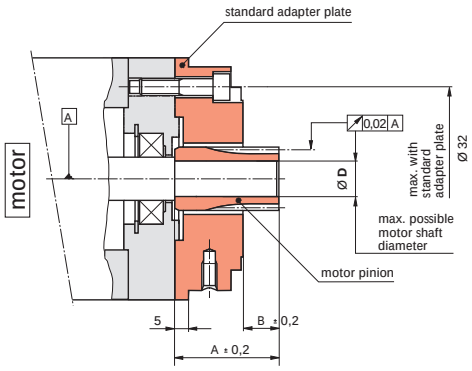
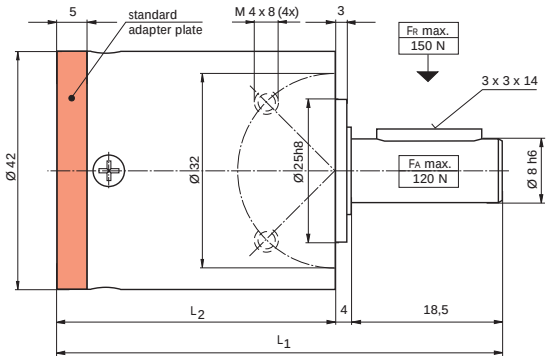
GYSIN Planetary Gearbox GPL 42

		1-stage	2-stage	3-stage
Rated torque in Nm (S1)	Type Standard	0,7	4	12
Rated torque in Nm (S1)	Type **R** Reduced	0,7	4	12
EMERGENCY STOP torque in Nm		1,4	8	24
Rated torque in Nm (S5)	Type **S** Low backlash	1,4	8	12
Rated torque in Nm (S5)	Type **V** Heavy duty	1,4	8	-
EMERGENCY STOP torque in Nm		3	12	24





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	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:

		1-stage	2-stage	3-stage
Gearbox weight	kg	0,275	0,350	0,425
Dimension L1	mm	62,5	75	87,5
Dimension L2	mm	40	52,5	65
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		

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