



REM

(REM)

PLANETARY GEARBOXES



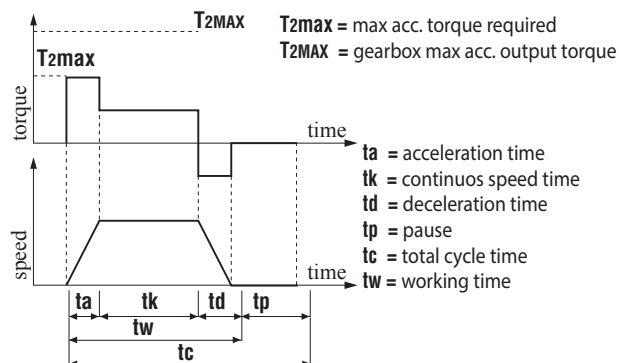
P. N. : D.S. / 23.11.18 / REM / 03

SERIES	Stage	I Reduction Ratios (PREFERRED)	J1 Input Shaft Inertia (Kg·m ² ·10 ⁻⁴)	T _{2 N} ¹⁾ Rated Out Torque (Nm)	T _{2 MAX} ²⁾ Acceleration Torque (Nm)	T _{2pk} ³⁾ (Nm)	MAX Input Speed (Rpm)	F _{2 R} ⁴⁾ (N)	F _{2 A} ⁵⁾ (N)	BKLASH OUTput Shaft (Arcmin)
REM 55	1	3/4/5/7/10	0.05	16	24	48	5000	300	450	8'
	2	9/12/15/16/20/25/28/35/40/50/70/100	0.07	14	25	51				10'
REM 70	1	3/4/5/7/10	0.13	32	50	100	5000	1800	1400	8'
	2	9/12/15/16/20/25/28/35/40/50/70/100	0.14	35	55	110				10'
REM 90	1	3/4/5/7/10	0.35	53	85	175	5000	2600	2000	8'
	2	9/12/15	0.55	70	110	220				10'
		16/20/25/28/35/40/50/70/100	0.3	70	115	230				
REM 115	1	3	2.22	120	190	400	4000	4500	4000	8'
		4/5	1.19	170	270	550				
		7/10	0.76	130	205	430				
	2	9/12/15	2.13	180	290	600				10'
		16/20/25/28/35/40	0.9	220	350	700				
		50/70/100	0.68	170	370	540				
REM 140	1	3	8.21	240	420	880	4000	5300	2650	8'
		4	5.68	320	540	1140				
		5	4.80	380	600	1260				
		7/10	3.91	270	460	910				
	2	9	8.07	320	480	1000				10'
		12/15	7.74	460	690	1380				
		16/20/25/28/35	4.5	500	750	1500				
		40/50/70	3.68	480	750	1420				
		100	3.67	250	460	920				

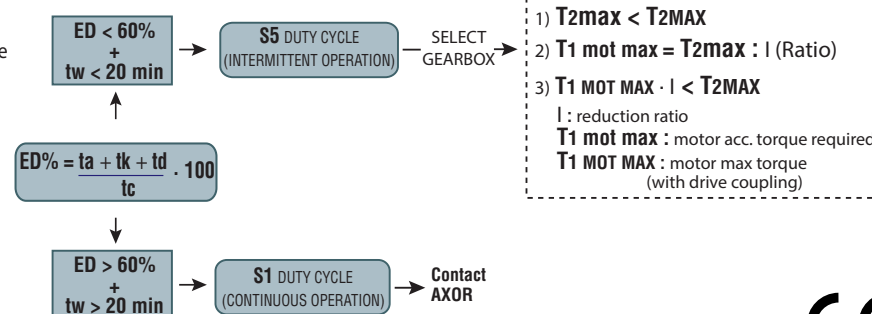
STANDARD FEATURES

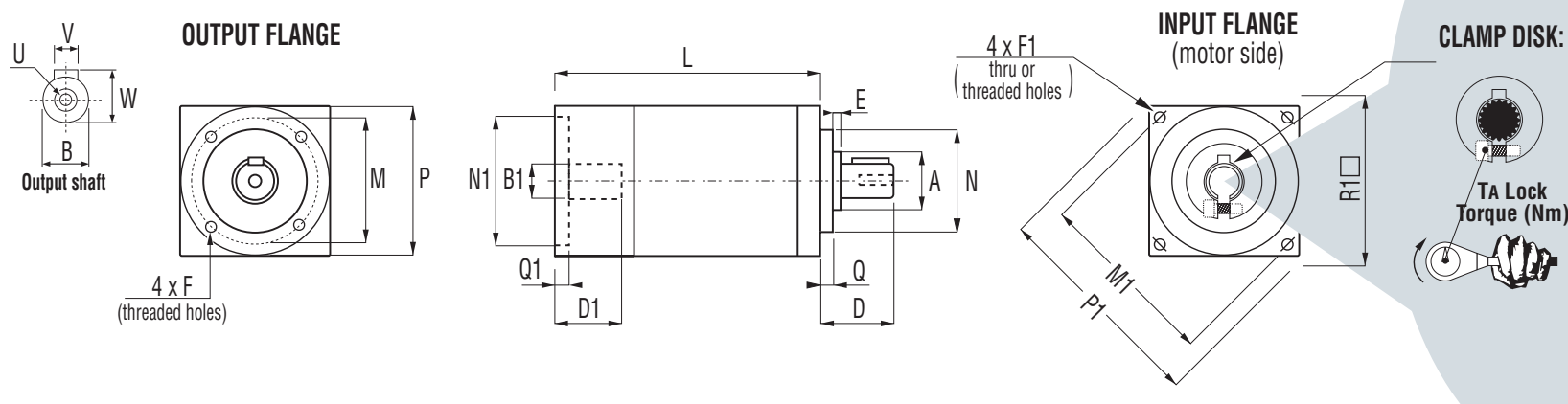
- ♦ Average bearings lifetime 20'000h Noise level < 70 dB
- ♦ Protection rating IP65 Lifetime lubrication

DUTY CYCLE DETERMINATION (ED)



GEARBOX SELECTION





LOCK TORQUE	
SIZE	TA (Nm)
REM 55	4.8
REM 70	4.8
REM 90	4.8
REM 115	9.4
REM 140	16.2

IMPORTANT:

Fit the motor in the gear w/out force avoiding impacts (hammer is forbidden). Lock the shrink or clamp disk screws as shown.

		OUTPUT FLANGE												INPUT FLANGE									
REFERENCES		L	Pø	Bк6	D	Q	V	W	U	E	Nн7	M	F	B1H7	D1	Q1	N1H7	M1	F1	R1	P1	WT	
SERIES	STAGE	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
REM 55	1	73.5	55	12	23.5	4.5	4x4x14	13.5	M4x10	1	32	40	M5x10	9	30	3.5	40	63	5.5	60	80	0.8	
	2	92.5																				1.8	
REM 70	1	92	72	14	34.5	4	5x5x25	16	M5x12	2.5	40	52	M5x10	11	26.5	3.5	60	75	6.5	70	90	1.4	
	2	114.5																				2.0	
REM 90	1	114	90	19	43	4.5	6x6x30	21.5	M6x16	2.5	50	65	M6x12	14	45	4	80	100	6.5	90	120	2.8	
	2	143																				3.7	
REM 115	1	133.8	115	25	57	5	8x7x45	28	M10x22	2	70	85	M8x16	19	43	4.5	95	115	9	115	140	7.5	
	2	166.4																				8	
REM 140	1	171	140	32	70	8	10x8x50	35	M12x28	7	80	110	M12x20	24	57.8	4.5	130	165	11	142	190	10.9	
	2	212.5																				15.7	

REM 115 - 1-7-8 - 000 D 00 X - 000 C 00 X - OR - NC

NAME:
Planetary
Gearboxes

SERIES: 55, 70, 90, 115, 140

STAGE: 1, 2 Ex: 1= one stage

REDUCTION RATIO: Ex: 7=1:7
(see table on reverse)

TORSIONAL BACKLASH:

8 = 8 arc/min (std for 1 stage REM)
10 = 10 arc/min (std for 2 stage REM)

INPUT FLANGE & SHAFT

MOUNTING FLANGE:
000 = standard (see above)
001-499 = IEC metric dimension
501-999 = Axor's internal code

MOUNTING HOLES:
D = B5 flange with thru holes (standard)
C = B14 flange with threaded holes (optional)

SHAFT KEY:

x = with key (standard)
w = without key (optional)

SHAFT DIAMETER:

00 = standard (see above)
01 - 49 = IEC metric diameter
51 - 99 = Axor's internal code

SPECIAL FLANGES & SHAFT	B1	D1	Q1	N1	M1	F1	R1	P1
000D14X (for REM 70)	14	35.5	3.5	60	75	6.5	70	100
065D09X (for REM 90)	9	44	3.5	50	65	5.5	-	ø80
115D19X (for REM 90)	19	45	4.5	95	115	8.5	100	115
100D14X (for REM 115)	14	35	4	80	100	6.5	-	ø120
165D24X (for REM 115)	24	50	4.5	130	165	11	142	190
115D19X (for REM 140)	19	42.8	4	95	115	8.5	-	ø140
145D19X (for REM 140)	19	42.8	7	110	145	8	-	ø140

OUTPUT FLANGE & SHAFT

MOUNTING FLANGE:
000 = standard (see above)
001-499 = IEC metric dimension
501-999 = Axor's internal code

MOUNTING HOLES:
D = B5 flange with thru holes (standard)
C = B14 flange with threaded holes (optional)

SHAFT KEY:

x = with key (standard)
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SHAFT DIAMETER:

00 = standard (see above)
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SPECIAL FLANGES & SHAFT	B	D	Q	V	Q	U	E	N	M	F	P
80L22x (for REM90)	22	46	7.5	6x6x30	24	M8x16	2.5	68	80	M6x12	90

MOUNTING POSITION:
OR = horizontal
VU = vertical under
VO = vertical over

COUPLING:

NC = not coupled (std)
AC = coupled "A" (opt)