

MICRO GRIPPER 2200

Technical Specifications Catalog



TECHNICAL SPECIFICATIONS

Machine Type	Micro Gripper 2200	
Total Tunnel Length		
Installed Power	300	kW
Length TBM + Conveyor	40 approx	m
Weight TBM + Conveyor	45 approx.	t
Curve radius	2000	m

SHIELD

Front Shield (Diameter)	2225	mm
Front Shield (Length)	1000	mm
Centre Shield (Diameter)	2175	mm
Centre Shield (Length)	1600	mm
Tailskin (Diameter / Length)	2175 / 150	mm

CUTTING WHEEL

Bore Diameter	2265	mm
Weight (with Tools)	6 approx.	t
Disc Cutters (Center + Double + Single)	$4+8 (\times 2) + 1 = 21$	
Disc Cutter Diameter	12"	
Cutting Knives	2 * 2	
Centre Tool	0	
Buckets (Right+Left)	2 + 2	
Wear protection	Yes	

DRIVE

Bore Diameter	2265	mm
Weight (with Tools)	Approx 6	t
Disc Cutters (Center + Double + Single)	4+8 (x2) + 1 = 21	
Disc Cutter Diameter	12"	
Cutting Knives	2 * 2	
Centre Tool	Ø	
Buckets (Right+Left)	2 + 2	
Wear protection	Yes	

THRUST CYLINDER

No. of Steering Cylinder	4	Nos.
Stroke	700	mm
Steering Power Per Cylinder @ 250 Bar Push/Pull	250 / 160	kN

GRIPPER DATA

No. of Steering Cylinder	4	Nos.
Stroke	300	mm
Steering Power Per Cylinder @ 250 Bar	240 / 160	kN

HYDRAULIC

Total Power	200	kW
Total Volume (1 + 2)	1810	litres

BELT CONVEYOR

Length	40	m
Width	400	mm
Power	15	kW
Belt Speed	1	m / s
Conveyance Rate	17	ton / h

GAS MEASUREMENT

Measured Gases	No	
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FIRE PROTECTION

Fire Extinguisher	No	
Smoke and Heat Detectors	No	
Water Curtain	No	