

SIJIE INDUSTRIAL CO., LTD

Screw Jack, Bevel Gearbox Manufacturer

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SJV-Series Bevel Gearbox information

1. Models: SJV90, SJV110, SJV140, SJV170, SJV210, SJV240, SJV280.

2. Gearing Type: Spiral Bevel Gear

3. Gear Ratio: 1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1

4. Efficiency: 95%-98%

8. Drive Shaft: 2 way, 3 way, 4 way

9. Noise Level: less than 75dB

10. Temperature Level: less than 50 °C

11. Work Temperature: -20°C~+80°C

12. Rotate Direction: clockwise, anti-clockwise

SJV-Series Bevel Gearbox Pictures:





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SJV-Series Bevel Gearbox Specifications:

Model	Input Speed (RPM)	Gear Ratio 1:1		Gear Ratio 2:1		Gear Ratio 3:1		Gear Ratio 4:1		Gear Ratio 5:1	
		Power	Torque	Power	Torque	Power	Torque	Power	Torque	Power	Torque
		(KW)	(N.m)	(KW)	(N.m)	(KW)	(N.m)	(KW)	(N.m)	(KW)	(N.m)
SJV-090	2000	7.55	33.6	4.2	38.57	2.85	40.39	2.15	39.76	1.4	34.56
	1500	6	38.2	3.35	42.66	2.2	42.02	1.65	42.02	1.1	35.02
	1000	4.3	41.07	2.35	44.89	1.5	43.02	1.15	43.93	0.75	35.81
	750	3.4	43.29	1.8	45.84	1.2	45.84	0.87	44.19	0.58	36.93
SJV-110	2000	13.8	63	7.9	72	5.6	80	3.75	70.1	2.95	71.3
	1500	11	70	6.3	80.2	4.45	85	2.9	73.9	2.35	74.8
	1000	7.87	75	4.45	85	3.1	88.8	2	76.4	1.6	76.4
	750	6.15	78.3	3.45	87.9	2.4	91.7	1.55	78.9	1.25	79.6
SJV140	2000	29.9	128.6	14.1	133.3	10.1	136.8	6.8	125.3	5.05	115.2
	1500	23.9	152.2	11.1	141.3	7.95	151.8	5.3	135	3.95	125.7
	1000	17.2	164.3	7.85	149.9	5.6	160.4	3.75	143.3	2.75	131.3
	750	13.4	170.6	6.2	157.9	4.4	168.1	2.95	150.3	2.1	133.7
SJV-170	2000	49.2	180.1	26.2	224.7	18.2	235.2	10.5	179.5	8.05	170.9
	1500	39.3	250.2	20.8	264.9	14.4	275	8.4	213.9	6.45	205.3
	1000	28.8	275	14.9	284.6	10.1	289.4	5.9	225.4	4.5	214.9
	750	22.8	290.3	11.6	295.4	7.8	298	4.55	231.7	3.45	219.7
SJV-210	2000	84	336.7	52.4	480.2	34.9	428.3	23.3	417.6	15.9	350.2
	1500	67.5	429.8	43.2	550.1	27.7	529.1	18.5	471.1	12.7	404.3
	1000	50.5	482.3	31.4	599.7	20	573	13.4	511.9	9	429.8
	750	40.8	519.5	25.2	641.8	15.7	599.7	10.4	529.7	6.95	442.5
SJV-240	2000	111	475.8	71.5	643.7	52.4	695.2	37.7	652.3	28.9	643.8
	1500	90.5	576.2	58.5	744.9	41.9	800.3	30.2	769.1	23.4	744.9
	1000	68	649.4	41.9	800.3	30.2	865.2	21.7	828.9	16.4	783.1
	750	54.5	694	33.8	860.8	23.6	901.5	17.1	871	13	827.7
SJV-280	2000	168	837.5	107	961.4	73	957	47.6	870.4	39.4	890.5
	1500	156	993.2	88	1121	58.5	1117	38.5	980.5	31.4	999.6
	1000	115	1098	64.5	1232	42.4	1215	27.5	1051	22.4	1070
	750	94.2	1199	51	1299	33.5	1280	21.7	1105	17.7	1127

Bevel Gearbox Ordering Information:

SJV280 – 1:1 – 1500R – 1500R – I-LR – A
1 2 3 4 5 6

1: Gearbox model

SJV90, SJV110, SJV140, SJV170, SJV210, SJV240, SJV280.

2: Gear Ratio

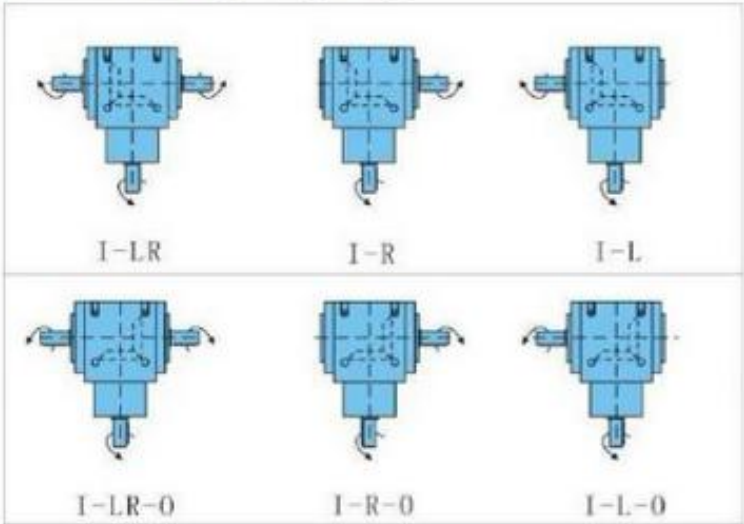
Gear ratios such as 1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1, custom other gear ratios.

3 & 4. Input & Output RPM

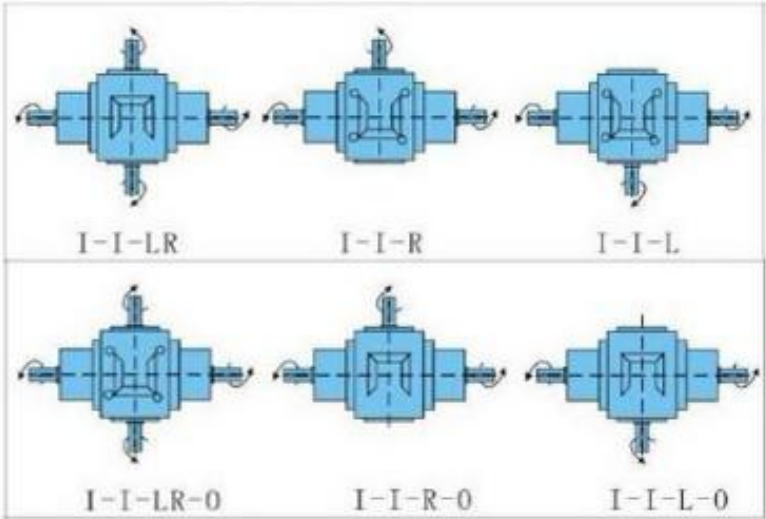
Input speed	1500rpm	1000rpm	750rpm	500rpm	250rpm	50rpm
Gear Ratio	1:1					
Output speed	1500rpm	1000rpm	750rpm	500rpm	250rpm	50rpm
Gear Ratio	1.5:1					
Output speed	1000rpm	667rpm	500rpm	333rpm	167rpm	33rpm
Gear Ratio	2:1					
Output speed	750rpm	500rpm	375rpm	250rpm	125rpm	25rpm
Gear Ratio	3:1					
Output speed	500rpm	333rpm	250rpm	167rpm	83rpm	17rpm
Gear Ratio	4:1					
Output speed	375rpm	250rpm	187rpm	125rpm	62.5rpm	12.5rpm
Gear Ratio	5:1					
Output speed	300rpm	200rpm	150rpm	100rpm	50rpm	10rpm

5: Rotate directions:

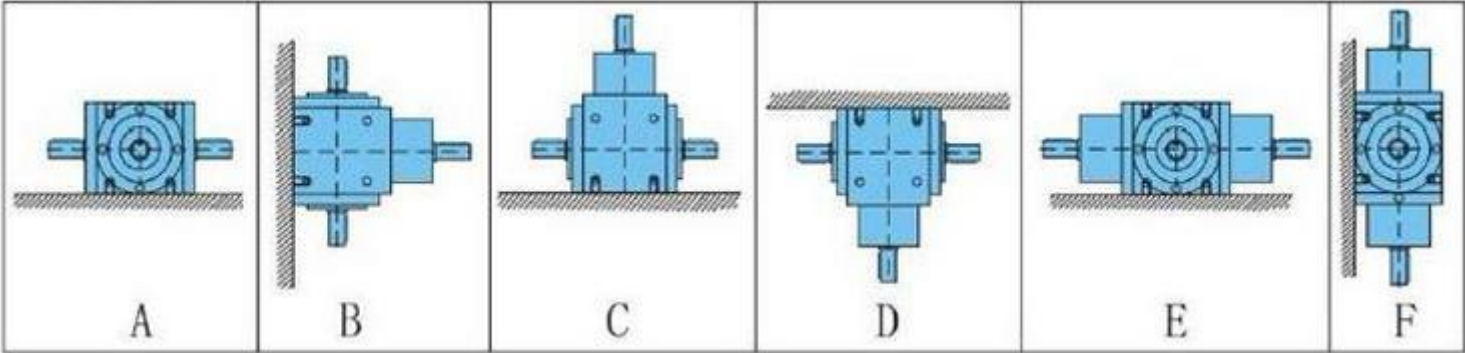
Rotate Directions (2 way,3 way)

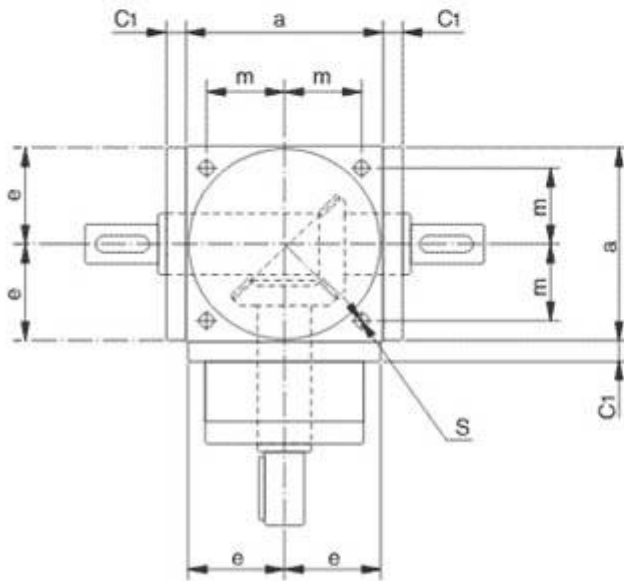
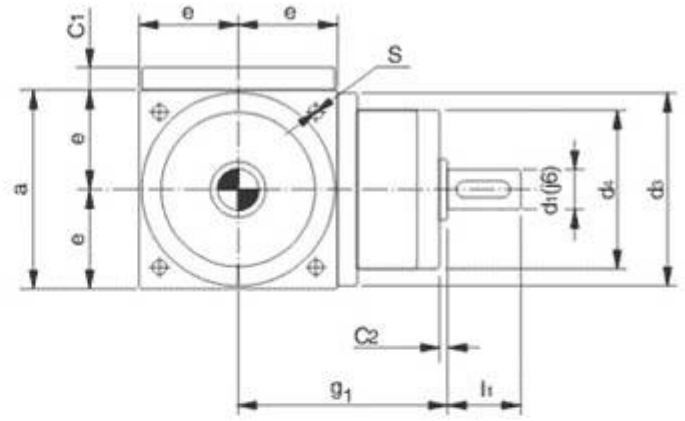
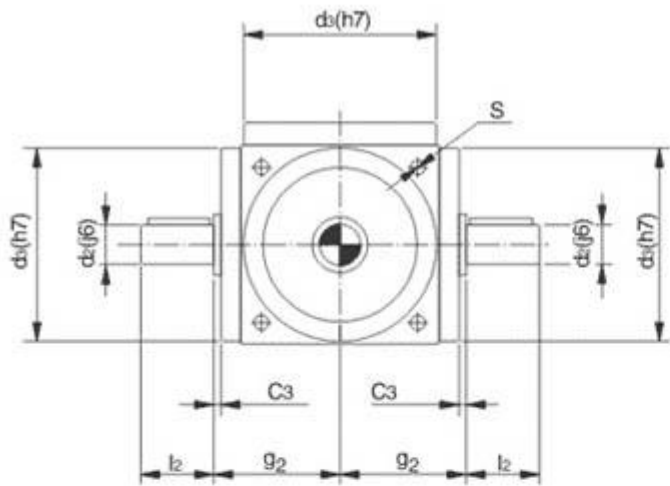


Rotate Directions (3 way,4 way)



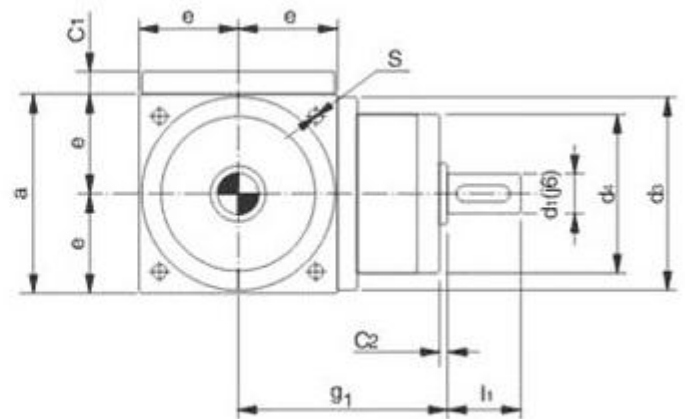
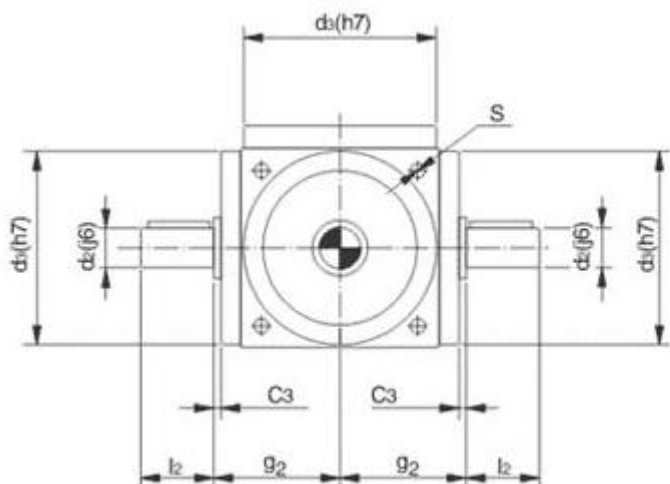
6: Installation:

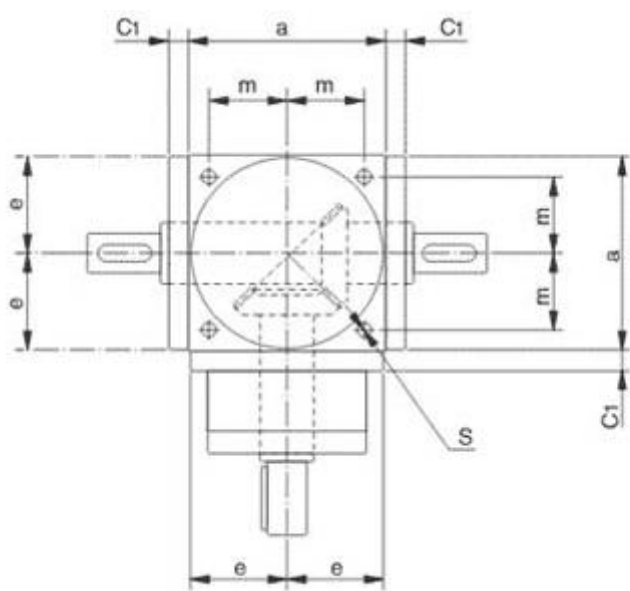




a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
110	12	2	2	22	40	108	55	112	69	44	M8	22	40	20	35	16	30	14	25	81	72

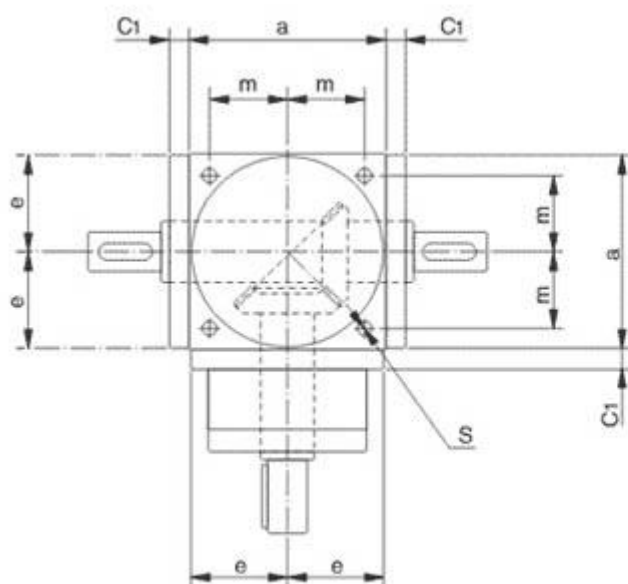
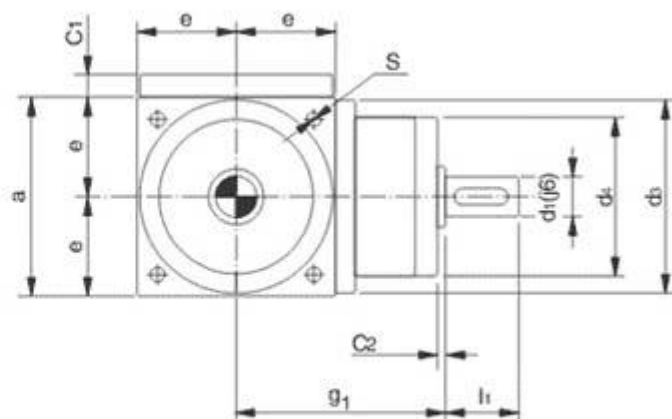
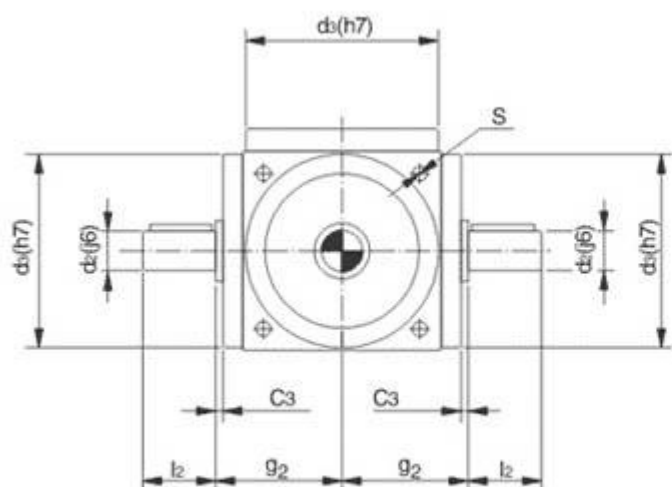
SJV140 Miter Gearbox Dimensions:





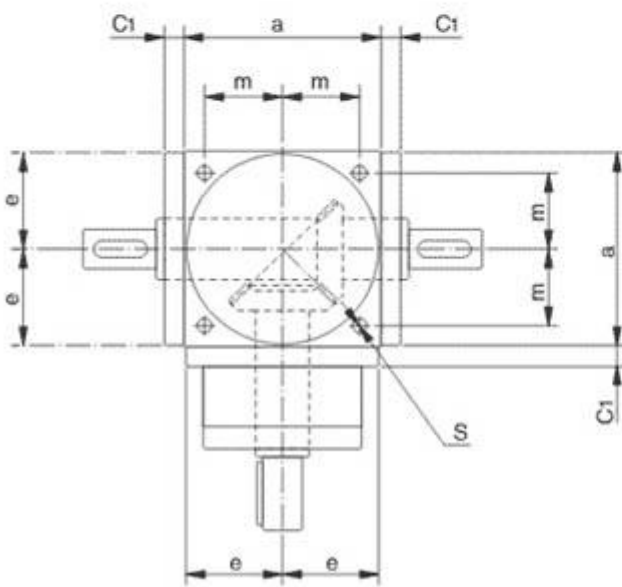
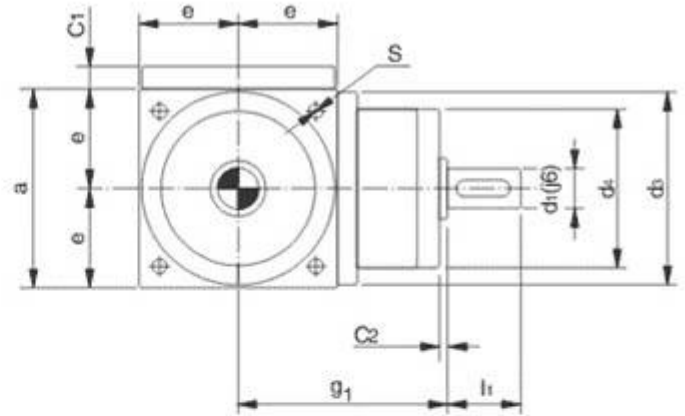
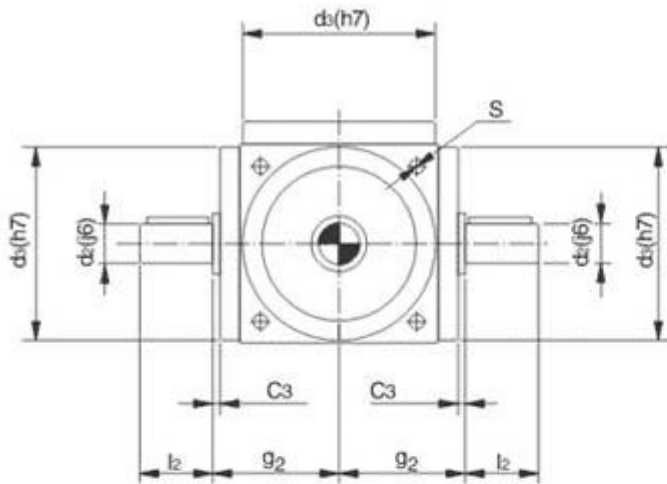
a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
140	15	2	2	32	50	135	70	157	84	55	M10	32	50	26	45	20	35	16	30	98	81

SJV170 Miter Gearbox Dimensions:



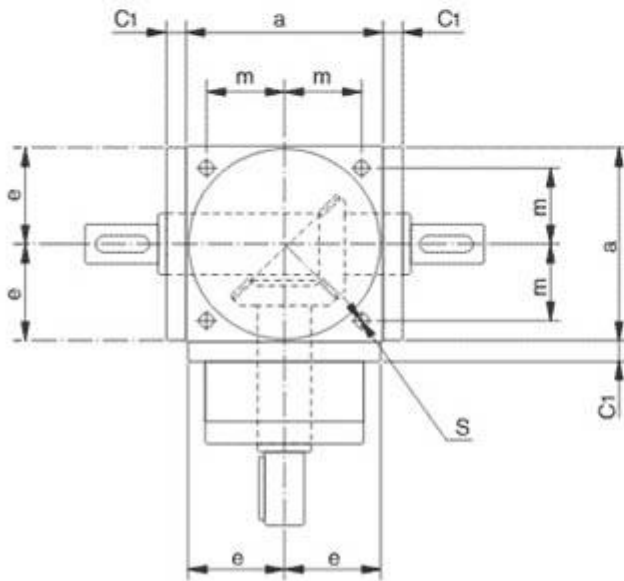
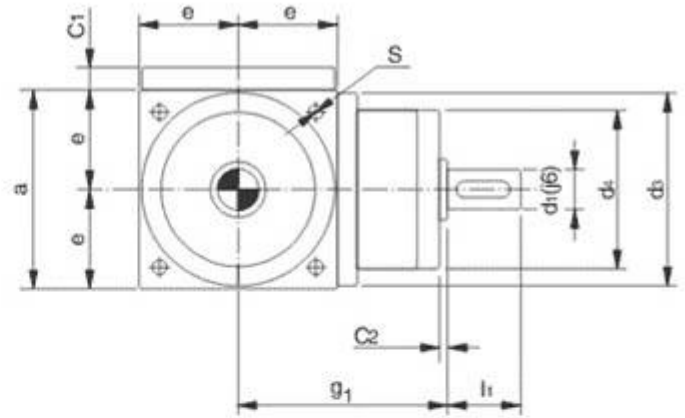
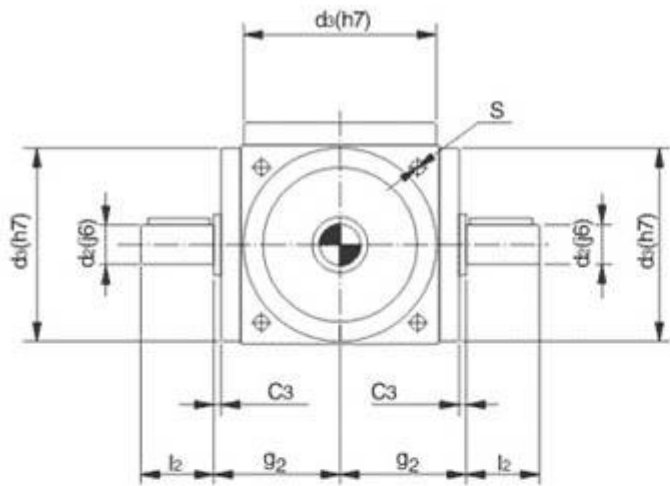
a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
170	15	2	3	40	60	165	85	181	103	67	M12	40	60	32	50	26	45	22	40	118	98

SJV210 Miter Gearbox Dimensions:



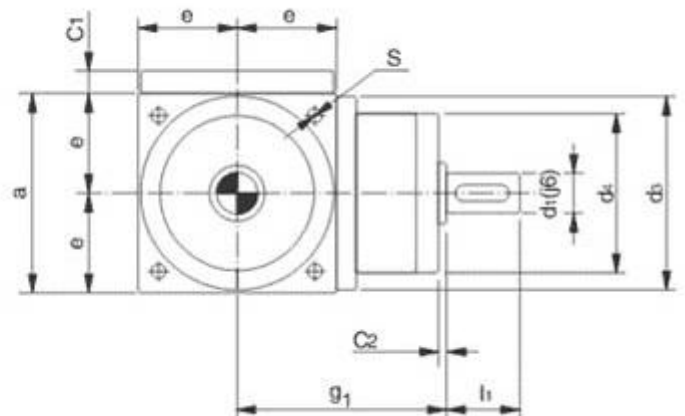
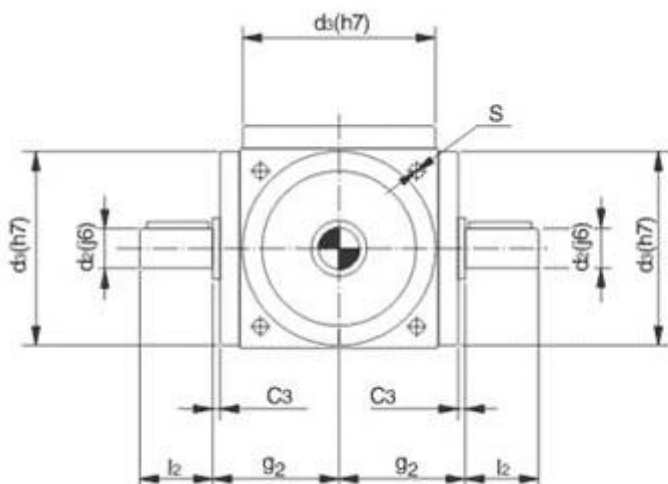
a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
210	20	2	2	45	70	205	105	230	130	85	M16	45	70	45	70	32	50	30	50	128	110

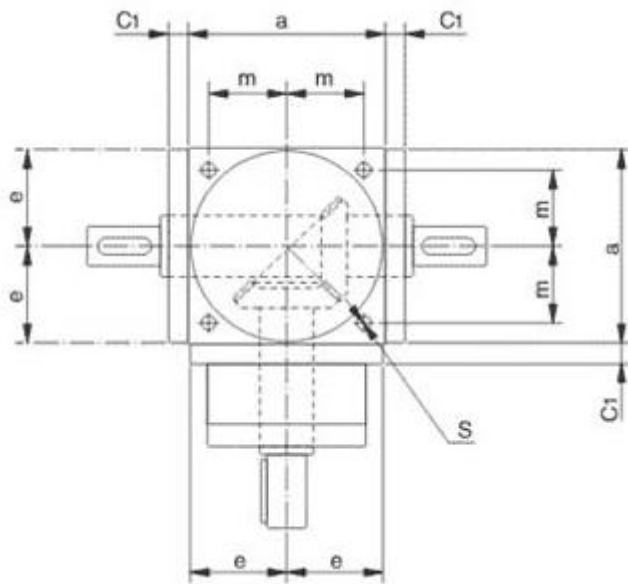
SJV240 Miter Gearbox Dimensions:



a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
240	22	2	2	48	85	235	120	280	145	95	M16	48	85	48	65	38	55	35	55	138	120

SJV280 Miter Gearbox Dimensions:





a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	s	i=1-2		i=3		i=4		i=5		i=1-3	i=4-5
												d1	l1	d1	l1	d1	l1	d1	l1	d4	d4
280	22	2	2	60	110	275	140	280	160	110	M16	60	110	50	80	45	70	42	70	150	135