

STANDARD PLANETARY GEARHEADS

MRP 155

Characteristics

No. Of Stages (Trains)		1 - Stage					2 - Stages							
Ratio ⁽¹⁾		3	4	5	7	10	16	20	25	35	40	50	70	100
INPUT														
Rated speed / Max speed	rpm	2 000 / 3 500												
Rated Power	Kw	15	16	13	8	4	4	3.5	3	2	1.5	1.5	0.8	0.4
Rated torque	Lb-in	646	673	540	336	159	177	142	115	80	62	53	35	18
	Nm	73	76	61	38	18	20	16	13	9	7	6	4	2
Accel torque ⁽²⁾	Lb-in	1230	920	735	460	292	239	195	150	106	97.4	71	44	27
	Nm	139	104	83	52	33	27	22	17	12	11	8	5	3
OUTPUT														
Rated speed	rpm	666	500	400	285	200	125	100	80	57	50	40	28	20
Rated torque	Lb-in	1859	2567	2567	2257	1505	2567	2567	2567	2390	2213	2213	2213	1505
	Nm	210	290	290	255	170	290	290	290	270	250	250	230	170
Accel torque ⁽²⁾	Lb-in	3540	3540	3540	3098	2832	3540	3540	3540	3540	3540	3540	2832	2832
	Nm	400	400	400	350	320	400	400	400	400	400	400	320	320
GENERAL DATA														
Inertia ⁽³⁾	Lb-in-s ² x10 ⁻⁴	33.6	31	31	27.4	25.7	32.7	32.7	30.1	28.3	26.6	24.8	24.8	24.8
	Kg-m ² x10 ⁻⁵	38	35	35	31	29	37	37	34	32	30	28	28	28
Max. Backlash	arc-min.	10					12							
Efficiency ⁽⁴⁾	%	96					91							
Rated Life	H	15,000												
Weight	Kg / Lb	10 / 22					15 / 33							
Radial Load ⁽⁵⁾	N / Lbf	7,500 / 1,690												
Axial Load	N / Lbf	6,000 / 1,350												

(1) Please enquire if a desired ratio is not shown.

NOTE-- Emergency Stop Torque is 2.5 times Rated Output Torque for 1000 times max during the service life of the gearhead.

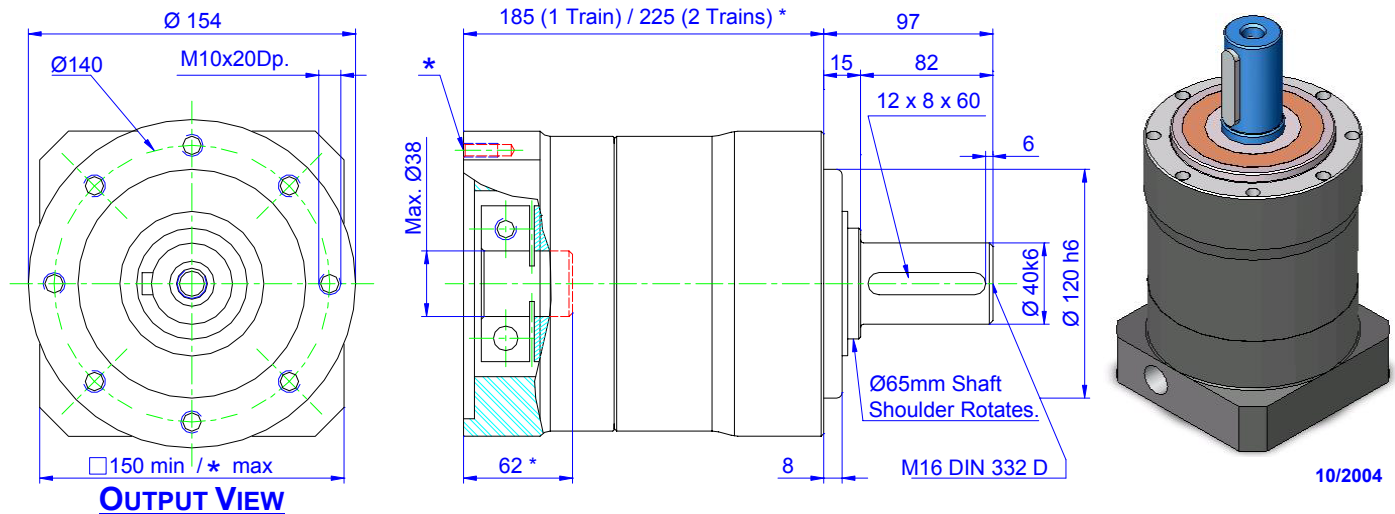
(2) S5 duty service.

(3) On the motor side.

(4) Theoretical gear efficiency value.

(5) Load applied in the middle of the output shaft at 300 rpm.

DIMENSIONS [MM]



* Depends on gear ratio and / or on the motor dimension

Specifications are subject to change without notice

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