg — our most popular style of machine (i.e. outer leg attached to the headpiece) this Roofbolter with its advanced leg thrust coupled with the fact it has a cone and cup bearing in the top end of the gear box (Timken type race) to withstand end loads when bolting. This protects the gearbox and cam clutch from excessive end load minimising maintenance on gear box components.

The water distribution block is fitted with relief vents to the water jacket to ensure that in the event of a water seal failure, water is vented to atmosphere and not into the gear box motor causing both grease and oil lube to be flushed out.

The Top Mount configuration fitted with RAMBOR'S unique silencer system is far quieter than any other machine previously used. In fact noise levels registered as low as 84 dB(A) at coal face area. Higher rates up to 95 dB(A) would be obtained in workshop areas constructed of masonry or iron walls. The design of the silencer ensures that oil misting on discharge is kept to an absolute minimum.

ADVANCED DUMPING

RAMBOR'S advanced twin dump system can save valuable time in stressed "strata" conditions. The twin dump valve system not only assists speeding up the bolting cycle but allows the leg sections to retract without effort from the operator. The exhaust air being allowed to exhaust at twice the normal rate. Single dump can also be supplied for those not wanting fast retraction of the roofbolter.



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TECHNICAL SPECIFICATIONS FOR : TOP MOUNT USD - HIGH SPEED [1439] OR HIGH TORQUE [1142] GEARBOX
 - STD THRUST & LOW PRESSURE [MAXI] MODELS
 With 70mm MOTOR WITH 14-39 and 11 - 42 GEAR RATIO - MOTOR SPECS AT 1000 lbf (453 kgf) THRUST
 With 95mm MOTOR WITH 14-39 GEAR RATIO - MOTOR SPECS AT 1000 lbf (453 kgf) THRUST

		HIGH SPEED		HIGH TORQUE	
Motor Size		@ 689 kPa 14-39 ratio	@ 413 kPa 14-39 ratio	@ 689 kPa 11-42 ratio	@ 413 kPa 11-42 ratio
R.P.M	70 95	900 850 - 900	740 600	700 N/A	520 N/A
Air Consumption	70 95	2832 - 3256 l/m 2832 - 3398 l/m	2548 - 2832 l/m 2832 - 3398 l/m	2832 - 3256 l/m	2548 - 2832 l/m
Water supply		861 - 1206 kPa	861 - 1206 kPa	861 - 1206 kPa	861 - 1206 kPa
Water flow rate std		10-11 l/min	10-11 l/min	10-11 l/min	10-11 l/min
Water flow rate hi flow		12-13 l/min	12-13 l/min	12-13 l/min	13-13 l/min
Stall torque	70 95	203 Nm 251 Nm	122 Nm 163 Nm	271 Nm	149 Nm
Torque through clutch		339 Nm	339 Nm	339 Nm	339 Nm
<u>Std Leg thrust</u>					
Stage 1		907 kgf	545 kgf	907 kgf	545 kgf
Stage 2		680 kgf	409 kgf	680 kgf	409 kgf
Stage 3		453 kgf	272 kgf	453 kgf	272 kgf
<u>Maxi Leg thrust</u> (Low Pressure)					
Stage 1		1134 kgf	682 kgf	1134 kgf	682 kgf
Stage 2		907 kgf	545 kgf	907 kgf	545 kgf
Stage 3		680 kgf	409 kgf	680 kgf	409 kgf
Noise level		84-95 dB(A)	84 - 95 dB(A)	84-95 dB(A)	84 - 95 dB(A)
Weight range		33.5 - 44.5 kg	33.5 - 44.5kg	33.5 - 44.5 kg	33.5 - 44.5kg

REFER TO RAMBOR® ROOFBOLTER OPERATORS GUIDE AND SAFETY POINTS
 FOR SAFE WORKING PRACTICES

3 STAGE MODELS	COLLAPSED	&	EXTENDED LENGTHS (APPROX. mm)	
RTM3/1745	1700		4500	NOTE: OTHER STYLES and SIZES ALSO AVAILABLE
RTM3/1540	1500		4000	
RTM3/1436	1364		3574	
RTM3/1332	1264		3144	
RTM3/1228	1164		2749	
RTM3/1124	1100		2400	