Tunnel Saz Machine Ltd. (TSM)

Design, Consulting, Construction & Supply Equipment Address: Unit 12, NO.18, 2nd Alley, Ahmad Ghasir St., Argentina Sq., Tehran, IRAN



Hard Rock Double Shield

DSU612 FOR SALE



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Description

For sale TBM Hard Rock Double Shield

Boring Diameter 6.120 m

Manufacturer: SELI - ROBBINS

Type: Hard Rock Double Shield

Model: DSU612
Year of Manufacture: 2009
Outside Diameter (OD): 6.120 mm
Length: 195 m

Main Drive

Type of Main Drive Electric driven

Motor: 5

Installed Power: 5 x 315 =1.575 kW

Maximum Torque @ 6,12 rpm (100% system efficiency): 2.457 kNm

Maximum Torque @ 9 rpm (100% system efficiency): 1.671 kNm

Bearing: Double Tapered Roller Type

Unlocking Torque: 5.000 kNm

Cutter Head

Cutter Head Revolution: 0 - 9 RPM
Turn Direction: Right

Number of Cutting Disc 38 (17 inch – 432 mm)

Excavation Diameter 6.120 mm

Maximum Capacity Per Disc 267 kN

Thrust System

Number of Main Cylinder 10

Maximum Thrust of Main Cylinder 26.039 kN @ 345 bar

Number of Auxiliary Cylinder 10

MaximumThrust of Auxiliary Cylinder 27.746 kN @ 345 bar

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Shield

Outer Diameter of Front Shield 6.080 mm Outer Diameter of Outer Telescopic Shield 6.080 mm Outer Diameter of Inner Telescopic Shield 5.990 mm Outer Diameter of Gripper Shield 5.990 mm

Muck Transportation

Tunnel Conveyor: Included Included **Muck Conveyor:**

Type: Electric drive, variable speed, reversible

Belt Width of Muck Conveyor: 800 mm **Capacity Muck Conveyor:** 400 ton/h Length of Muck Conveyor: 88 m **Electrical Power of Muck Conveyor:** 35 KW

Electrical System

2 **Number of Transformers:**

2200 kW**Total Installed power** 20 V Primary Voltage:

More Info.

Segment Type: Hexagonal 20 min **Ring Erection Time: Boring Stroke:** 0.75 m

Maximum Advance Rates: 3.0 meters per hour

Gas Detection System: **Guidance System:** Included Compressed Air System: Included Included **Ventilation System: Industrial Water System:** Included **Dewatering System:** Included **Probe Drilling System:** Included

Included

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