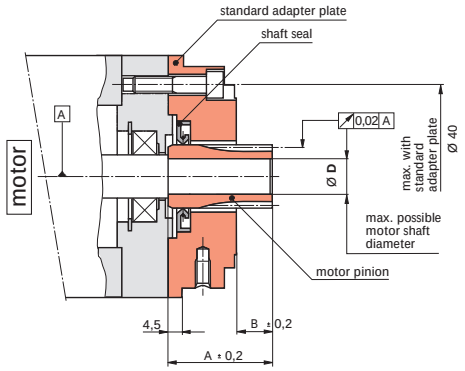
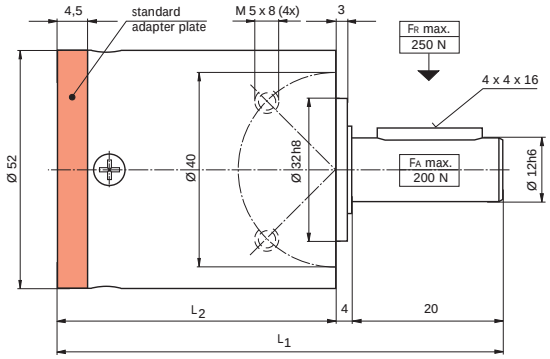
GYSIN Planetary Gearbox GPL 52

		1-stage	2-stage	3-stage
Rated torque in Nm (S1)	Type Standard	1,5	10	30
Rated torque in Nm (S1)	Type **R** Reduced	1,5	10	30
EMERGENCY STOP torque in Nm		3	20	60
Rated torque in Nm (S5)	Type **S** Low backlash	3	20	30
Rated torque in Nm (S5)	Type **V** Heavy duty	3	20	-
EMERGENCY STOP torque in Nm		6	30	60





		Ratio (i)	Motor shaft Ø D	Ratio (i)	Motor shaft Ø D	Ratio (i)	Motor shaft Ø D
		*2	10	*9	9	64	10
		4	10	12,08	10	72	10
		4,5	9	16	10	81	10
		5,2	7	18	10	100	10
		6,25	6	20,8	10	130	10
		8	4	25	10	144	10
				29	10	175,78	9
				32	10	200	10
				36	9	225	9
				41,6	7	256	10
				50	6	288	9
				64	4	332,8	7
						400	6
						512	4

*** Type Standard only**

Technical and performance data:

		1-stage	2-stage	3-stage
Gearbox weight	kg	0,475	0,600	0,725
Dimension L1	mm	69,5	84	98,5
Dimension L2	mm	45,5	60	74,5
Dimension A	mm	23,5	23,5	23,5
Dimension B	mm	8,5	8,5	8,5
Efficiency at full load	%	96	90	85
Average mass inertia at drive	$kgcm^2$	0,060	0,055	0,050
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	1,2	1,3	1,35
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		

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