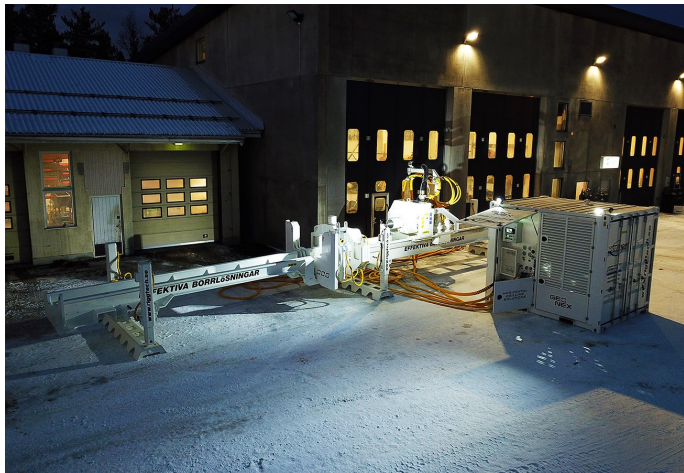


GEONEX HZR1200

HORIZONTAL DTH-DRILLING RIG UP TO Ø1220



HZR1200 rig is the biggest and strongest hammer drilling rig on the market. HZR1200 drills up to Ø1220 steel casings, which is the biggest hammer drilled casing diameter. Even though HZR1200 is very strong machine, it is still versatile and very mobile contracting unit, which covers most of the infrastructural steel cased and rock drilling needs. This combination has a wide drilling diameter range capability from Ø406 to Ø1220, but it is optimal from Ø711 to Ø1220.

APPLICATIONS FOR GEONEX HZR1200

✓ Horizontal drilling with steel pipe

Steel pipe works as a casing for water, sewer, telecommunication, electric etc. flow pipes and cables.

✓ Solid rock hole drilling

Accurate straight and steered rock holes, using tracking technology.

✓ HDD assisting casings

Enables fast and safe start-up for demanding HDD drillings.

ACCESSORIES FOR GEONEX HZR1200

GEONEX PP180 DIESEL DRIVEN HYDRAULIC POWER UNIT

PP180 is a compact and robust power pack. Harsh jobsite conditions set demands that have been taken care of in the engineering.



GEONEX HORIZONTAL DTH-DRILLING EQUIPMENT

Geonex provides specially for horizontal DTH-drilling developed drilling equipment: Overburden drilling systems, Horizontal drilling, DTH hammers, Augers and Tools.



GEONEX OY

Tel. +358 400 693 143

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Teollisuustie 9, FI-95600 Ylitornio, Finland

FOR MORE INFORMATION VISIT

www.geonex.fi

GEONEX HZR1200

HORIZONTAL DTH-DRILLING RIG UP TO Ø1220

TECHNICAL INFORMATION

Geonex HZR1200	
Casing diameter mm (in)	< Ø 1220 (48)
Rock Button diameter mm (in)	< Ø 1220 (48)
DTH Hammer size	12",14", 18",24",30"
Weight kg (lb)	15500 (34170)
Length mm (ft in)	9550 (31' 4")
Width mm (ft in)	2450 (8' 1")
Height (Jack legs in) mm (ft in)	2550 (8' 5")
Feed lenght mm (ft)	7500 (24' 7")
Max feed force KN (lbf)	950 (213560)
Max feed speed, m/min (ft/min)	4 (13)
Max rotation torque, slow Nm (ftlb)	120000(88500)
Max rotation torque, medium Nm (ftlb)	75000 (55310)
Max rotation torque, fast Nm (ftlb)	45000 (33190)
Max rotation speed, slow	8 r/min
Max rotation speed, medium	13 r/min
Max rotation speed, fast	22 r/min
OPTION extension frame mm (ft)	5700 (18' 9")
OPTION extension frame kg (lb)	3500 (7700)
OPTION Water pump	

PP180 Powerpack	
Diesel engine	Deutz TCD 6.1 L06
Engine displacement liters (cid)	6,1 / (370)
Engine power / Emission class	EU Stage 4 / Tier 4 Final
Max. engine speed	2100 rpm
Pump 1 max. flow l/min (gpm)	260 (68)
Pump 2 max. flow l/min (gpm)	260 (68)
Hydraulic max. pressure bar (psi)	350 (5070)
Electric system	24 V
Hydraulic oil capacity l (gal)	420 (110)
Fuel capacity l (gal)	500 (132)
Length mm (ft in)	2991 (9,81)
Width mm (ft in)	2438 (7,99)
Height mm (ft in)	2800 (9,18)
Weight kg (lb)	5200 (11700)
2 x 240 l/min & 14 x 40 l/min closed center LS directional valves	
Radio control	
OPTION	Generator HG18kVA
OPTION	Water pump



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DTH hammers for HZR1200

Model	12" DTH hammer	14" DTH hammer	18" DTH hammer	24" DTH hammer
Casing out diameter mm (in)	406,4/508,0 (16,00"/20,00")	508,0/610,0 (20,00"/24,00")	610,0/711,0/813,0 (20,00"/28,00"/32,00")	815,0/914,0/1016/1220 (32,00"/36,00"/40,00"/48,00")
Rock Button diameter mm (in)	305,0-444,0 (12,00"/17,50")	357,0-610,0 (14,00"/24,00")	508,0-762,0 (20,00"- 30,00")	711,0-1016 (28,00"-40,00")
Shank type	IR112, SD 12, IR112 S	N125, N125S	N180, N180 S	N240, N240 S
Top Adaptor	API 6 5/8" Reg. Pin	API 6 5/8" Reg. Pin	API 8 5/8" Reg. Pin	BECCO 10
Air flow at 13,8 bar (m3/min)	36,3	39,7	59,1	87,0
Air flow at 17,2 bar (m3/min)	49,0	52,1	73,7	99,0
Air flow at 20,6 bar (m3/min)	60,9	65,7	88,0	120,0



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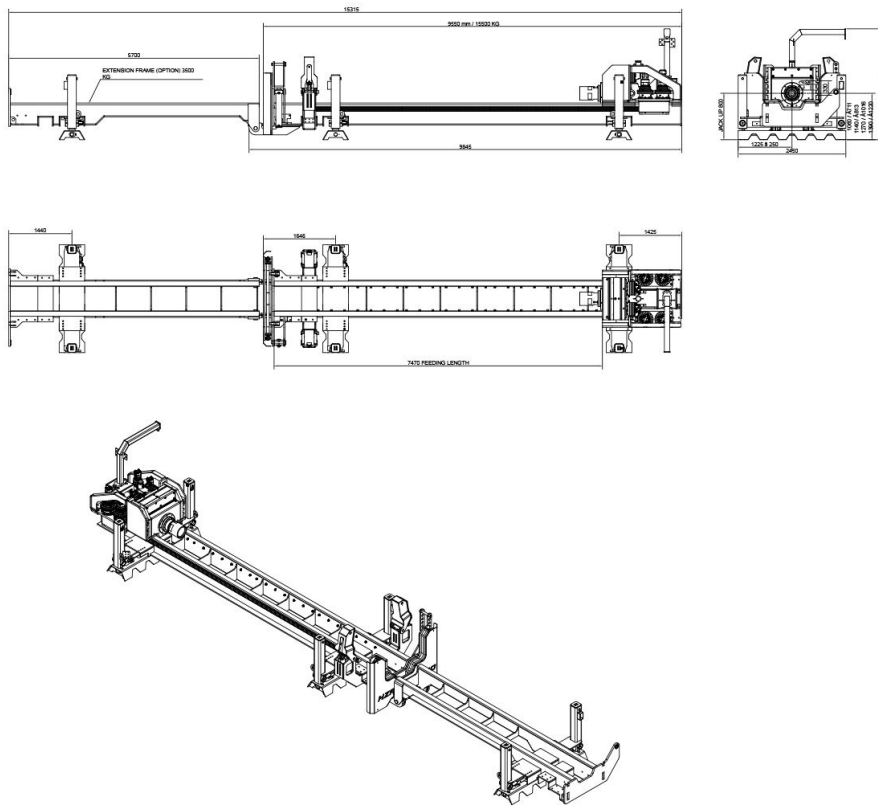
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