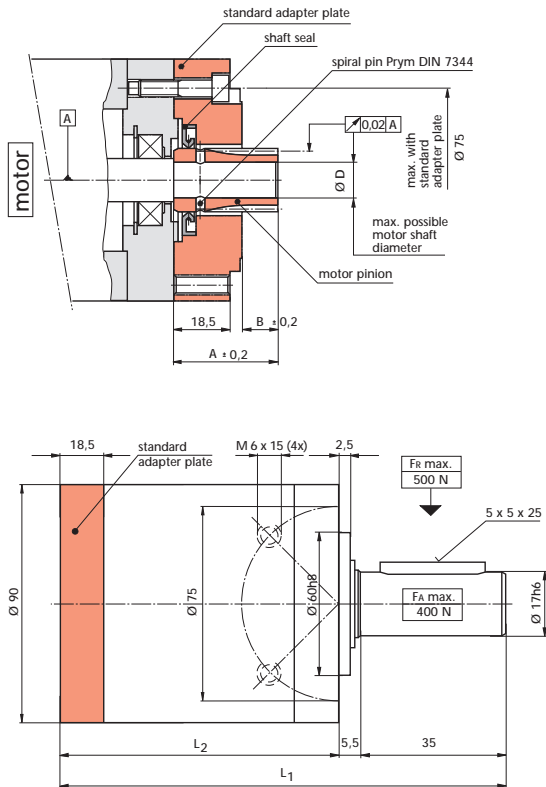


GYSIN Planetary Gearbox GPL 90

Rated torque in Nm (S1)	Type Standard	6	30	75
Rated torque in Nm (S1)	Type R Reduced	6	30	75
EMERGENCY STOP torque in Nm		12	60	150
Rated torque in Nm (S5)	Type S Low backlash	12	60	75
Rated torque in Nm (S5)	Type V Heavy duty	12	60	-
EMERGENCY STOP torque in Nm		24	75	150



Technical and performance data:

Gearbox weight	kg	2,250	3,250	4,250
Dimension L1	mm	116	138,5	161
Dimension L2	mm	75,5	98	120,5
Dimension A	mm	38	35	35
Dimension B	mm	16	13	13
Efficiency at full load	%	96	90	85
Average mass inertia at drive	kgcm ²	0,650	0,550	0,450
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	4,5	5,2	5

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		

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

* Type Standard only