



## MD35LB Technical Data

SPECIFICATION	VALUE
System mounting flange size	FC38 (2 3/4") with clear holes
Rear Flange	FC38 (2 3/4") with tapped holes
Drive clear bore	27mm (rear flange option)
Magnetic breakaway torque	6Nm
Magnetic coupling stiffness	0.85 Nm/degree
Bakeout temperature	250°C with motor removed
Shaft options	30mm od Tube
Shaft radial runout at shaft attachment	0.01mm
Maximum radial load	2900N
Maximum axial load	145N
Calibrated thimble with brake - resolution	1 degree
Pulley - type and PCD	HTD profile 48 teeth 5mm pitch and 76.39 PCD
Stepper motor option	23 frame 8 wires 3A / phase
Standard stepper option	UTO motor 23HT18C
Stepper motor max speed option 1, output torque & resolution per 1/2 step	500 rpm, 0.8Nm and 0.45 degrees
Stepper motor max speed option 2, output torque & resolution per 1/2 step	150 rpm, 3.7Nm and 0.09 degrees
Stepper motor max speed option 3, output torque & resolution per 1/2 step	75 rpm, 6Nm and 0.045 degrees
Stepper motor max speed option 4, output torque & resolution per 1/2 step	30 rpm, 6Nm and 0.018 degrees
DC motor option	24V dc brushed geared motor
DC motor option - motor wiring	2 pin generic plug to diagram WD-010
DC motor speed option 1 and output torque	538 rpm and 0.4Nm
DC motor speed option 2 and output torque	104 rpm and 1.7Nm
DC motor speed option 3 and output torque	28 rpm and 6Nm
DC motor speed option 4 and output torque	17 rpm and 6Nm

### For more information:

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