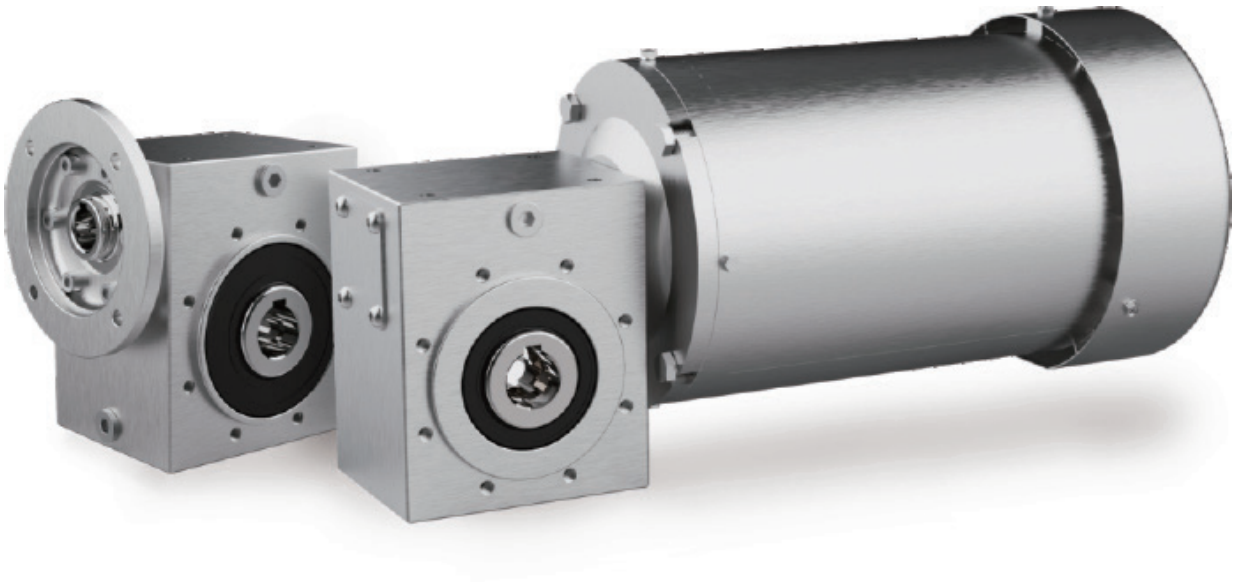
GRUPO GAES
SISTEMAS MECÁNICOS



Reductores acero inoxidable

SSRSC

WUMA

V260313

Content

SSRSC SERIES STAINLESS STEEL REDUCER

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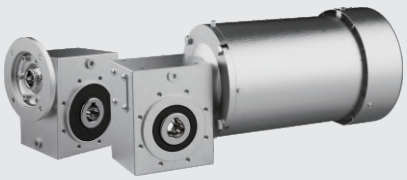
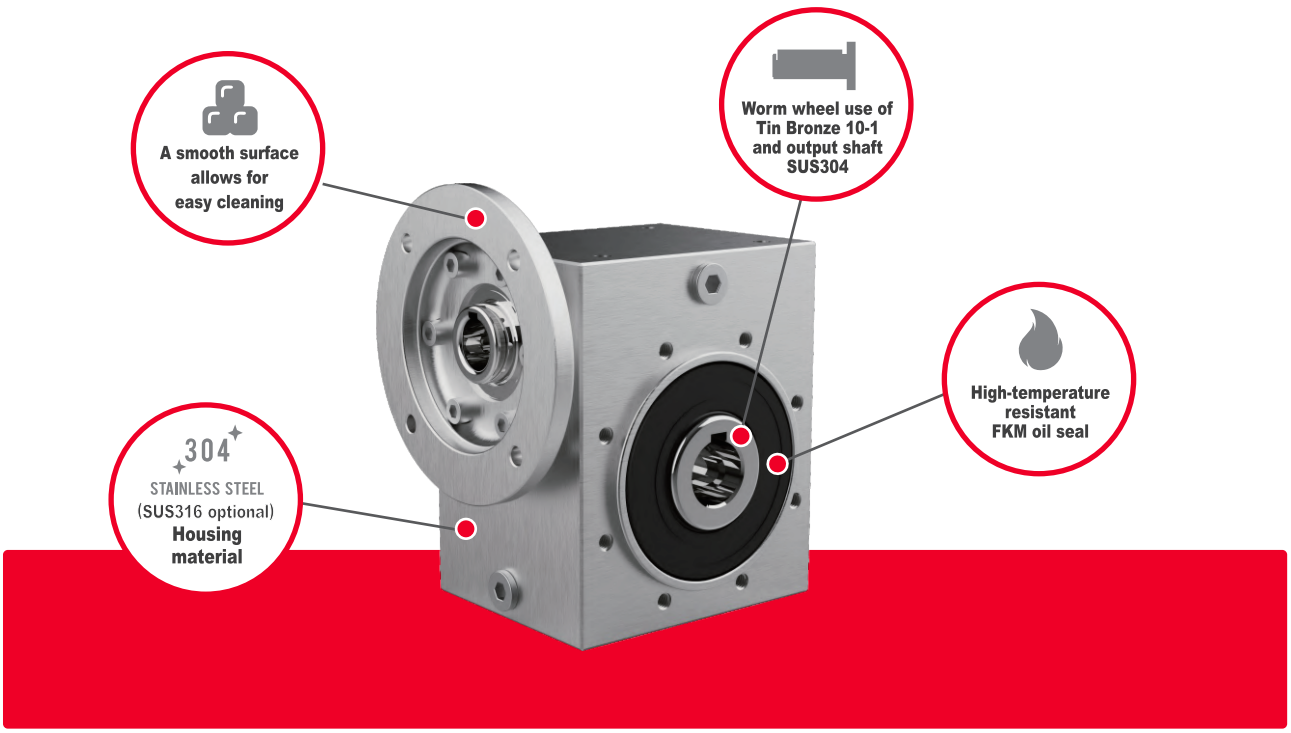
IP65 Standard version IP65	IP69K Upgraded version IP69K
	

Advantages

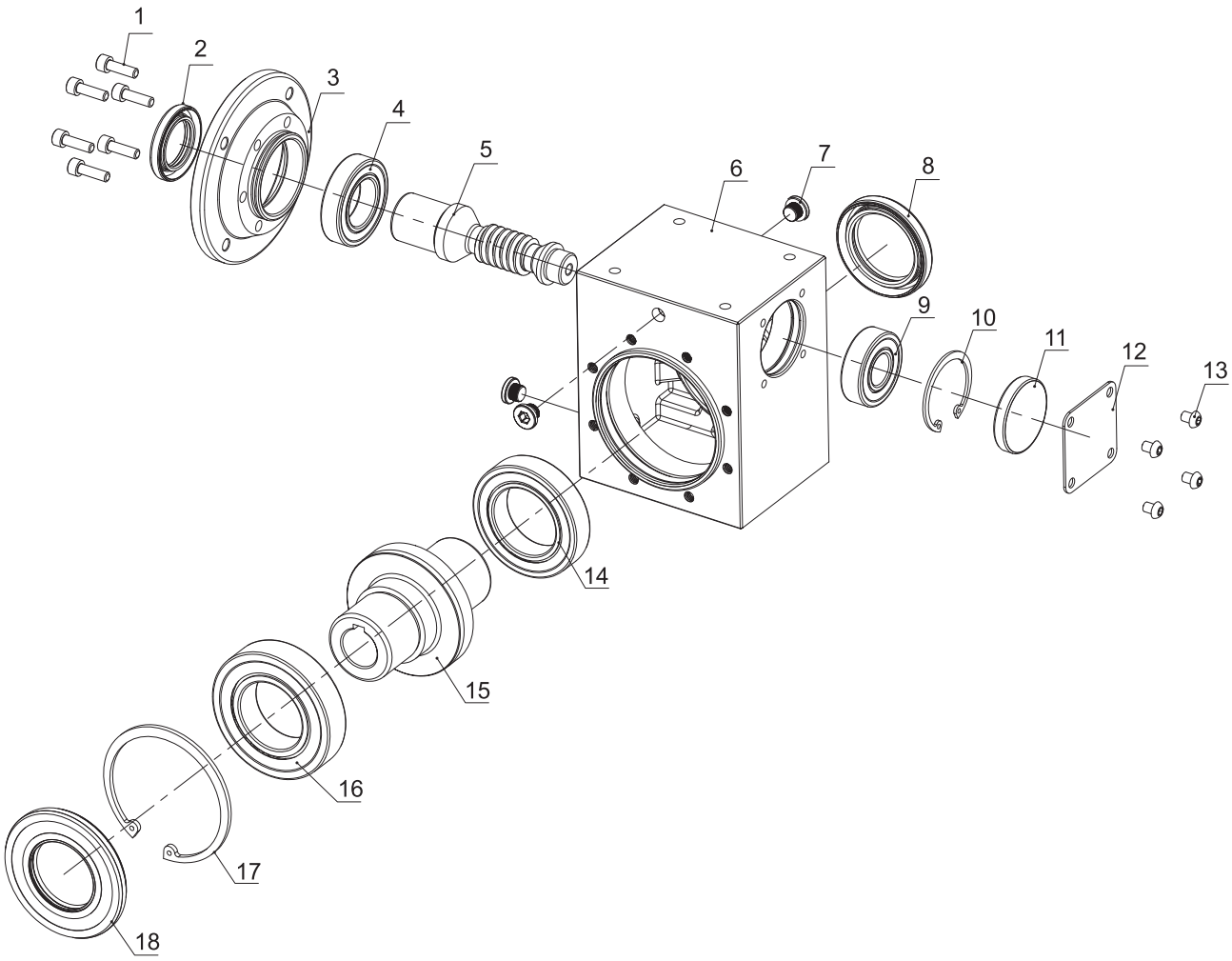
SSRSC stainless steel worm gearboxes have been developed with the aim of hygiene and cleanability.

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 adhe
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.

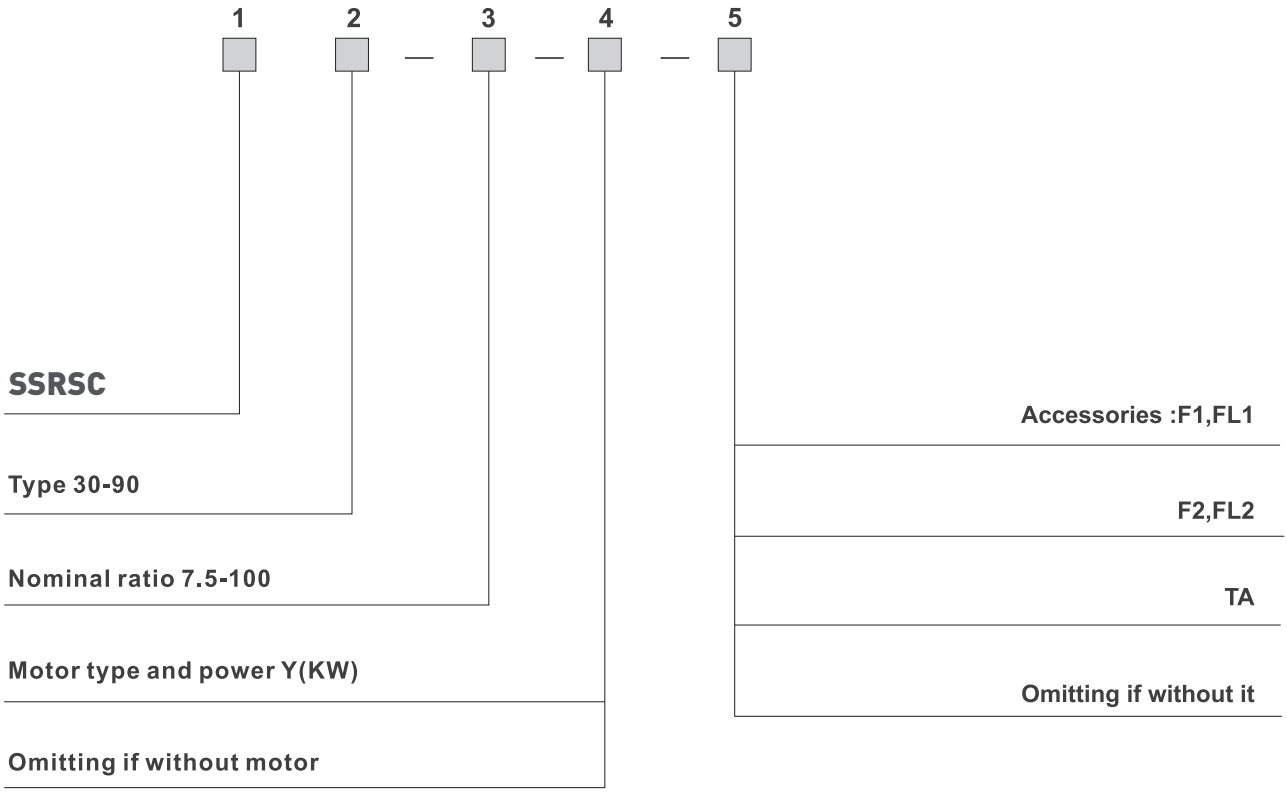


Product disassembly graph



	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** (1) 40 (2) i50 (3) PAM11/90 (4)

		56	63	71	80	90	100	112	132	160	180	200
PAM	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
0.06kW							
186.7	2.6	7.5	0.68	6.9			
140	3.4	10	0.75	5.4			
93.3	4.7	15	0.86	3.8			
70	6	20	0.94	3.0			
56	7	25	1.02	3.0	WMSS30	56B5/56B14	
46.7	8	30	1.08	2.5			
35	9.7	40	1.19	1.9			
28	11	50	1.28	1.5			
23.3	13	60	1.36	1.3			
17.5	14	80	1.5	0.9			
0.09kW							
186.7	3.9	7.5	0.68	4.6			
140	5	10	0.75	3.6			
93.3	7.1	15	0.86	2.5			
70	9	20	0.94	2.0			
56	10	25	1.02	2.0	WMSS30	56B5/56B14	
46.7	12	30	1.08	1.7			
35	14	40	1.19	1.2			
28	17	50	1.28	1.0			
23.3	19	60	1.36	0.9			
28	19	50	2.47	2.0			
23.3	21	60	2.63	1.7	WMSS40	56B5/56B14	
17.5	26	80	2.89	1.3			
14	29	100	3.11	1.0			
0.12kW							
186.7	5.2	7.5	0.68	3.4			
140	6.7	10	0.75	2.7			
93.3	9.5	15	0.86	1.9			
70	12	20	0.94	1.5	WMSS30	63B5/63B14	48C
56	14	25	1.02	1.5			
46.7	16	30	1.08	1.3			
35	19	40	1.19	0.9			
28	23	50	1.28	0.8			
46.7	17.2	30	2.08	2.6			
35	21	40	2.29	1.9			
28	25	50	2.47	1.5	WMSS40	63B5/63B14	56C
23.3	28	60	2.63	1.3			
17.5	34	80	2.89	1.0			
14	38	100	3.11	0.8			
23.3	29	60	3.61	2.3			
17.5	35	80	3.97	1.9	WMSS50	63B5/63B14	56C
14	40	100	4.28	1.4			
0.18kW							
186.7	7.8	7.5	0.68	2.3			
140	10	10	0.75	1.8			
93.3	14	15	0.86	1.3	WMSS30	63B5/63B14	48C
70	18	20	0.94	1.0			
56	21	25	1.02	1.0			
46.7	24	30	1.08	0.8			
70	19	20	1.82	2.0			
56	23	25	1.96	1.7	WMSS40	63B5/63B14	56C
46.7	26	30	2.08	1.7			

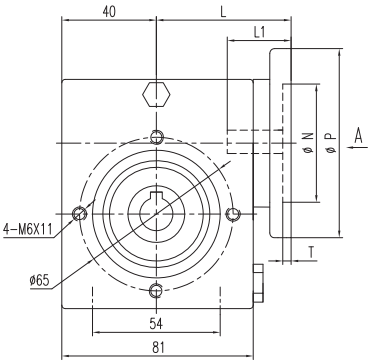
Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input
0.18kW							
35	32	40	2.29	1.3			
28	38	50	2.47	1.0	WMSS40	63B5/63B14	56C
23.3	43	60	2.63	0.8			
35	32	40	3.15	2.3			
28	39	50	3.39	1.9			
23.3	43	60	3.61	1.6	WMSS50	63B5/63B14	56C
17.5	52	80	3.97	1.2			
14	60	100	4.28	0.9			
0.25kW							
186.7	11	7.5	1.31	3.6			
140	14	10	1.44	2.8			
93.3	21	15	1.65	1.9			
70	27	20	1.82	1.5	WMSS40	71B5/71B14	56C
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			
56	32	25	2.69	2.2			
46.7	37	30	2.86	2.3			
35	46	40	3.15	1.7	WMSS50	71B5/71B14	56C
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			
23.3	63	60	4.71	2.0	WMSS63	71B5/71B14	56C
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			
140	21	10	1.44	1.9			
93.3	31	15	1.65	1.3	WMSS40	71B5/71B14	56C
70	39	20	1.82	1.0			
56	47	25	1.96	0.8			
46.7	53	30	2.08	0.8			
140	21	10	1.98	3.3			
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	WMSS50	71B5/71B14	56C
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			
28	83	50	4.44	1.6			
23.3	94	60	4.71	1.4	WMSS63	71B5/71B14	56C
17.5	115	80	5.19	1.1			
14	129	100	5.59	0.9			
0.55kW							
186.7	25	7.5	1.8	2.9			
140	32	10	1.98	2.2			
93.3	46	15	2.27	1.6	WMSS50	80B5/80B14	56C
70	59	20	2.5	1.2			

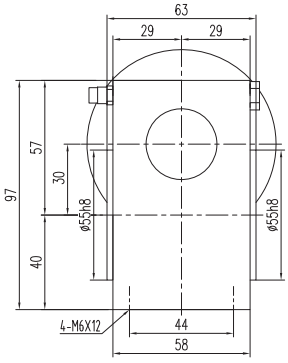
Parameter selections

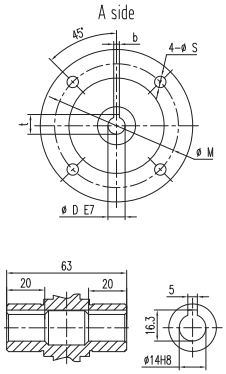
Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input
0.55kW							
56	71	25	2.69	1.0	WMSS50	80B5/80B14	56C
46.7	81	30	2.86	1.0			
35	80	40	3.15	0.9			
70	60	20	3.27	2.2	WMSS63	80B5/80B14	56C
56	73	25	3.52	1.8			
46.7	83	30	3.74	1.9			
35	105	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	WMSS50	80B5/80B14	56C
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	WMSS63	80B5/80B14	56C
70	83	20	3.27	1.6			
56	100	25	3.52	1.3			
46.7	114	30	3.74	1.4			
35	143	40	4.12	1.0			
56	102	25	4.16	2.0	WMSS75	80B5/80B14	145TC
46.7	117	30	4.42	2.0			
35	147	40	4.86	1.5			
28	177	50	5.24	1.2			
23.3	200	60	5.56	1.0			
28	184	50	5.79	1.8	WMSS90	80B5/80B14	145TC
23.3	212	60	6.16	1.5			
17.5	258	80	6.78	1.1			
14	302	100	7.3	0.9			
1.1kW							
186.7	49	7.5	2.35	2.6	WMSS63	90B5/90B14	56C/ 145TC
140	65	10	2.59	2.0			
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	1.0			
35	165	40	3.59	0.9			
93.3	95	15	3.5	2.1	WMSS75	90B5/90B14	56C/ 145TC
70	123	20	3.86	1.7			
56	150	25	4.16	1.3			
46.7	171	30	4.42	1.3			
35	216	40	4.86	1.0			
28	264	50	4.6	0.9			
23.3	223	60	4.89	0.8			
35	225	40	5.38	1.6	WMSS90	90B5/90B14	56C/ 145TC
28	270	50	5.79	1.3			
23.3	311	60	6.16	1.0			
17.5	328	80	6.17	0.9			

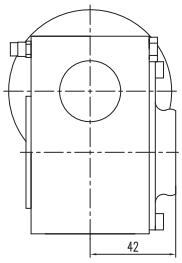
Output speed r/min	Output torque Nm	Transmission ratio i	Output radial force kN	fs	Model code	IEC input	NEMA input
1.5kW							
186.7	67	7.5	2.35	1.9	WMSS63	90B5/90B14	145TC
140	89	10	2.59	1.5			
93.3	127	15	2.97	1.1			
70	166	20	3.27	0.8			
140	90	10	3.06	2.2	WMSS75	90B5/90B14	145TC
93.3	130	15	3.5	1.5			
70	168	20	3.86	1.3			
56	205	25	4.16	1.0			
46.7	233	30	4.42	1.0			
70	171	20	4.27	2.1	WMSS90	90B5/90B14	145TC
56	210	25	4.6	1.6			
46.7	239	30	4.89	1.7			
35	307	40	5.38	1.2			
28	368	50	5.79	0.9			
23.3	424	60	6.16	0.8			
2.2kW							
186.7	100	7.5	2.78	1.8	WMSS75	100B5/100B14	180TC
140	132	10	3.06	1.5			
93.3	191	15	3.5	1.0			
70	240	20	3.38	0.9			
56	256	25	3.58	0.8			
46.7	269	30	3.89	0.8			
186.7	101	7.5	3.08	2.9	WMSS90	100B5/100B14	180TC
140	134	10	3.39	2.3			
93.3	194	15	3.88	1.9			
70	252	20	4.27	1.4			
56	308	25	4.6	1.1			
46.7	351	30	4.89	1.2			
35	433	40	4.9	1.0			
28	393	50	5.28	0.9			
3kW							
186.7	136	7.5	2.78	1.4	WMSS75	112B5/112B14	180TC
140	180	10	3.06	1.1			
93.3	261	15	3.5	0.8			
186.7	138	7.5	3.08	2.1	WMSS90	112B5/112B14	180TC
140	182	10	3.39	1.7			
93.3	264	15	3.88	1.4			
70	344	20	4.27	1.0			
56	420	25	4.6	0.8			
46.7	479	30	4.89	0.9			
4kW							
186.7	182	7.5	2.44	1.0	WMSS75	112B5/112B14	180TC
140	240	10	3.06	0.8			
186.7	184	7.5	3.08	1.6	WMSS90	112B5/112B14	180TC
140	243	10	3.39	1.3			
93.3	352	15	3.88	1.0			
70	458	20	4.27	0.8			

SSRSC30 Installation dimensions

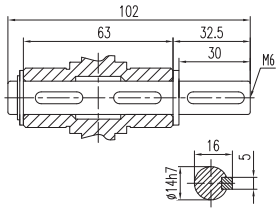




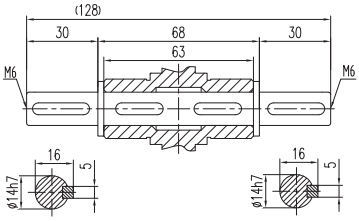




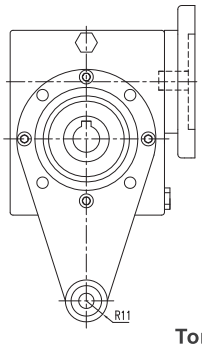
Safety cover

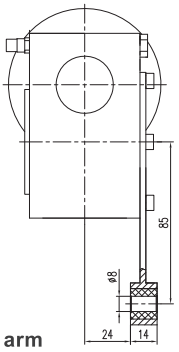


Single output shaft



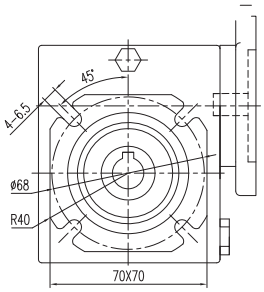
Double output shaft

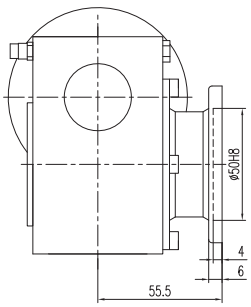


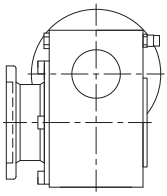


Torque arm

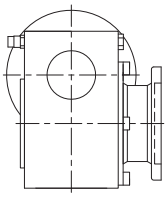
Output flange mounting dimensions







F2

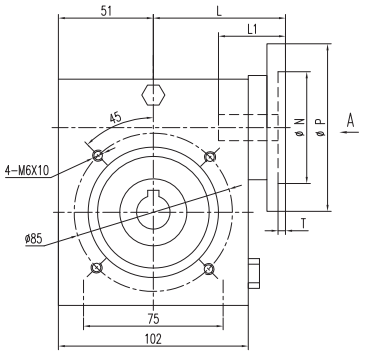


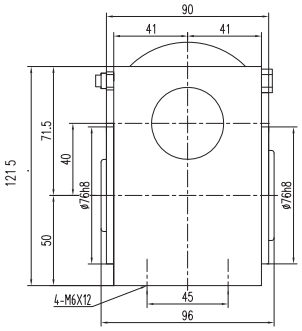
F1

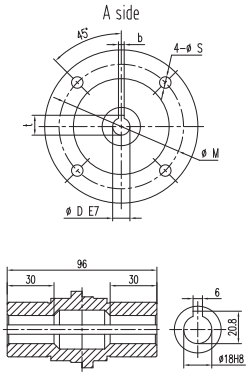
Motor flange mounting dimensions

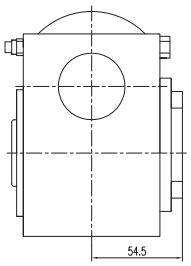
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
56B5	ϕ9	3	10.4	80	65	50	7	3.5	55	21
56B14	ϕ9	3	10.4	120	100	80	5.5	3.5	55	21
63B5	ϕ11	4	12.8	90	75	60	9	3.5	55	24
63B14	ϕ11	4	12.8	140	115	95	5.5	3.5	55	24
56C	ϕ15.88	4.78	18.11	165	149.3	114.3	10.5	5	76	53

SSRSC40 Installation dimensions

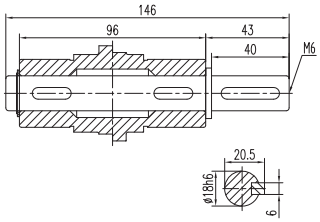




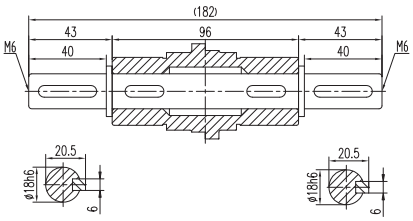




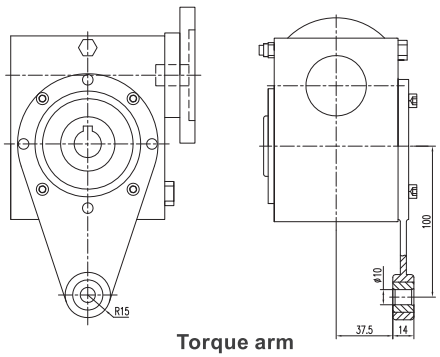
Safety cover



Single output shaft

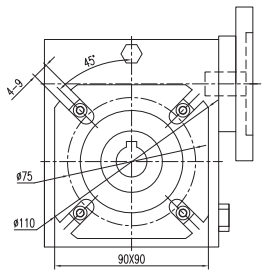


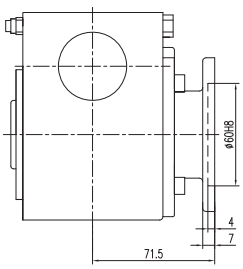
Double output shaft

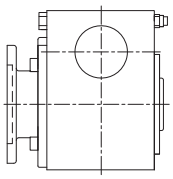


Torque arm

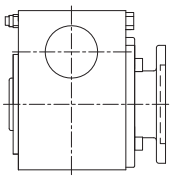
Output flange mounting dimensions







F2

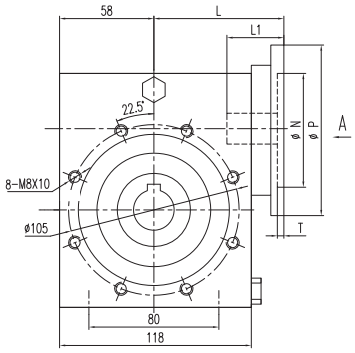


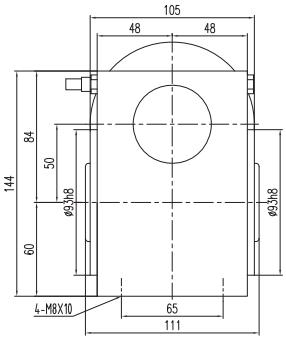
F1

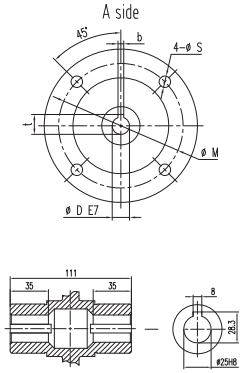
Motor flange mounting dimensions

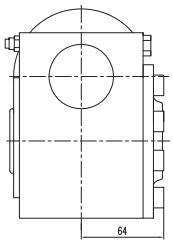
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
56B5	ϕ9	3	10.4	120	100	80	7	3.5	70	21
63B5	ϕ11	4	12.8	140	115	95	9	3.5	70	24
63B14	ϕ11	4	12.8	90	75	60	5.5	5	70	24
71B5	ϕ14	5	16.3	160	130	110	9	4	70	31
71B14	ϕ14	5	16.3	105	85	70	7	3	70	31
56C	ϕ15.88	4.78	18.11	165	149.3	114.3	10.5	5	87	53

SSRSC 50 Installation dimensions

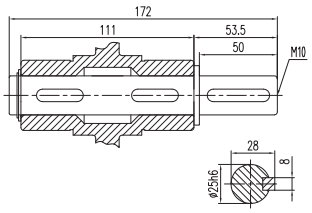




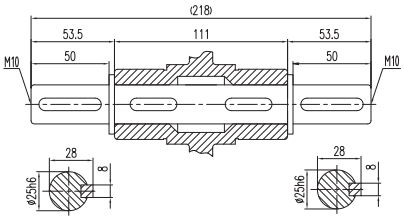




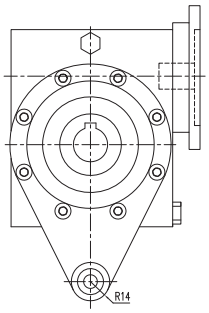
Safety cover

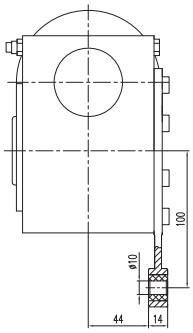


Single output shaft



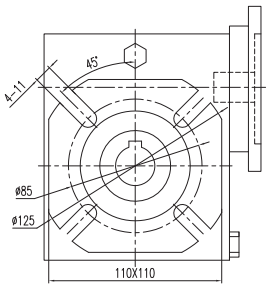
Double output shaft

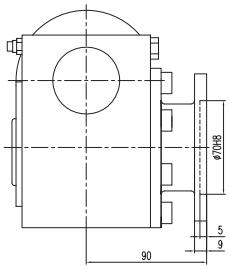


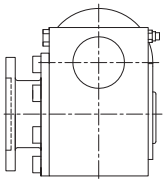


Torque arm

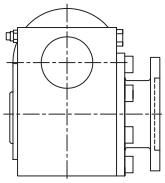
Output flange mounting dimensions







F2

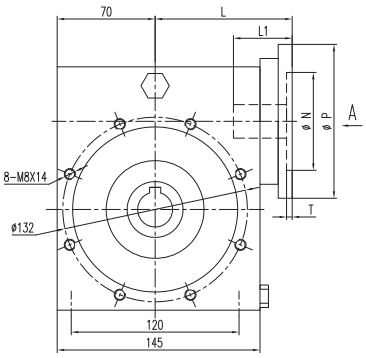


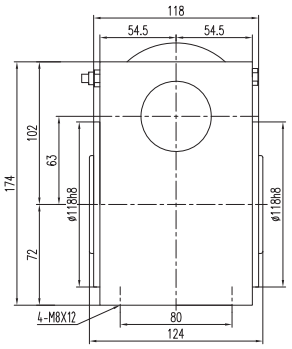
F1

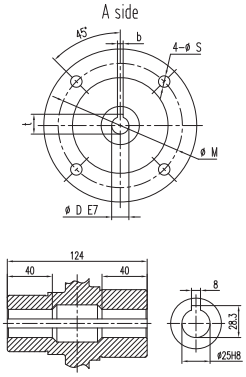
Motor flange mounting dimensions

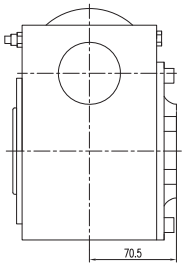
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
63B5	ϕ11	4	12.8	140	115	95	9	4	79	24
63B14	ϕ11	4	12.8	90	75	60	5.5	6	79	24
71B5	ϕ14	5	16.3	160	130	110	9	4	79	31
71B14	ϕ14	5	16.3	105	85	70	6.6	6	79	31
80B5	ϕ19	6	21.8	200	165	130	11	4	79	41
80B14	ϕ19	6	21.8	120	100	80	7	4	80	41
56C	ϕ15.88	4.78	18.11	165	149.3	114.3	10.5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

SSRSC63 Installation dimensions

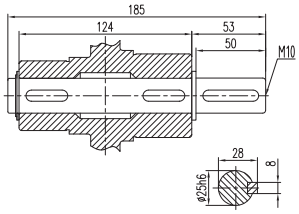




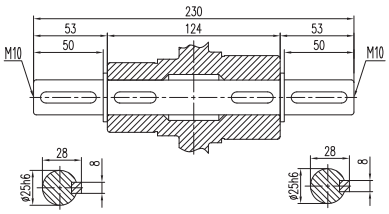




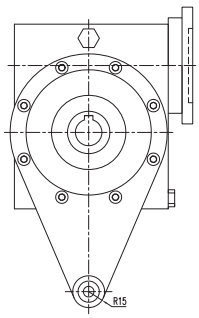
Safety cover

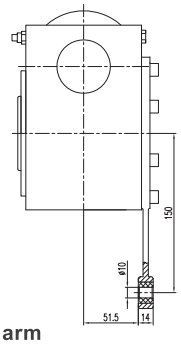


Single output shaft



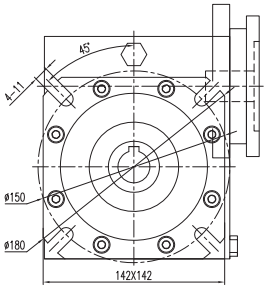
Double output shaft

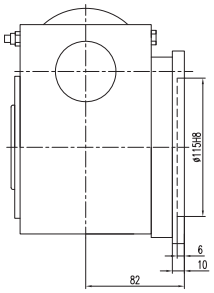


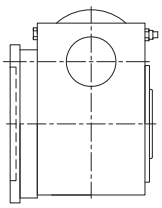


Torque arm

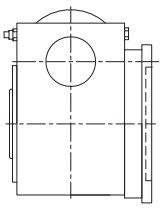
Output flange mounting dimensions







F2

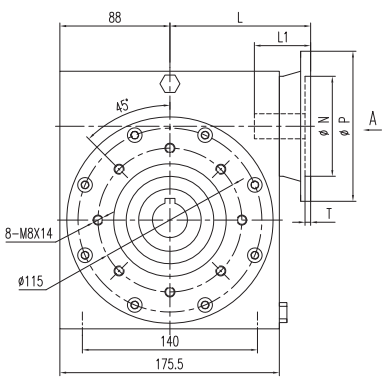


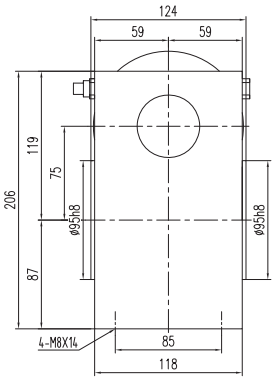
F1

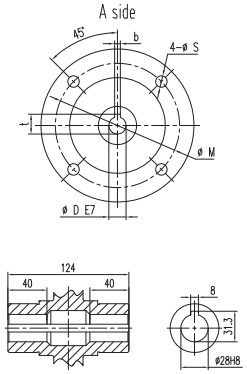
Motor flange mounting dimensions

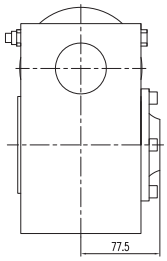
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
71B5	ϕ14	5	16.3	160	130	110	9	4	96	31
71B14	ϕ14	5	16.3	105	85	70	6.6	6	96	31
80B5	ϕ19	6	21.8	200	165	130	11	4	96	41
80B14	ϕ19	6	21.8	120	100	80	7	4	96	41
90B5	ϕ24	8	27.3	200	165	130	11	4	96	51
90B14	ϕ24	8	27.3	140	115	95	9	4	96	51
56C	ϕ15.88	4.78	18.11	165	149.3	114.3	10.5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

SSRSC75 Installation dimensions

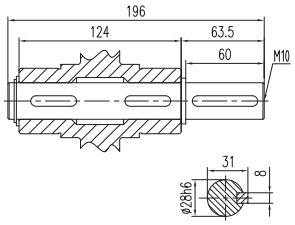




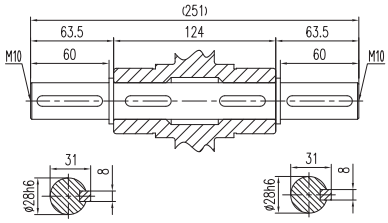




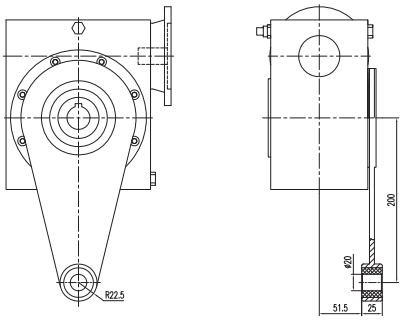
Safety cover



Single output shaft

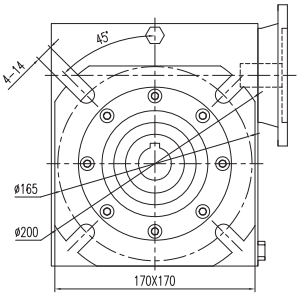


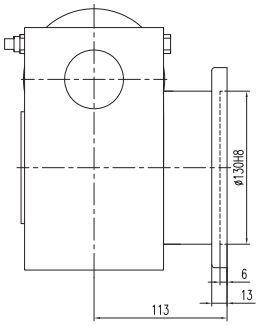
Double output shaft

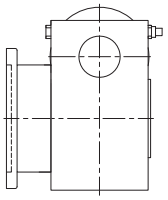


Torque arm

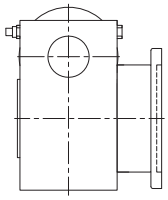
Output flange mounting dimensions







F2

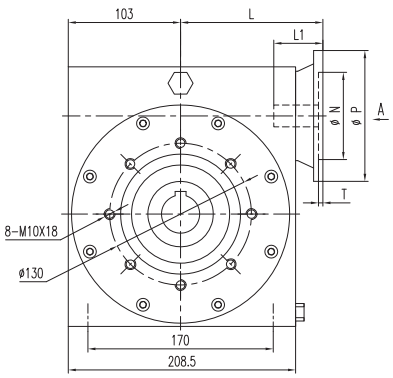


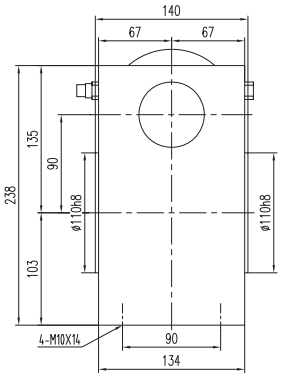
F1

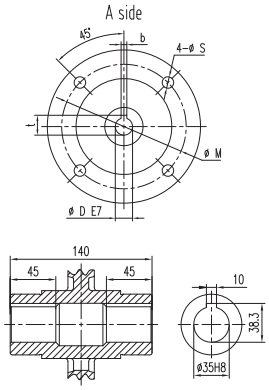
Motor flange mounting dimensions

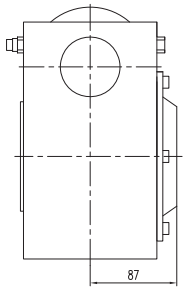
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
80B5	ϕ19	6	21.8	200	165	130	11	6	112.5	41
80B14	ϕ19	6	21.8	120	100	80	6.6	6	112.5	41
90B5	ϕ24	8	27.3	200	165	130	11	6	112.5	51
90B14	ϕ24	8	27.3	140	115	95	9	6	112.5	51
100/112B5	ϕ28	8	31.3	250	215	180	14	6	112.5	61
100/112B14	ϕ28	8	31.3	160	130	110	9	6	112.5	61
56C	ϕ15.88	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

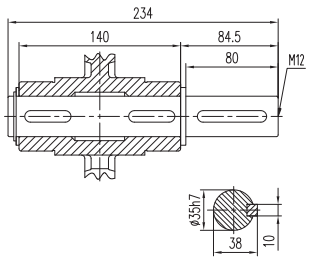




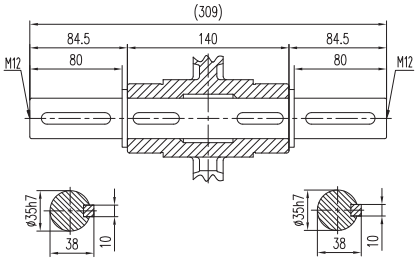




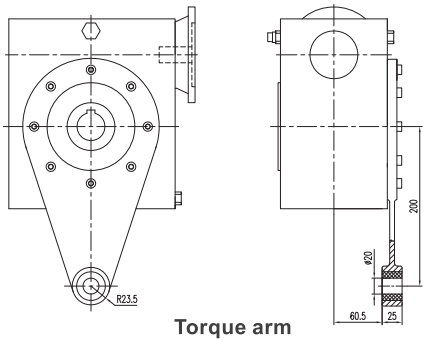
Safety cover



Single output shaft

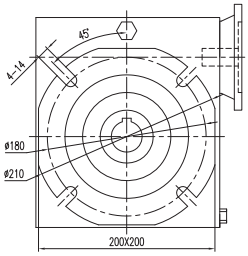


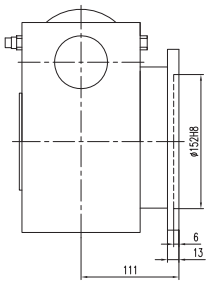
Double output shaft

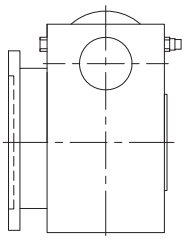


Torque arm

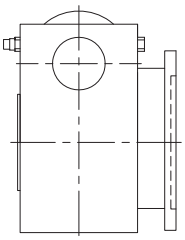
Output flange mounting dimensions







F2

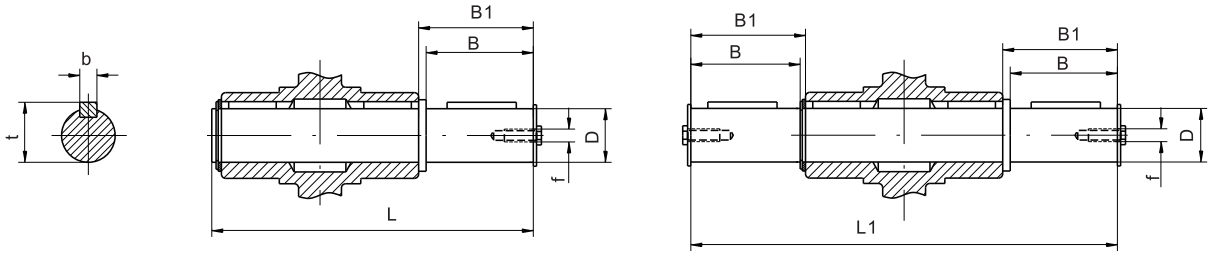


F1

Motor flange mounting dimensions

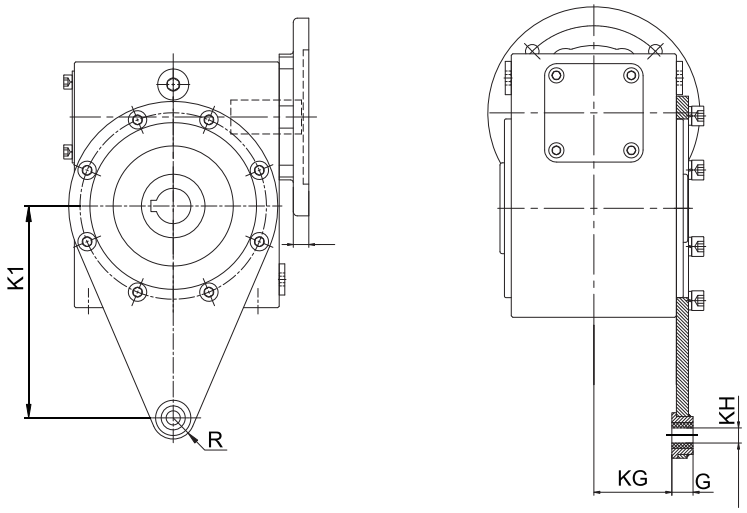
IEC	D (E7)	b	t	P	M	N	S	T	L	L1
80B5	ϕ19	6	21.8	200	165	130	11	6	129.5	41
80B14	ϕ19	6	21.8	120	100	80	6.6	6	129.5	41
90B5	ϕ24	8	27.3	200	165	130	11	6	129.5	51
90B14	ϕ24	8	27.3	140	115	95	9	6	129.5	51
100/112B5	ϕ28	8	31.3	250	215	180	14	6	129.5	61
100/112B14	ϕ28	8	31.3	160	130	110	9	6	129.5	61
56C	ϕ15.88	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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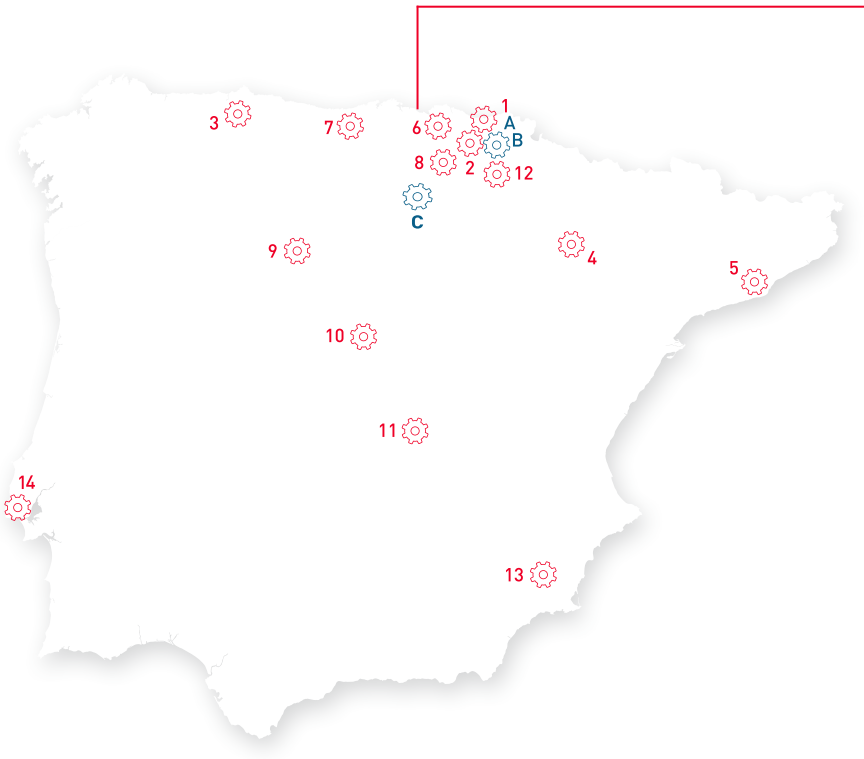

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