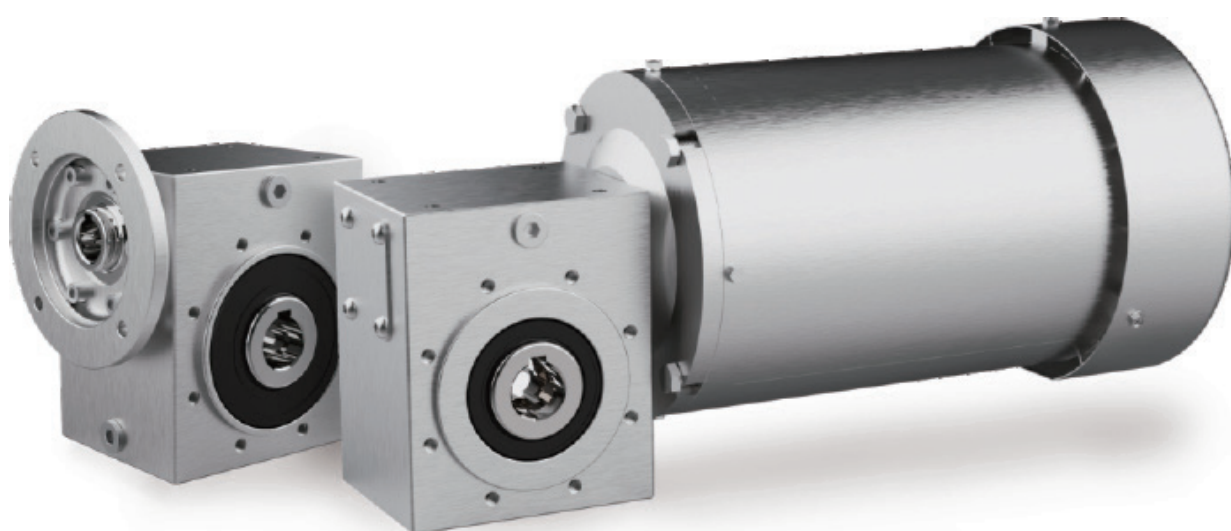




Reductores acero inoxidable

SSRSC

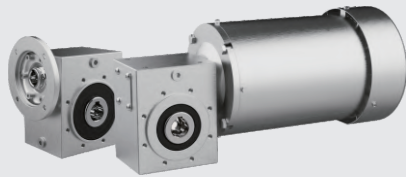
Content

SSRSC SERIES STAINLESS STEEL REDUCER

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SSRSC SERIES STAINLESS STEEL REDUCER

IP65 Standard version IP65



IP69K Upgraded version IP69K

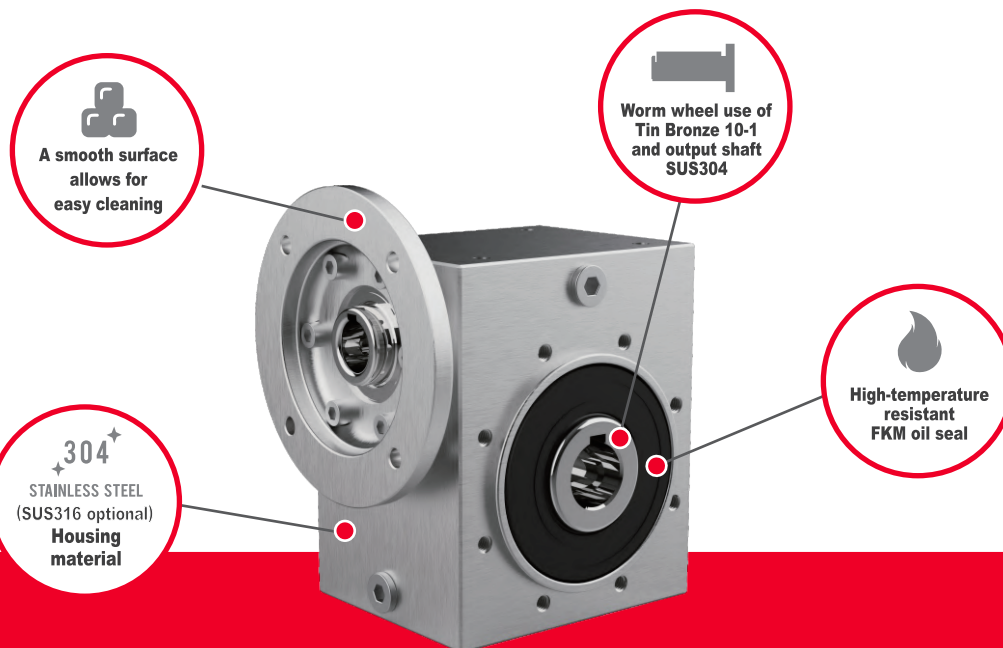


Advantages

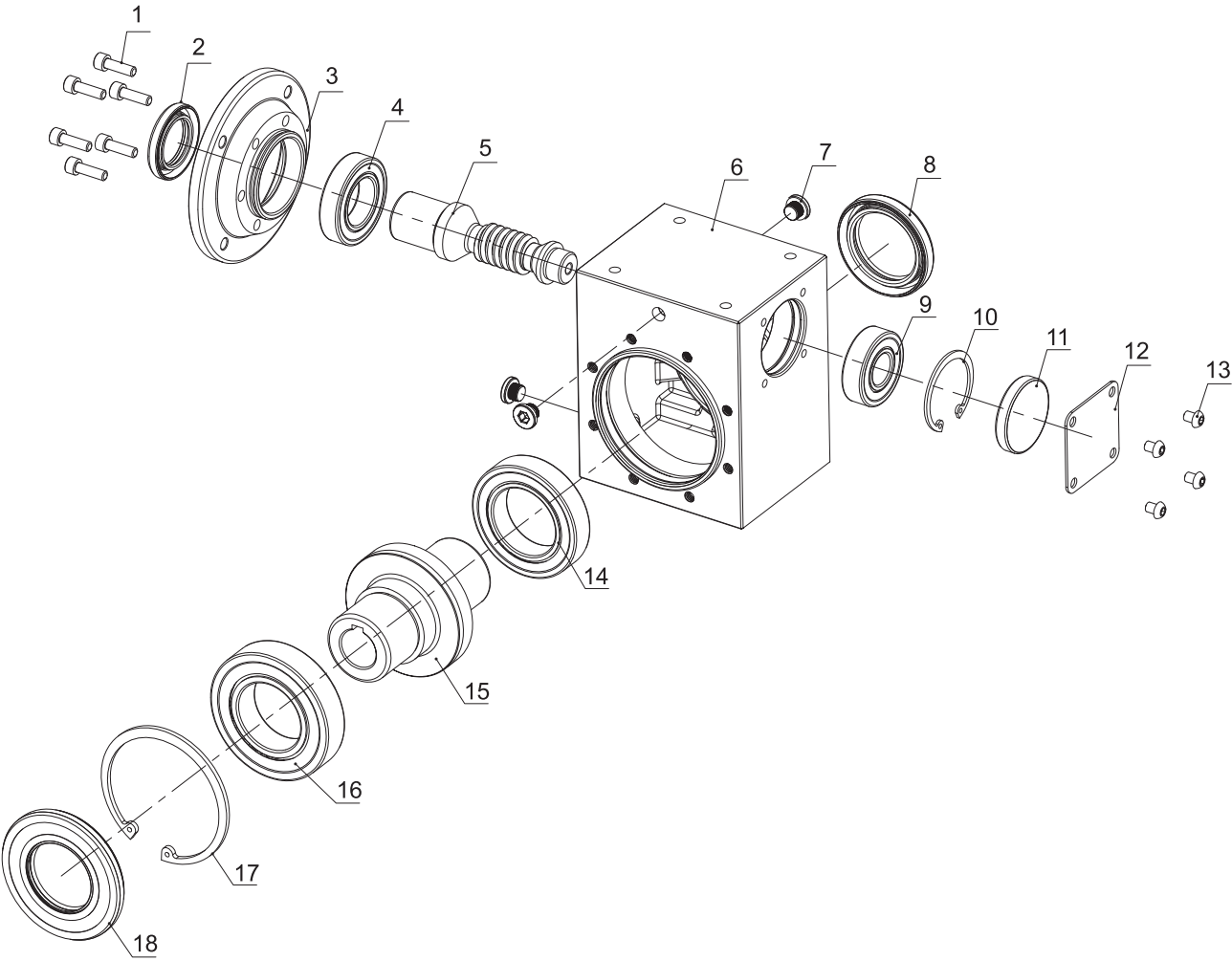
SSRSC stainless steel worm gearboxes have been developed with the aim of hygiene and cleanability.

Model size consists of 6 different sizes from SSRSC30 to SSRSC90.

1. The housing is made of SUS304 stainless steel(SUS316 optional): beautiful appearance and smooth surface make it difficult for dirt to adhere.
2. Strong adaptability: easily assembled with various accessories such as output shafts and torque arms.
3. The center height is same as the standard WMRV series, assembly with standard IEC motors.

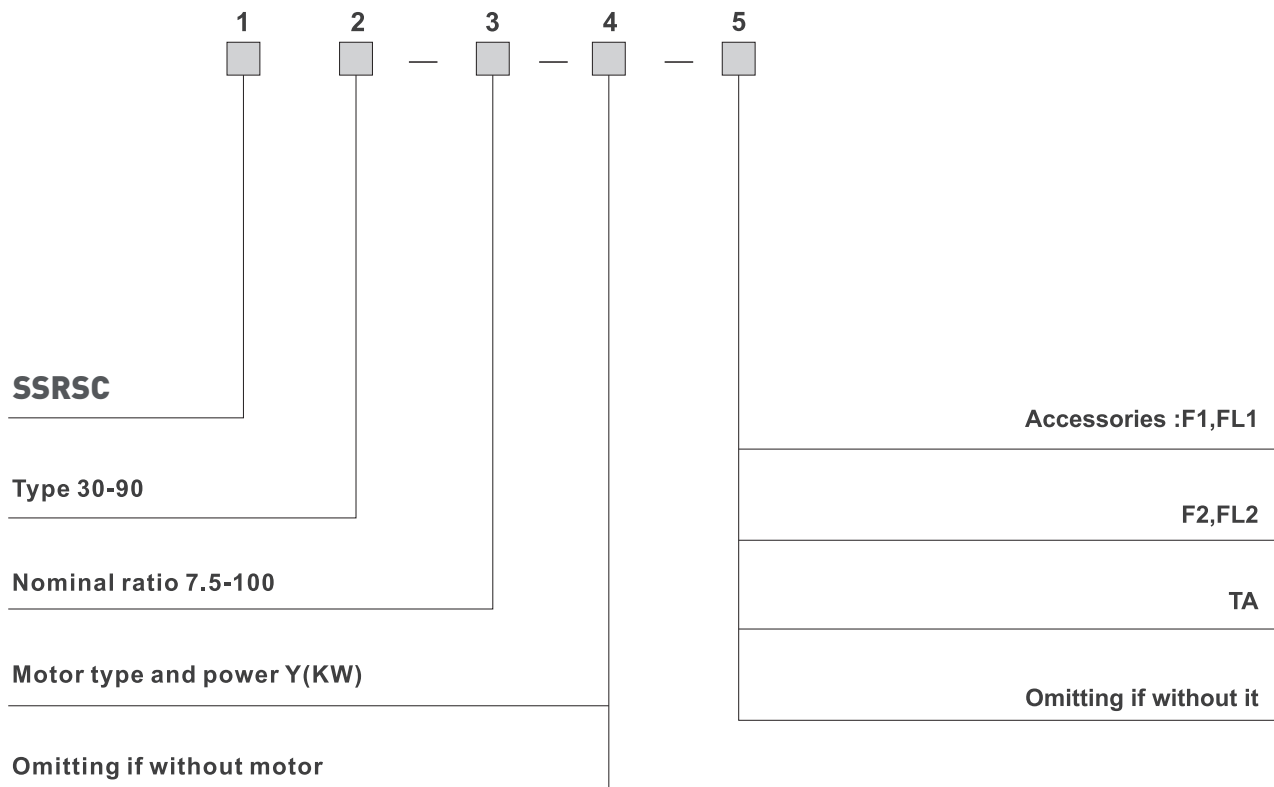


Product disassembly graph



Name		Name	
1	Screws	10	Circlip for hole
2	Oil seal	11	Seal cover
3	Input flange	12	Cover
4	Bearing	13	Screws
5	Worm shaft	14	Bearing
6	Housing	15	Worm gear
7	Oil plug	16	Bearing
8	Oil seal	17	Circlip for hole
9	Bearing	18	Oil seal

Model designation **SSRSC**



example GAES reference: **SSRSC** 40 i50 PAM11/90

1 2 3 4

PAM	⊗	56	63	71	80	90	100	112	132	160	180	200
	B5	9/120	11/140	14/160	19/200	24/200	28/250	28/250	38/300	42/350	48/350	55/400
	B14	9/80	11/90	14/105	19/120	24/140	28/160	28/160				

Sign explanation

SSRSC With input flange(using with electric motor)

30-40-50-63-75-90 Type(centre distance)

7.5-10-15-20-25-30-40-50-60-80-100 Nominal ratio

Y0.18 With electric motor in series Y, the power is 0.18KW

YEJ0.18 With brake motor, the power is 0.18KW

F.....(1-2),FL...(1-2) Output flange and mounting position (F-short output flange. FL-long output flange)

TA With torque arm

Parameter selections

Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input	Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input			
0.06kW								0.18kW										
186.7	2.6	7.5	0.68	6.9	WMSS30	56B5/56B14		35	32	40	2.29	1.3	WMSS40	63B5/63B14	56C			
140	3.4	10	0.75	5.4				28	38	50	2.47	1.0						
93.3	4.7	15	0.86	3.8				23.3	43	60	2.63	0.8						
70	6	20	0.94	3.0				35	32	40	3.15	2.3	WMSS50	63B5/63B14	56C			
56	7	25	1.02	3.0				28	39	50	3.39	1.9						
46.7	8	30	1.08	2.5				23.3	43	60	3.61	1.6						
35	9.7	40	1.19	1.9				17.5	52	80	3.97	1.2						
28	11	50	1.28	1.5				14	60	100	4.28	0.9						
23.3	13	60	1.36	1.3				0.25kW										
17.5	14	80	1.5	0.9				186.7	11	7.5	1.31	3.6	WMSS40	71B5/71B14	56C			
0.09kW								140	14	10	1.44	2.8						
186.7	3.9	7.5	0.68	4.6	WMSS30	56B5/56B14		93.3	21	15	1.65	1.9						
140	5	10	0.75	3.6				70	27	20	1.82	1.5						
93.3	7.1	15	0.86	2.5				56	32	25	1.96	1.2						
70	9	20	0.94	2.0				46.7	36	30	2.08	1.3						
56	10	25	1.02	2.0				35	44	40	2.29	0.9						
46.7	12	30	1.08	1.7				28	37	50	2.47	0.8						
35	14	40	1.19	1.2				70	26	20	2.5	2.7	WMSS50	71B5/71B14	56C			
28	17	50	1.28	1.0				56	32	25	2.69	2.2						
23.3	19	60	1.36	0.9				46.7	37	30	2.86	2.3						
28	19	50	2.47	2.0				35	46	40	3.15	1.7						
23.3	21	60	2.63	1.7	28	54	50	3.39	1.4									
17.5	26	80	2.89	1.3	WMSS40	56B5/56B14		23.3	60	60	3.61	1.1	WMSS63	71B5/71B14	56C			
14	29	100	3.11	1.0				17.5	72	80	3.97	0.9						
0.12kW								28	56	50	4.44	2.4						
186.7	5.2	7.5	0.68	3.4				WMSS30	63B5/63B14	48C	23.3	63				60	4.71	2.0
140	6.7	10	0.75	2.7							17.5	78				80	5.19	1.6
93.3	9.5	15	0.86	1.9	14	87	100				5.59	1.4						
70	12	20	0.94	1.5	0.37kW													
56	14	25	1.02	1.5	186.7	16	7.5				1.31	2.4	WMSS40	71B5/71B14	56C			
46.7	16	30	1.08	1.3	140	21	10				1.44	1.9						
35	19	40	1.19	0.9	93.3	31	15				1.65	1.3						
28	23	50	1.28	0.8	70	39	20				1.82	1.0						
46.7	17.2	30	2.08	2.6	56	47	25				1.96	0.8						
35	21	40	2.29	1.9	46.7	53	30				2.08	0.8	WMSS50	71B5/71B14	56C			
28	25	50	2.47	1.5	140	21	10	1.98	3.3									
23.3	28	60	2.63	1.3	93.3	31	15	2.27	2.4									
17.5	34	80	2.89	1.0	70	40	20	2.5	1.8									
14	38	100	3.11	0.8	56	48	25	2.69	1.5									
23.3	29	60	3.61	2.3	WMSS40	63B5/63B14	56C	46.7	55	30	2.86	1.5	WMSS63	71B5/71B14	56C			
17.5	35	80	3.97	1.9				35	68	40	3.15	1.1						
14	40	100	4.28	1.4				28	80	50	3.39	0.9						
0.18kW								23.3	89	60	3.61	0.8						
186.7	7.8	7.5	0.68	2.3				WMSS30	63B5/63B14	48C	35	70				40	4.12	2.1
140	10	10	0.75	1.8	28	83	50				4.44	1.6						
93.3	14	15	0.86	1.3	23.3	94	60				4.71	1.4						
70	18	20	0.94	1.0	17.5	115	80				5.19	1.1						
56	21	25	1.02	1.0	14	129	100				5.59	0.9						
46.7	24	30	1.08	0.8	0.55kW													
70	19	20	1.82	2.0	186.7	25	7.5				1.8	2.9	WMSS50	80B5/80B14	56C			
56	23	25	1.96	1.7	140	32	10				1.98	2.2						
46.7	26	30	2.08	1.7	93.3	46	15				2.27	1.6						
					70	59	20				2.5	1.2						

Parameter selections

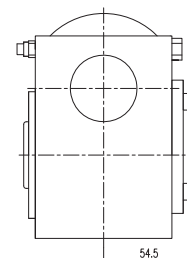
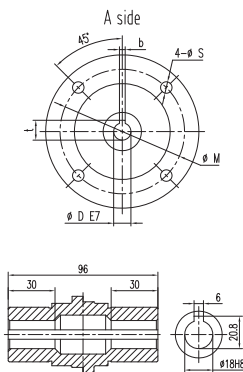
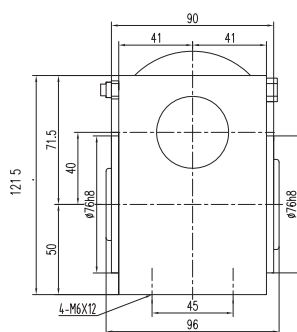
Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input	Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input						
0.55kW								1.5kW													
56	71	25	2.69	1.0	WMSS50	80B5/80B14	56C	186.7	67	7.5	2.35	1.9	WMSS63	90B5/90B14	145TC						
46.7	81	30	2.86	1.0				140	89	10	2.59	1.5									
35	80	40	3.15	0.9				93.3	127	15	2.97	1.1									
70	60	20	3.27	2.2	WMSS63	80B5/80B14	56C	70	166	20	3.27	0.8	WMSS75	90B5/90B14	145TC						
56	73	25	3.52	1.8				140	90	10	3.06	2.2									
46.7	83	30	3.74	1.9				93.3	130	15	3.5	1.5									
35	105	40	4.12	1.4				70	168	20	3.86	1.3									
28	124	50	4.44	1.1				56	205	25	4.16	1.0									
23.3	140	60	4.71	0.9				46.7	233	30	4.42	1.0									
0.75kW								2.2kW													
186.7	34	7.5	1.8	2.1	WMSS50	80B5/80B14	56C	70	171	20	4.27	2.1	WMSS90	90B5/90B14	145TC						
140	44	10	1.98	1.6				56	210	25	4.6	1.6									
93.3	63	15	2.27	1.2				46.7	239	30	4.89	1.7									
70	81	20	2.5	0.9				35	307	40	5.38	1.2									
93.3	63	15	2.97	2.2	WMSS63	80B5/80B14	56C	28	368	50	5.79	0.9	WMSS75	100B5/100B14	180TC						
70	83	20	3.27	1.6				23.3	424	60	6.16	0.8									
56	100	25	3.52	1.3				186.7	100	7.5	2.78	1.8									
46.7	114	30	3.74	1.4				140	132	10	3.06	1.5									
35	143	40	4.12	1.0	WMSS75	80B5/80B14	145TC	93.3	191	15	3.5	1.0	WMSS90	100B5/100B14	180TC						
56	102	25	4.16	2.0				70	240	20	3.38	0.9									
46.7	117	30	4.42	2.0				56	256	25	3.58	0.8									
35	147	40	4.86	1.5				46.7	269	30	3.89	0.8									
28	177	50	5.24	1.2	WMSS90	80B5/80B14	145TC	186.7	101	7.5	3.08	2.9	WMSS90	100B5/100B14	180TC						
23.3	200	60	5.56	1.0				140	134	10	3.39	2.3									
28	184	50	5.79	1.8				93.3	194	15	3.88	1.9									
23.3	212	60	6.16	1.5				70	252	20	4.27	1.4									
17.5	258	80	6.78	1.1	WMSS90	80B5/80B14	145TC	56	308	25	4.6	1.1	WMSS75	112B5/112B14	180TC						
14	302	100	7.3	0.9				46.7	351	30	4.89	1.2									
1.1kW								35	433	40	4.9	1.0				WMSS75	112B5/112B14	180TC			
186.7	49	7.5	2.35	2.6				28	393	50	5.28	0.9									
140	65	10	2.59	2.0	3kW																
93.3	93	15	2.97	1.5	186.7	136	7.5	2.78	1.4	WMSS75	112B5/112B14	180TC									
70	122	20	3.27	1.1	140	180	10	3.06	1.1												
56	146	25	3.52	0.9	93.3	261	15	3.5	0.8												
46.7	167	30	3.74	1.0	WMSS63	90B5/90B14	56C/ 145TC	186.7	138	7.5	3.08	2.1	WMSS90	112B5/112B14	180TC						
35	165	40	3.59	0.9				140	182	10	3.39	1.7									
93.3	95	15	3.5	2.1				93.3	264	15	3.88	1.4									
70	123	20	3.86	1.7				70	344	20	4.27	1.0									
56	150	25	4.16	1.3	WMSS75	90B5/90B14	56C/ 145TC	56	420	25	4.6	0.8	WMSS90	112B5/112B14	180TC						
46.7	171	30	4.42	1.3				46.7	479	30	4.89	0.9									
35	216	40	4.86	1.0				4kW													
28	264	50	4.6	0.9				186.7	182	7.5	2.44	1.0				WMSS75	112B5/112B14	180TC			
23.3	223	60	4.89	0.8	140	240	10	3.06	0.8												
35	225	40	5.38	1.6	WMSS90	90B5/90B14	56C/ 145TC	186.7	184	7.5	3.08	1.6	WMSS90	112B5/112B14	180TC						
28	270	50	5.79	1.3				140	243	10	3.39	1.3									
23.3	311	60	6.16	1.0				93.3	352	15	3.88	1.0									
17.5	328	80	6.17	0.9				70	458	20	4.27	0.8									

[illegible]

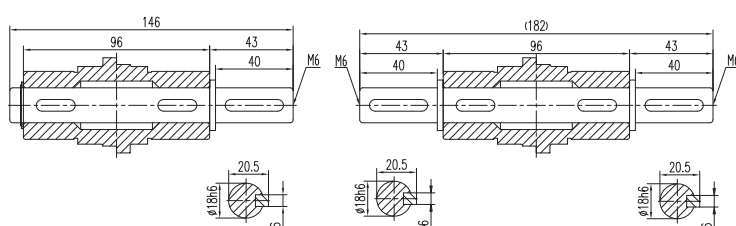
Double output shaft

Torque arm

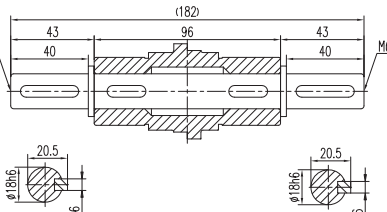
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
56B5	φ9	3	10.4	80	65	50	7	3.5	55	21
56B14	φ9	3	10.4	120	100	80	5.5	3.5	55	21
63B5	φ11	4	12.8	90	75	60	9	3.5	55	24
63B14	φ11	4	12.8	140	115	95	5.5	3.5	55	24
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	76	53



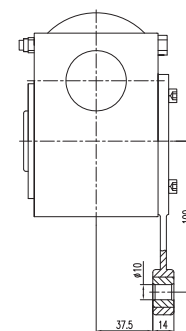
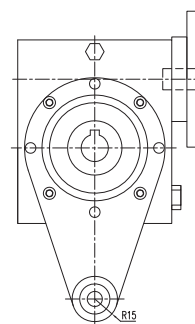
Safety cover



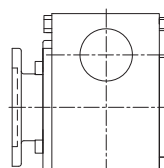
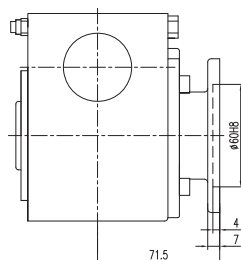
Single output shaft



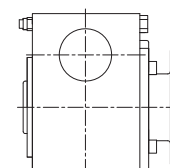
Double output shaft



Torque arm



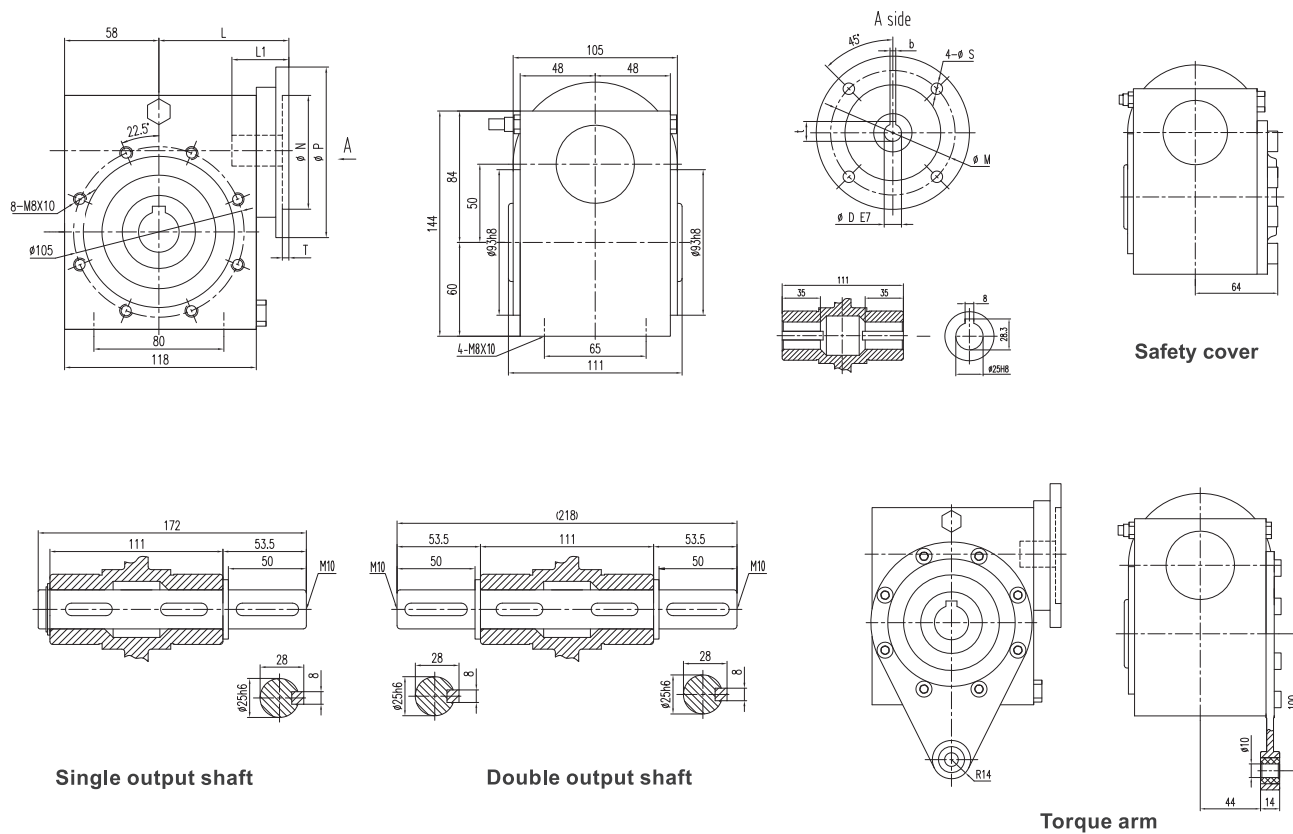
F2



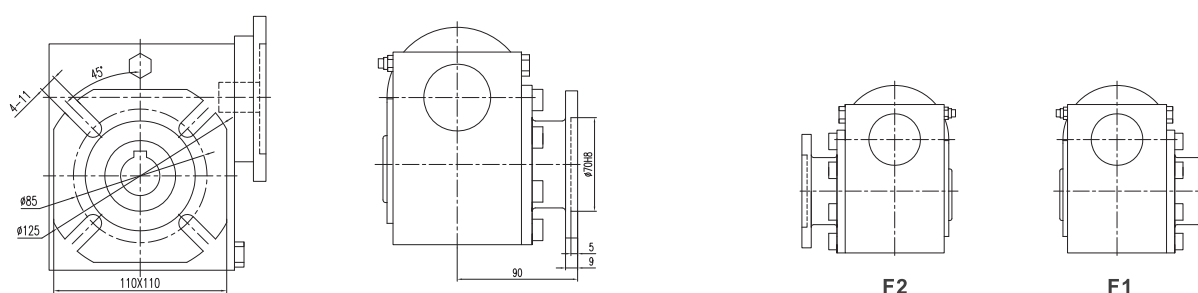
F1

IEC	D (E7)	b	t	P	M	N	S	T	L	L1
56B5	φ9	3	10.4	120	100	80	7	3.5	70	21
63B5	φ11	4	12.8	140	115	95	9	3.5	70	24
63B14	φ11	4	12.8	90	75	60	5.5	5	70	24
71B5	φ14	5	16.3	160	130	110	9	4	70	31
71B14	φ14	5	16.3	105	85	70	7	3	70	31
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	87	53

SSRSC 50 Installation dimensions



Output flange mounting dimensions



Motor flange mounting dimensions

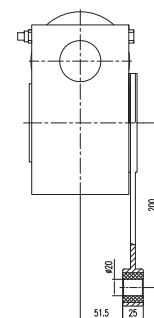
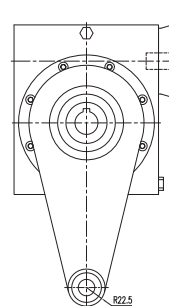
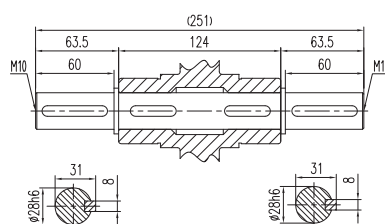
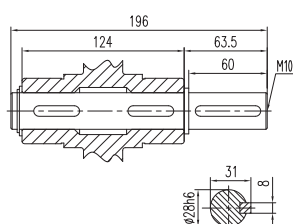
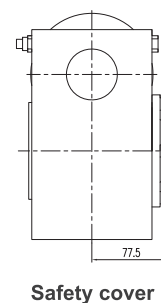
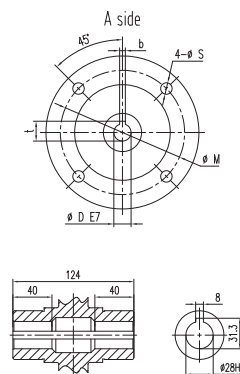
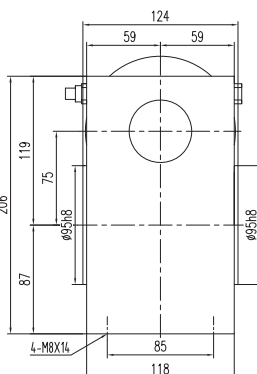
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
63B5	φ11	4	12.8	140	115	95	9	4	79	24
63B14	φ11	4	12.8	90	75	60	5.5	6	79	24
71B5	φ14	5	16.3	160	130	110	9	4	79	31
71B14	φ14	5	16.3	105	85	70	6.6	6	79	31
80B5	φ19	6	21.8	200	165	130	11	4	79	41
80B14	φ19	6	21.8	120	100	80	7	4	80	41
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	90	53

Technical drawings of the S1000 motor assembly, showing various views and dimensions:

- Front View (Top Left):** Shows the motor body with dimensions: 70, L, L1, 120, 145, 8-M8X14, $\phi 132$, ϕN , ϕP , and A.
- Side View (Top Middle):** Shows the motor body with dimensions: 118, 54.5, 54.5, 174, 102, 63, 72, $\phi 130/6$, 80, 124, 118/6, and 4-M8X12.
- Top View (Top Right):** Shows the motor body with dimensions: 45, b, 4- ϕS , ϕM , $\phi D E7$, and 70.5.
- Detail View (Middle Left):** Shows a cross-section of the motor body with dimensions: 40, 124, 40, and 4.
- Detail View (Middle Right):** Shows a cross-section of the motor body with dimensions: 8, 28.3, and $\phi 25H6$.
- Safety cover (Top Far Right):** Shows the safety cover with a dimension of 70.5.
- Single output shaft (Bottom Left):** Shows the single output shaft with dimensions: 185, 124, 53, 50, M10, $\phi 25H6$, 28, and 8.
- Double output shaft (Bottom Middle):** Shows the double output shaft with dimensions: 230, 53, 124, 53, 50, M10, $\phi 25H6$, 28, and 8.
- Torque arm (Bottom Right):** Shows the torque arm with dimensions: 150, $\phi 10$, 51.5, 14, and R15.

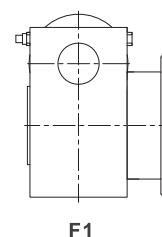
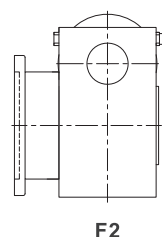
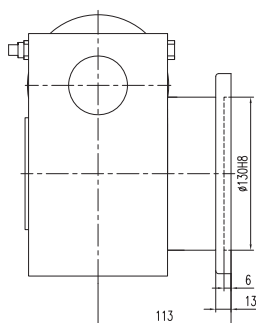
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
71B5	φ14	5	16.3	160	130	110	9	4	96	31
71B14	φ14	5	16.3	105	85	70	6.6	6	96	31
80B5	φ19	6	21.8	200	165	130	11	4	96	41
80B14	φ19	6	21.8	120	100	80	7	4	96	41
90B5	φ24	8	27.3	200	165	130	11	4	96	51
90B14	φ24	8	27.3	140	115	95	9	4	96	51
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	106	53
145TC	φ22.23	4.78	24.46	165	149.3	114.3	10.5	5	106	58

Technical drawing of the front view of a circular mechanical part. The drawing shows a circular face with concentric circles and 8-M8x14 threaded holes. Dimensions include a total width of 88, a central hole diameter of 115, and a total diameter of 140. A side view shows a thickness of 175.5 and a flange thickness of 140. A detail view shows a hole with a 45-degree chamfer and a diameter of 115. A section line A-A is indicated.



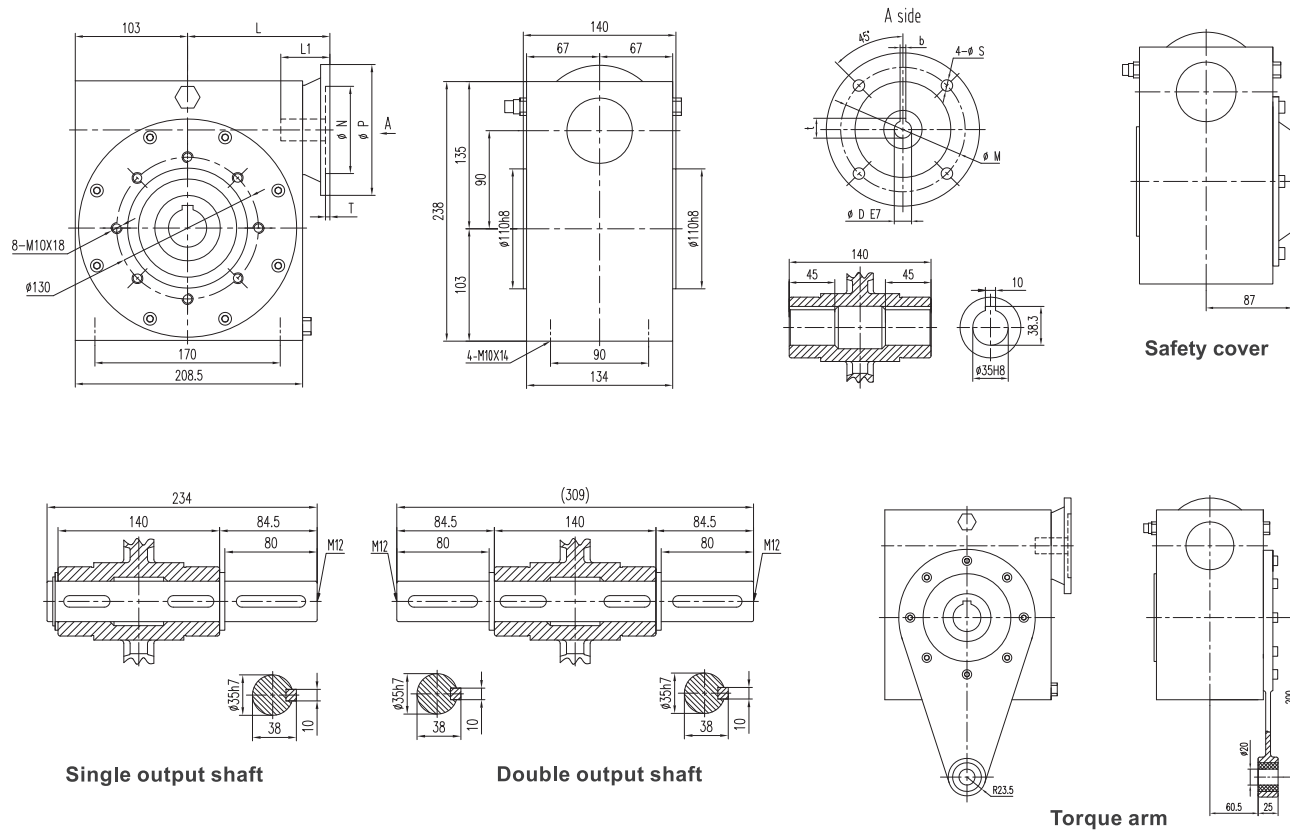
Double output shaft

Torque arm

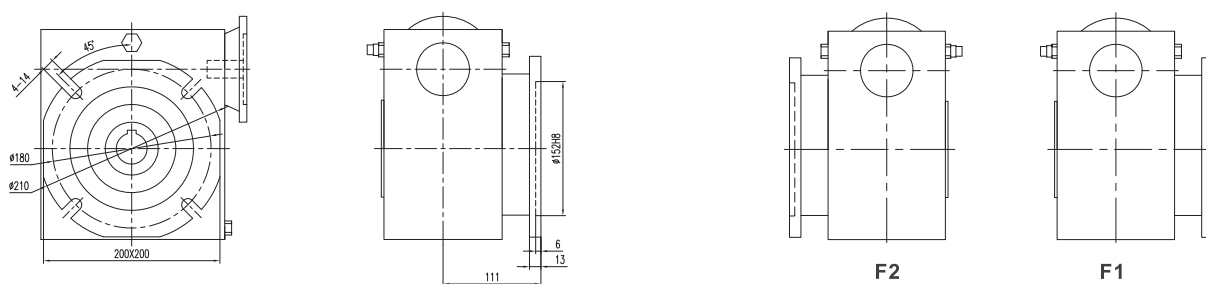


IEC	D (E7)	b	t	P	M	N	S	T	L	L1
80B5	φ19	6	21.8	200	165	130	11	6	112.5	41
80B14	φ19	6	21.8	120	100	80	6.6	6	112.5	41
90B5	φ24	8	27.3	200	165	130	11	6	112.5	51
90B14	φ24	8	27.3	140	115	95	9	6	112.5	51
100/112B5	φ28	8	31.3	250	215	180	14	6	112.5	61
100/112B14	φ28	8	31.3	160	130	110	9	6	112.5	61
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	126	53
145TC	φ22.23	4.78	24.46	165	149.3	114.3	10.5	5	126	58
180TC	φ28.58	6.35	31.5	228.6	184.2	215.9	13.5	6	126	71

SSRSC90 Installation dimensions



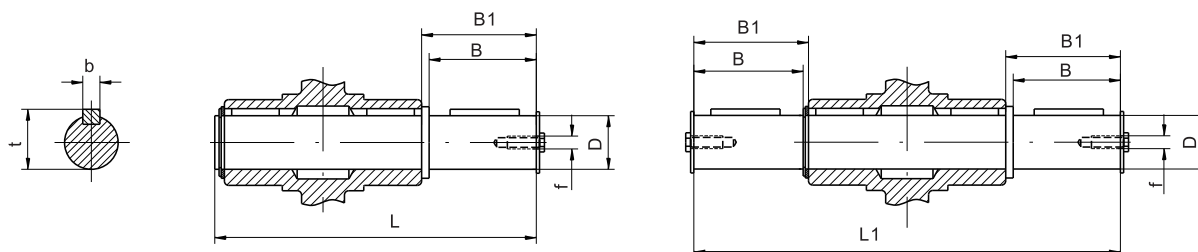
Output flange mounting dimensions



Motor flange mounting dimensions

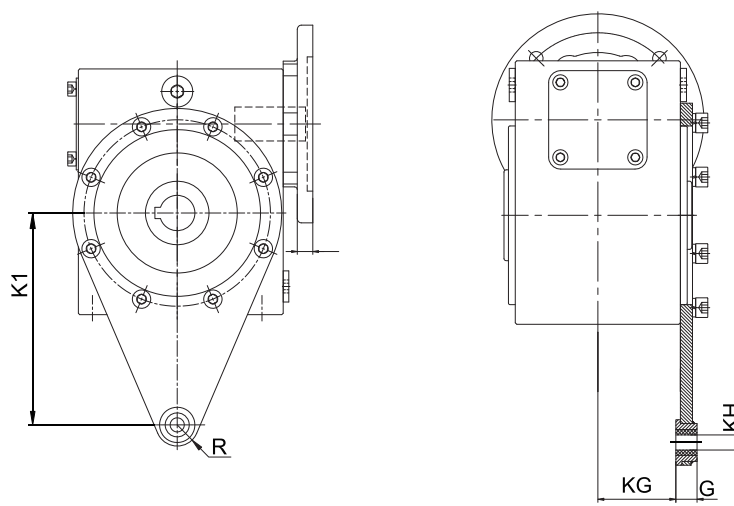
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
80B5	φ19	6	21.8	200	165	130	11	6	129.5	41
80B14	φ19	6	21.8	120	100	80	6.6	6	129.5	41
90B5	φ24	8	27.3	200	165	130	11	6	129.5	51
90B14	φ24	8	27.3	140	115	95	9	6	129.5	51
100/112B5	φ28	8	31.3	250	215	180	14	6	129.5	61
100/112B14	φ28	8	31.3	160	130	110	9	6	129.5	61
56C	φ15.88	4.78	18.11	165	149.3	114.3	10.5	5	143	53
145TC	φ22.23	4.78	24.46	165	149.3	114.3	10.5	5	143	58
180TC	φ28.58	6.35	31.5	228.6	184.2	215.9	13.5	6	143	71

Dimensions of single/double output shaft



Type	D(h6)	B	B1	L	L1	f	b	t
30	14	30	32.5	102	128	M6	5	16
40	18	40	43	128	164	M6	6	20.5
50	25	50	53.5	152	199	M10	8	28
63	25	50	53.5	173	219	M10	8	28
75	28	60	63.5	192	247	M10	8	31
90	35	80	84	234	308	M12	10	38

Dimensions of torque arms



Type	K1	R	KH	G	KG
30	85	11	8	14	24
40	100	15	10	14	37.5
50	100	14	10	14	44
63	150	15	10	14	51.5
75	200	30	20	25	47.5
90	200	30	20	25	57.5

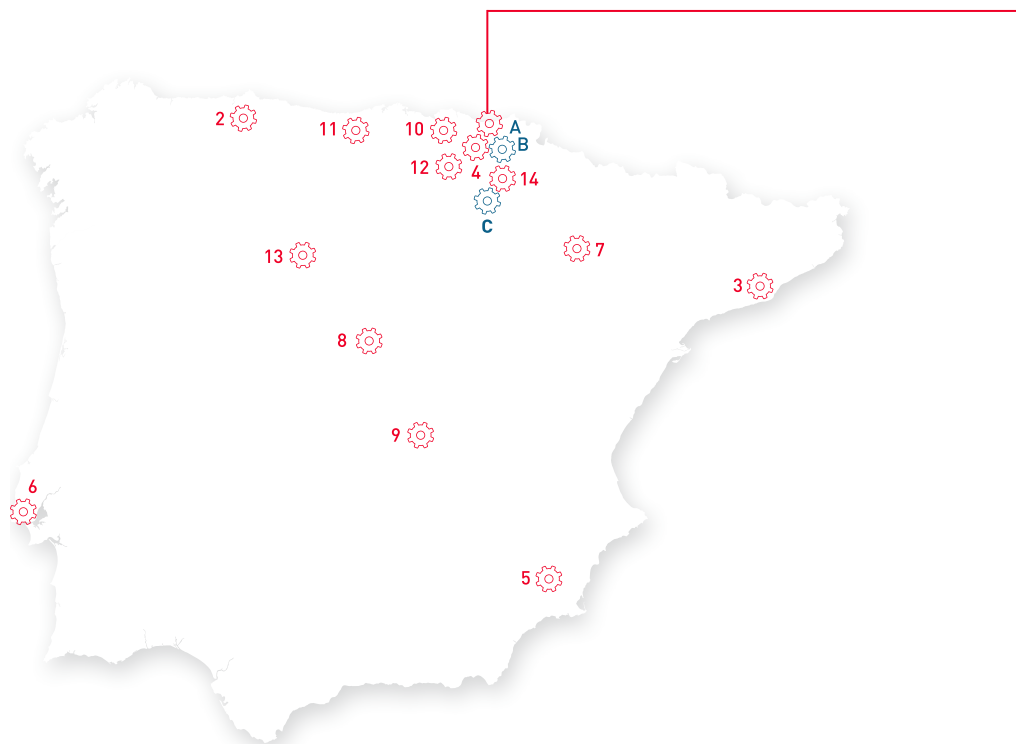
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