

Spur Gearheads

588 mNm

For combination with:
DC-Micromotors:
M3138U, MD3644

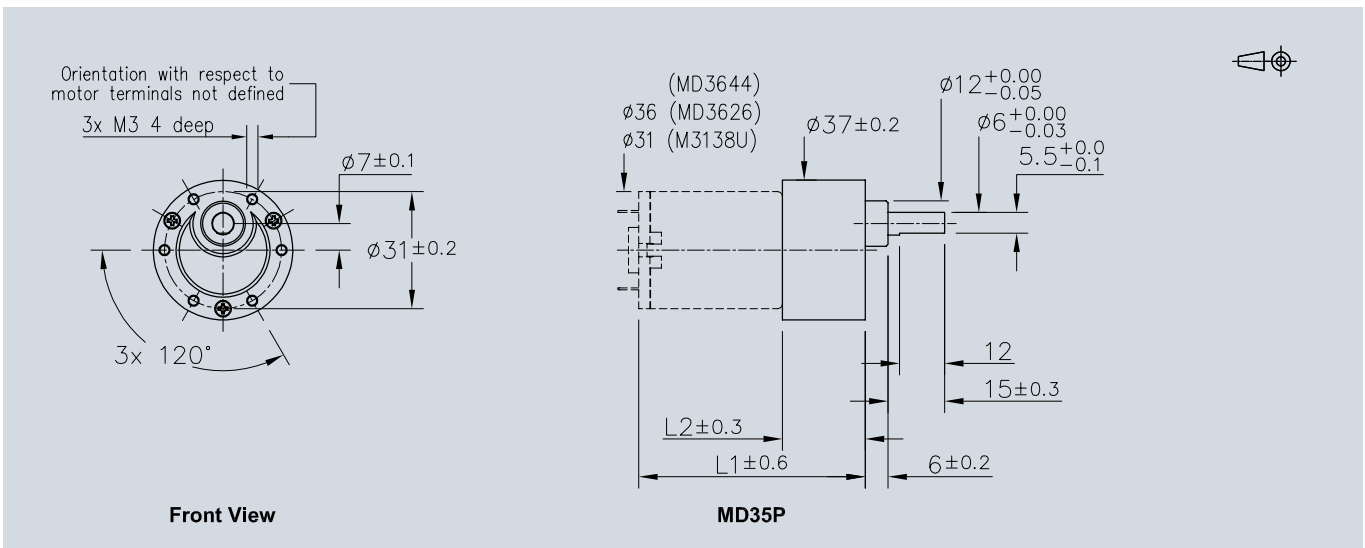
Series MD35P

	MD35P
Housing material	zinc die cast
Geartrain material	metal, plastic
Recommended max. input speed for:	
– continuous operation	5,000 rpm
Backlash, at no-load	≤ 3°
Bearings on output shaft	sintered bronze
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 25 N
– axial	≤ 20 N
Shaft press fit force, max.	≤ 90 N
Shaft play (on bearing output):	
– radial	≤ 0.1 mm
– axial	≤ 0.35 mm
Operating temperature range	– 10 to + 60 °C

Specifications

reduction ratio (nominal)	number of gear stages	weight sintered type	length without motor L2	length with motor		output torque		direction of rotation (reversible)	efficiency
				MD3138 L1	MD3644 L1	continuous operation M max. mNm	intermittent operation M max. mNm		
6:1 10:1	2	89.4 g	19.0 mm	57.0 mm	63.0 mm	98	294	CW	81
18:1 25:1	3	96.5	21.5	59.5	65.5	98	294	CCW	73
30:1	3	96.5	21.5	59.5	65.5	196	588	CCW	73
50:1 60:1	4	104.6	24.0	62.0	68.0	294	882	CW	66
75:1 90:1	4	104.6	24.0	62.0	68.0	392	1,176	CW	66
100:1	4	104.6	24.0	62.0	68.0	588	1,764	CW	66
120:1 125:1 150:1	5	110.7	26.5	64.5	70.5	588	1,764	CCW	59
180:1 200:1 250:1	5	110.7	26.5	64.5	70.5	588	1,764	CCW	59
270:1 300:1	5	110.7	26.5	64.5	70.5	588	1,764	CCW	59
400:1 500:1 540:1	6	118.8	29.0	67.0	73.0	588	1,764	CW	53
600:1 750:1 900:1	6	118.8	29.0	67.0	73.0	588	1,764	CW	53
1,000:1	6	118.8	29.0	67.0	73.0	588	1,764	CW	53
1,500:1 1,800:1 3,000:1	7	126.0	31.5	69.5	75.5	588	1,764	CCW	48

weight includes washer, pinion and screws



Series MD35P

Part number	Ratio	Description	Stocked item
MD35P 6:1	6:1	Sintered bronze bearings	X
MD35P 10:1	10:1	Sintered bronze bearings	X
MD35P 18:1	18:1	Sintered bronze bearings	X
MD35P 25:1	25:1	Sintered bronze bearings	X
MD35P 30:1	30:1	Sintered bronze bearings	X
MD35P 50:1	50:1	Sintered bronze bearings	X
MD35P 60:1	60:1	Sintered bronze bearings	X
MD35P 75:1	75:1	Sintered bronze bearings	X
MD35P 90:1	90:1	Sintered bronze bearings	X
MD35P 100:1	100:1	Sintered bronze bearings	X
MD35P 120:1	120:1	Sintered bronze bearings	X
MD35P 125:1	125:1	Sintered bronze bearings	X
MD35P 150:1	150:1	Sintered bronze bearings	X
MD35P 180:1	180:1	Sintered bronze bearings	X
MD35P 200:1	200:1	Sintered bronze bearings	X
MD35P 250:1	250:1	Sintered bronze bearings	X
MD35P 270:1	270:1	Sintered bronze bearings	X
MD35P 300:1	300:1	Sintered bronze bearings	X
MD35P 400:1	400:1	Sintered bronze bearings	X
MD35P 500:1	500:1	Sintered bronze bearings	X
MD35P 540:1	540:1	Sintered bronze bearings	X
MD35P 600:1	600:1	Sintered bronze bearings	X
MD35P 750:1	750:1	Sintered bronze bearings	X
MD35P 900:1	900:1	Sintered bronze bearings	X
MD35P 1000:1	1000:1	Sintered bronze bearings	X
MD35P 1500:1	1500:1	Sintered bronze bearings	X
MD35P 1800:1	1800:1	Sintered bronze bearings	X
MD35P 3000:1	3000:1	Sintered bronze bearings	X