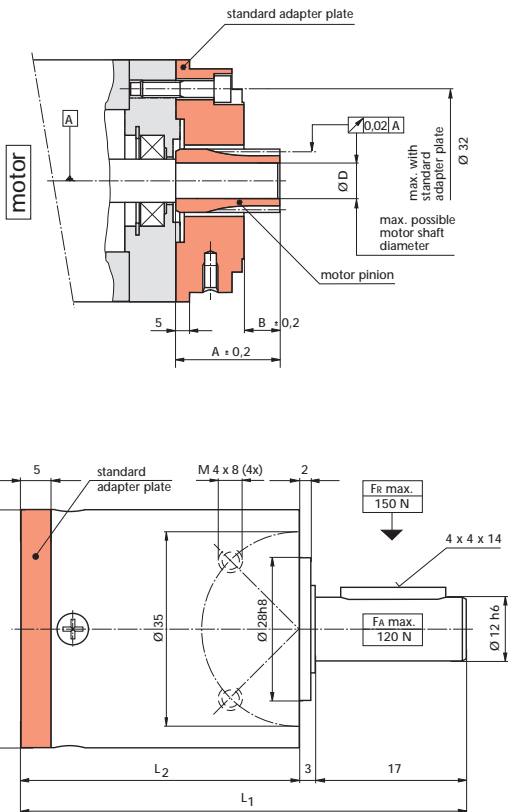



GYSIN Planetary Gearbox GPL 42K

Rated torque in Nm (S1)	Type Standard
Rated torque in Nm (S1)	Type R Reduced
EMERGENCY STOP torque in Nm	
Rated torque in Nm (S5)	Type S Low backlash
Rated torque in Nm (S5)	Type V Heavy duty
EMERGENCY STOP torque in Nm	



1-stage		2-stage		3-stage	
Ratio (i)	Motor shaft Ø D ≤	Ratio (i)	Motor shaft Ø D ≤	Ratio (i)	Motor shaft Ø D ≤
*2	8	*10	5	49	8
3,5	8	12,25	8	56	8
4	8	14	8	64	8
5	6	16	8	70	8
6	4	20	8	80	8
7,67	3	24	8	100	8
		25	6	120	8
		30	6	144	8
		30,67	8	184	8
		38,33	6	235,11	8
		46	4	293,89	6
		58,78	3	352,67	4
				450,63	3

* Type Standard only



Technical and performance data:

Gearbox weight	kg	0,315	0,400	0,485
Dimension L1	mm	63,5	76	88,5
Dimension L2	mm	43,5	56	68,5
Dimension A	mm	20,5	20,5	20,5
Dimension B	mm	7,5	7,5	7,5
Efficiency at full load	%	96	90	85
Average mass inertia at drive	kgcm ²	0,030	0,024	0,024
No-load backlash Type Standard	arcmin ≤	20	35	50
No-load backlash Type V Heavy duty	arcmin ≤	20	35	-
No-load backlash Type R Reduced	arcmin ≤	10	20	30
No-load backlash Type S Low backlash	arcmin ≤	6	10	15
Torsional stiffness	Nm/arcmin	0,4	0,42	0,4
Rated speed at drive	min ⁻¹ ≤	5'000		
Max. rated speed at drive	min ⁻¹ ≤	8'000		
Temperature range	C	-30° / +90°		
Protection class	IP	54		
Service life	h	~10'000		