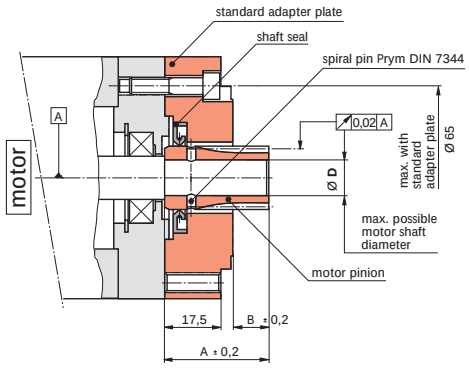
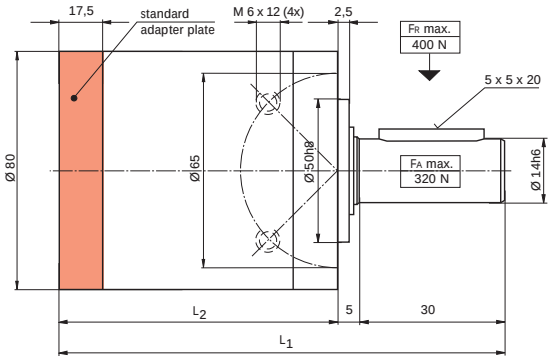
GYSIN Planetary Gearbox GPL 80

		1-stage	2-stage	3-stage
Rated torque in Nm (S1)	Type Standard	3	15	38
Rated torque in Nm (S1)	Type **R** Reduced	3	15	38
EMERGENCY STOP torque in Nm		6	30	75
Rated torque in Nm (S5)	Type **S** Low backlash	6	30	38
Rated torque in Nm (S5)	Type **V** Heavy duty	6	30	-
EMERGENCY STOP torque in Nm		12	38	75





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	12	*10	9	49	12
3,5	14	12,25	14	56	12
4	12	14	12	64	12
5	9	16	12	70	12
6	6	20	12	80	12
7,67	5	24	12	100	12
		25	9	120	12
		30	9	144	12
		30,67	12	184	12
		38,33	9	235,11	12
		46	6	293,89	9
		58,78	5	352,67	6
				450,63	5

*** Type Standard only**

Technical and performance data:

		1-stage	2-stage	3-stage
Gearbox weight	kg	1,500	2,100	2,750
Dimension L1	mm	96,5	114,5	132,5
Dimension L2	mm	61,5	79,5	97,5
Dimension A	mm	34	32	32
Dimension B	mm	13	11	11
Efficiency at full load	%	96	90	85
Average mass inertia at drive	$kgcm^2$	0,120	0,080	0,075
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	1,5	1,5	1,4
Rated speed at drive	min^{-1} ≤	4’000		
Max. rated speed at drive	min^{-1} ≤	6’000		
Temperature range	C	-30° / +90°		
Protection class	IP	54		
Service life	h	~10’000		

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