

UGO/UGP

UGO/UGP (STG60/61)

Dimensions (mm)	65 x 65/68 x 68
Height (mm)	29.8–38
Max. torque (cNm)	600
Ratios	6 1/4 ... 3750
Internal slipping clutch	none
Standard shaft (mm)	∅ 8 x 22
Weight (g)	230–330
Motor combination	series UF and UP



UGO (STG 60)



UGP (STG 61)

Standard Data

Mounting	any position
Max. input speed*	3000 min ⁻¹
Max. output torque*	600 cNm
Max. input -and output power	please refer to table in Technical Data
Average back lash	unloaded 1.5 degree 2–4 stages with 6 Nm 3 degree 5–6 stages with 6 Nm 4 degree
Max. axial force F _A	30 N
Max. lateral force F _R , 12 mm from lange	80 N
Max. axial play	0.3 mm
Max. radial play	20 μm
Ambient temperature operation	–15...+60°C
Ambient temperature storage	–40 ... +100 °C

Ratio	6 1/4	12 1/2	18 3/4	25	31 1/4	37 1/2	46 7/8	50	62 1/2	75
	93 3/4	125	150	187 1/2	250	375	750	1500	2000	3750

* Depends on ratio, see next page

Order Reference

Type	Gearbox		STG60 UGO	6 1/4	M	N
Ratio	6 1/4					
Mounting layouts (fixing)	K	UGO				
	M	UGP	trough holes			
	R	M4	threads on gearbox flange side			
	T	M4	threads on motor side			
	V	M4	threads on both sides			
	shaft end N ∅ 8 x 25, other upon request					
optional	motor pinion: see next pages		Motor Pinion Data for adaptor plate			
	adaptor plate: see next pages					

Technical Data

Ratio	Stages *	Efficiency	Pinion type	Weight	Max. torque (Nm)	Max. input speed (rpm)
6 1/4	2	0.77	1	190	1.0	750
12 1/2	3	0.68	2	220	1.8	1500
18 3/4	3	0.68	3	220	2.7	2250
25	3	0.68	3	220	3.6	3000
31 1/4	3	0.68	4	220	4.5	3000
37 1/2	3	0.68	4	220	5.4	3000
46 7/8	4	0.60	3	250	6	3000
50	4	0.60	2	250	6	3000
62 1/2	4	0.60	2	250	6	3000
75	4	0.60	3	250	6	3000
93 3/4	4	0.60	3	250	6	3000
125	4	0.60	2	250	6	3000
150	4	0.60	3	250	6	3000
187 1/2	4	0.60	4	250	6	3000
250	5	0.53	2	280	6	3000
375	5	0.53	3	280	6	3000
750	5	0.53	4	280	6	3000
1500	6	0.46	4	310	6	3000
2000	6	0.46	4	310	6	3000
3750	6	0.46	4	310	6	3000

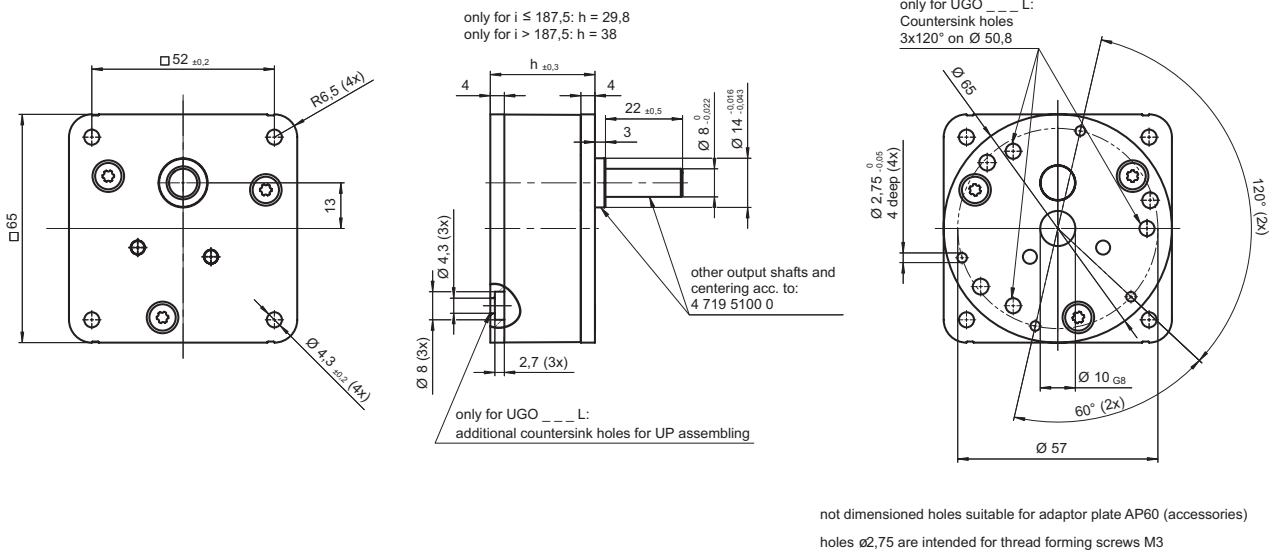
Additionally to the input speed limit: max. 120 rpm output speed

Technical Data valid for an ambient temperature operation: -15...+60°C

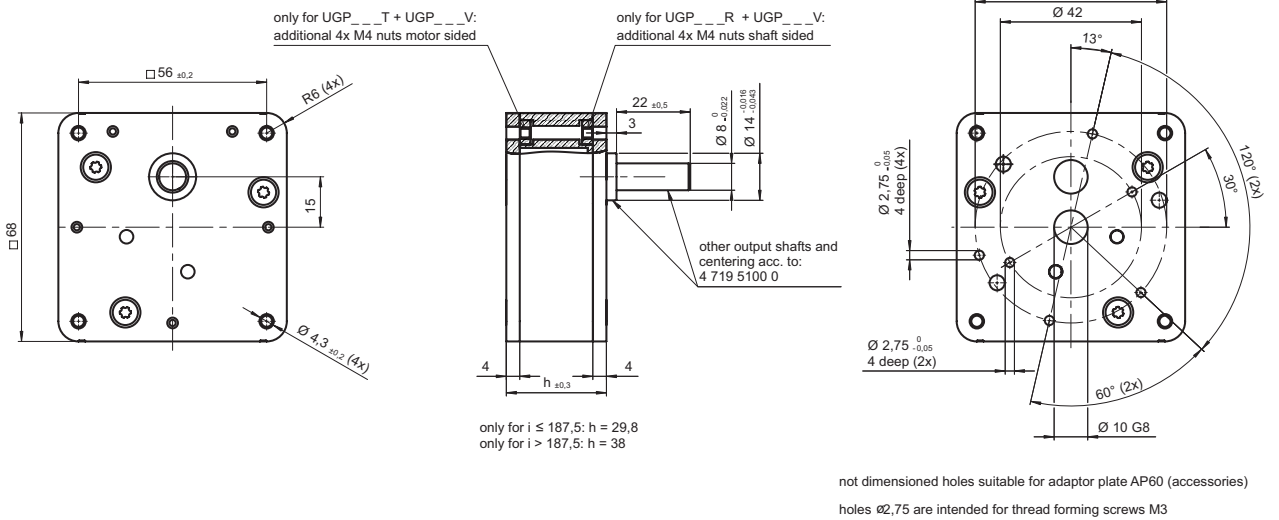
* Direction of rotation of output- and motor-shaft at
 2.4 and 6 stages - same
 3 and 5 stages - opposite

UGO/UGP

Dimensions UGO



UGP

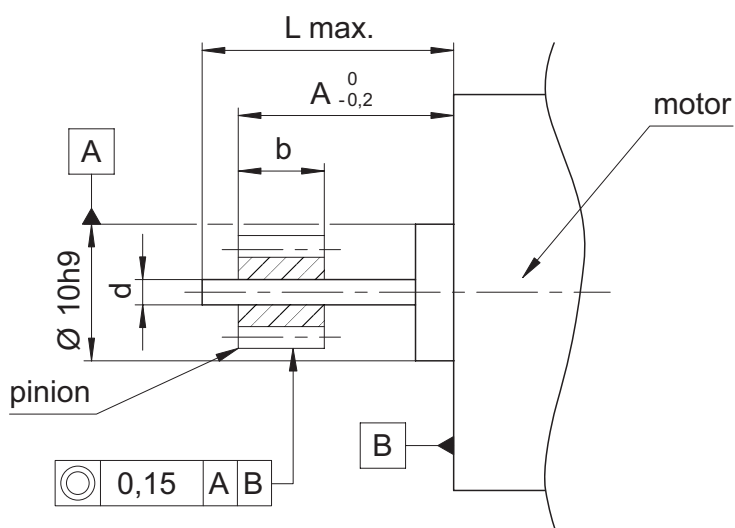


Other shafts on request

Motor Pinion Data UGO/P (STG 60/61)

pinion type	pinion length b	motor pinion with hole d: 022 100 004 ...			
		Ø2.5S7	Ø3S7	Ø4X7	Ø5S7
1	6	-	020	030	040
2	4.5	-	080	090	110
3	4.5	270	280	290	310
4	4.5	580	590	600	610

Dimensions for motor assembly



Pinion position	Dimension	A	L
2 gear stages		8,9 ^{-0,2}	9,6 ^{-0,7}
3-6 gear stages		7,6 ^{-0,2}	7,6 ^{-0,2}