BEGE
POWER TRANSMISSION

Stainless steel worm gearbox

TS TECH
DRIVE & MOTION

v 1.0|07-2020

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TS TECH DRIVE & MOTION

Stainless steel worm gear selection tables

BEGE POWER TRANSMISSION

Output speed [rpm]	Output torque [Nm]	Gearbox ratio i= ... : 1	Allowable overhung load [N]	Service factor FB	Gearbox type
0.09kW					
28	19	50	2.47	2	SE 40
23.3	21	60	2.63	1.7	
17.5	26	80	2.89	1.3	
14	29	100	3.11	1	
0.12kW					
35	17.2	30	2.08	2.6	SE 40
28	21	40	2.29	1.9	
23.3	25	50	2.47	1.5	
17.5	28	60	2.63	1.3	
14	34	80	2.89	1	
46.7	38	100	3.11	0.8	
23.3	29	60	3.61	2.3	SE 50
17.5	35	80	3.97	1.9	
14	40	100	4.28	1.4	
0.18kW					
70	19	20	1.82	2	SE 40
56	23	25	1.96	1.7	
46.7	26	30	2.08	1.7	
35	32	40	2.29	1.3	
28	38	50	2.47	1	
23.3	43	60	2.63	0.8	
35	32	40	3.15	2.3	SE 50
28	39	50	3.39	1.9	
23.3	43	60	3.61	1.6	
17.5	52	80	3.97	1.2	
14	60	100	4.28	0.9	

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Stainless steel worm gear selection tables

BEGE POWER TRANSMISSION

0.25kW					
186.7	11	7.5	1.31	3.6	SE 40
140	14	10	1.44	2.8	
93.3	21	15	1.65	1.9	
70	27	20	1.82	1.5	
56	32	25	1.96	1.2	
46.7	36	30	2.08	1.3	
35	44	40	2.29	0.9	
28	37	50	2.47	0.8	
70	26	20	2.5	2.7	SE 50
56	32	25	2.69	2.2	
46.7	37	30	2.86	2.3	
35	46	40	3.15	1.7	
28	54	50	3.39	1.4	
23.3	60	60	3.61	1.1	
17.5	72	80	3.97	0.9	
28	56	50	4.44	2.4	SE 63
23.3	63	60	4.71	2	
17.5	78	80	5.19	1.6	
14	87	100	5.59	1.4	
28	56	50	4.44	2.4	
23.3	63	60	4.71	2	
17.5	78	80	5.19	1.6	
14	87	100	5.59	1.4	
0.37kW					
186.7	16	7.5	1.31	2.4	SE 40
140	21	10	1.44	1.9	
93.3	31	15	1.65	1.3	
70	39	20	1.82	1	
56	47	25	1.96	0.8	
46.7	53	30	2.08	0.8	
140	21	10	1.98	3.3	SE 50
93.3	31	15	2.27	2.4	
70	40	20	2.5	1.8	
56	48	25	2.69	1.5	
46.7	55	30	2.86	1.5	
35	68	40	3.15	1.1	
28	80	50	3.39	0.9	
23.3	89	60	3.61	0.8	
35	70	40	4.12	2.1	SE 63
28	83	50	4.44	1.6	
23.3	94	60	4.71	1.4	
17.5	115	80	5.19	1.1	
14	129	100	5.59	0.9	

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BEGE POWER TRANSMISSION

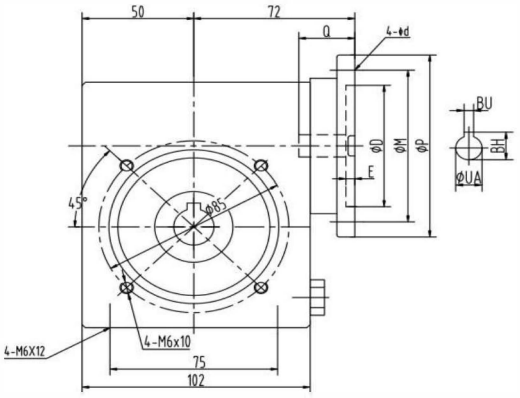
Stainless steel worm gear selection tables

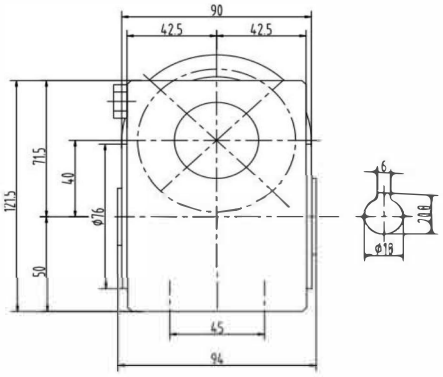
0.55kW					
186.7	25	7.5	1.8	2.9	SE 50
140	32	10	1.98	2.2	
93.3	46	15	2.27	1.6	
70	59	20	2.5	1.2	
56	71	25	2.69	1	
46.7	81	30	2.86	1	
35	80	40	3.15	0.9	
70	60	20	3.27	2.2	SE 63
56	73	25	3.52	1.8	
46.7	83	30	3.74	1.9	
35	105	40	4.12	1.4	
28	124	50	4.44	1.1	
23.3	140	60	4.71	0.9	
0.75kW					
186.7	34	7.5	1.8	2.1	SE 50
140	44	10	1.98	1.6	
93.3	63	15	2.27	1.2	
70	81	20	2.5	0.9	
93.3	63	15	2.97	2.2	SE 63
70	83	20	3.27	1.6	
56	100	25	3.52	1.3	
46.7	114	30	3.74	1.4	
1.1kW					
186.7	49	7.5	2.35	2.6	SE 63
140	65	10	2.59	2.1	
93.3	93	15	2.97	1.5	
70	122	20	3.27	1.1	
56	146	25	3.52	0.9	
46.7	167	30	3.74	1	
35	165	40	3.59	0.9	
1.5kW					
186.7	67	7.5	2.35	1.9	SE 63
140	88	10	2.59	1.5	
93.5	127	15	2.97	1.1	
70	166	20	3.27	0.8	

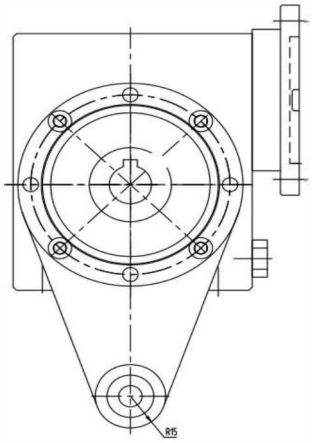
SE40

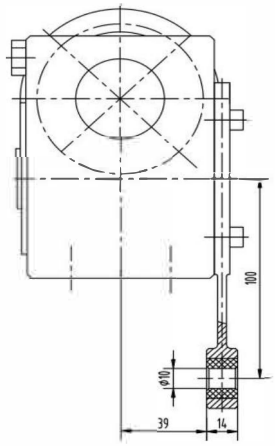
Stainless steel worm gear

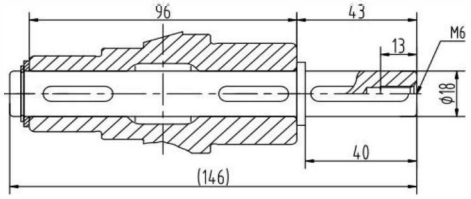
Installation dimensions

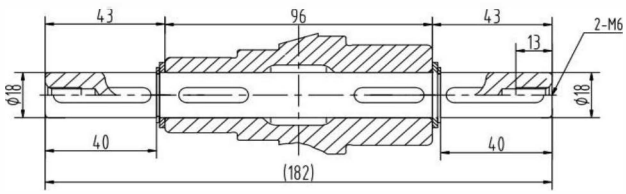












Model / Flange Specification	D	M	P	d	BH	BU	E	Q	Input Aperture UA, Ratio i: 7.5	10	15	20	25	30	40	50	60	80	100
71B5	110	130	160	9	16.3	5	5	30	14	14	14	14	14	14	14	–	–	–	–
71B14	70	85	105	6.6	16.3	5	5	30											
63B5	95	115	140	9	12.8	4	5	23	–	–	–	11	11	11	11	11	11	11	–
63B14	60	75	90	5.5	12.8	4	5	23											
56B5	80	100	120	6.6	10.4	3	4	19	–	–	–	–	–	–	–	9	9	9	9

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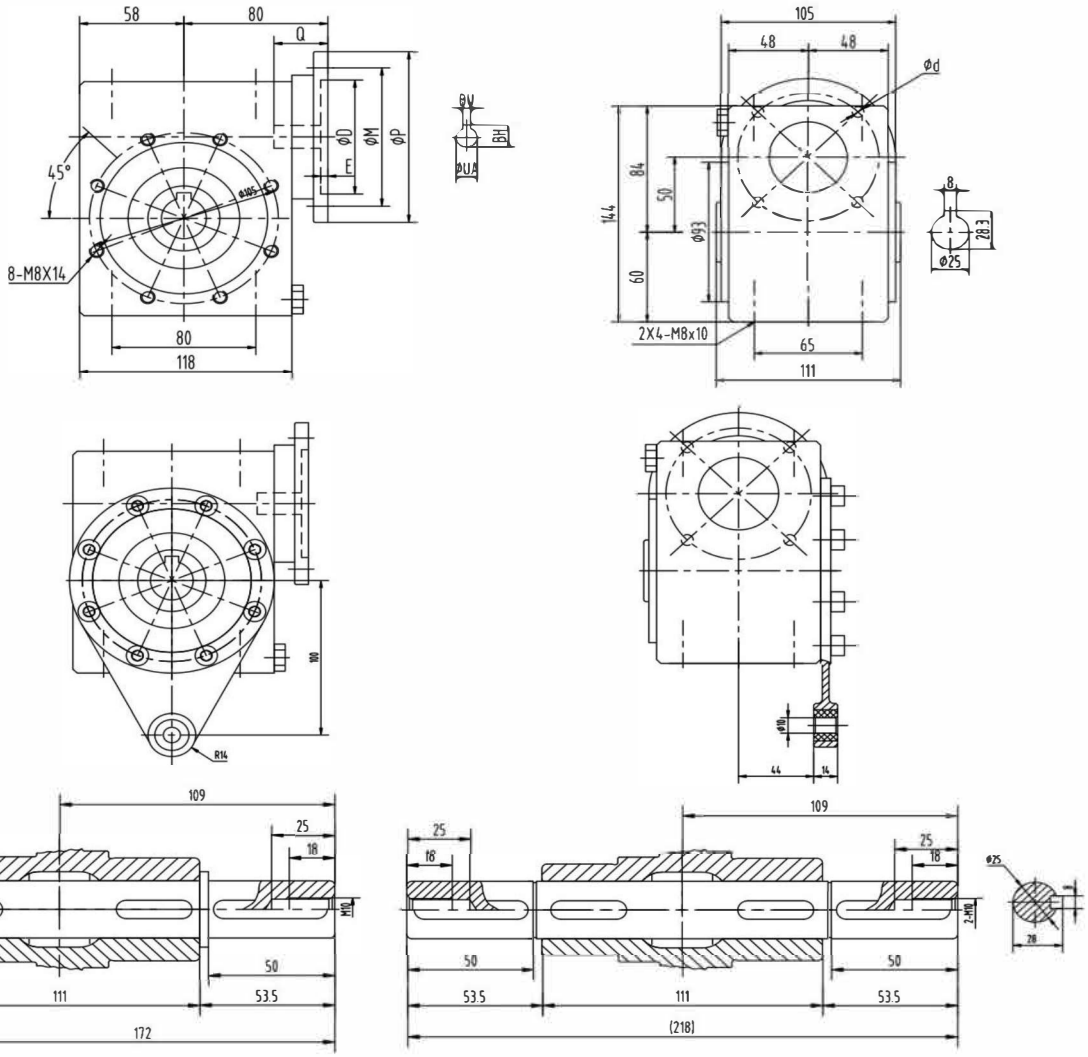
Stainless steel worm gear

Installation dimensions

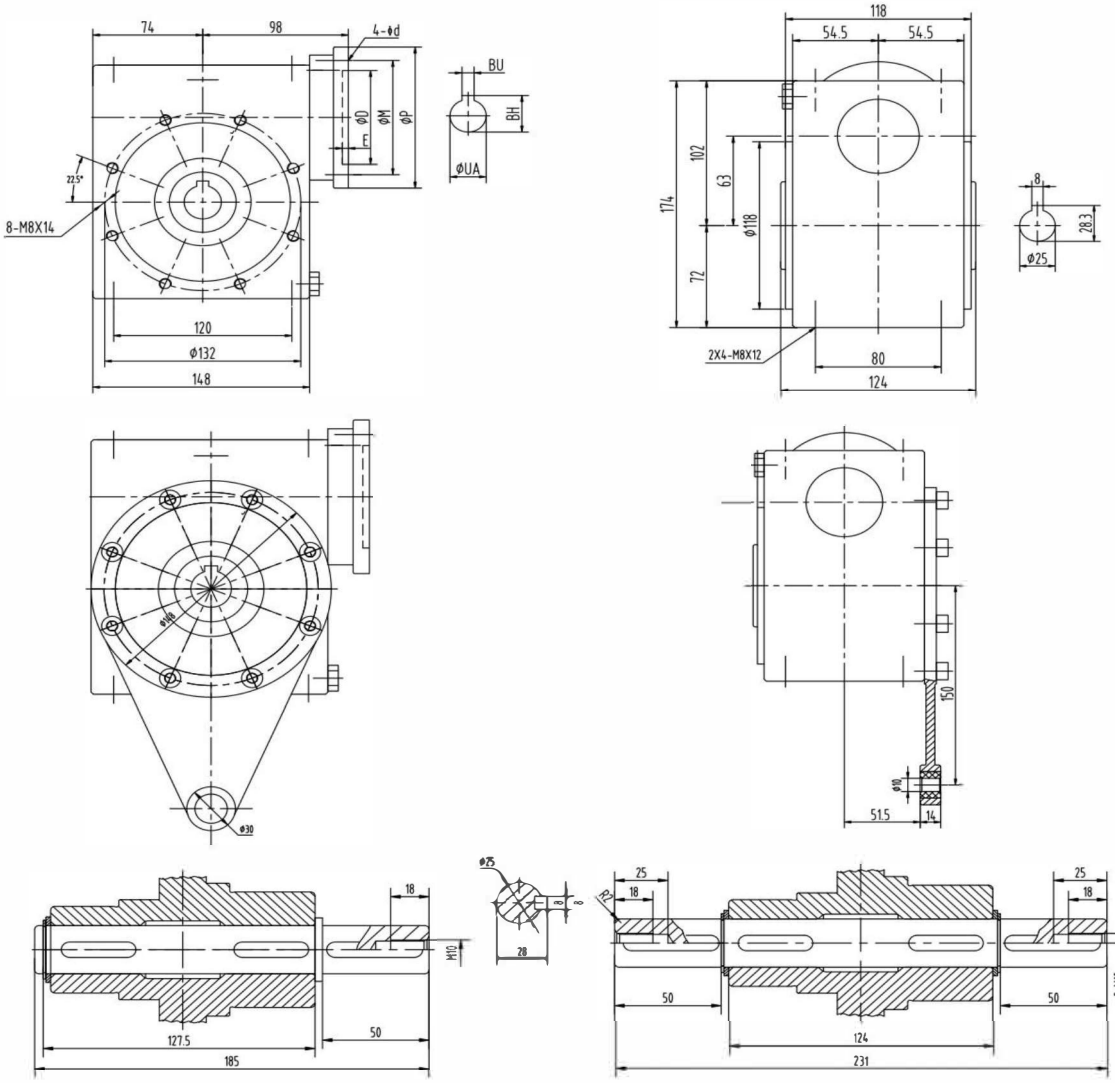


Flange Specification \ Model	D	M	P	d	BH	BU	E	Q	Input Aperture UA, Ratio i: 7.5	10	15	20	25	30	40	50	60	80	100
80B5	130	165	200	11	21.8	6	6	40	19	19	19	19	19	19	–	–	–	–	–
80B14	80	100	120	6.6	21.8	6	6	40											
71B5	10	130	160	9	16.3	5	5	30	–	14	14	14	14	14	14	14	14	14	–
71B14	70	85	105	6.6	16.3	5	5	30											
63B5	95	115	140	9	12.8	4	5	23	–	–	–	–	–	–	11	11	11	11	–
63B14	60	75	90	5.5	12.8	4	5	23											

SE63

Stainless steel worm gear

Installation dimensions



Model / Flange Specification	D	M	P	d	BH	BU	E	Q	Input Aperture UA, Ratio i: 7.5	10	15	20	25	30	40	50	60	80	100
90B5	130	165	200	11	21.8	6	6	50	24	24	24	24	24	24	–	–	–	–	–
90B14	95	115	140	9	27.3	8	6	50											
80B5	130	165	200	11	21.8	6	5	40	–	–	19	19	19	19	19	19	19	–	–
80B14	80	100	120	6.6	21.8	6	5	40											
71B5	110	130	160	9	16.3	5	5	30	–	–	–	–	–	–	14	14	14	14	14
71B14	70	85	105	6.6	16.3	5	5	30											