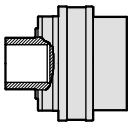
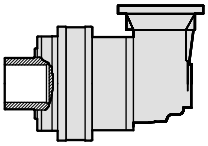
Size 200 - 572000 Nm

ST-200 Technical data



Stages	Ratio	$T_{2N(1.2M)}$ (1)	$T_{2N(6M)}$ (1)	T_{2Peak} (2)	n_{1N} (3)	n_{1Max} (4)	P_t (5)	η
	i	(Nm)	(Nm)	(Nm)	(rpm)	(rpm)	(kW)	(%)
1	3.84	572300	450000	743990	50	100	160	98
2	15.0	572300	450000	743990	100	200	110	96
3	59.3	572300	450000	743990	800	1200	93	94
	76.0	572300	450000	743990	800	1200	93	94
4	210.9	572300	450000	743990	1200	2000	70	92
	270.3	572300	450000	743990	1200	2000	70	92
	325.7	572300	450000	743990	1200	2000	70	92
	425.7	572300	450000	743990	1200	2000	70	92
	513.1	572300	450000	743990	1200	2000	70	92
5	796.6	572300	450000	743990	1500	2800	49	90
	869.8	572300	450000	743990	1500	2800	49	90
	960.0	572300	450000	743990	1500	2800	49	90
	1021.0	572300	450000	743990	1500	2800	49	90
	1114.8	572300	450000	743990	1500	2800	49	90
	1254.7	572300	450000	743990	1500	2800	49	90
	1370.0	572300	450000	743990	1500	2800	49	90
	1608.0	572300	450000	743990	1500	2800	49	90
	1755.8	572300	450000	743990	1500	2800	49	90
	1842.4	572300	450000	743990	1500	2800	49	90
	1938.3	572300	450000	743990	1500	2800	49	90
	2116.4	572300	450000	743990	1500	2800	49	90
	2361.4	572300	450000	743990	1500	2800	49	90
	2407.9	572300	450000	743990	1500	2800	49	90
	2554.0	572300	450000	743990	1500	2800	49	90
	3078.4	572300	450000	743990	1500	2800	49	90
	3719.8	572300	450000	743990	1500	2800	49	90

SX-200 Technical data



Stages	Ratio	$T_{2N(1.2M)}$ (1)	$T_{2N(6M)}$ (1)	T_{2Peak} (2)	n_{1N} (3)	n_{1Max} (4)	P_t (5)	η
	i	(Nm)	(Nm)	(Nm)	(rpm)	(rpm)	(kW)	(%)
5	586.2	572300	450000	743990	1500	2800	57	90
	751.3	572300	450000	743990	1500	2800	57	90
	923.3	572300	450000	743990	1500	2800	57	90
	1089.0	572300	450000	743990	1500	2800	57	90
	1183.3	572300	450000	743990	1500	2800	57	90
	1395.6	572300	450000	743990	1500	2800	57	90
	1426.3	572300	450000	743990	1500	2800	57	90
	1824.0	572300	450000	743990	1500	2800	57	90
	2198.5	572300	450000	743990	1500	2800	57	90
6	1832.2	572300	450000	743990	1500	2800	50	88
	2348.2	572300	450000	743990	1500	2800	50	88
	2830.0	572300	450000	743990	1500	2800	50	88
	3698.5	572300	450000	743990	1500	2800	50	88
	4232.7	572300	450000	743990	1500	2800	50	88
	4458.0	572300	450000	743990	1500	2800	50	88
	5531.7	572300	450000	743990	1500	2800	50	88
	6667.6	572300	450000	743990	1500	2800	50	88

(1) T_{2N} values are calculated at $n_1=n_{1n}$, continuous duty cycle, uniform operation and KA=1 according to ISO 6336. $T_{2N(1.2M)}$ has been calculated for 1200000 of revolutions at the output shaft, and $T_{2N(6M)}$ has been calculated for 6000000 of revolutions at the output shaft. The application factor f_s must be considered for each duty cycle and machine type.

(2) T_{2Peak} is the maximum output torque the gearbox can tolerate during startups, inversions or other peaks. This value should never be used for continuous operation or for intermittent operation with frequent accelerations.

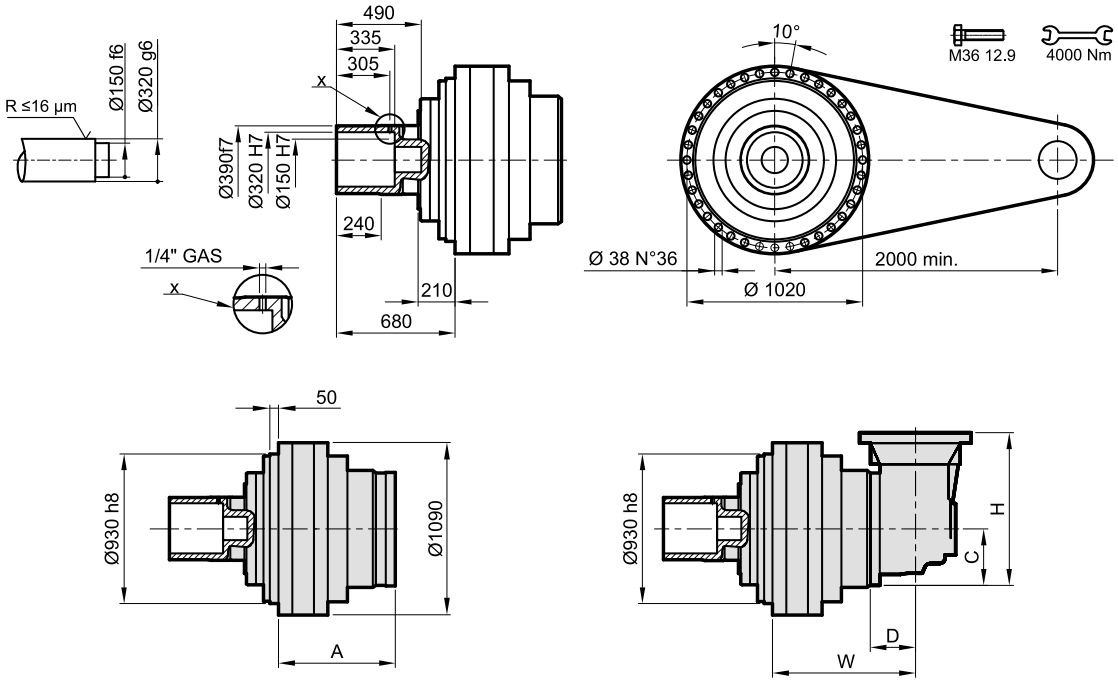
(3) n_{1n} is the rated input speed for continuous operation

(4) n_{1max} is the maximum input speed for intermittent service. For continuous operation at speeds over n1n please inquire.

(5) Pt is the thermal power rating, that is the power in kW that, at 20°C, the gearbox can transmit during continuous operation, at $n_1=n_{1n}$ and lubricated with ISO-VG-220 oil without it exceeding 90°C. It depends on ambient temperature.

Dimensions

S□-E-200-□□-H320×490



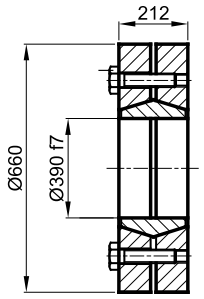
Stages	A	W	D	C	H	ST Mass (1)	SX Mass (1)
1	*	-	-	-	-	*	-
2	*	-	-	-	-	*	-
3	904	-	-	-	-	3600	-
4	1025	-	-	-	-	3700	-
5	1204	1184	101	173	457	4000	4100
6	-	*	*	*	*	-	*

(1) Mass in kg for gearboxes without input modules (solid input shaft, motor flange, etc) or accessories. To obtain actual mass, add the mass for your chosen input module, please inquire.

* Available upon request

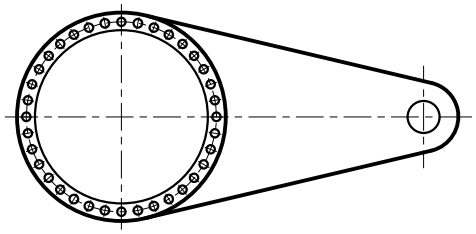
Accessories

SA-H-390



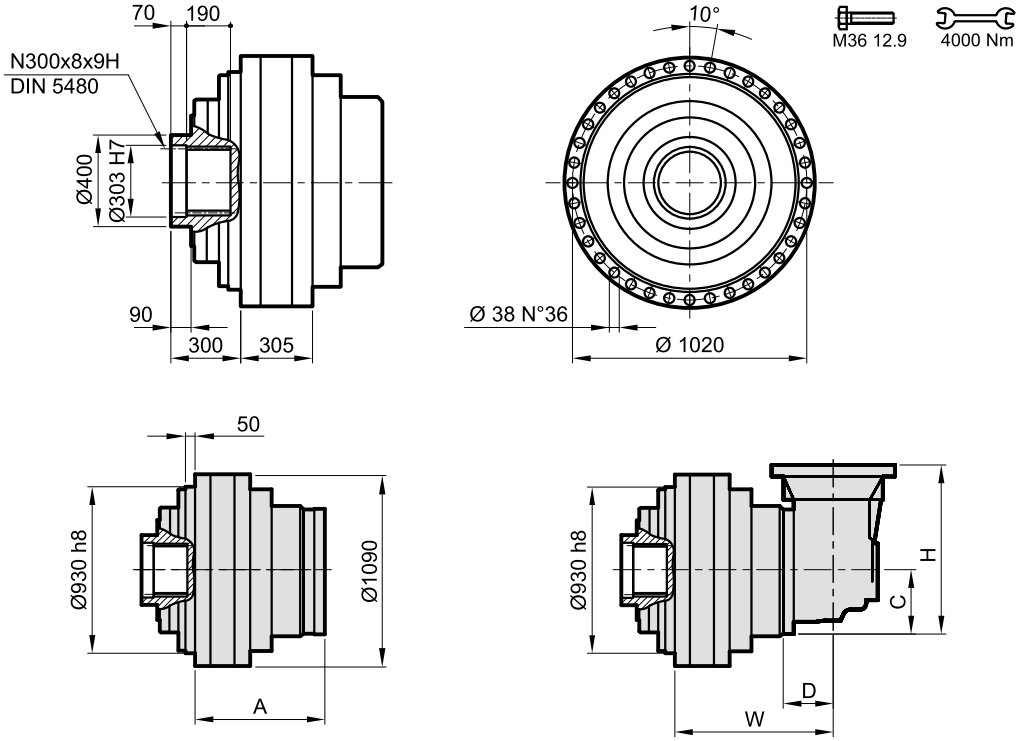
Max. Torque: 1061 kNm
Screw Tightening Torque: 1310 Nm

SA-T-□-760-810-36×32-□-□



See the chapter on Torque Arms

S□-E-200-□□-N300×260

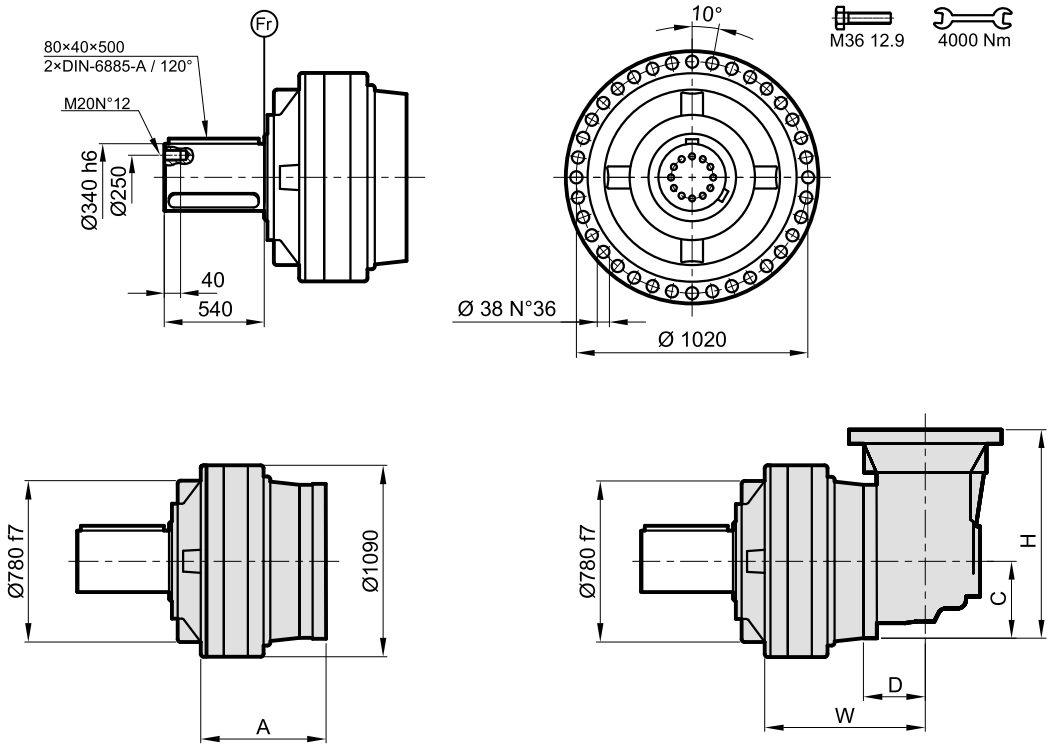


Stages	A	W	D	C	H	ST Mass (1)	SX Mass (1)
1	*	-	-	-	-	*	-
2	*	-	-	-	-	*	-
3	904	-	-	-	-	3600	-
4	1025	-	-	-	-	3700	-
5	1204	1184	101	173	457	4000	4100
6	-	*	*	*	*	-	*

(1) Mass in kg for gearboxes without input modules (solid input shaft, motor flange, etc) or accessories. To obtain actual mass, add the mass for your chosen input module, please inquire.

* Available upon request

S□-E-200-□□-P340×540

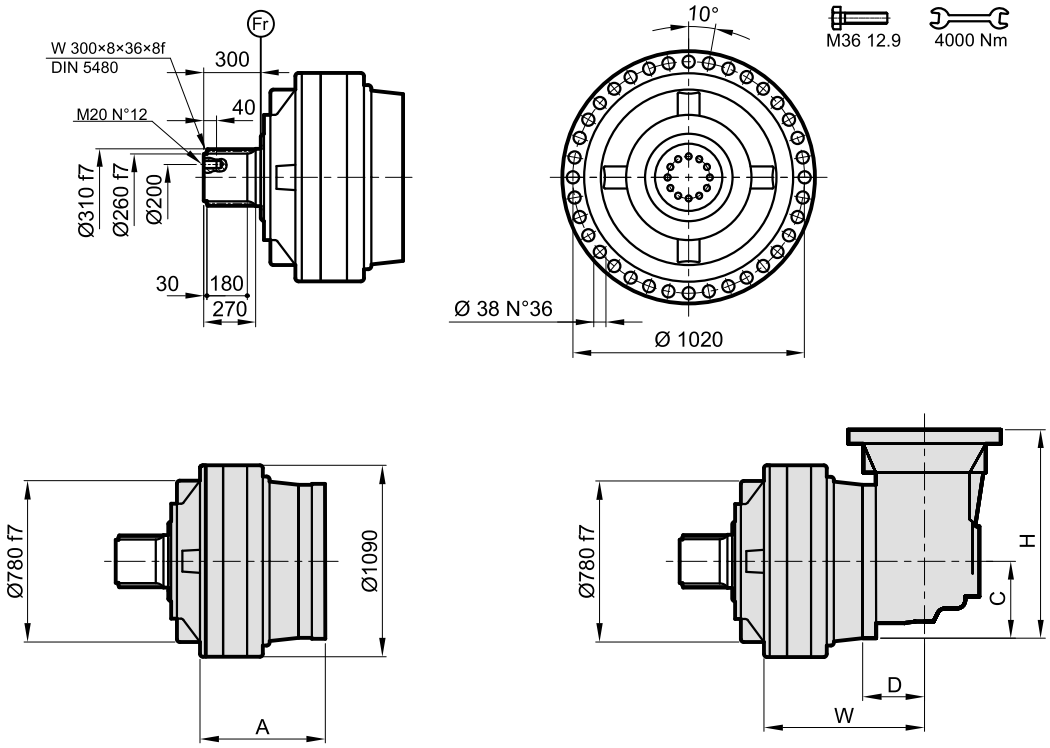


Stages	A	W	D	C	H	ST Mass (1)	SX Mass (1)
1	*	-	-	-	-	*	-
2	*	-	-	-	-	*	-
3	904	-	-	-	-	3600	-
4	1025	-	-	-	-	3700	-
5	1204	1184	101	173	457	4000	4100
6	-	*	*	*	*	-	*

(1) Mass in kg for gearboxes without input modules (solid input shaft, motor flange, etc) or accessories. To obtain actual mass, add the mass for your chosen input module, please inquire.

* Available upon request

S□-E-200-□□-W300×300



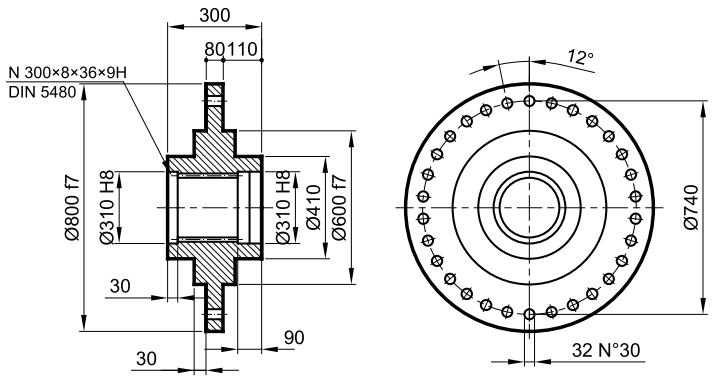
Stages	A	W	D	C	H	ST Mass (1)	SX Mass (1)
1	*	-	-	-	-	*	-
2	*	-	-	-	-	*	-
3	904	-	-	-	-	3600	-
4	1025	-	-	-	-	3700	-
5	1204	1184	101	173	457	4000	4100
6	-	*	*	*	*	-	*

(1) Mass in kg for gearboxes without input modules (solid input shaft, motor flange, etc) or accessories. To obtain actual mass, add the mass for your chosen input module, please inquire.

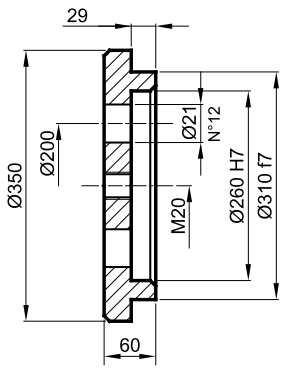
* Available upon request

Accessories

SA-F-300×8×36-S

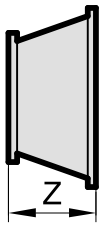


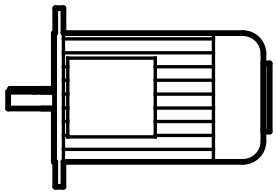
SA-P-310



Inputs

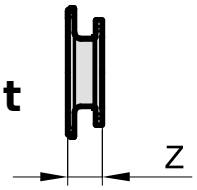
IEC Motor Input

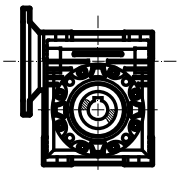




IEC	100	112	132	160	180	200	225	250	280	315
Stages	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
1	-	-	-	-	-	148.5	148.5	183.5	183.5	233
2	-	-	-	-	-	148.5	148.5	183.5	183.5	233
3	-	-	-	-	-	148.5	148.5	183.5	183.5	-
4	-	-	-	-	-	148.5	148.5	183.5	183.5	-
5	-	-	104	120.5	120.5	148.5	148.5	-	-	-
6	71	71	104	120.5	120.5	148.5	148.5	-	-	-

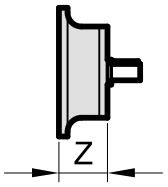
Worm Gearbox Input





Stages	SVS-050 SQS-050	SVS-063 SQS-063	SVS-075 SQS-075	SVS-090 SQS-090	SVS-110 SQS-110
	Z	Z	Z	Z	Z
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	95
5	80	80	57	57	57
6	80	80	57	57	57

Solid Shaft Input



Stages	E25×50 E28×50	E35×50 E42×82	E48×82.5 E65×105	E70×120 E80×130	E90×140 E100×140
	Z		Z	Z	Z
1	-		-	-	-
2	-		-	-	-
3	-		-	-	-
4	-		-	-	211
5	-		-	185	211
6	-		-	185	211