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Find the *Wittenstein / Alpha LP 155-M01-10* at our website: *Click HERE*

LP+ 155 MF 1/2-stage

WITTENSTEIN alpha

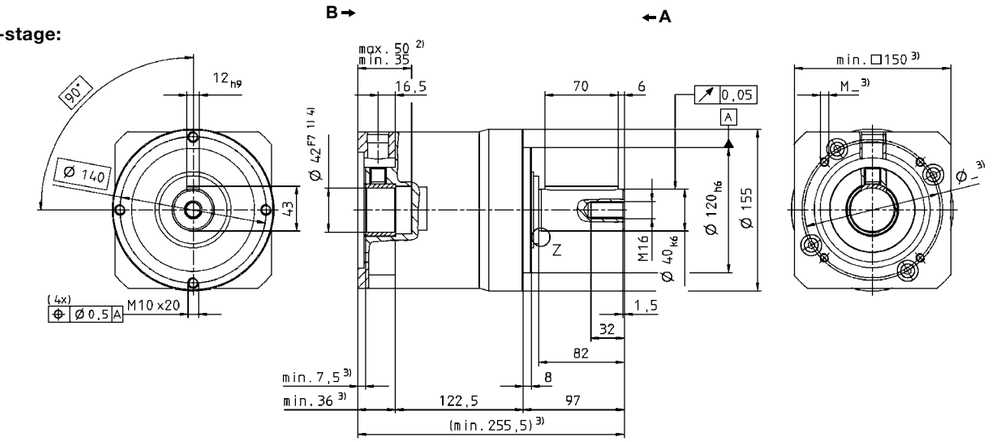
			1-stage		2-stage		
Ratio	***i***		**5**	**10**	**25**	**50**	**100**
Max. acceleration torque (max. 1000 cycles per hour)	T_{2B}	Nm	500	400	500	500	400
		in.lb	4430	3540	4430	4430	3540
Nominal output torque (with n_{1N})	T_{2N}	Nm	350	200	350	350	200
		in.lb	3100	1770	3100	3100	1770
Emergency stop torque (permitted 1000 times during the service life of the gearhead)	T_{2Not}	Nm	1000	1000	1000	1000	1000
		in.lb	8850	8850	8850	8850	8850
Nominal input speed (with T_{2N} and 20°C ambient temperature) [a]	n_{1N}	rpm	2000	2000	2000	2000	2000
Max. input speed	n_{1Max}	rpm	3600	3600	3600	3600	3600
Mean no load running torque (with n_1=3000 rpm and 20°C gearhead temperature)	T_{012}	Nm	2.8	2.5	1.0	0.8	0.7
		in.lb	25	22	8.9	7.1	6.2
Max. torsional backlash	j_t	arcmin	≤ 8		≤ 10		
Torsional rigidity	C_{t21}	Nm/ arcmin	55	44	55	55	44
		in.lb/ arcmin	490	390	490	490	390
Max. axial force [b]	F_{2AMax}	N	6000		6000		
		lb_f	1350		1350		
Max. radial force [b]	F_{2RMax}	N	7500		7500		
		lb_f	1690		1690		
Efficiency at full load	η	%	97		95		
Service life (For calculation, see the Chapter "Information")	L_h	h	> 20000		> 20000		
Weight incl. standard adapter plate	m	kg	17		21		
		lb_m	38		46		
Operating noise (with n_1=3000 rpm no load)	L_{PA}	dB(A)	≤69				
Max. permitted housing temperature		°C	+90				
		F	194				
Ambient temperature		°C	-15 to +40				
		F	5 to 104				
Lubrication			Lubricated for life				
Paint			Blue RAL 5002				
Direction of rotation			Motor and gearhead same direction				
Protection class			IP 64				
Moment of inertia (relates to the drive) Clamping hub diameter (mm) L 42	J_1	kgcm²	17	16	–	–	–
		10^{-3} in.lb.s²	15	14	–	–	–
I 32	J_1	kgcm²	–	–	5.4	5.0	5.0
		10^{-3} in.lb.s²	–	–	4.8	4.4	4.4
K 38	J_1	kgcm²	–	–	6.3	5.9	5.9
		10^{-3} in.lb.s²	–	–	5.5	5.2	5.2

[a] For higher ambient temperatures, please reduce input speed
[b] Refers to center of the output shaft, if n_2 = 100 rpm

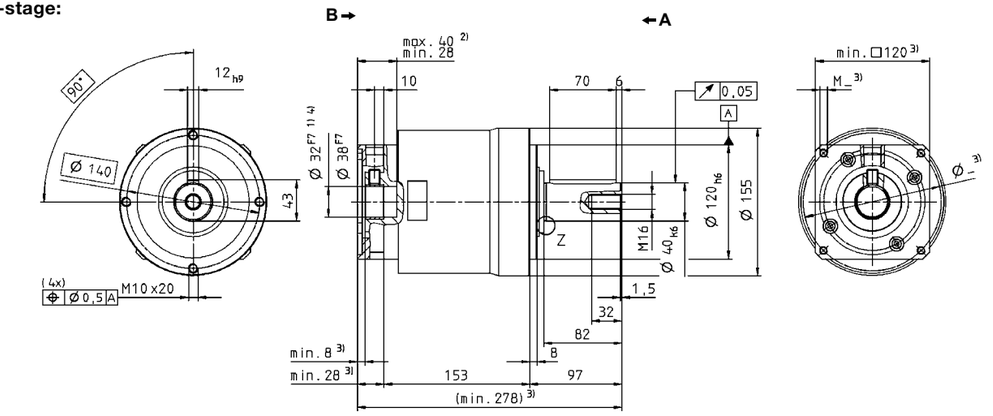
View A

View B

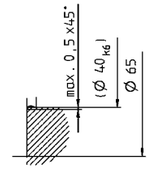
LP+ 1-stage:



LP+ 2-stage:



Z:



Non-tolerated dimensions ±1mm
1) Check motor shaft fit.
2) Min./Max. permissible motor shaft length. Longer motor shafts are adaptable, please contact us.
3) The dimensions depend on the motor.
4) Smaller motor shaft diameter is compensated by a bushing. LP+ 2-stage: Motor shaft diameters up to 38mm available – please contact WITTENSTEIN alpha

⚠ Motor mounting according to operating manual

Planetengetriebe Economy
LP+ Generation 3

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LP+ 155 MF 1/2-stage

WITTENSTEIN alpha

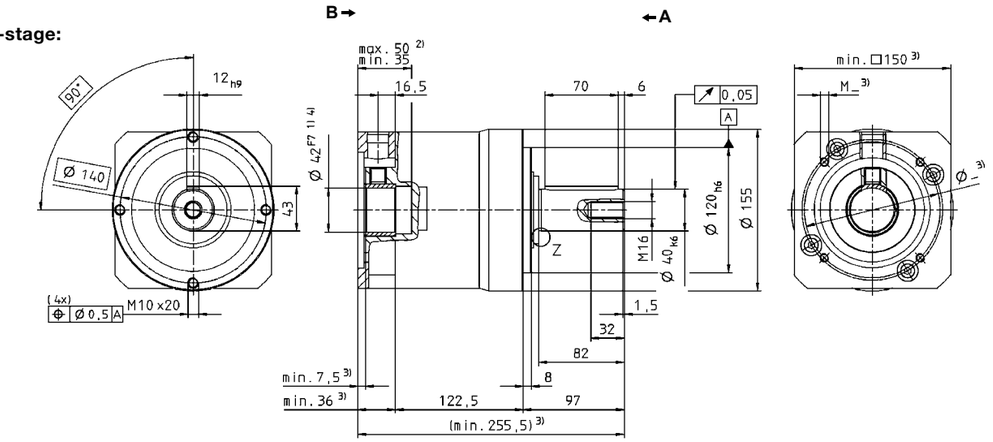
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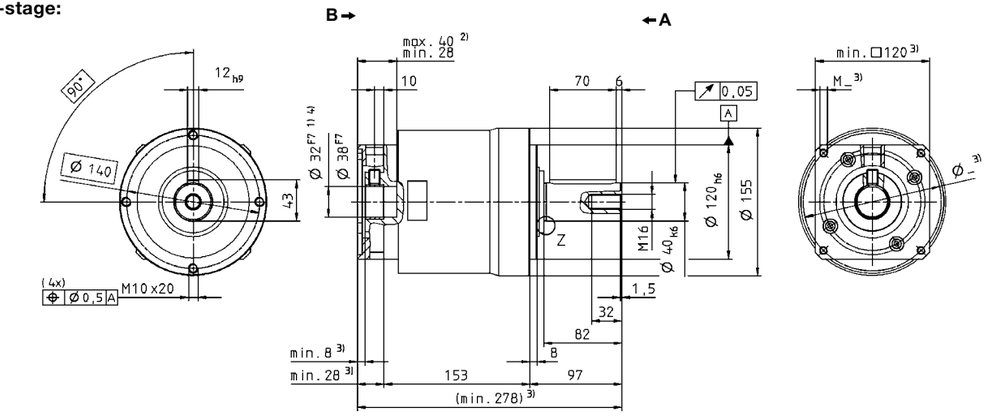
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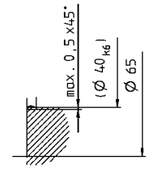
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