

EMO-110 - B/220/9/0359P1

EMO DT - 03/09/19

Annexure: 1

Indent No: 20190359 Rev:02 Dt: 12-Aug-19

Subject: Specification of Heavy Duty Portable Magnetic Drill Machine and recommended spares

A) Specification of Heavy Duty Portable Magnetic Drill Machine

1. Machine Name: Heavy Duty Portable Magnetic Drill Machine
2. Machine Make: BDS/BOSCH/FEIN
3. Minimum Machine Motor Capacity: 1150Watt
4. Operation Voltage: 230V AC, 50-60Hz
5. Minimum Stroke: 160mm
6. Base: Magnetic Swivel base
7. Drill holder: Morse taper MT2
8. Minimum 2 Speeds range 1 & 2: 50-250 per min & 100-450 per min respectively
9. Lubrication: Permanent internal
10. Magnetic indicator: Required
11. Overhead protection Required
12. CW/CCW rotation: Required
13. Carbon brush wear Control: Required
14. Minimum Capacity of Core drill short 30mm & 55mm: 12-40mm for both.
15. Minimum Capacity of Twist drill short: $\leq \phi 18\text{mm}$
16. Minimum Capacity of reaming: $\leq \phi 18\text{mm}$
17. Minimum Countersinking: $\leq \phi 40\text{mm}$
18. Minimum Thread cutting: $\leq \text{M16}$

B) Mandatory spares along with Magnetic core drilling machine

1. 1no Quick change drill chuck system KEYLESS
2. 1set Tapping adaptor
3. 1set Ejector pins
4. 1no hard protective cage
5. 1no Safety chain
6. 1no Drill drift
7. 1no Gear rim drill chuck
8. 1no Taper drift
9. 1set Operation & Maintenance manual

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