



Geomachine

DRILL BOOMS

Boom size	Light (L)	Medium Duty (M)			Heavy Duty (H)	
Boom type	Direct Cylinder (LD)	Dual Mast (MDM)	Direct Cylinder (MD)	Chain Cylinder (MC)	Direct Cylinder (HD)	Chain Cylinder (HC)
Feed	1400 mm	2400 mm	2400 mm	2400 mm	2700 mm // 3500 mm	2400 mm
Feed cylinder lift capacity	6 ton	16/20 ton	10 ton	6 ton	10-11 ton	11 ton
Feed cylinder push down force	4 ton	8/10 ton	6 ton	5 ton	10/7 ton	10 ton
Movement speed	0,3 m/s	Down: 0,3 m/s, up: 0,4 m/s	Down: 0,25 m/s, up: 0,2 m/s	Down: 0,4 m/s, up: 0,3 m/s	Down: 0,2 m/s, up: 0,15 m/s	Down: 0,3 m/s, up: 0,25 m/s
Mast tilting	Sideways +/- 10 degrees, back and front 10/80 degrees	Sideways +/- 10 degrees, back and front 10/80 degrees	Sideways +/- 10 degrees, back and front 10/80 degrees	Sideways +/- 10 degrees, back and front 10/80 degrees	Sideways +/- 10 degrees, back and front 10/80 degrees	Sideways +/- 10 degrees, back and front 10/80 degrees
Mast displacement	600 mm	600 mm	600 mm	600 mm	1500 mm	1500 mm
Minimum hydraulic flow	80 l/min	150 l/min	130 l/min	130 l/min	150 l/min	150 l/min
Minimum operating pressure	180 bar	200 bar	200 bar	200 bar	200 bar	200 bar
Weight	700 kg	1500 kg	1200 kg	1200 kg	1300 kg	1300 kg
Hydraulic hammer	Lifton LH170 / LH 270	Soosan SQ20 / SQ30	Soosan SQ20 / SQ30	Soosan SQ20 / SQ30	Soosan SQ35 / Doofor DF550G	Soosan SQ35 / Doofor DF550G
Hydraulic hammer impact energy	65 / 125 Joules	179 / 335 Joules	179 / 335 Joules	179 / 335 Joules	335 / 230 Joules	335 / 230 Joules

Drill tables	One gear, floating table	Two gears; one fixed and one floating / fixed + straight cylinder pressing	Two gears; one fixed and one floating / fixed	Two gears; one fixed and one floating / fixed	Two gears; one fixed and one floating / fixed	Two gears; one fixed and one floating / fixed
Rod lock	Single for rods and pipes	Double with opener for rods and pipes	Double with opener for rods and pipes	Double with opener for rods and pipes	Double with opener for rods and pipes	Double with opener for rods and pipes
Constant feed and rotation control	●	●	●	●	●	●
Electric torque measurement	●	●	●	●	●	●
Mast winch	Electric	Electric / Hydraulic	Electric / Hydraulic	Electric / Hydraulic	Electric / Hydraulic	Electric / Hydraulic
Double bar lock, side squeezing + opener		● (19-140 mm)	● (19-140 mm)	● (19-140 mm)	● (22-250 mm)	● (22-250 mm)
Additional lights	●	●	●	●	●	●
Anchoring	●	●	●	●	●	●
Drill neck and water slag	●	●	●	●	●	●

ROTATORS				
Rotator unit type	Rotator Torgue	RPM	Chuck diameter	Remarks
Light Duty (V-300)	1200 Nm	0-80	22-32 mm	
Medium Duty (V-500)	1900/2800 Nm	0-90/0-85	22-45 / 32-56 mm	
Hard Duty (V-700)	3250/6200 Nm	0-70/0-35	32-105 mm	When 261 ccm motors used
Rock coring (V-900)*	240/740 Nm	1900/600	Max. 77,5 mm	Or 240Nm/1900 rpm if 35 ccm motor used
Top Drive (T-1000)*	160/250 Nm	2100/1250	49-66 / 61-78 mm	
Epiroc (Diamond coring unit)*	744 Nm	1870	78 mm	

*) Extra price