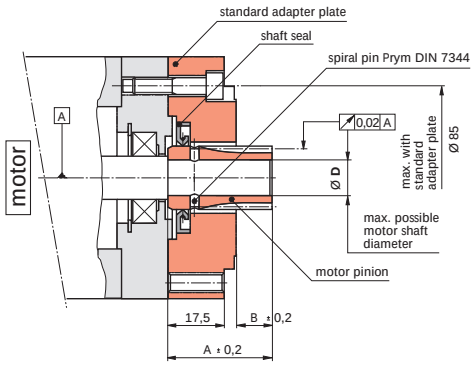
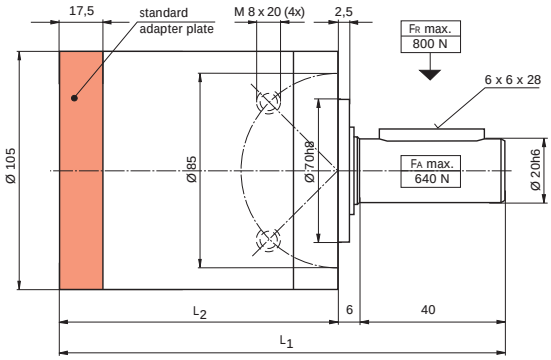
GYSIN Planetary Gearbox GPL 105

		1-stage	2-stage	3-stage
Rated torque in Nm (S1)	Type Standard	12	60	150
Rated torque in Nm (S1)	Type **R** Reduced	12	60	150
EMERGENCY STOP torque in Nm		25	120	300
Rated torque in Nm (S5)	Type **S** Low backlash	25	120	150
Rated torque in Nm (S5)	Type **V** Heavy duty	25	120	-
EMERGENCY STOP torque in Nm		50	150	300





1-stage Ratio (i)	1-stage Motor shaft Ø D ≤	2-stage Ratio (i)	2-stage Motor shaft Ø D ≤	3-stage Ratio (i)	3-stage Motor shaft Ø D ≤
*2	16	*10	12	49	16
3,5	19	12,25	19	56	16
4	16	14	16	64	16
5	12	16	16	70	16
6	8	20	16	80	16
7,67	6	24	16	100	16
		25	12	120	16
		30	12	144	16
		30,67	16	184	16
		38,33	12	235,11	16
		46	8	293,89	12
		58,78	6	352,67	8
				450,63	6

*** Type Standard only**

Technical and performance data:

		1-stage	2-stage	3-stage
Gearbox weight	kg	3,250	4,750	6,250
Dimension L1	mm	125,5	152,5	179,5
Dimension L2	mm	79,5	106,5	133,5
Dimension A	mm	40	37,5	37,5
Dimension B	mm	18,5	16	16
Efficiency at full load	%	96	90	85
Average mass inertia at drive	$kgcm^2$	1	0,850	0,800
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	7,5	9	8
Rated speed at drive	min^{-1} ≤	3’000		
Max. rated speed at drive	min^{-1} ≤	5’000		
Temperature range	C	-30° / +90°		
Protection class	IP	54		
Service life	h	~10’000		

Stock programme • Standard programme • Special programme (on request)