

Optimal productivity

Epiroc's DHR 6 is a rugged, hydraulically powered rotary unit which provides effective, high quality results with any type of down the hole (DTH) hammer.



Multiple model types are available

Optional floatingsub

Multiple options for hydraulic motors

Designed for safe and reliable operation

ROTATION DHR6 SERIES

Main benefits

The power to drill large holes

High quality penetration results with any type of down the hole DTH hammer

Enables the DTH hammer to exert greater power, which significantly accelerates the drilling rate

Prolonged drill pipe life



Models: DHR 6H (surface); DHR 6RC (reverse circulation); DHR 6 HU (underground); DHR 6W (water powered DTH underground).



Service tools are available to facilitate precise and correct machine maintenance ensuring equipment safety and performance.



All spare parts and ware parts are available.

Technical specifications

DHR 6H (for standard surface applications)

Description	Part number	Adapter type	Adapter thread	Optimal size DTH hammer	Torque, max	Speed, max	Hydraulic motor displacement	Flow, max	Pressure drop, max	Weight	Length
DHR6H 45-2	4350 276102	Fixed	2 3/8 inch API Reg. Box	4 - 5 inch	3 000 Nm (2 212 lbf-ft)	136 rpm	125 cm ³ (7.7 in ³)	150 l/min (5.3 cfm)	210 bar (3 046 psi)	180 kg (397 lb)	528 mm (1 ft 8.8 inch)
DHR6H 56-2	4350 276202			5 - 6 inch	3 900 Nm (2 867 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)				534 mm (1 ft 9 inch)
DHR6H 56-6	4350 276206		3 1/2 inch API Reg. Box	5 - 6 inch	3 900 Nm (2 867 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)				534 mm (1 ft 9 inch)
DHR6H 68-6	4350 276306			6 - 8 inch	5 100 Nm (3 761 lbf-ft)	68 rpm	250 cm ³ (15.2 in ³)		550 mm (1 ft 9.6 inch)		
DHR6H 78-6	4350 276406			7 - 8 inch	6 400 Nm (4 720 lbf-ft)	54 rpm	315 cm ³ (19.2 in ³)		561 mm (1 ft 10 inch)		
DHR 6H45-1	4350 276101	Floating	2 3/8 inch API Reg. Box	4 - 5 inch	3 000 Nm (2 212 lbf-ft)	136 rpm	125 cm ³ (7.7 in ³)	150 l/min (5.3 cfm)	210 bar (3 046 psi)	245 kg (540 lb)	845 mm (2 ft 9.3 inch)
DHR6H 56-1	4350 276201			5 - 6 inch	3 900 Nm (2 867 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)				851 mm (2 ft 9.5 inch)
DHR6H 56-3	4350 276203		3 1/2 inch API Reg. Box	5 - 6 inch	3 900 Nm (2 867 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)				851 mm (2 ft 9.5 inch)
DHR6H 68-3	4350 276303			6 - 8 inch	5 100 Nm (3 761 lbf-ft)	68 rpm	250 cm ³ (15.2 in ³)		867 mm (2 ft 10 inch)		
DHR 6H78-3	4350 276403			7 - 8 inch	6 400 Nm (4 720 lbf-ft)	54 rpm	315 cm ³ (19.2 in ³)		878 mm (2 ft 10.6 inch)		

DHR 6RC (for surface applications using reverse circulation)

Description	Part number	Adapter type	Adapter thread	Optimal size DTH hammer	Torque, max	Speed, max	Hydraulic motor displacement	Flow, max	Pressure drop, max	Weight	Length
DHR 6RC68	4350 266302	Fixed	4 inch RC Metzke Long Pin	6 - 8 inch	5 100 Nm (3 761 lbf-ft)	68 rpm	250 cm ³ (15.2 in ³)	150 l/min (5.3 cfm)	175 bar (2 538 psi)	175 kg (386 lb)	697 mm (2 ft 3.4 inch)
DHR 6RC78	4350 266304			7 - 8 inch	6 400 Nm (4 720 lbf-ft)	54 rpm	315 cm ³ (19.2 in ³)				708 mm (2 ft 3.8 inch)

DHR6HU (for underground applications)

Description	Part number	Adapter type	Adapter thread	Optimal size DTH hammer	Torque, max	Speed, max	Hydraulic motor displacement	Flow, max	Pressure drop, max	Weight	Length
DHR 6HU 56-3	4350 276213	Floating	3 1/2 inch API Reg. Box	4 - 6 inch	3 900 Nm (2 876 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)	150 l/min (5.3 cfm)	210 bar (3 046 psi)	245 kg (540 lb)	871 mm (2 ft 10.3 inch)
DHR 6HU 68-3	4350 276313			6 - 8 inch	5 100 Nm (3 761 lbf-ft)	68 rpm	250 cm ³ (15.2 in ³)				887 mm (2 ft 10.9 inch)

DHR 6W (for water powered DTH hammers in underground applications)

Description	Part number	Adapter type	Adapter thread	Optimal size DTH hammer	Torque, max	Speed, max	Hydraulic motor displacement	Flow, max	Pressure drop, max	Weight	Length
DHR 6W56	9236 201240	Fixed	3 1/2 inch Z	5 - 6 inch	3 900 Nm (2 876 lbf-ft)	107 rpm	160 cm ³ (9.8 in ³)	150 l/min (5.3 cfm)	210 bar (3 046 psi)	235 kg (540 lb)	948 mm (3 ft 1.3 inch)
DHR 6W68	9236 201250			6 - 8 inch	5 100 Nm (3 761 lbf-ft)	68 rpm	250 cm ³ (15.2 in ³)				948 mm (3 ft 1.3 inch)

Floating subs/fixed adapters for DHR 6H

Description	Part number
Fixed 2 3/8" API Reg. Box	4350 266210
Fixed 3 1/2" API Reg. Box	4350 266211
Floating 2 3/8" API Reg. Box	4350 266220
Floating 3 1/2" API Reg. Box	4350 266221

Floating subs for DHR 6HU

Description	Part number
Floating, 3 1/2" API Reg. Box	4350 261733