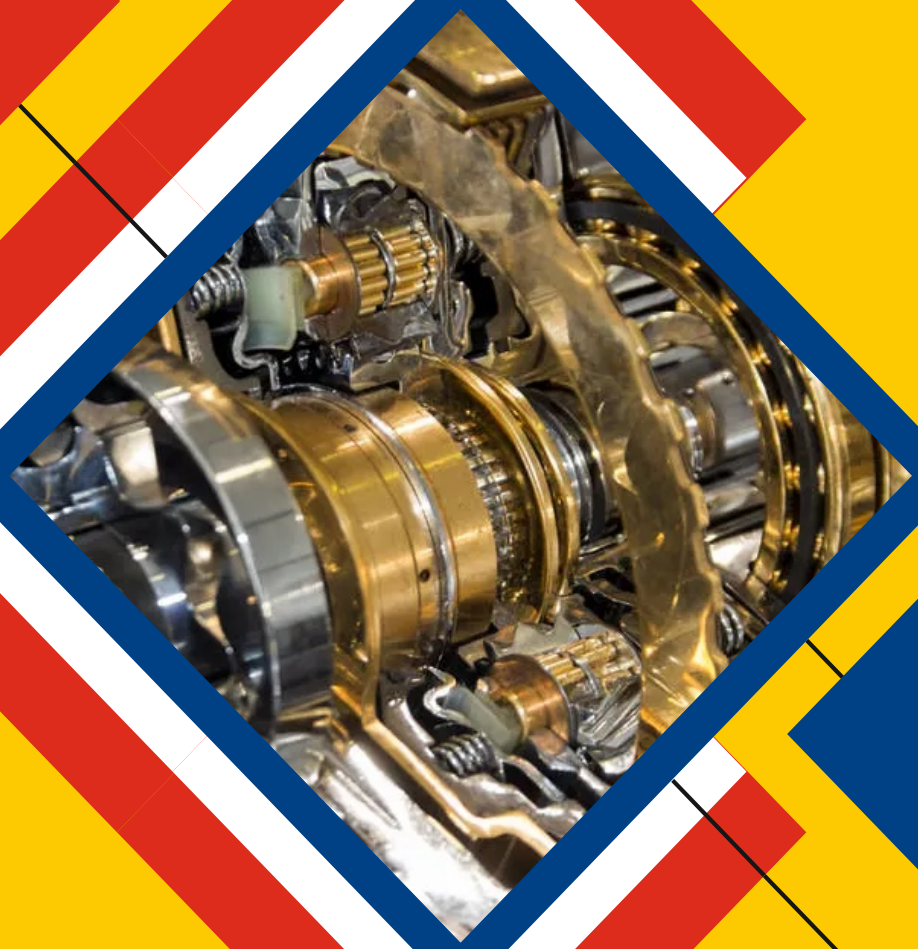
REDOVIC



- RACK & PINION
- COUPLINGS
- GEAR BOXES
- AC & DC GEAR MOTORS

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www.redovic.com

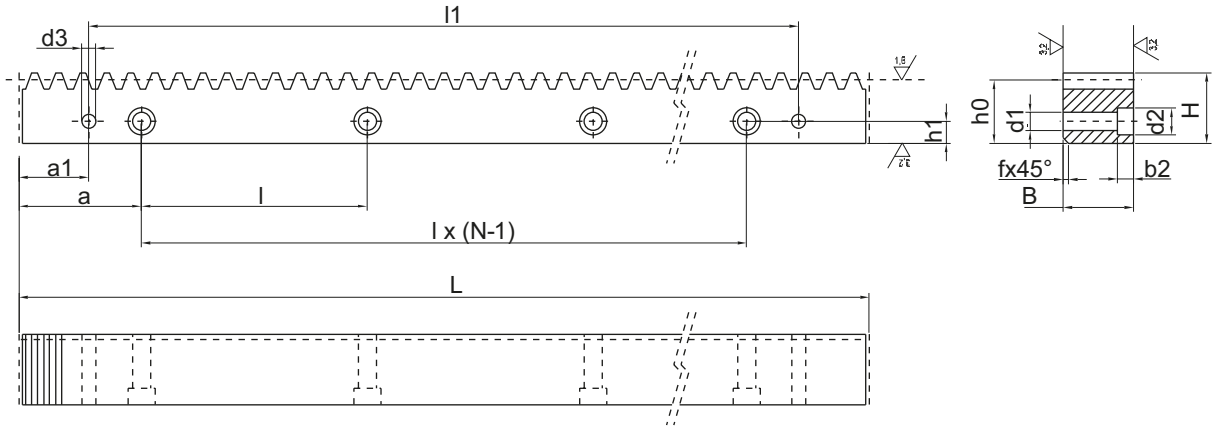
ABOUT US

Redovic is in the pursuit of constant innovation and breakthrough to power transmission technology.Our products are with the spirit that blends the aesthetic and rigidity for magnificence and performance. Redovic products are designed in accordance with international standard specifications of Deutsches Institut für Normung (DIN), ISO and Japanese Industrial Standards (JIS). Each component is secured to meet the standards via the precision instruments to maximize the potency of the product. The high-quality is accomplished by the teamwork committed to details. Our team is full of passion and up to date with the technology advancements of power transmission industry.Redovic develop and manufacture Planetary gear boxes, Rack & pinion, Geared motors and couplings.Redovic planetary gear reducer has helical gears which are designed for smooth and quiet operation. And racks are produced with European high-tech heat treatment equipment to deliver the hardened racks with precision quality. In couplings we have zero-backlash Oldham, Radial beam, Disk and Jaw type couplings.

INDEX

Gear rack with modular pitch
precision milled straight toothing

Quality:	DIN 8 e 27
Material:	40CROMU4 (Alloyed Material)
Toothing execution:	toothing finished with tooling.
Toothing specifications:	pressure angle ¤20°; Helix angle ß=0° Helix direction= /
Fp total pitch error:	depending on rack length (see table)



All amounts are expressed in [mm]

Code	mod.	p_t	L	Z	B	H	h0	f	a	l	N	h1	d2	d1	b2	a1	l1	d3	Fp	kg
C150106NSF	1,50	4,712	499,5	106	20	19	17,5	2	62,44	124,88	4	8	11,0	7,0	7	29,00	441,5	5,7	0,100	1,4
C150212NSF	1,50	4,712	999	212	20	19	17,5	2	62,44	124,88	8	8	11,0	7,0	7	29,00	941,0	5,7	0,150	2,7
C200080NSF	2,00	6,283	502,6	80	25	24	22,0	2	62,83	125,66	4	8	11,0	7,0	7	31,30	440,1	5,7	0,100	2,2
C200160NSF	2,00	6,283	1005,3	160	25	24	22,0	2	62,83	125,66	8	8	11,0	7,0	7	31,30	942,7	5,7	0,150	4,3
C250064NSF	2,50	7,854	502,6	64	25	24	21,5	2	62,83	125,66	4	9	11,0	7,0	7	31,30	440,1	5,7	0,100	2,1
C250128NSF	2,50	7,854	1005,3	128	25	24	21,5	2	62,83	125,66	8	9	11,0	7,0	7	31,30	942,7	5,7	0,150	4,2
C300054NSF	3,00	9,425	508,9	54	30	29	26,0	2	63,62	127,23	4	9	14,0	9,0	9	34,40	440,1	7,7	0,100	3,1
C300108NSF	3,00	9,425	1017,8	108	30	29	26,0	2	63,62	127,23	8	9	14,0	9,0	9	34,40	949,1	7,7	0,150	6,2
C400040NSF	4,00	12,566	502,6	40	40	39	35,0	2	62,83	125,66	4	12	14,0	9,0	9	37,50	427,7	7,7	0,100	5,5
C400080NSF	4,00	12,566	1005,3	80	40	39	35,0	2	62,83	125,55	8	12	14,0	9,0	9	37,50	930,3	7,7	0,150	11,1
C500032NSF	5,00	15,708	502,6	32	50	39	34,0	3	62,83	125,66	4	12	20,0	14,0	13	30,20	442,3	11,7	0,100	6,7
C500064NSF	5,00	15,708	1005,3	64	50	39	34,0	3	62,83	125,66	8	12	20,0	14,0	13	30,20	944,9	11,7	0,150	13,4
C600027NSF	6,00	18,850	508,9	27	60	49	43,0	3	63,62	127,23	4	16	26,0	18,0	17	31,40	446,1	15,7	0,100	10,3
C600054NSF	6,00	18,850	1017,8	54	60	49	43,0	3	63,62	127,23	8	16	26,0	18,0	17	31,40	955,0	15,7	0,150	20,6

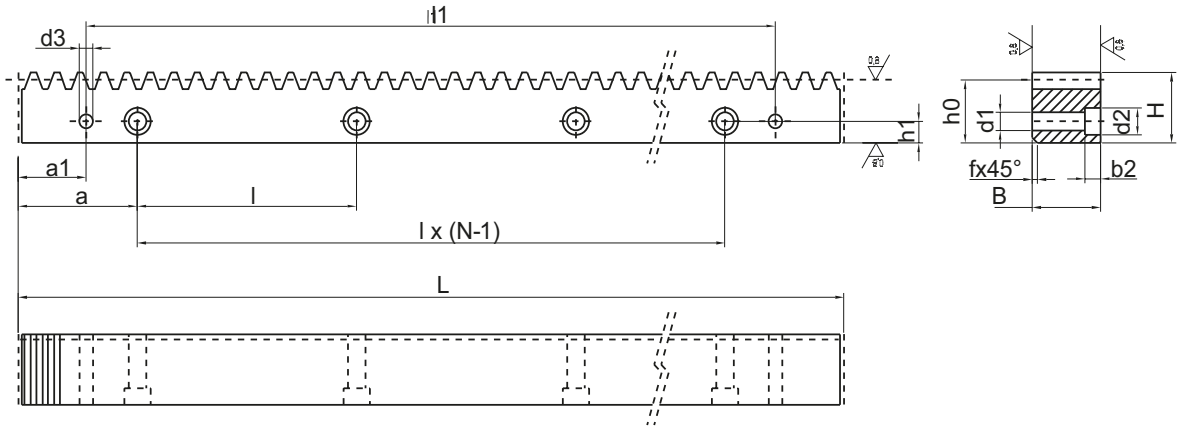
p^t: tangent pitch Z: number of teeth N: number of holes d_3: predrilled holes for pin

please note: An assembly rack (available separately) is required upon installation to enable correct positioning of two consecutive gear racks. – The pinion can be provided upon request.

Gear rack with modular pitch

hardened and ground straight toothing

Quality:	DIN 5h 22
Material:	40CROMU4 (Alloyed Material)
Toothing execution:	induction hardening and ground HRC 54-58
Toothing specifications:	pressure angle ¤20°; Helix angle ß=0° Helix direction= /
f_p single pitch error:	module<3,0:0,006/module≥3,0:0,008
Fp total pitch error:	depending on rack length (see table)



All amounts are expressed in [mm]

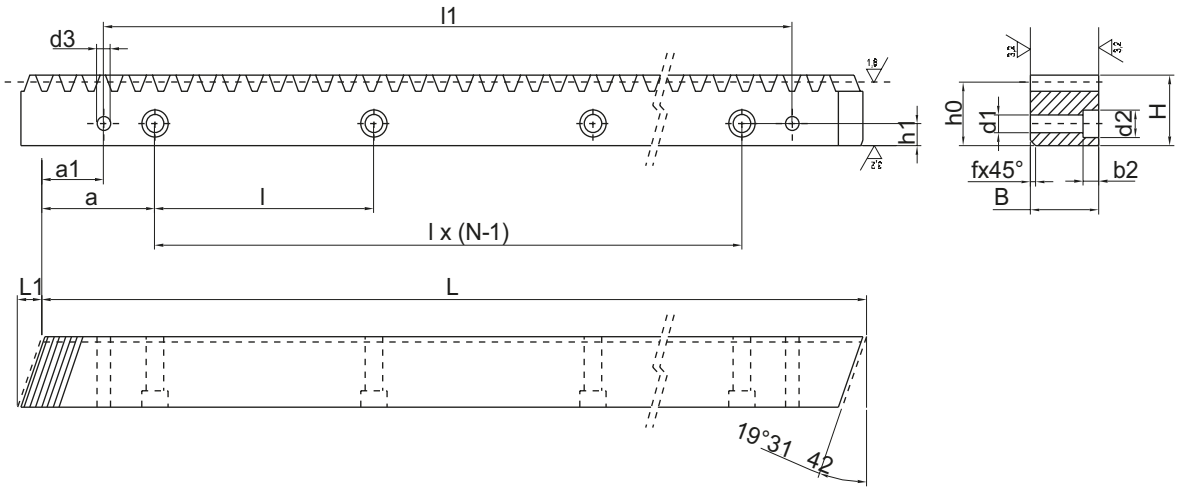
Code	mod.	p_t	L	Z	B	H	h0	f	a	l	N	h1	d2	d1	b2	a1	l1	d3	Fp	kg
C150106NST	1,50	4,712	499,5	106	19	19	17,5	2	62,44	124,88	4	8	11,0	7,0	7	29,00	441,5	5,7	0,024	1,3
C150212NST	1,50	4,712	999	212	19	19	17,5	2	62,44	124,88	8	8	11,0	7,0	7	29,00	941,0	5,7	0,036	2,6
C200080NST	2,00	6,283	502,6	80	24	24	22,0	2	62,83	125,66	4	8	11,0	7,0	7	31,30	440,1	5,7	0,026	2,1
C200160NST	2,00	6,283	1005,3	160	24	24	22,0	2	62,83	125,66	8	8	11,0	7,0	7	31,30	942,7	5,7	0,036	4,2
C250064NST	2,50	7,854	502,6	64	24	24	21,5	2	62,83	125,66	4	9	11,0	7,0	7	31,30	440,1	5,7	0,024	2,0
C250128NST	2,50	7,854	1005,3	128	24	24	21,5	2	62,83	125,66	8	9	11,0	7,0	7	31,30	942,7	5,7	0,036	4,1
C300054NST	3,00	9,425	508,9	54	29	29	26,0	2	63,62	127,23	4	9	14,0	9,0	9	34,40	440,1	7,7	0,030	3,0
C300108NST	3,00	9,425	1017,8	108	29	29	26,0	2	63,62	127,23	8	9	14,0	9,0	9	34,40	949,1	7,7	0,038	6,0
C400040NST	4,00	12,566	502,6	40	39	39	35,0	2	62,83	125,66	4	12	14,0	9,0	9	37,50	427,7	7,7	0,029	5,4
C400080NST	4,00	12,566	1005,3	80	39	39	35,0	2	62,83	125,55	8	12	14,0	9,0	9	37,50	930,3	7,7	0,038	10,8
C500032NST	5,00	15,708	502,6	32	49	39	34,0	3	62,83	125,66	4	12	20,0	14,0	13	30,20	442,3	11,7	0,029	6,6
C500064NST	5,00	15,708	1005,3	64	49	39	34,0	3	62,83	125,66	8	12	20,0	14,0	13	30,20	944,9	11,7	0,038	13,2
C600027NST	6,00	18,850	508,9	27	59	49	43,0	3	63,62	127,23	4	16	26,0	18,0	17	31,40	446,1	15,7	0,032	10,1
C600054NST	6,00	18,850	1017,8	54	59	49	43,0	3	63,62	127,23	8	16	26,0	18,0	17	31,40	955,0	15,7	0,041	20,3

p^t: tangent pitch Z: number of teeth N: number of holes d_3: predrilled holes for pin

please note: An assembly rack (available separately) is required upon installation to enable correct positioning of two consecutive gear racks. – The pinion can be provided upon request.

Gear racks with modular pitch
precision milled helical toothing

Quality:	DIN 8 e 27
Material:	40CROMU4 (Alloyed Material)
Toothing execution:	toothing finished with tooling.
Toothing specifications:	pressure angle ¤20°; Helix angle ß=19°31'42" Helix direction= RIGHT
Fp total pitch error:	depending on rack length (see table)



All amounts are expressed in [mm]

Code	mod.	p_t	L	L1	Z	B	H	h0	f	a	l	N	h1	d2	d1	b2	a1	l1	d3	Fp	kg
C150100DSF	1,50	5,000	500	7,1	100	20	19	17,5	2	62,5	125	4	8	11,0	7,0	7	31,7	436,6	5,7	0,100	1,4
C150200DSF	1,50	5,000	1000	7,1	200	20	19	17,5	2	62,5	125	8	8	11,0	7,0	7	31,7	936,6	5,7	0,150	2,8
C200075DSF	2,00	6,667	500	8,9	75	25	24	22,0	2	62,5	125	4	8	11,0	7,0	7	31,7	436,6	5,7	0,100	2,2
C200150DSF	2,00	6,667	1000	8,9	150	25	24	22,0	2	62,5	125	8	8	11,0	7,0	7	31,7	936,6	5,7	0,150	4,3
C250060DSF	2,50	8,333	500	8,9	60	25	24	21,5	2	62,5	125	4	9	11,0	7,0	7	31,7	436,6	5,7	0,100	2,1
C250120DSF	2,50	8,333	1000	8,9	120	25	24	21,5	2	62,5	125	8	9	11,0	7,0	7	31,7	936,6	5,7	0,150	4,2
C300050DSF	3,00	10,000	500	10,7	50	30	29	26,0	2	62,5	125	4	9	14,0	9,0	9	35,0	430,0	7,7	0,100	3,1
C300100DSF	3,00	10,000	1000	10,7	100	30	29	26,0	2	62,5	125	8	9	14,0	9,0	9	35,0	930,0	7,7	0,150	6,1
C400038DSF	4,00	13,333	506,6	14,2	38	40	39	35,0	3	62,5	125	4	12	14,0	9,0	9	33,3	433,0	7,7	0,100	5,6
C400075DSF	4,00	13,333	1000	14,2	75	40	39	35,0	3	62,5	125	8	12	14,0	9,0	9	33,3	933,4	7,7	0,150	11,0
C500030DSF	5,00	16,667	500	17,8	30	50	39	34,0	3	62,5	125	4	12	20,0	14,0	13	37,5	425,0	11,7	0,100	6,7
C500060DSF	5,00	16,667	1000	17,8	60	50	39	34,0	3	62,5	125	8	12	20,0	14,0	13	37,5	925,0	11,7	0,150	13,4
C600025DSF	6,00	20,000	500	21,3	25	60	49	43,0	3	62,5	125	4	16	26,0	18,0	17	37,5	425,0	15,7	0,100	10,1
C600050DSF	6,00	20,000	1000	21,3	50	60	49	43,0	3	62,5	125	8	16	26,0	18,0	17	37,5	925,0	15,7	0,150	20,3

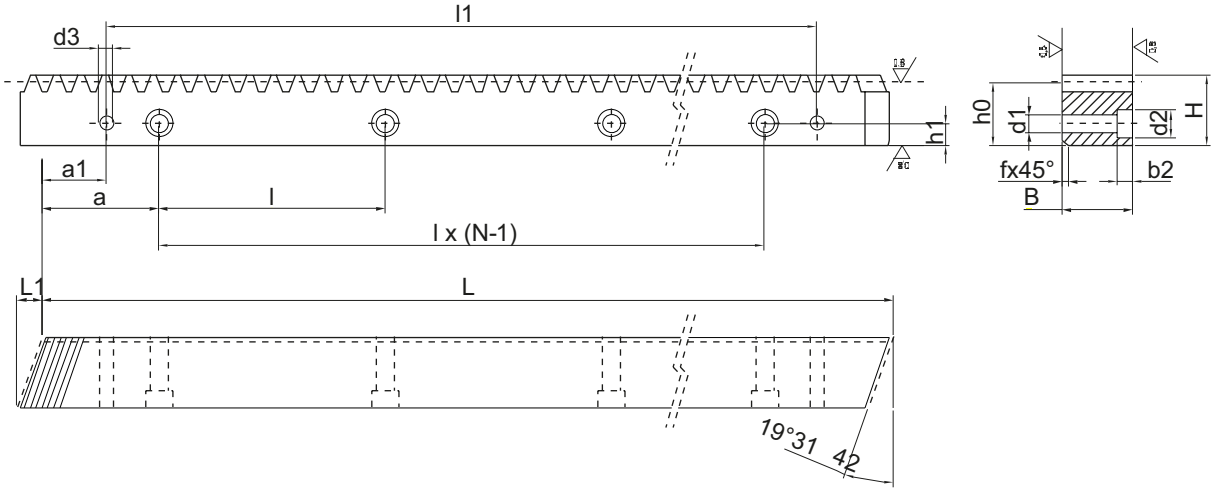
p^t: tangent pitch Z: number of teeth N: number of holes d_3: predrilled holes for pin

please note: An assembly rack (available separately) is required upon installation to enable correct positioning of two consecutive gear racks. – The pinion can be provided upon request.

Gear racks with modular pitch
hardened and ground helical toothing

Quality: DIN 5h 22
Material: 40CROMU4 (Alloyed Material)
Toothing execution: induction hardening and ground HRC 54-58
Toothing specifications: pressure angle α20°;
Helix angle ß=19°31'42"
Helix direction= RIGHT

f_p single pitch error: module<3,0:0,006/module≥3,0:0,008
Fp total pitch error: depending on rack length (see table)

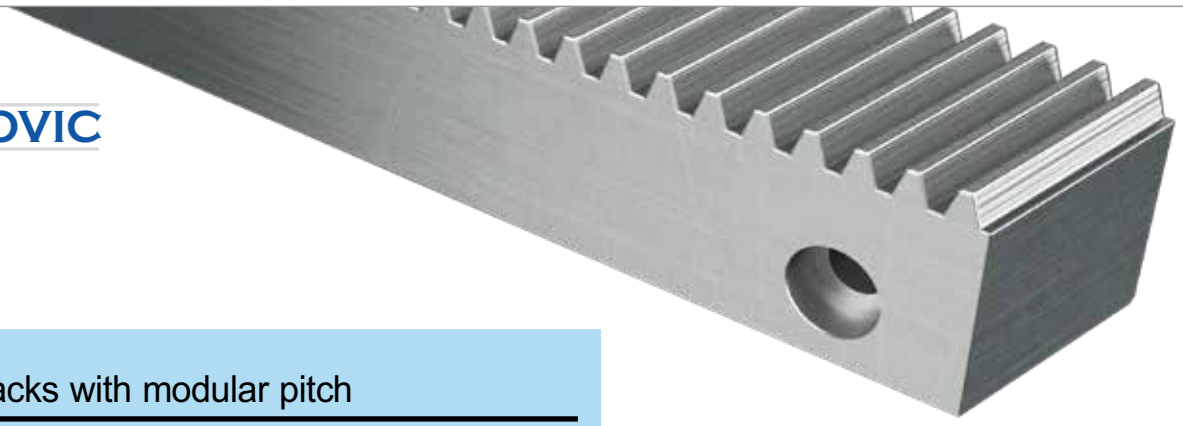


All amounts are expressed in [mm]

Code	mod.	p_t	L	L1	Z	B	H	h0	f	a	l	N	h1	d2	d1	b2	a1	l1	d3	Fp	kg
C150100DSC246	1,50	5,000	500	6,7	100	19	19	17,5	2	62,5	125	4	8	11,0	7,0	7	31,7	436,6	5,7	0,024	1,3
C150200DSC246	1,50	5,000	1000	6,7	200	19	19	17,5	2	62,5	125	8	8	11,0	7,0	7	31,7	936,6	5,7	0,036	2,6
C200075DSC246	2,00	6,667	500	8,5	75	24	24	22,0	2	62,5	125	4	8	11,0	7,0	7	31,7	436,6	5,7	0,026	2,1
C200150DSC246	2,00	6,667	1000	8,5	150	24	24	22,0	2	62,5	125	8	8	11,0	7,0	7	31,7	936,6	5,7	0,036	4,2
C250060DSC246	2,50	8,333	500	8,5	60	24	24	21,5	2	62,5	125	4	9	11,0	7,0	7	31,7	436,6	5,7	0,024	2,0
C250120DSC246	2,50	8,333	1000	8,5	120	24	24	21,5	2	62,5	125	8	9	11,0	7,0	7	31,7	936,6	5,7	0,036	4,1
C300050DSC246	3,00	10,000	500	10,3	50	29	29	26,0	2	62,5	125	4	9	14,0	9,0	9	35,0	430,0	7,7	0,030	3,0
C300100DSC246	3,00	10,000	1000	10,3	100	29	29	26,0	2	62,5	125	8	9	14,0	9,0	9	35,0	930,0	7,7	0,038	5,9
C400038DSC246	4,00	13,333	506,6	13,8	38	39	39	35,0	3	62,5	125	4	12	14,0	9,0	9	33,3	433,0	7,7	0,029	5,4
C400075DSC246	4,00	13,333	1000	13,8	75	39	39	35,0	3	62,5	125	8	12	14,0	9,0	9	33,3	933,4	7,7	0,038	10,7
C500030DSC246	5,00	16,667	500	17,4	30	49	39	34,0	3	62,5	125	4	12	20,0	14,0	13	37,5	425,0	11,7	0,029	6,5
C500060DSC246	5,00	16,667	1000	17,4	60	49	39	34,0	3	62,5	125	8	12	20,0	14,0	13	37,5	925,0	11,7	0,038	13,1
C600025DSC246	6,00	20,000	500	20,9	25	59	49	43,0	3	62,5	125	4	16	26,0	18,0	17	37,5	425,0	15,7	0,032	10,0
C600050DSC246	6,00	20,000	1000	20,9	50	59	49	43,0	3	62,5	125	8	16	26,0	18,0	17	37,5	925,0	15,7	0,041	19,9

p^t: tangent pitch Z: number of teeth N: number of holes d_3: predrilled holes for pin

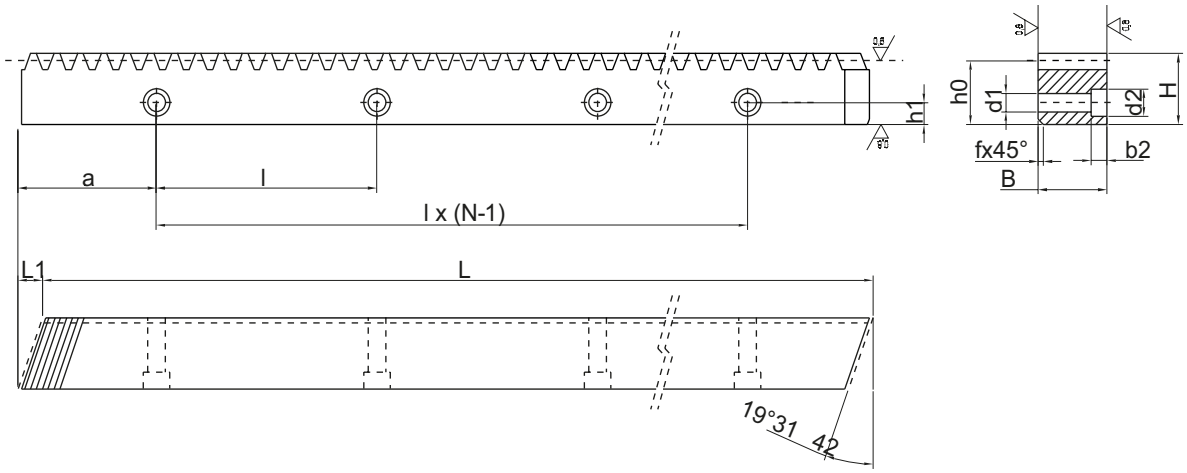
please note: An assembly rack (available separately) is required upon installation to enable correct positioning of two consecutive gear racks. – The pinion can be provided upon request.



Gear racks with modular pitch
hardened and ground helical toothing

Quality:	DIN 6h 25
Material:	40CROMU4 (Alloyed Material)
Toothing execution:	induction hardening and ground HRC 54-58
Toothing specifications:	pressure angle ¤20°; Helix angle ß=19,528° Helix direction= RIGHT

f_p single pitch error: module<3,0:0,006/module≥3,0:0,008
Fp total pitch error: depending on rack length (see table)



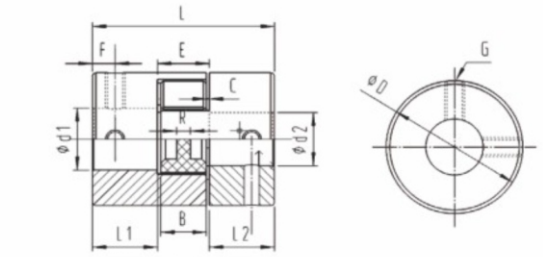
All amounts are expressed in [mm]

Code	mod.	p_t	L	L1	Z	B	H	h0	f	a	l	N	h1	d2	d1	b2	a1	l1	d3	Fp	kg
C150080DST	1,50	5,000	400	8,5	80	24	24	22,5	2	20,0	120	4	8	11,0	7,0	7	/	/	/	0,024	1,7
C150128DST	1,50	5,000	640	8,5	128	24	24	22,5	2	20,0	120	6	8	11,0	7,0	7	/	/	/	0,029	2,7
C150200DST	1,50	5,000	1000	8,5	200	24	24	22,5	2	20,0	120	9	8	11,0	7,0	7	/	/	/	0,036	4,2
C200060DST	2,00	6,667	400	8,5	60	24	24	22,0	2	20,0	120	4	8	11,0	7,0	7	/	/	/	0,024	1,7
C200075DST	2,00	6,667	500	8,5	75	24	24	22,0	2	62,5	125	4	8	11,0	7,0	7	31,7	436,6	5,7	0,026	2,1
C200096DST	2,00	6,667	640	8,5	96	24	24	22,0	2	20,0	120	6	8	11,0	7,0	7	/	/	/	0,029	2,7
C200150DST	2,00	6,667	1000	8,5	150	24	24	22,0	2	20,0	120	9	8	11,0	7,0	7	/	/	/	0,036	4,2
C250048DST	2,50	8,333	400	10,3	48	29	29	26,5	2	20,0	120	4	9	14,0	9,0	9	/	/	/	0,024	2,4
C250120DST	2,50	8,333	1000	10,3	120	29	29	26,5	2	20,0	120	9	9	14,0	9,0	9	/	/	/	0,036	6,0
C300040DST	3,00	10,000	400	10,3	40	29	29	26,0	2	20,0	120	4	9	14,0	9,0	9	/	/	/	0,026	2,4
C300064DST	3,00	10,000	640	10,3	64	29	29	26,0	2	20,0	120	6	9	14,0	9,0	9	/	/	/	0,030	3,8
C300100DST	3,00	10,000	1000	10,3	100	29	29	26,0	2	20,0	120	9	9	14,0	9,0	9	/	/	/	0,038	5,9
C400048DST	4,00	13,333	640	13,8	48	39	39	35,0	3	20,0	120	6	12	14,0	9,0	9	/	/	/	0,029	6,9
C400075DST	4,00	13,333	1000	13,8	75	39	39	35,0	3	20,0	120	9	12	14,0	9,0	9	/	/	/	0,038	10,7
C500039DST	5,00	16,667	650	17,4	39	49	39	34,0	3	40,0	115	6	12	20,0	14,0	13	/	/	/	0,029	8,5
C500060DST	5,00	16,667	1000	17,4	60	49	39	34,0	3	40,0	115	9	12	20,0	14,0	13	/	/	/	0,038	13,1
C600032DST	6,00	20,000	640	20,9	32	59	49	43,0	3	40,0	115	6	16	26,0	18,0	17	/	/	/	0,032	12,8
C600050DST	6,00	20,000	1000	20,9	50	59	49	43,0	3	40,0	115	9	16	26,0	18,0	17	/	/	/	0,041	19,9

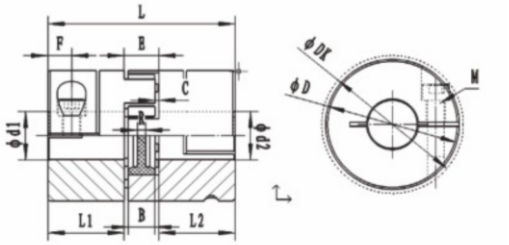
p^t: tangent pitch Z: number of teeth N: number of holes d_3: predrilled holes for pin

please note: An assembly rack (available separately) is required upon installation to enable correct positioning of two consecutive gear racks. – The pinion can be provided upon request.

Jaw Flexible Coupling



JM1



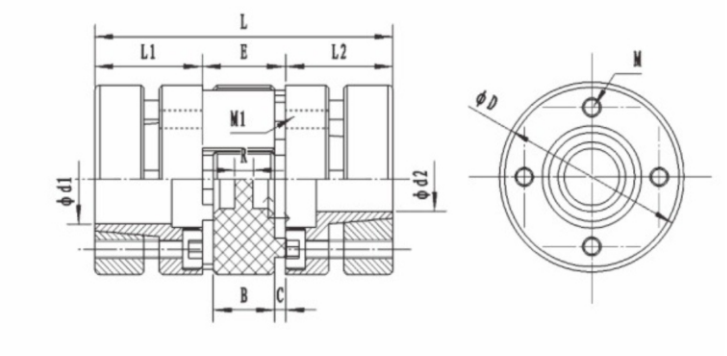
JM2

Dimension:(mm)

Model Number	bore dia. d1 (min)	bore dia. d2 (max)	D	L	L1	L2	F	E	G	M	N.M	Torque (N.m) (TKN)	Torque (N.m) (TK max)	Torsional stiffness (N.m/rad)	Dynamic stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
JM1–14	3	7	14	22.0	7.0	7.0	3.5	8.0	M3	–	0.7	2.0	4.0	22.9	69.0	0.085×10^{-6}	6.7
JM2–14	3	6	14	22.0	7.0	7.0	3.5	8.0	–	M2.5	0.5						
JM1–16	3	7	16	22.0	7.0	7.0	3.5	8.0	M3	–	0.7	2.2	4.4	23.4	72.0	0.09×10^{-6}	9.0
JM2–16	3	7	16	22.0	7.0	7.0	3.5	8.0	–	M2.5	0.5						
JM1–20	4	10	20	30.0	10.0	10.0	5.0	10.0	M3	–	0.7	5.0	10.0	51.6	155.0	0.49×10^{-6}	19.8
JM2–20	4	10	20	30.0	10.0	10.0	5.0	10.0	–	M3	1.5						
JM1–25	4	12	25	34.0	11.0	11.0	5.0	12.0	M4	–	1.7	9.0	18.0	240.7	718.0	1.3×10^{-6}	37.0
JM2–25	4	12	25	34.0	11.0	11.0	5.0	12.0	–	M4	1.5						
JM1–30	5	16	30	35.0	11.0	11.0	5.0	13.0	M4	–	1.7	12.5	25.0	171.9	513.0	2.8×10^{-6}	50.0
JM2–30	5	16	30	35.0	11.0	11.0	5.0	13.0	–	M4	1.7						
JM1–40	8	24	40	66.0	25.0	25.0	10.0	16.0	M5	–	4.0	17.0	34.0	1512	2540	20.4×10^{-6}	156.0
JM2–40	8	24	40	66.0	25.0	25.0	12.0	16.0	–	M5	8.0						
JM1–55	10	28	55	78.0	30.0	30.0	10.0	18.0	M6	–	7.0	60.0	120.0	3640	5980	50.8×10^{-6}	362.0
JM2–55	10	28	55	78.0	30.0	30.0	10.5	18.0	–	M6	8.0						
JM1–65	12	38	65	90.0	35.0	35.0	15.0	20.0	M8	–	15.0	160.0	320.0	6410	9920	200.3×10^{-6}	583.0
JM2–65	12	38	65	90.0	35.0	35.0	11.5	20.0	–	M8	16.0						
JM1–80	16	45	80	114.0	45.0	45.0	15.0	24.0	M8	–	15.0	325.0	650.0	11800	17160	400.6×10^{-6}	966.0
JM2–80	16	45	80	114.0	45.0	45.0	15.5	24.0	–	M8	16.0						
JM1–95	20	55	95	126.0	50.0	50.0	20.0	26.0	M8	–	15.0	450.0	900.0	21594	37692	2246×10^{-6}	1820.0
JM2–95	20	55	95	126.0	50.0	50.0	18.0	26.0	–	M10	40						
JM1–105	20	62	105	140.0	56.0	56.0	20.0	28.0	M10	–	32	525.0	1050.0	25759	45620	3786×10^{-6}	2430.0
JM2–105	20	62	105	140.0	56.0	56.0	21.0	28.0	–	M12	115						
JM1–120	20	74	120	160.0	65.0	65.0	20.0	30.0	M10	–	32	685.0	1370.0	42117	61550	7496×10^{-6}	4530
JM2–120	20	74	120	160.0	65.0	65.0	26.0	30.0	–	M12	115						
JM1–135	22	80	135	185.0	75.0	75.0	20.0	35.0	M10	–	32	940.0	1880.0	48520	71660	12000×10^{-6}	6980
JM2–135	22	80	135	185.0	75.0	75.0	33.0	35.0	–	M12	115						

Jaw Flexible Coupling

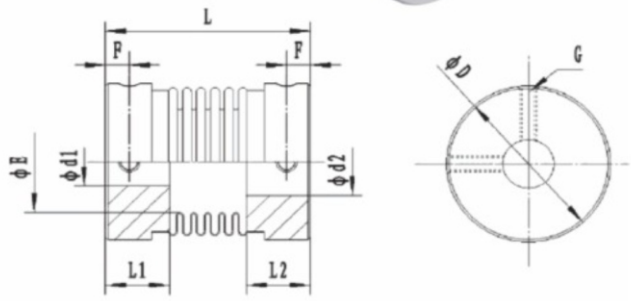
JM–T

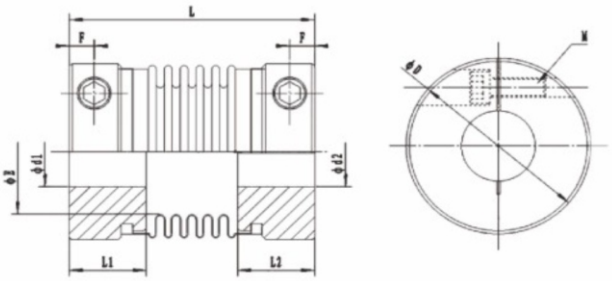


Dimension:(mm)

Model Number	bore dia. d1 (min)	bore dia. d2 (max)	D	L	L1	L2	E	B	C	R	DK	M1	M	Allowable speed (min^{-1})	Torque (N.m) (TKN)	Torque (N.m) (TK max)	Torsional stiffness (N.m/rad)	Dynamic stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
JM30T	6	14	30	50.0	18.5	18.5	13.0	10.0	1.5	2.0	30	M3	M3×4	25000	7.5	15.0	114.6	344	2.8×10^{-6}	110.0
															12.5	25.0	171.9	513		
															16.0.	32.0	234.2	702		
JM40T	10	20	40	66.0	25.0	25.0	16.0	12.0	2.0	4.0	40	M4	M4×6	16500	0.0	20.0	1090	1815	20.4×10^{-6}	290.0
															17.0	34.0	1512	2540		
															21.0	42.0	2560	3710		
JM55T	11	28	55	78.0	30.0	30.0	18.0	14.0	2.0	4.0	55	M5	M5×4	12200	35.0	70.0	2280	4010	50.8×10^{-6}	700.0
															60.0	120.0	3640	5980		
															75.0	150.0	5030	10895		
JM65T	15	38	65	90.0	35.0	35.0	20.0	15.0	2.5	4.0	65	M5	M5×8	10500	95.0	190.0	4080	6745	200.3×10^{-6}	1130.0
															160.0	320.0	6410	9920		
															200.0	400.0	10260	20177		
JM80T	20	45	80	114.0	45.0	45.0	24.0	18.0	3.0	4.0	80	M6	M6×8	8650	190.0	380.0	6225	11050	400.6×10^{-6}	2360.0
															325.0	650.0	11800	17160		
															405.0	810.0	26300	42515		

Metal Bellows Coupling





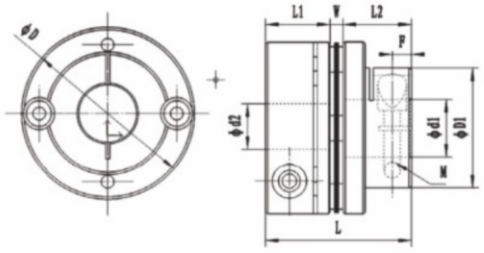
JB1 JB2

Dimension:(mm)

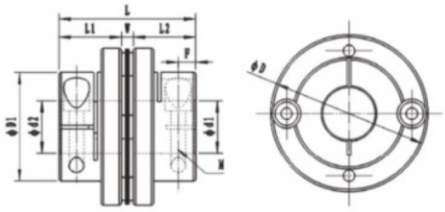
Model Number	bore dia.		D	L	L1/L2	E	F	G	R	Allowable deviation			Allowable speed (min-1)	Torsional stiffness (N.m/rad)	Net weight (g)	Tor que (N.m)	
	d1 (min)	d2 (max)								Axial	Lateral	Angular				Min	Max
JB1-16	4	8	16	30	9.2	9.5	3.5	M3	–	±0.30	0.10	1.5	20000	100	8	0.8	1.6
JB2-16	4	7	16	30	10.5		3.8		M3	±0.30	0.10	1.5	18000	100	8	0.8	1.6
JB1-20	5	12	20	29	10.5	12.5	2.7	M3	–	±0.35	0.15	2.0	15000	160	12	1.5	3.0
JB2-20	5	12	20	33	11.7		3.5		M3	±0.35	0.15	2.0	13000	160	18	1.5	3.0
JB1-25	5	14	25	34	11.8	16.0	3.8	M4	–	±0.40	0.15	2.0	13000	220	28	2.0	4.0
JB2-25	5	12	25	38	11.4		4.7		M4	±0.40	0.15	2.0	11000	220	38	2.0	4.0
JB1-32	6	16	32	37	10.5	21.0	3.2	M4	–	±0.50	0.20	2.0	10000	310	46	2.5	5.0
JB2-32	6	16	32	43	13.0		4.5		M4	±0.50	0.20	2.0	10000	310	56	2.5	5.0
JB1-40	8	20	40	51	15.0	28.0	4.9	M5	–	±0.60	0.20	2.0	8000	520	88	10	20
JB2-40	8	20	40	62	20.5		6.8		M5	±0.60	0.20	2.0	8000	520	108	10	20
JB1-55	10	30	55	57	14.5	38.0	3.3	M6	–	±0.80	0.20	2.0	6000	850	230	25	50
JB2-55	10	30	55	72	22.5		6.5		M6	±0.80	0.20	2.0	6000	850	280	25	50
JB2-65	14	38	65	81	25.5	45.0	7.5	–	M8	±0.80	0.20	2.0	4500	960	420	60	120
JB2-82	14	42	82	103	34.0	56.0	10	–	M8	±1.0	0.20	2.0	4000	1290	850	80	160

Disc Coupling

MPB-C



MPC-C



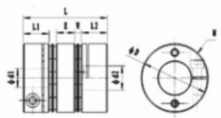
Dimension:(mm)

Model Number	bore dia. d1 (min)	bore dia. d2 (max)	D	D1	L	L1/L2	W	F	M	N.M	Model Type	Rated torque (N.m)	Max torque (TK max)	Allowable speed (min)	Torsional stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
MP26C	5	10	26	–	25.5	11.5	2.5	3.6	M3	0.7	A	1.5	3.0	10000	2400	2.7	25
MP34C	5	14	34	–	31.3	14.1	3.1	4.5	M4	2.5	A	4.0	8.0	10000	5600	8.7	49
	5	14		21.6	31.3	14.1	3.1	4.5	M3	2.5	B					7.3	41
	5	9			31.3	14.1	3.1	3.7	M3	2.5	C					5.9	33
MP39C	8	16	39	–	34.1	15.0	4.1	5.0	M3	2.5	A	6.0	12.0	10000	9600	18	84
MP44C	8	19	44	–	34.5	15.0	4.5	5.0	M4		A	10.0	20.0	10000	12000	35	105
	8	15		29.6	34.5	15.0	4.5	5.0	M4	2.5	B					24	90
	8	15			34.5	15.0	4.5	4.5	M4		C					17	76
MP56C	10	25	56	–	45.0	20.0	5.0	6.5	M5		A	25.0	50.0	10000	30000	136	214
	10	19		38.0	45.0	20.0	5.0	6.5	M5	4.0	B					102	185
	10	19			45.0	20.0	5.0	6.2	M5		C					81	156
MP68C	12	30	68	–	54.0	24.0	6.0	7.5	M6		A	60.0	120.0	10000	60000	283	396
	12	30		46.0	54.0	24.0	6.0	7.5	M6	8.0	B					206	337
	12	24			54.0	24.0	6.0	7.5	M6		C					147	279
MP82C	16	38	82	–	68.0	30.0	8.0	9.5	M8		A	100.0	200.0	10000	72000	715	727
	16	28		56.0	68.0	30.0	8.0	9.5	M8	16.0	B					579	625
	16	28			68.0	30.0	8.0	9.0	M8		C					386	513
MP94C	20	40	94	–	68.3	30.0	8.3	9.0	M8	16	A	180.0	360.0	10000	82000	1950	959
MP104C	26	45	104	–	69.8	30.0	9.8	9.0	M8	16	A	230.	460.0	10000	120000	4230	1181

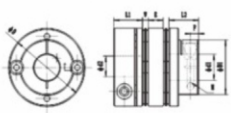
Disc Coupling



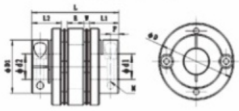

DMPA-C



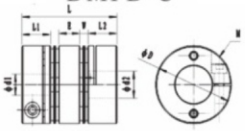
DMPB-C



DMPC-C



DMPD-C

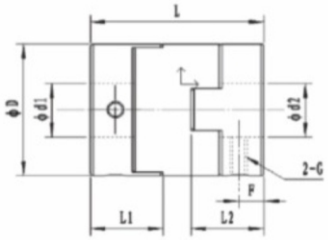


Dimension:(mm)

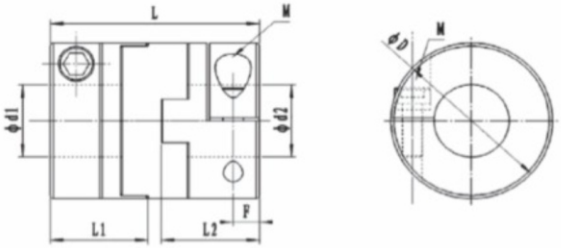
Model Number	bore dia. d1 (min)	bore dia. d2 (max)	D	D1	L	L1/L2	F	W	F	M	N.M	Model Type	Rated torque (N.m)	Max torque (TK max)	Allowable speed (min)	Torsional stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
DMP26C	5	10	26	–	35.0	11.5	7.0	2.5		M3	1.5	A	1.5	3.0	10000	1200	3.2	35
DMP34C	5	14	34	–	45	14.9	9.4	3.3	4.5	M4	2.5	A	4	8	10000	2800	12	69
	5	14		21.6								B					9.3	61
	5	9										C					6.1	53
	5	14		–	33.5	11.6	4.1	3.1				D					12	61
DMP39C	8	16	39	–	49	15	10.8	4.1	4.5	M4	2.5	A	4	12	10000	4800	24	123
	8	16		–	39	13.6	2.7	4.6				D					24	105
DMP44C	8	19	44	–	50	15	11	4.5	4.5	M4	2.5	A	10	20	10000	6000	48	151
	8	15		29.6								B					37	136
	8	15										C					29	122
	8	19		–	40	13.6	5	3.9				D					48	136
DMP56C	10	25	56	–	63	20	12.3	5	6.5	M5	4.0	A	25	50	10000	15000	166	304
	10	19		38								B					129	275
	10	19										C					95	246
	10	25		–	56	20	5.6	5				D					166	275
DMP68C	12	30	68	–	74	24	14	6	7.8	M6	8.0	A	60	120	10000	30000	459	556
	12	24		46								B					317	498
	12	24										C					273	440
	12	30		–	68.8	24	8.8	6				D					459	498
DMP82C	16	38	82	–	98	30	22	8	9.5	M8	16	A	100	200	10000	36000	852	1051
	16	28		56								B					686	880
	16	28										C					592	732
	16	38		–	82.5	30	9.5	6.5				D					852	880
DMP94C	20	40	94	–	98.6	30	22	8.3	9.5	M8	16	A	180	360	10000	8200	2300	1373
DMP104C	26	15	104	–	101.6	30	22	8.3	9.5	M8	16	A	230	260	10000	60000	5650	1707

Oldham Coupling

JH1



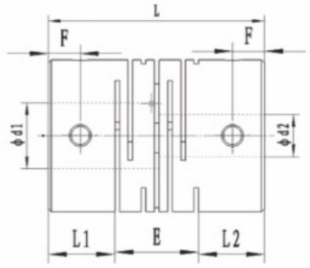
JH2



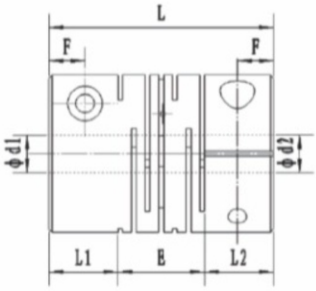
Dimension:(mm)

Model Number	bore dia. d1 (min)	bore dia. d2 (max)	D	L	L1/L2	F	G	M	(N.M)	Rated torque (N.m)	Max torque (TK max)	Allowable speed (min)	Torsional stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
JH1-16	3	6.35	16	18	7	3.5	M3	–	0.7	0.7	1.4	12000	31	0.32	7
JH2-16	4	6		29	12.5	3.5	–	M2.5	1.5					0.58	12
JH1-20	4	8	20	23	9	4.5	M4	–	1.7	1.2	2.4	10000	60	1.0	14
JH2-20	4	8		33	14	3.5	–	M3	1.5					1.5	19
JH1-25	5	12	25	28	11	5.5	M5	–	4	2	4	8000	140	3.0	27
JH2-25	5	12		39	16.5	3.5	–	M3	1.5					4.4	36
JH1-32	5	16	32	33	13	6.5	M6	–	7	4.5	9	7000	280	9.5	50
JH2-32	5	16		45	19	4.5	–	M4	2.5					14	69
JH1-40	8	20	40	35	14	7	M6	–	7	9	18	4800	540	23	80
JH2-40	8	20		50	23	7	–	M5	4					41	130
JH1-50	12	24	50	38	17	8.5	M8	–	15	18	36	3000	820	67	150
JH2-50	12	24		58	27	8	–	M6	8					120	230
JH1-63	14	30	63	47	21	10.5	M10	–	8	36	72	2800	1900	220	300
JH2-63	14	30		71	33	10	–	M8	16					370	450

Flexible Beam Coupling



JT1



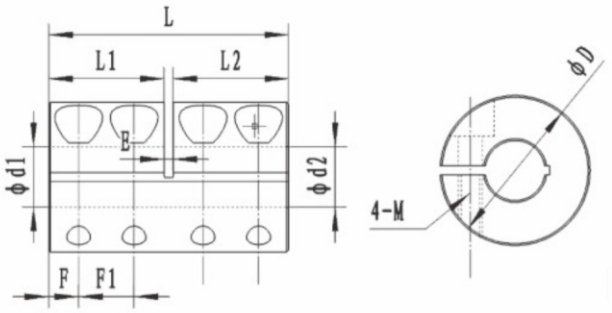
JT2

Dimension:(mm)

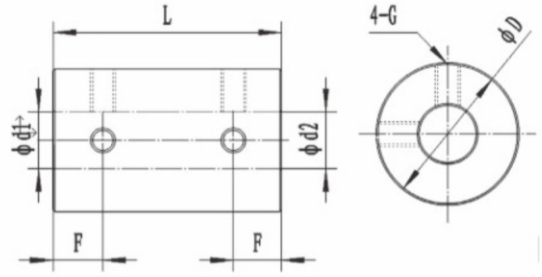
Model Number	bore dia.		D	L	L1/L2	E	F	G	M	N.M	Rated torque (N.m)	Max torque (TK max)	Allowable speed (min)	Torsional stiffness (N.m/rad)	Moment of inertia (kg.m2)	Net weight (g)
	d1 (min)	d2 (max)														
JT1-16	5	8	16	23	6.5	10	3	M3	–	0.7	0.5	1	24000	80	0.33	8.1
JT2-16	5	8						–	M2.5	1					0.34	9.2
JT1-20	5	10	20	26	7.5	11	3	M3	–	0.7	1	2	20000	170	0.90	14
JT2-20	5	10						–	M2.5	1					0.91	19
JT1-25	6	12	25	31	8.5	14	4	M4	–	1.7	2	4	15000	380	2.60	27
JT2-25	6	12						–	M3	1.5					2.60	37
JT1-32	8	16	32	41	12	17	6	M4	–	1.7	4	8	12000	500	9.60	60
JT2-32	8	16						–	M4	2.5					9.7	75
JT1-40	8	20	40	56	17	22	8.5	M5	–	4	8	16	9500	700	32	130
JT2-40	8	20						–	M5	4					33	145
JT1-50	12	25	50	71	21	29	10.5	M6	–	7	16	32	7000	1800	100	260
JT2-50	12	25						–	M6	8					100	300
JT1-63	14	35	63	90	26	38	13	M8	–	15	32	64	6000	3100	320	490
JT2-63	14	35						–	M8	16					320	580

Rigid Coupling

JR-C



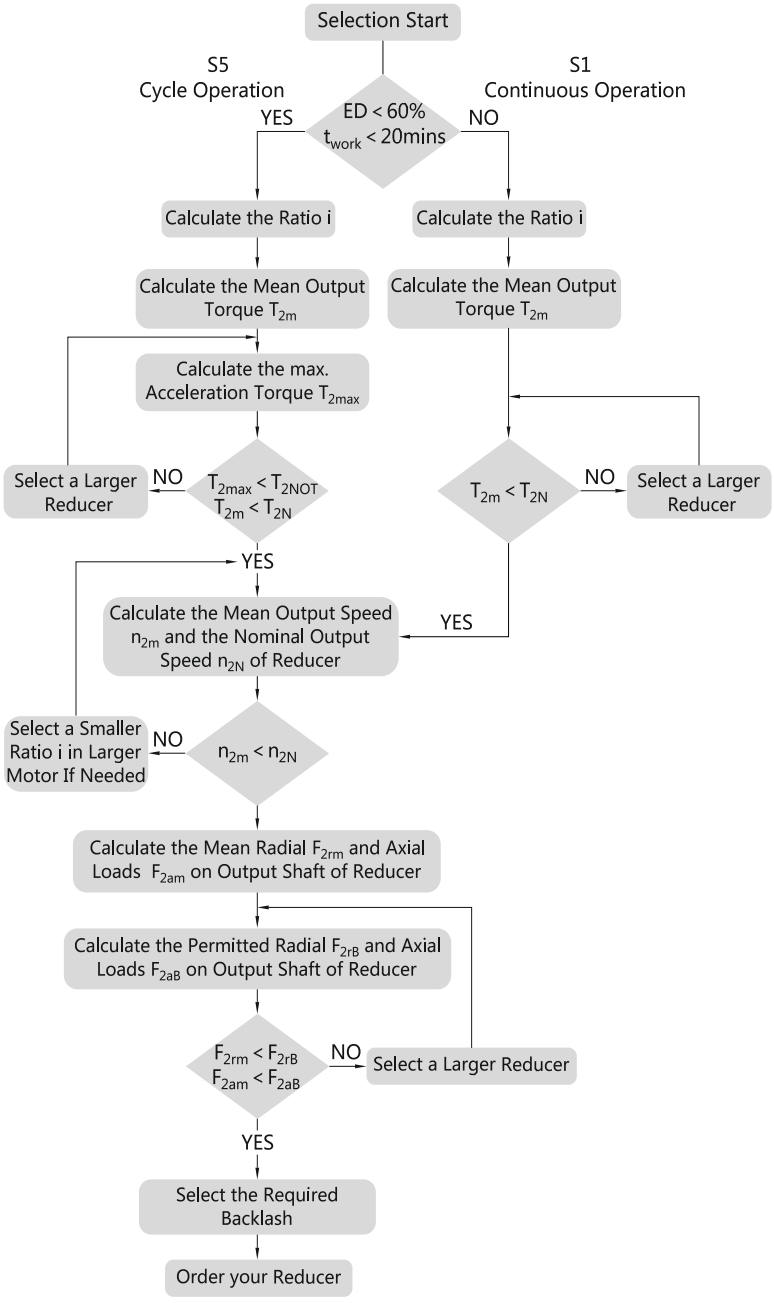
JR



Dimension:(mm)

Model Number	bore dia.		D	L	L1/L2	E	F	F1	G	M	N.M	Rated torque (N.m)	Max torque (TK max)	Allowable speed (min)	Moment of inertia (kg.m2)	Net weight (g)
	d1 (min)	d2 (max)														
JR16	4	6	16	16	–	–	3.8	–	M3	–	0.7	0.3	0.6	20000	0.4	11
JR16C	5	6		16	7.5	0.6	3.8	–	-	2×M2.5	1.0	0.3	0.6	18000	0.3	9
JR20	5	10	20	30	–	–	7.0	–	M3	–	0.7	0.5	1.0	20000	1.3	20
JR20C	5	8		30	14.7	0.6	3.8	–	-	4×M3	1.0	0.5	1.0	16000	0.9	15
JR25	5	12	25	40	–	–	9.0	–	M4	–	1.7	1.0	2.0	20000	3.9	39
JR25C	5	10		40	19.5	1	5.0	–	-	4×M4	1.5	1.0	2.0	16000	2.7	29
JR30	6	16	32	44	–	–	10.0	–	M4	–	1.7	2.0	4.0	19000	12.0	71
JR30C	6	10		44	21	1.2	5.5	–	-	4×M4	2.5	2.0	4.0	14000	7.1	51
JR40	10	24	43	50	–	–	12.0	–	M6	–	7.0	4.5	9.0	12000	46.0	170
JR40C	10	22		50	24.2	1.5	6.5	–	-	4×M5	4.0	4.5	9.0	10000	34.0	130

Selection of the Optimum Reducer



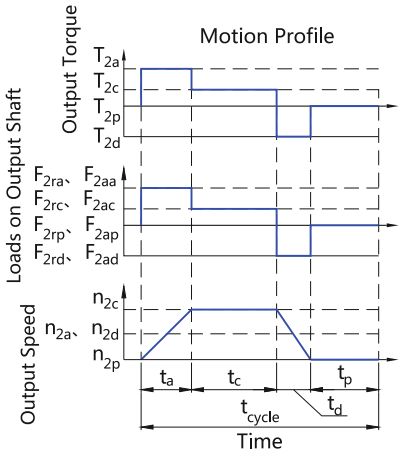
Recommended (for S5 Cycle Operation)
The general design is given for

$\frac{J_L}{i^2} \leq 4 \times J_m$

The optimal design is given for

$\frac{J_L}{i^2} \cong J_m$

J_L : Load Inertia , J_m : Motor Inertia



1. $ED = \frac{t_a+t_c+t_d}{t_{cycle}} \times 100\%$, $t_{work} = t_a+t_c+t_d$

a : Acceleration , c : Constant
d : Deceleration , p : Pause

2. $i \cong \frac{n_m}{n_{work}}$

n_m : Output Speed of the Motor,
n_{work} : Working Spee

3. $T_{2m} = \sqrt[3]{\frac{n_{2a} \times t_a \times T_{2a}{}^3 + n_{2c} \times t_c \times T_{2c}{}^3 + n_{2d} \times t_d \times T_{2d}{}^3}{n_{2a} \times t_a + n_{2c} \times t_c + n_{2d} \times t_d}}$

4. $T_{2max} = T_{mB} \times i \times k_s \times \eta$

k_s : Load coefficient

k_s	No. of Cycles / hr
1.0	0 ~ 1000
1.1	1000 ~ 1500
1.3	1500 ~ 2000
1.6	2000 ~ 3000
1.8	3000 ~ 5000

T_{mB} : Max. Output Torque of the Motor

5. $n_{2a} = n_{2d} = 0.5 \times n_{2c}$

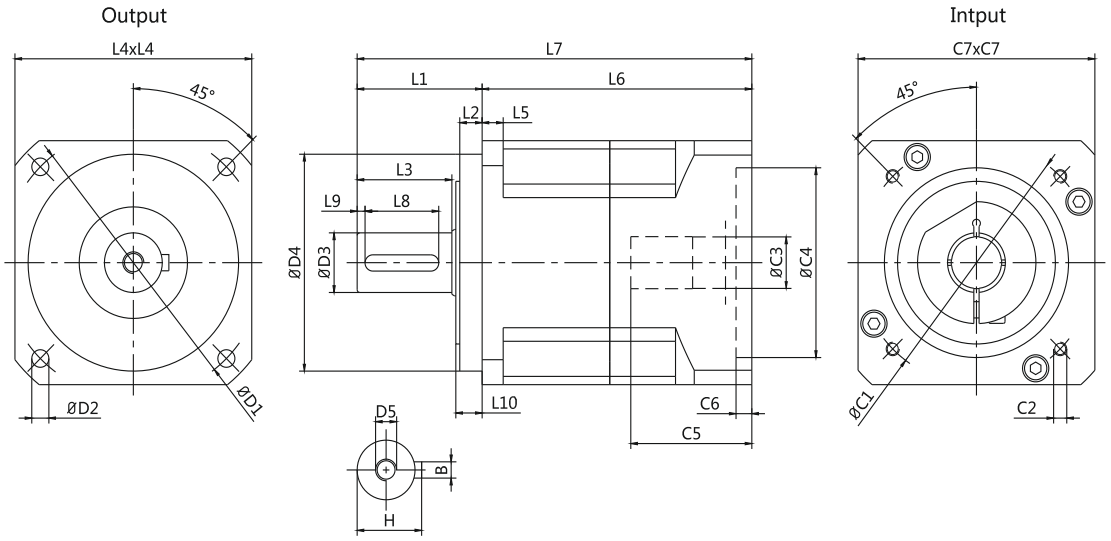
$n_{2m} = \frac{n_{2a} \times t_a + n_{2c} \times t_c + n_{2d} \times t_d}{t_a+t_c+t_d}$

$n_{2N} = \frac{n_{1N}}{i}$

6. $F_{2rm} = \sqrt[3]{\frac{n_{2a} \times t_a \times F_{2ra}{}^3 + n_{2c} \times t_c \times F_{2rc}{}^3 + n_{2d} \times t_d \times F_{2rd}{}^3}{n_{2a} \times t_a + n_{2c} \times t_c + n_{2d} \times t_d}}$

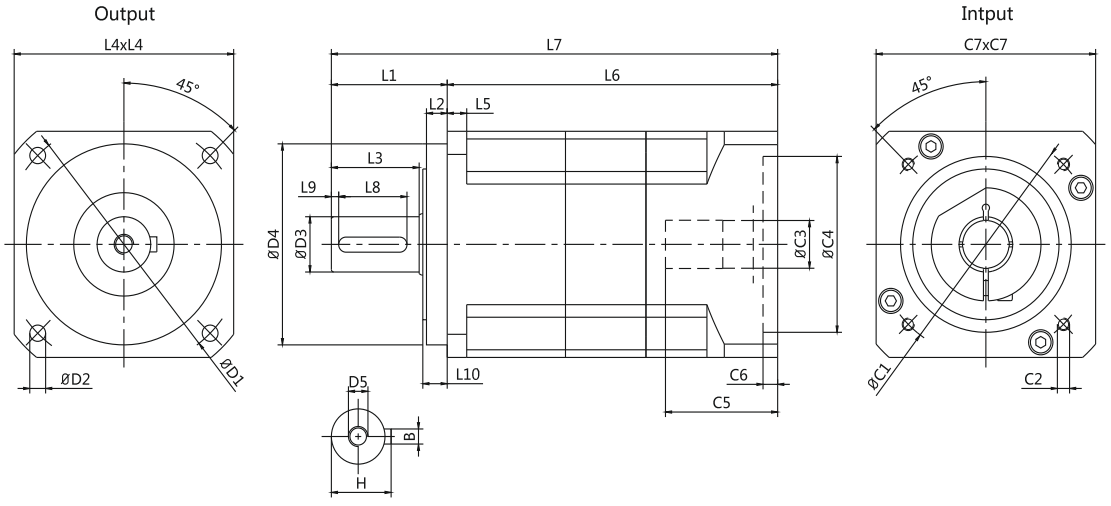
$F_{2am} = \sqrt[3]{\frac{n_{2a} \times t_a \times F_{2aa}{}^3 + n_{2c} \times t_c \times F_{2ac}{}^3 + n_{2d} \times t_d \times F_{2ad}{}^3}{n_{2a} \times t_a + n_{2c} \times t_c + n_{2d} \times t_d}}$

ASGA060-L1



ASGA060-L1																							
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	5.5	16	50	M5	37	7	28.5	60	8	76	113	20	3	7.5	70	M4	14	50	32.5	6	60	5	18
TypeⅡ	70	5.5	16	50	M5	37	7	28.5	60	8	92.5	129.5	20	3	7.5	90	M5	19	70	43	6	80	5	18

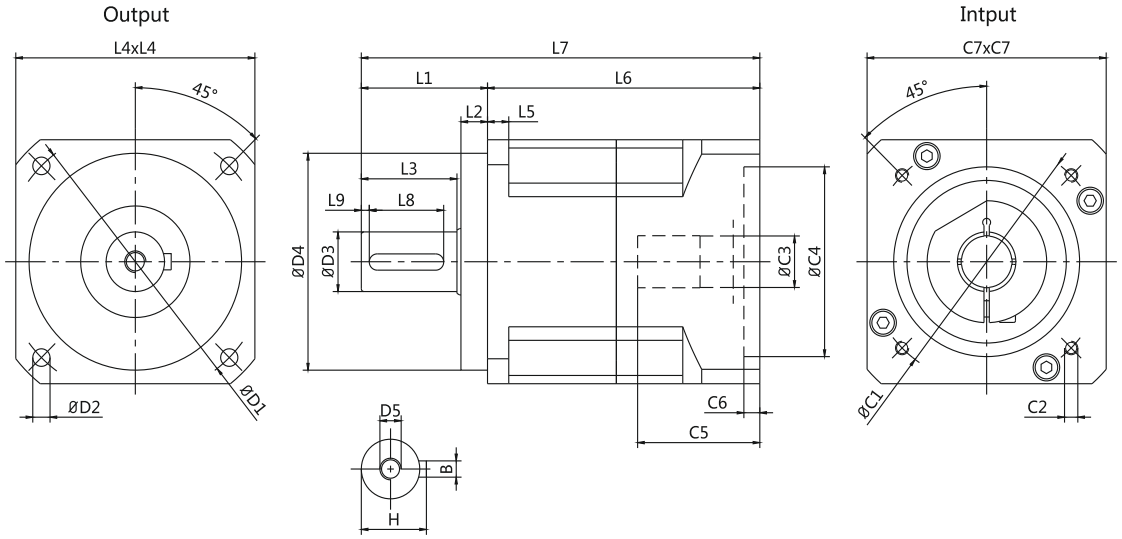
ASGA060-L2



ASGA060-L2																							
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	5.5	16	50	M5	37	7	28.5	60	8	96	133	20	3	7.5	70	M4	14	50	32.5	6	60	5	18
TypeⅡ	70	5.5	16	50	M5	37	7	28.5	60	8	96	133	20	3	7.5	70	M4	11	50	32.5	6	60	5	18

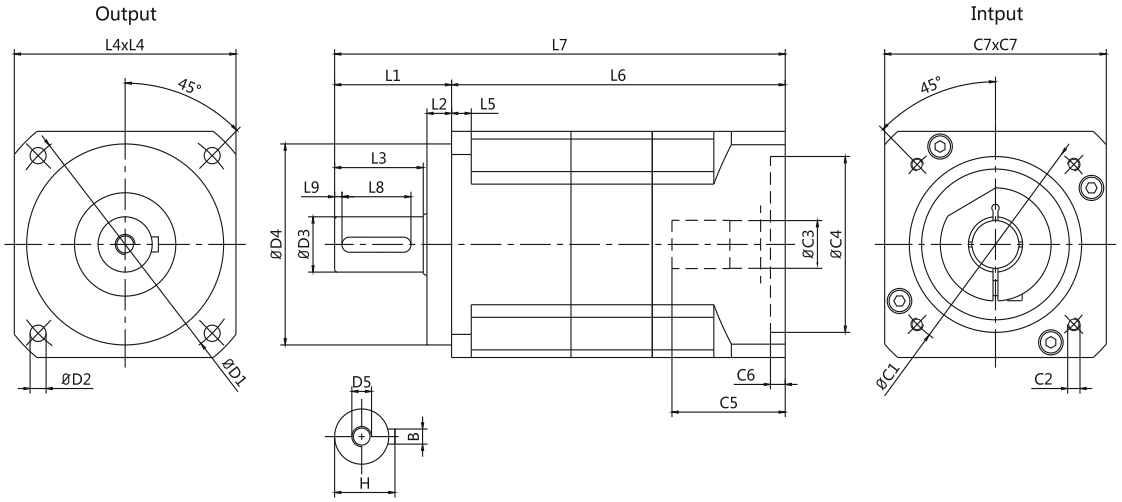
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGA090-L1



ASGA090-L1																						
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	6.5	22	80	M8	47.5	10	36	90	8	102.5	150	30	3	90	M5	19	70	46	6	90	6	24.5
TypeⅡ	100	6.5	22	80	M8	47.5	10	36	90	8	116.5	164	30	3	145	M8	19	110	60	10	130	6	24.5
TypeⅢ	100	6.5	22	80	M8	47.5	10	36	90	8	116.5	164	30	3	145	M8	22	110	60	10	130	6	24.5
TypeⅣ	100	6.5	22	80	M8	47.5	10	36	90	8	116.5	164	30	3	145	M8	24	110	60	10	130	6	24.5

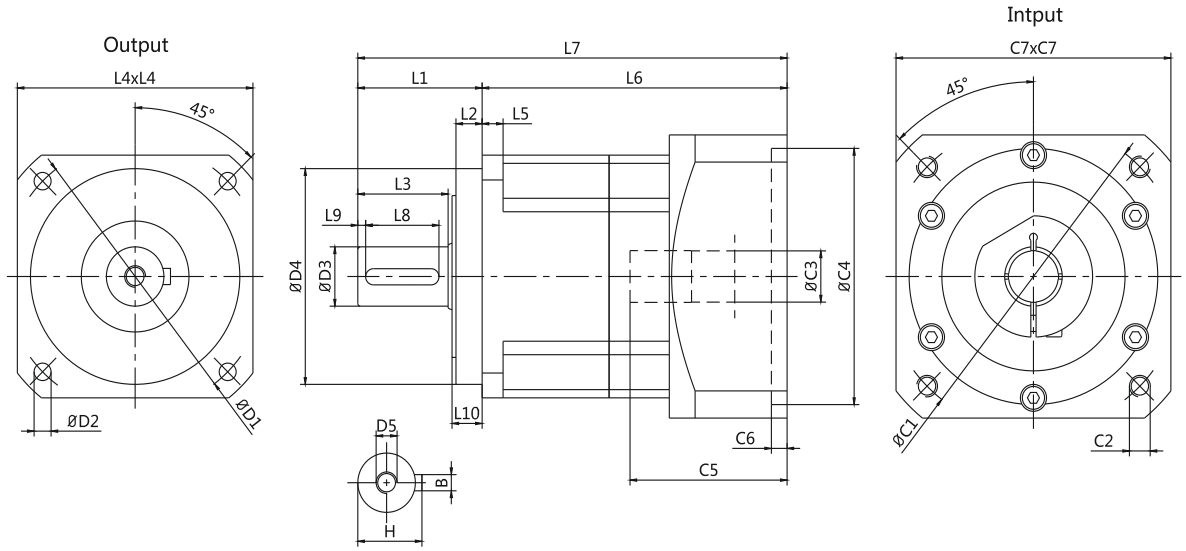
ASGA090-L2



ASGA090-L2																						
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	6.5	22	80	M8	47.5	10	36	90	8	135.5	183	30	3	90	M5	19	70	46	6	90	6	24.5
TypeⅡ	100	6.5	22	80	M8	47.5	10	36	90	8	118.5	166	30	3	70	M4	14	50	32.5	6	60	6	24.5

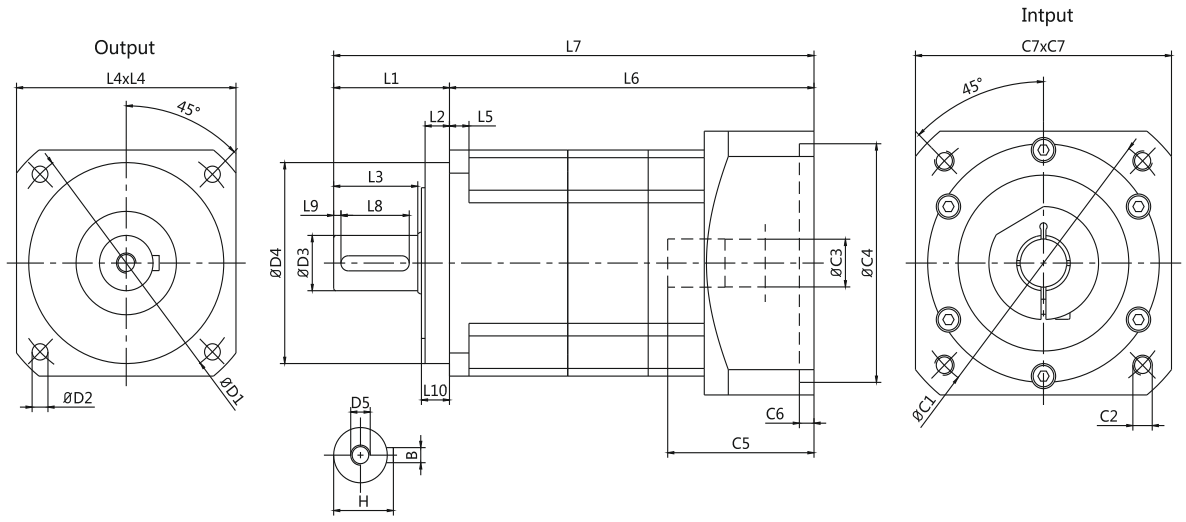
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGA120-L1



ASGA120-L1																								
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
TypeⅠ	130	9	32	110	M12	65	12	49	115	10	136	201	40	5	14	145	M8	22	110	62.5	8	130	10	35
TypeⅡ	130	9	32	110	M12	65	12	49	115	10	136	201	40	5	14	145	M8	24	110	62.5	8	130	10	35

ASGA120-L2



ASGA120-L2																								
Dimension	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
TypeⅠ	130	9	32	110	M12	65	12	49	115	10	173	238	40	5	14	145	M8	22	110	62.5	8	130	10	35
TypeⅡ	130	9	32	110	M12	65	12	49	115	10	173	238	40	5	14	145	M8	24	110	62.5	8	130	10	35
TypeⅢ	130	9	32	110	M12	65	12	49	115	10	154.5	219.5	40	5	14	90	M5	19	70	47.5	6	90	10	35

※Dimension can be customized according to the motor,if necessary,please contact us!

ASGA060															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	55	50	60	50	40	55	50	60	55	50	50	60	50	40
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	5000													
Max. Input Speed n_{1B}	rpm	10000													
Torsional Rigidity	Nm/arcmin	7													
Max. Radial Load F_{2rB}	N	1530													
Max. Axial Load F_{2aB}	N	630													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、 ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

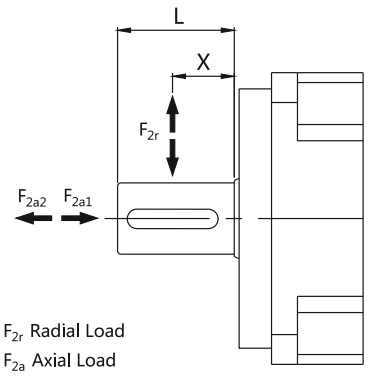
ASGA090															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	130	140	160	140	100	130	140	160	150	140	140	160	140	100
Emergency Stop Torque T_{2NOT}	Nm	2.5倍额定输出扭矩 2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	14													
Max. Radial Load F_{2rB}	N	3250													
Max. Axial Load F_{2aB}	N	1300													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、1M ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.61	0.48	0.47	0.45	0.44	0.47	0.47	0.47	0.44	0.45	0.44	0.44	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

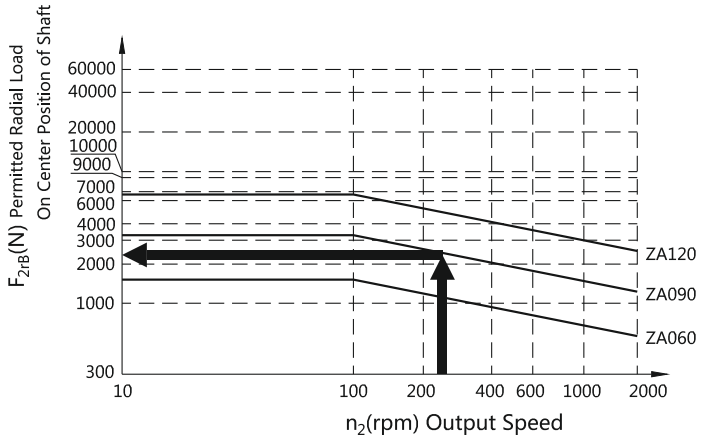
ASGA120															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	208	290	330	300	230	208	290	330	310	300	290	330	300	230
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	25													
Max. Radial Load F_{2rB}	N	6700													
Max. Axial Load F_{2aB}	N	3000													
Service Life	hr	20000 ①)													
Noise	dB	≤65 =3000rpm、1M ②)													
Operating Temp	℃	-10 ~ +90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	3.25	2.74	2.71	2.62	2.57	2.71	2.71	2.71	2.57	2.62	2.57	2.57	0.44	0.44
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

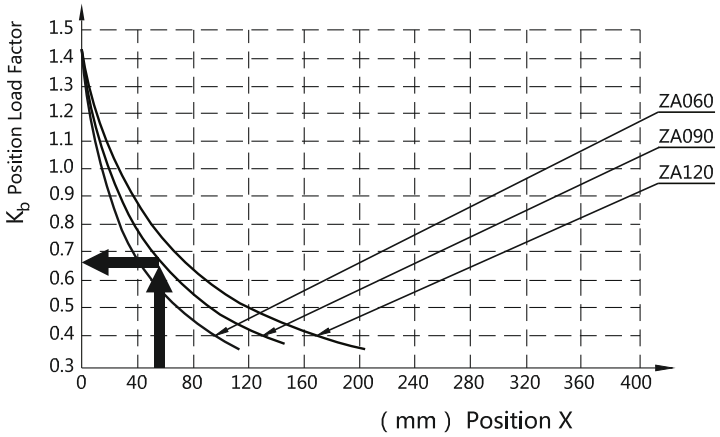
Permitted Radial And Axial Loads on Output Shaft of the Reducer



Large size, large span double bearing design, can withstand greater radial load and axial load.

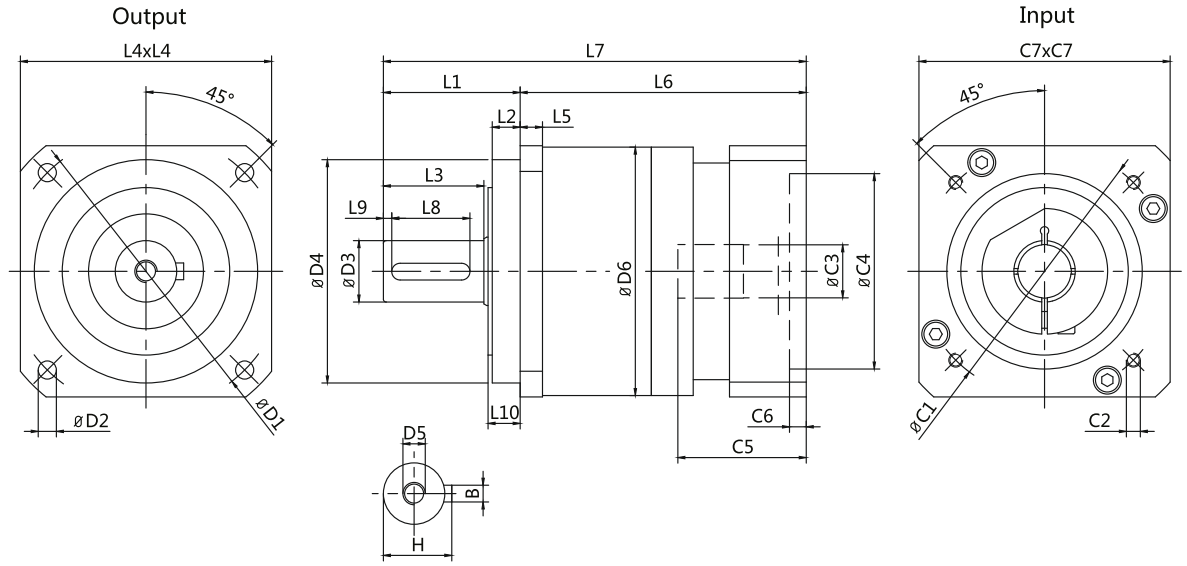


If the radial force F_{2r} is applied to the center of the output shaft X = 0.5L, the service life is 20,000 hours (continuous operation, half-life), the left figure shows the permitted radial load, then the permitted axial load is :
$F_{2a1B}=0.2\times F_{2rB}$, $F_{2a2B}=0.1\times F_{2rB}$



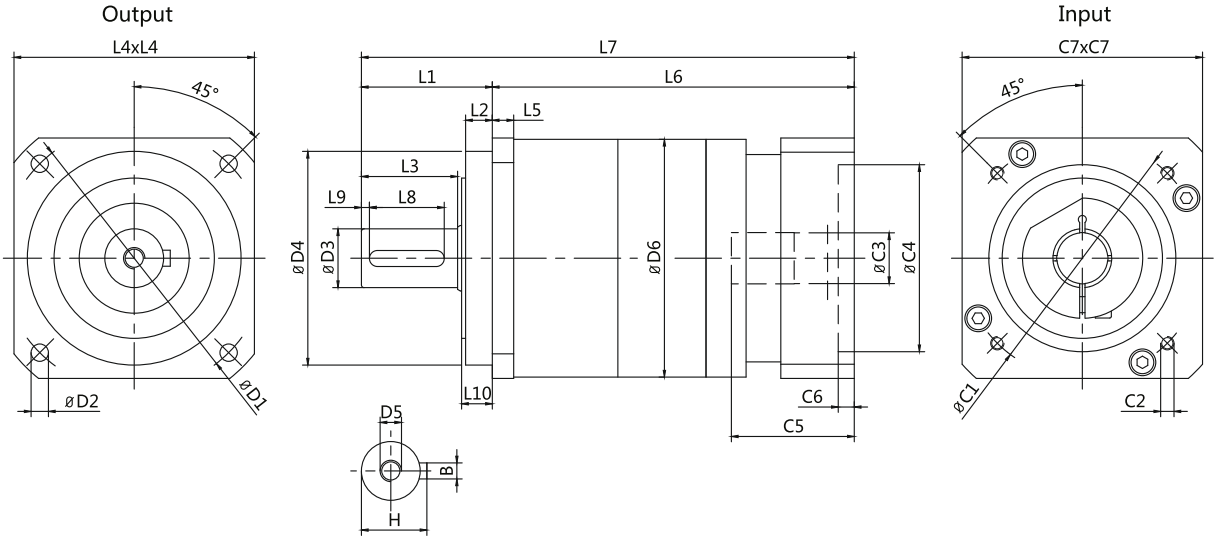
If radial force F_{2r} not exert on the center of the output shaft, Closer to the speed reducer (X < 0.5L), the greater the permitted radial load, the farther away from the reducer(X > 0.5L), the smaller the permitted radial load. Can be obtained from the left diagram,
Permitted radial load :
$F'_{2rB}=Kb\times F_{2rB}$
Permitted axial load :
$F'_{2a1B}=0.2\times F'_{2rB}$
$F'_{2a2B}=0.1\times F'_{2rB}$

ASGB060-L1



ASGB060-L1																								
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	5.5	16	50	M5	60	37	7	28.5	60	8	76	113	20	3	7.5	70	M4	14	50	32.5	5.5	60	5	18
TypeⅡ	70	5.5	16	50	M5	60	37	7	28.5	60	8	92.5	129.5	20	3	7.5	90	M5	19	70	43	6	80	5	18

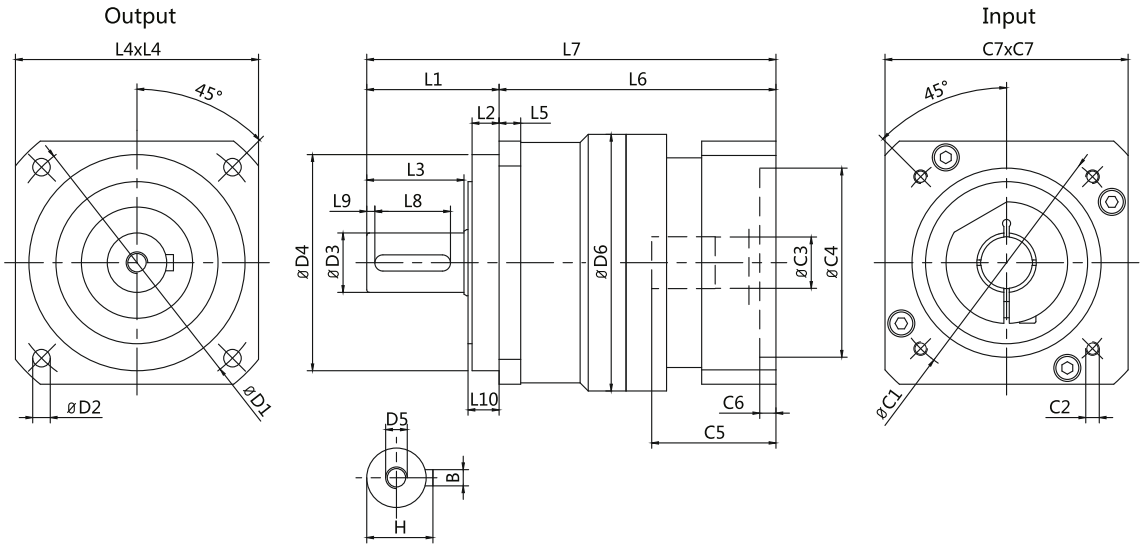
ASGB060-L2



ASGB060-L2																								
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	5.5	16	50	M5	60	37	7	28.5	60	8	96	133	20	3	7.5	70	M4	14	50	32.5	5.5	60	5	18
TypeⅡ	70	5.5	16	50	M5	60	37	7	28.5	60	8	96	133	20	3	7.5	70	M4	11	50	32.5	5.5	60	5	18

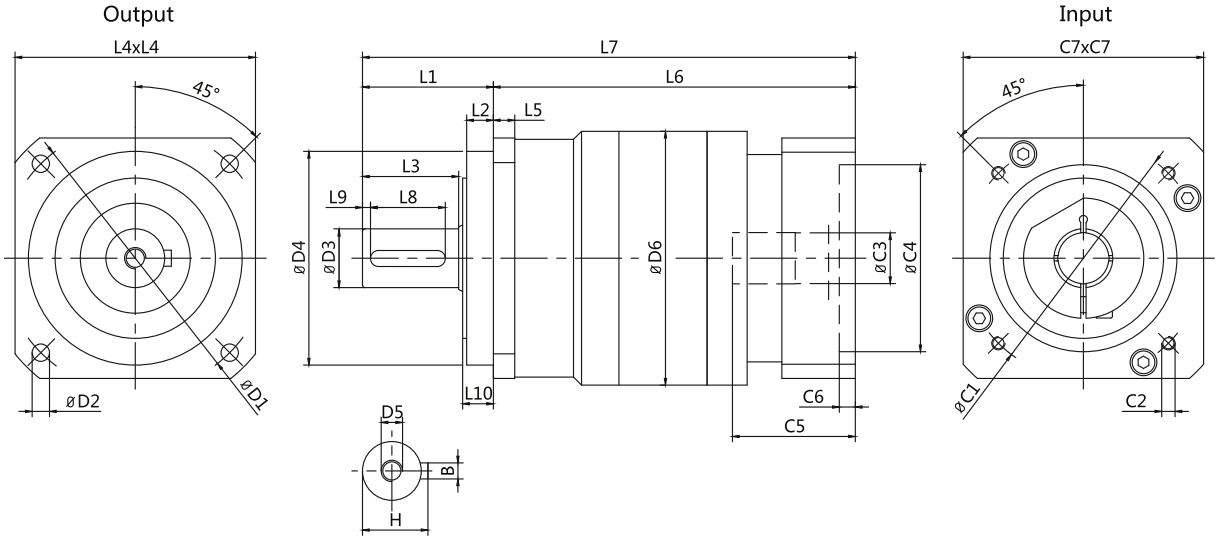
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGB090-L1



ASGB090-L1																							
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	104	151.5	30	3	9	90	M5	19	70	47.5	6	90	6	24.5
TypeⅡ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	116.5	164	30	3	9	145	M8	19	110	60	10	130	6	24.5
TypeⅢ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	116.5	164	30	3	9	145	M8	22	110	60	10	130	6	24.5
TypeⅣ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	116.5	164	30	3	9	145	M8	24	110	60	10	130	6	24.5

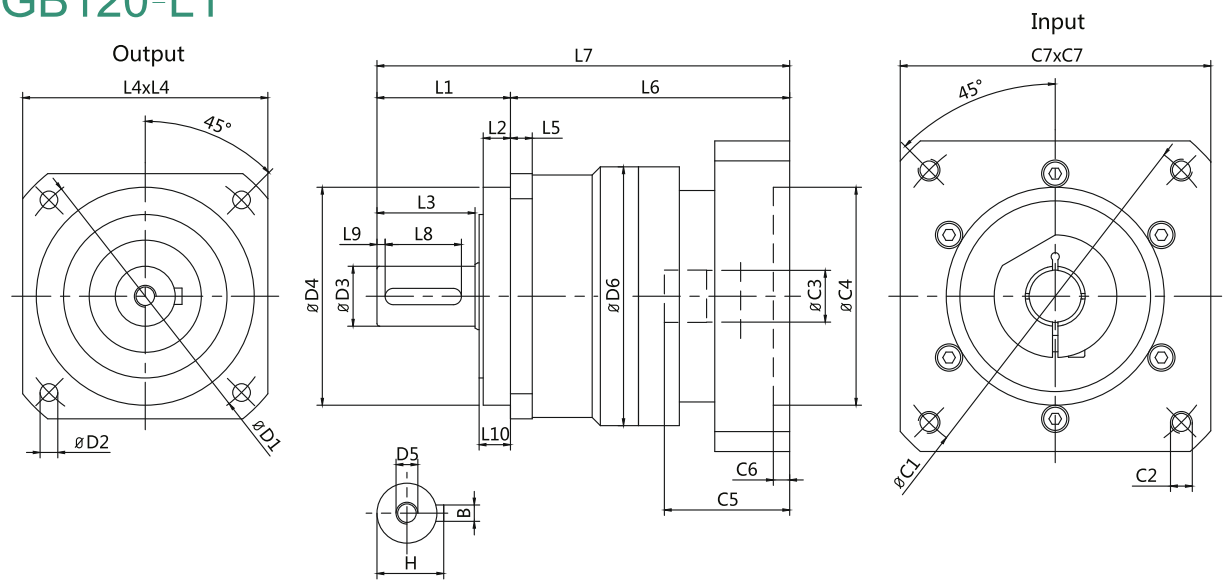
ASGB090-L2



ASGB090-L2																							
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	137	184.5	30	3	9	90	M5	19	70	47.5	6	90	6	24.5
TypeⅡ	100	6.5	22	80	M8	95	47.5	8.5	36	90	8	118.5	166	30	3	9	70	M4	14	50	32.5	5.5	60	6	24.5

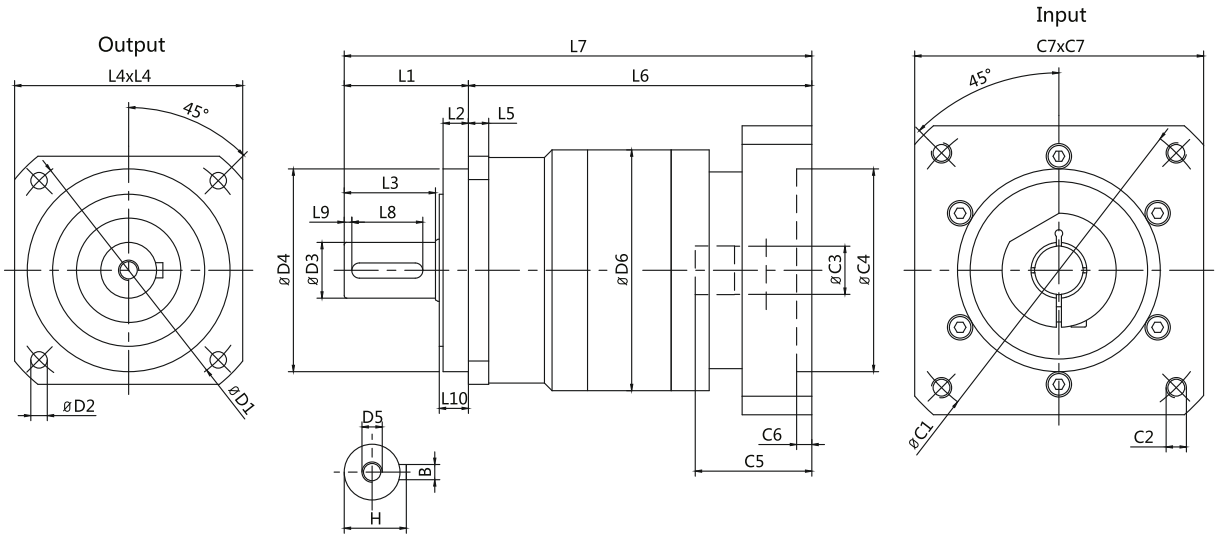
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGB120-L1



ASGB120-L1																								
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	130	9	32	110	M12	125	65	12	49	115	10	136	201	40	5	14	145	M8	22	110	62.5	8	130	10	35
TypeⅡ	130	9	32	110	M12	125	65	12	49	115	10	136	201	40	5	14	145	M8	24	110	62.5	8	130	10	35

ASGB120-L2



ASGB120-L2																								
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	130	9	32	110	M12	125	65	12	49	115	10	173	238	40	5	14	145	M8	22	110	62.5	8	130	10	35
TypeⅡ	130	9	32	110	M12	125	65	12	49	115	10	173	238	40	5	14	145	M8	24	110	62.5	8	130	10	35
TypeⅢ	130	9	32	110	M12	125	65	12	49	115	10	154.5	219.5	40	5	14	90	M5	19	70	47.5	6	90	10	35

※Dimension can be customized according to the motor,if necessary,please contact us!

ASGB060

Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	55	50	60	50	40	55	50	60	55	50	50	60	50	40
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	5000													
Max. Input Speed n_{1B}	rpm	10000													
Torsional Rigidity	Nm/arcmin	7													
Max. Radial Load F_{2rB}	N	1530													
Max. Axial Load F_{2aB}	N	630													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、 ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

ASGB090

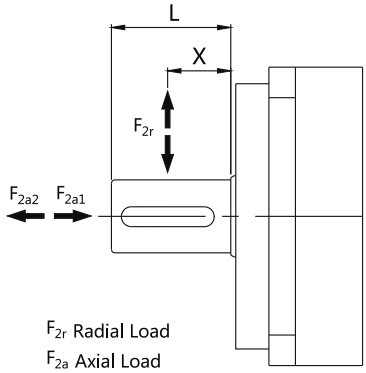
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	130	140	160	140	100	130	140	160	150	140	140	160	140	100
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	14													
Max. Radial Load F_{2rB}	N	3250													
Max. Axial Load F_{2aB}	N	1300													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、 ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.61	0.48	0.47	0.45	0.44	0.47	0.47	0.47	0.44	0.45	0.44	0.44	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

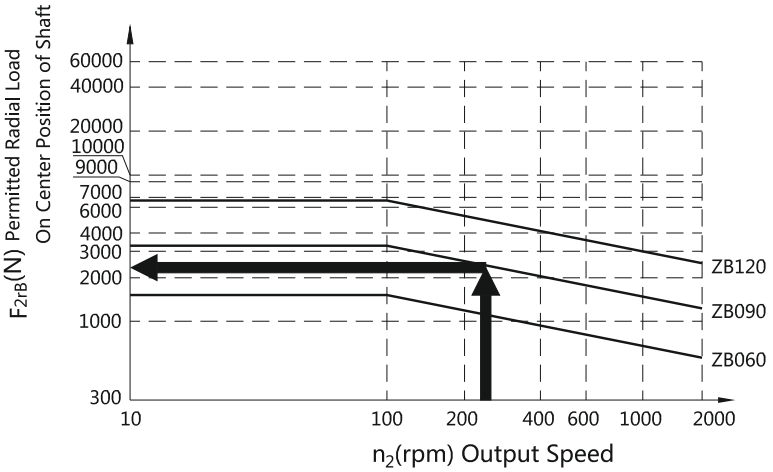
ASGB120															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	208	290	330	300	230	208	290	330	310	300	290	330	300	230
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	25													
Max. Radial Load F_{2rB}	N	6700													
Max. Axial Load F_{2aB}	N	3000													
Service Life	hr	20000 ①)													
Noise	dB	≤65 =3000rpm、1M ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	3.25	2.74	2.71	2.62	2.57	2.71	2.71	2.71	2.57	2.62	2.57	2.57	0.44	0.44
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

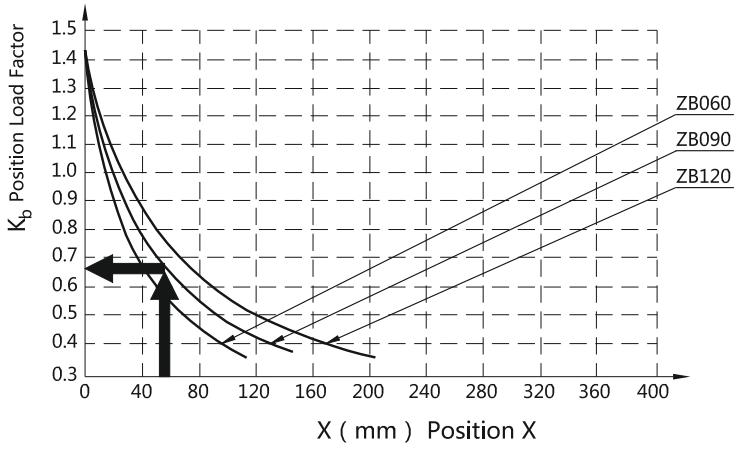
Permitted Radial And Axial Loads on Output Shaft of the Reducer



Large size, large span double bearing design, can withstand greater radial load and axial load.

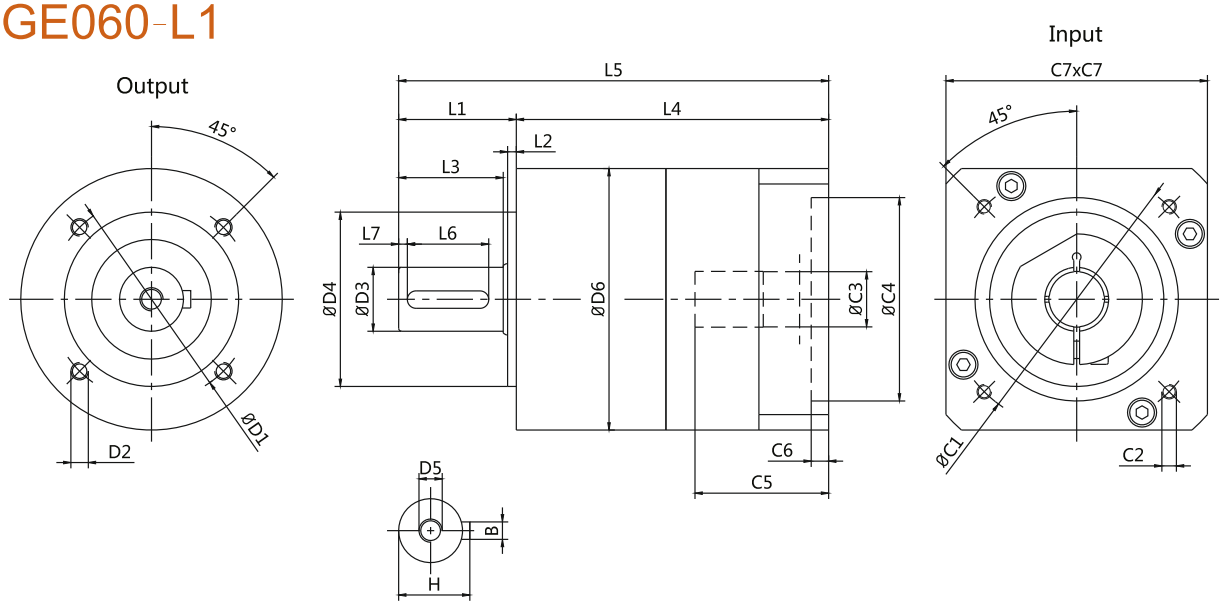


If the radial force F_{2r} is applied to the center of the output shaft X = 0.5L, the service life is 20,000 hours (continuous operation, half-life), the left figure shows the permitted radial load, then the permitted axial load is :
$F_{2a1B}=0.2\times F_{2rB}$, $F_{2a2B}=0.1\times F_{2rB}$



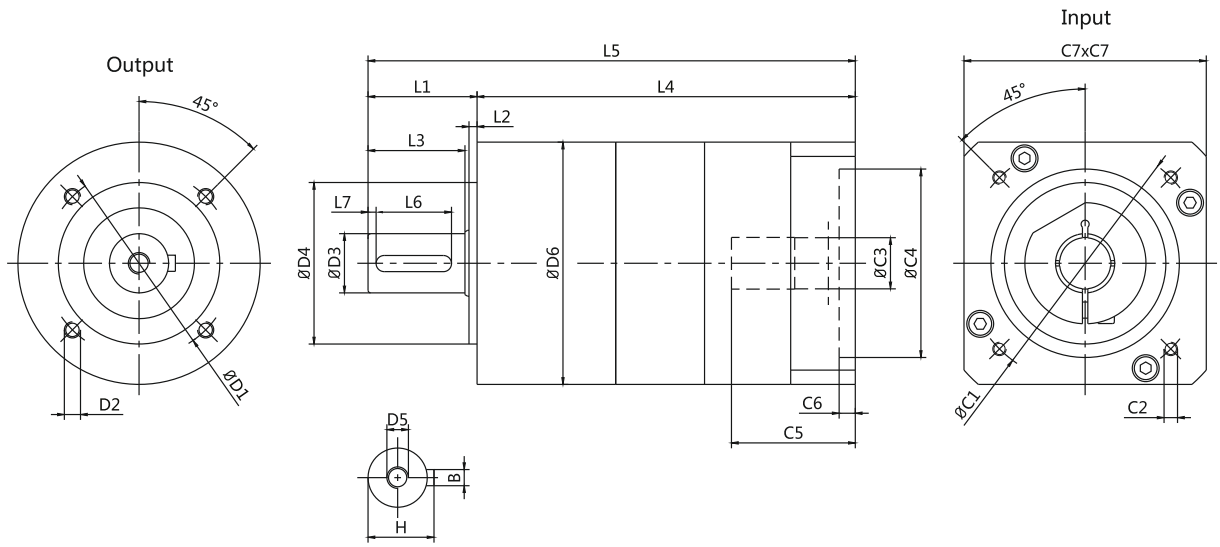
If radial force F_{2r} not exert on the center of the output shaft, Closer to the speed reducer (X < 0.5L), the greater the permitted radial load, the farther away from the reducer(X > 0.5L), the smaller the permitted radial load. Can be obtained from the left diagram,
Permitted radial load :
$F'_{2rB}=Kb\times F_{2rB}$
Permitted axial load :
$F'_{2a1B}=0.2\times F'_{2rB}$
$F'_{2a2B}=0.1\times F'_{2rB}$

ASGE060-L1



ASGE060-L1																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	52	M5	14	40	M5	60	27.5	3	23.5	80.5	108	20	3	70	M4	14	50	32.5	5.5	60	5	16
TypeⅡ	52	M5	14	40	M5	60	27.5	3	23.5	97	124.5	20	3	90	M5	19	70	43	6	80	5	16

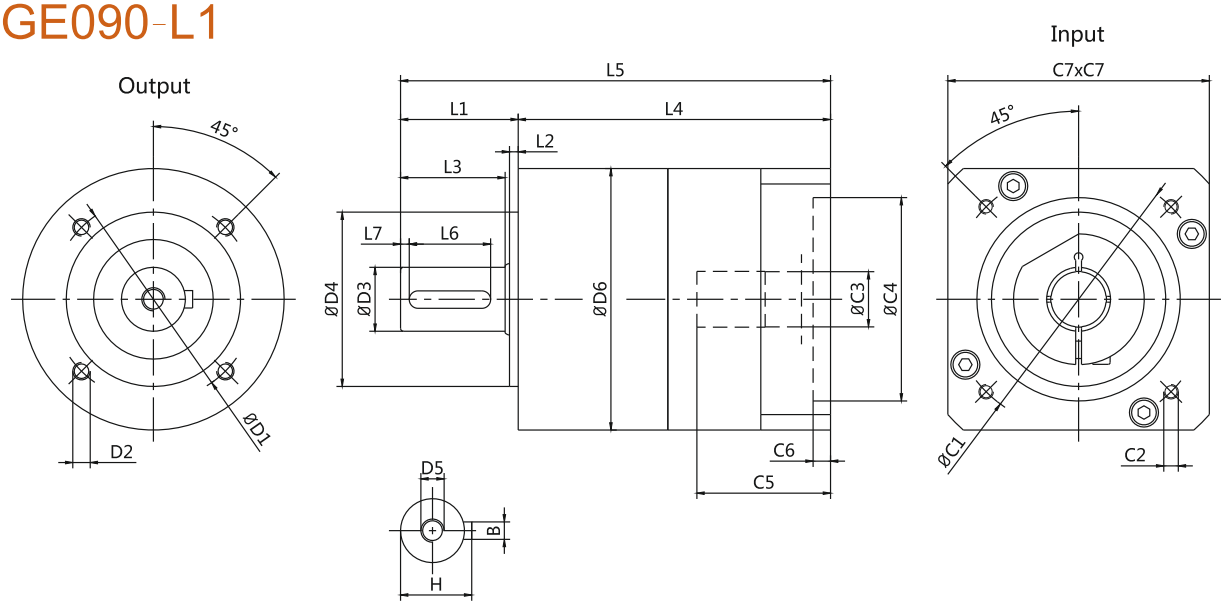
ASGE060-L2



ASGE060-L2																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	52	M5	14	40	M5	60	27.5	3	23.5	100.5	128	20	3	70	M4	14	50	32.5	5.5	60	5	16
TypeⅡ	52	M5	14	40	M5	60	27.5	3	23.5	100.5	128	20	3	70	M4	11	50	32.5	5.5	60	5	16

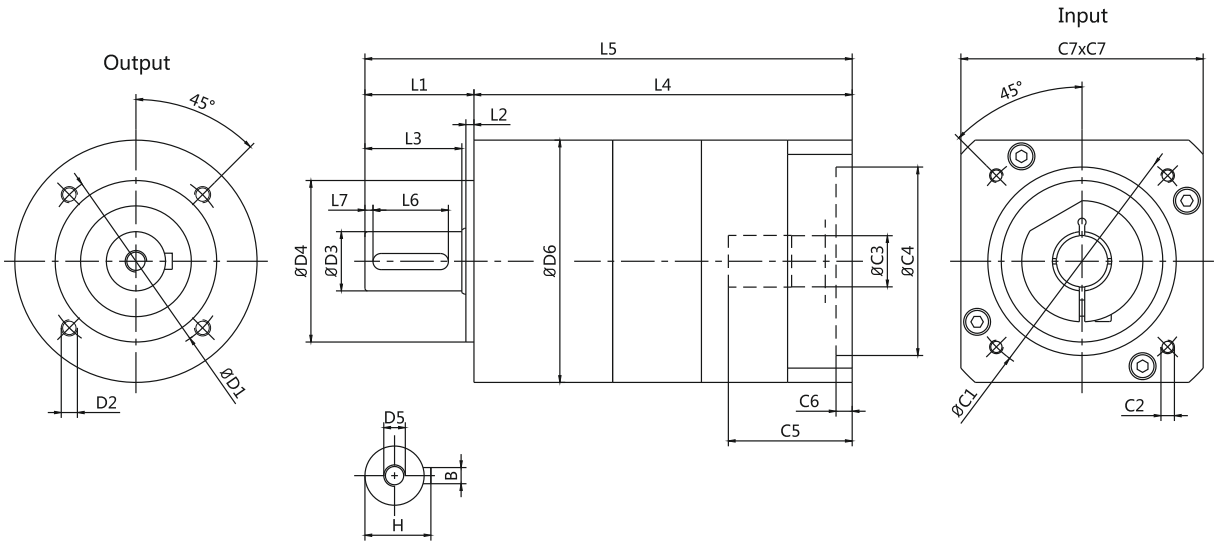
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGE090-L1



ASGE090-L1																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	M6	20	60	M8	90	40.5	3	36.5	107.5	148	30	3	90	M5	19	70	47	6	90	6	22.5
TypeⅡ	70	M6	20	60	M8	90	40.5	3	36.5	122	162.5	30	3	145	M8	19	110	61.5	10	130	6	22.5
TypeⅢ	70	M6	20	60	M8	90	40.5	3	36.5	122	162.5	30	3	145	M8	22	110	61.5	10	130	6	22.5
TypeⅣ	70	M6	20	60	M8	90	40.5	3	36.5	122	162.5	30	3	145	M8	24	110	61.5	10	130	6	22.5

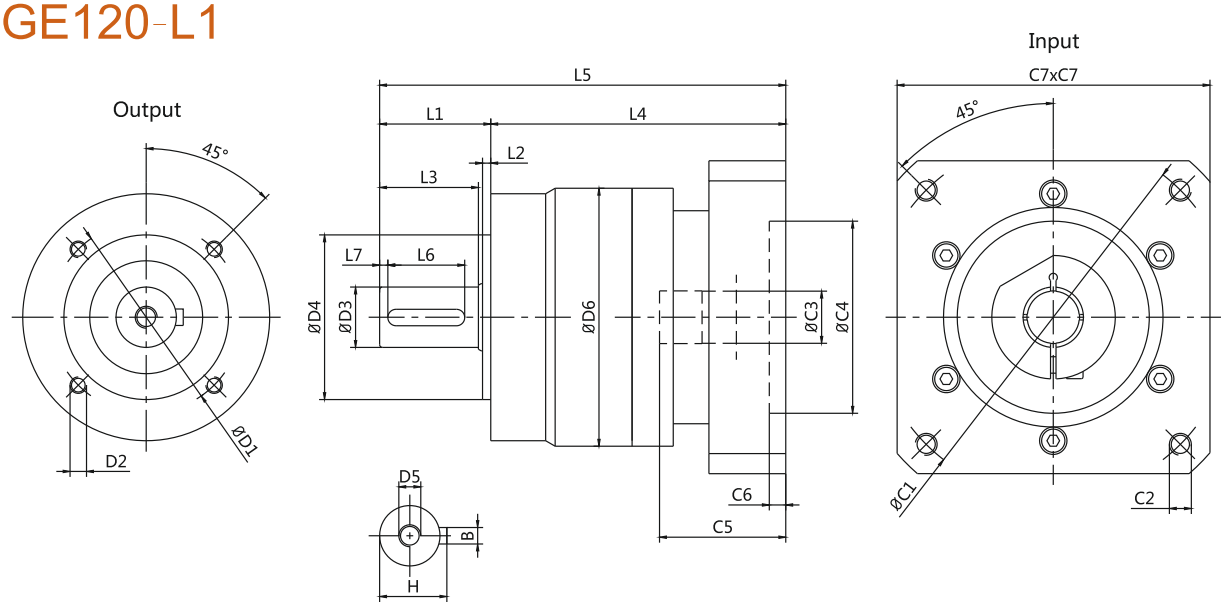
ASGE090-L2



ASGE090-L2																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	70	M6	20	60	M8	90	40.5	3	36.5	135	175.5	30	3	90	M5	19	70	47	6	90	6	22.5
TypeⅡ	70	M6	20	60	M8	90	40.5	3	36.5	120	160.5	30	3	70	M4	14	50	32.5	5.5	60	6	22.5

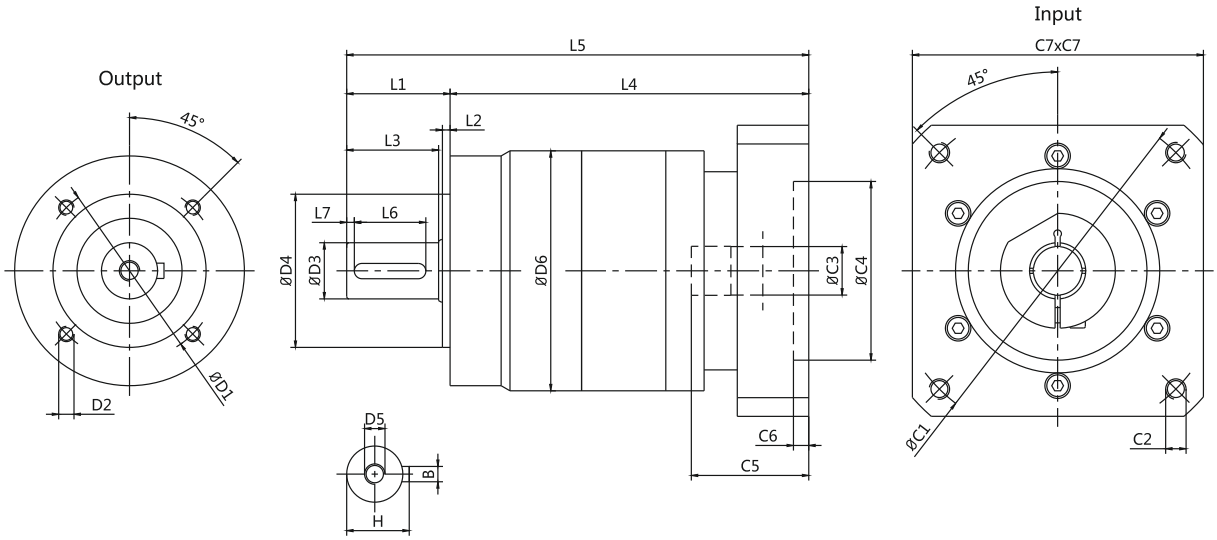
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGE120-L1



ASGE120-L1																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	M10	25	80	M8	125	55	4	49	136	191	40	5	145	M8	22	110	62.5	8	130	8	28
TypeⅡ	100	M10	25	80	M8	125	55	4	49	136	191	40	5	145	M8	24	110	62.5	8	130	8	28

ASGE120-L2



ASGE120-L2																					
Dimension	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7	B	H
Type Ⅰ	100	M10	25	80	M8	125	55	4	49	173	228	40	5	145	M8	22	110	62.5	8	130	8	28
TypeⅡ	100	M10	25	80	M8	125	55	4	49	173	228	40	5	145	M8	24	110	62.5	8	130	8	28
TypeⅢ	100	M10	25	80	M8	125	55	4	49	154.5	209.5	40	5	90	M5	19	70	47.5	6	90	8	28

※Dimension can be customized according to the motor,if necessary,please contact us!

ASGE060															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	35	40	45	40	30	35	45	45	40	40	40	45	40	30
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	5000													
Max. Input Speed n_{1B}	rpm	10000													
Torsional Rigidity	Nm/arcmin	5													
Max. Radial Load F_{2rB}	N	1300													
Max. Axial Load F_{2aB}	N	550													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、1M ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤5								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

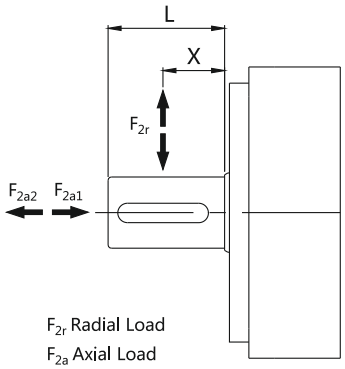
ASGE090															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	100	110	125	110	80	100	110	125	110	125	110	125	110	80
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	11													
Max. Radial Load F_{2rB}	N	2800													
Max. Axial Load F_{2aB}	N	1000													
Service Life	hr	20000 ①)													
Noise	dB	≤60 =3000rpm、1M ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	0.61	0.48	0.47	0.45	0.44	0.47	0.47	0.47	0.44	0.45	0.44	0.44	0.13	0.13
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

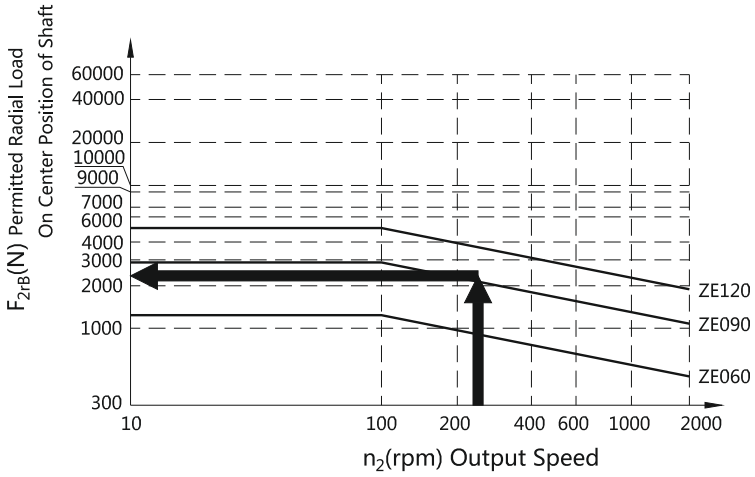
ASGE120															
Ratio		3	4	5	7	10	15	20	25	30	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	170	220	250	200	180	170	220	250	220	200	220	250	200	180
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque													
Nominal Input Speed n_{1N}	rpm	4000													
Max. Input Speed n_{1B}	rpm	8000													
Torsional Rigidity	Nm/arcmin	18													
Max. Radial Load F_{2rB}	N	5200													
Max. Axial Load F_{2aB}	N	2300													
Service Life	hr	20000 ①)													
Noise	dB	≤65 =3000rpm、1M ②)													
Operating Temp	℃	-10～+90													
Degree of Reducer Protection		IP65													
Lubrication		Synthetic lubrication oils													
Mass Moments of Inertia J_1	kg·cm^2	3.25	2.74	2.71	2.62	2.57	2.71	2.71	2.71	2.57	2.62	2.57	2.57	0.44	0.44
Precision Backlash P1	arcmin	≤3					≤5								
Standard Backlash P2	arcmin	≤5					≤8								
Efficiency η	%	≥95%					≥92%								

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

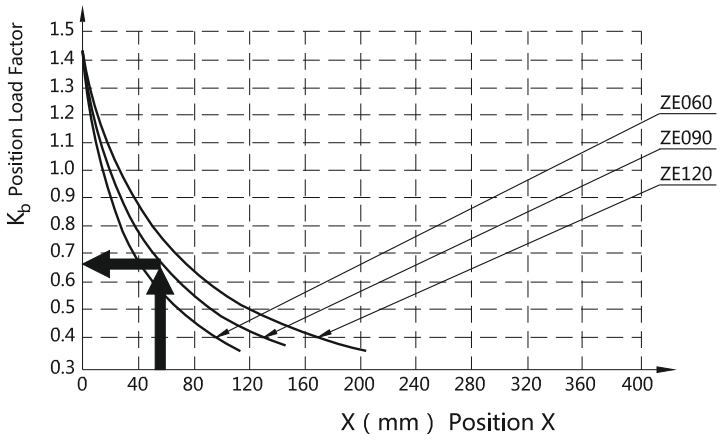
Permitted Radial And Axial Loads on Output Shaft of the Reducer



Large size, large span double bearing design, can withstand greater radial load and axial load.

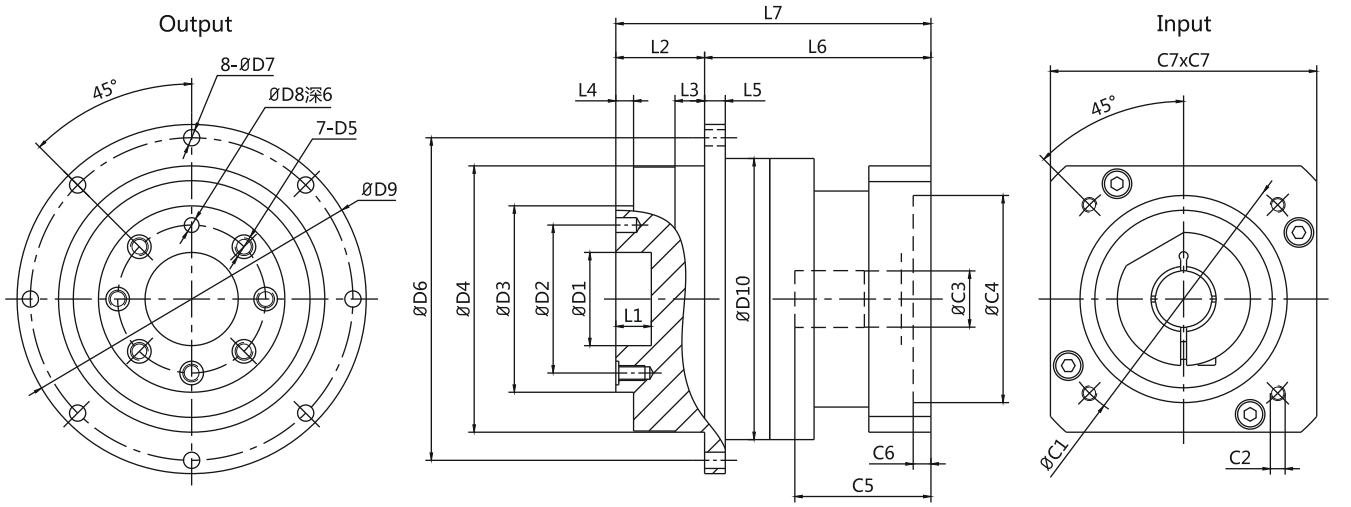


If the radial force F_{2r} is applied to the center of the output shaft X = 0.5L, the service life is 20,000 hours (continuous operation, half-life), the left figure shows the permitted radial load, then the permitted axial load is :
$F_{2a1B}=0.2\times F_{2rB}$, $F_{2a2B}=0.1\times F_{2rB}$



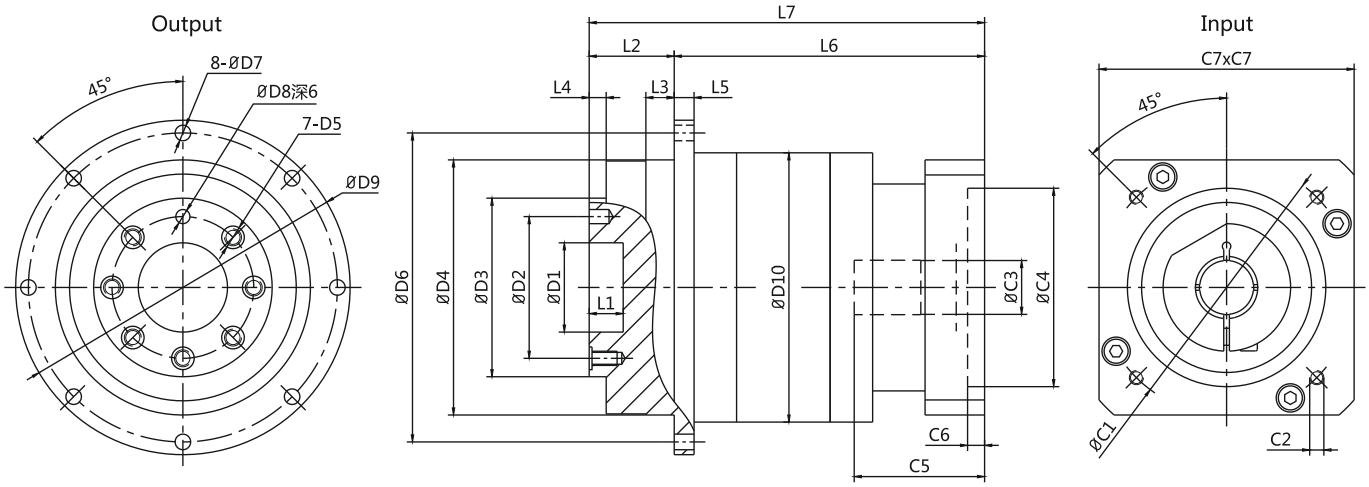
If radial force F_{2r} not exert on the center of the output shaft, Closer to the speed reducer (X < 0.5L), the greater the permitted radial load, the farther away from the reducer(X > 0.5L), the smaller the permitted radial load. Can be obtained from the left diagram,
Permitted radial load :
$F'_{2rB}=Kb\times F_{2rB}$
Permitted axial load :
$F'_{2a1B}=0.2\times F'_{2rB}$
$F'_{2a2B}=0.1\times F'_{2rB}$

ASGF060-L1



ASGF060-L1																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	20	31.5	40	64	M5	79	4.5	5	86	70	8	19.5	8	3	4	64.5	84	70	M4	14	50	32.5	5.5	60
TypeⅡ	20	31.5	40	64	M5	79	4.5	5	86	70	8	19.5	8	3	4	81	100.5	90	M5	19	70	43	6	80

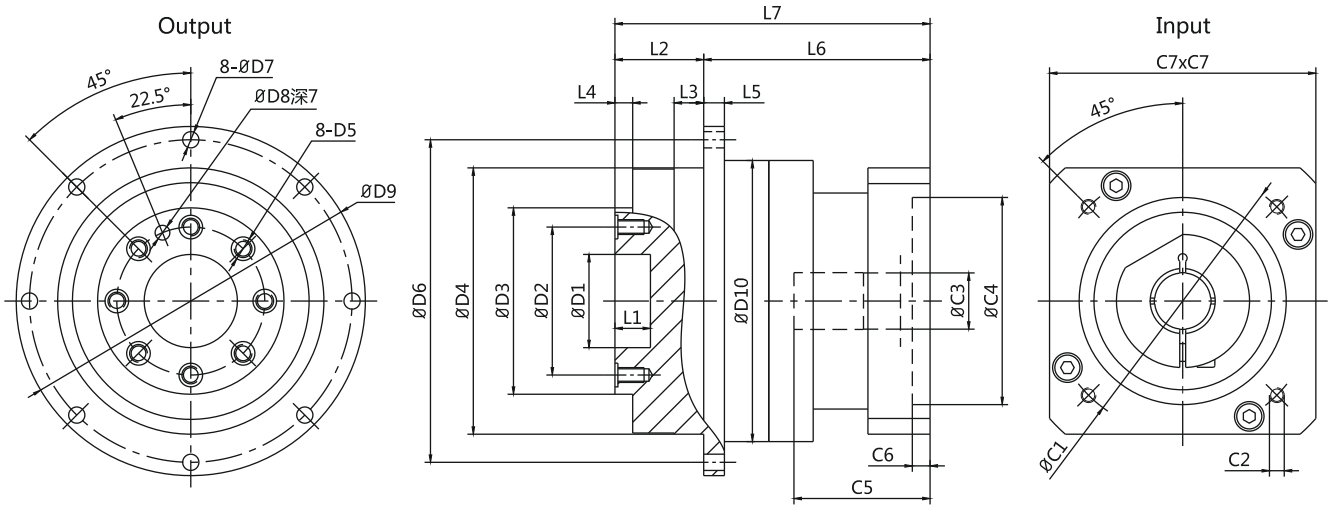
ASGF060-L2



ASGF060-L2																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	20	31.5	40	64	M5	79	4.5	5	86	70	8	19.5	8	3	4	84.5	104	70	M4	14	50	32.5	5.5	60
TypeⅡ	20	31.5	40	64	M5	79	4.5	5	86	70	8	19.5	8	3	4	84.5	104	70	M4	11	50	32.5	5.5	60

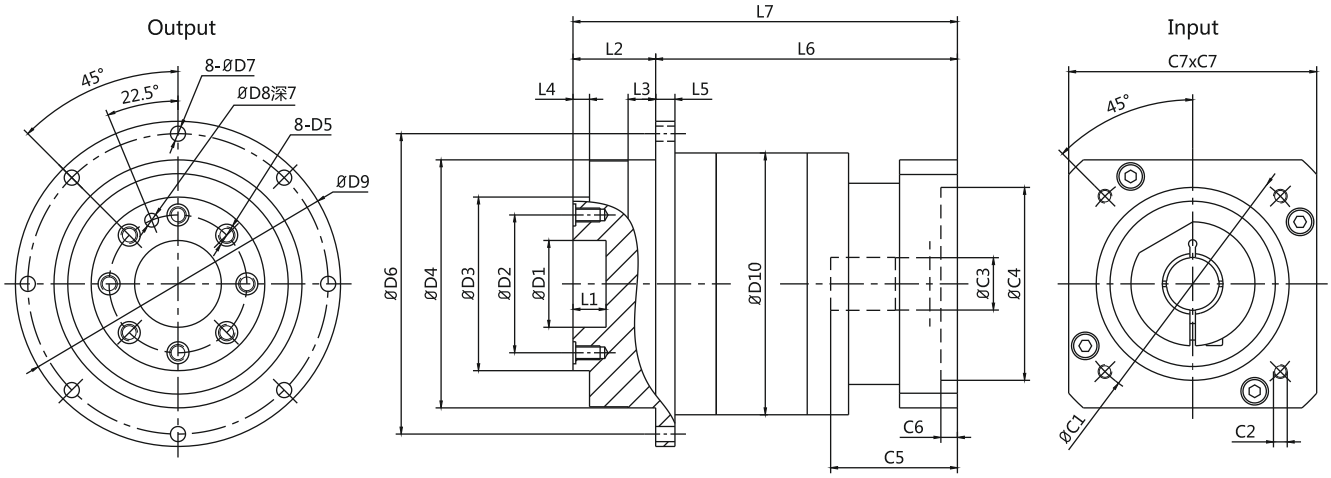
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGF090-L1



ASGF090-L1																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	76.5	106.5	90	M5	19	70	45.5	6	90
TypeⅡ	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	92.5	122.5	145	M8	19	110	61.5	10	130
TypeⅢ	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	92.5	122.5	145	M8	22	110	61.5	10	130
TypeIV	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	92.5	122.5	145	M8	24	110	61.5	10	130

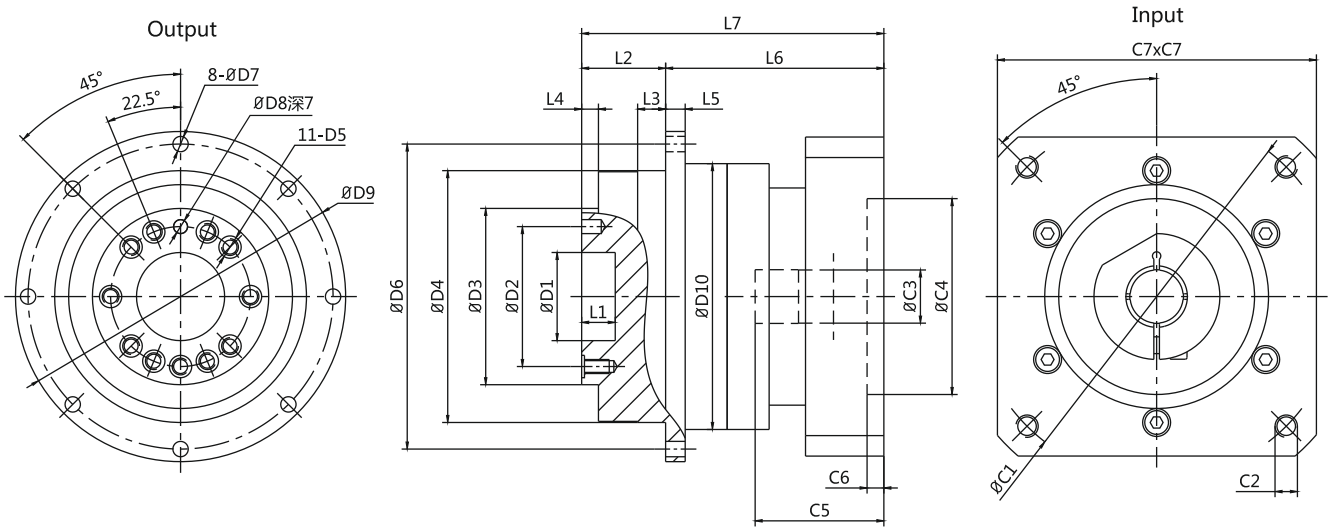
ASGF090-L2



ASGF090-L2																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	104.5	134.5	90	M5	19	70	45.5	6	90
TypeⅡ	31.5	50	63	90	M6	109	5.5	6	118	95	12	30	10	6	7	92	122	70	M4	14	50	32.5	5.5	60

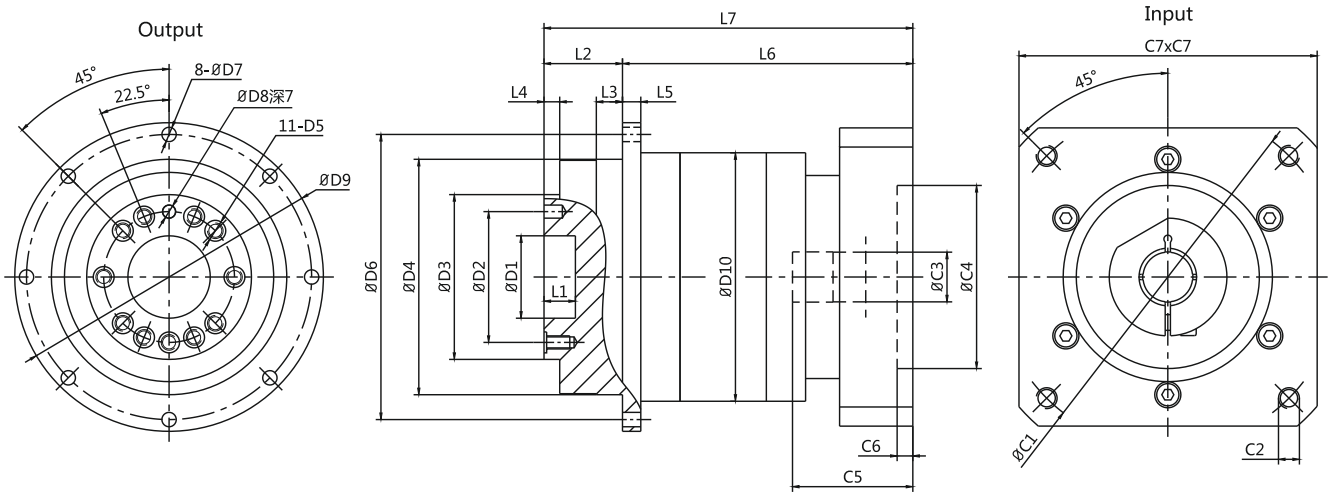
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGF120-L1



ASGF120-L1																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
TypeⅠ	40	63	80	110	M6	135	5.5	6	145	115	13	29	8	7	8	117	146	145	M8	22	110	67	8	130
TypeⅡ	40	63	80	110	M6	135	5.5	6	145	115	13	29	8	7	8	117	146	145	M8	24	110	67	8	130

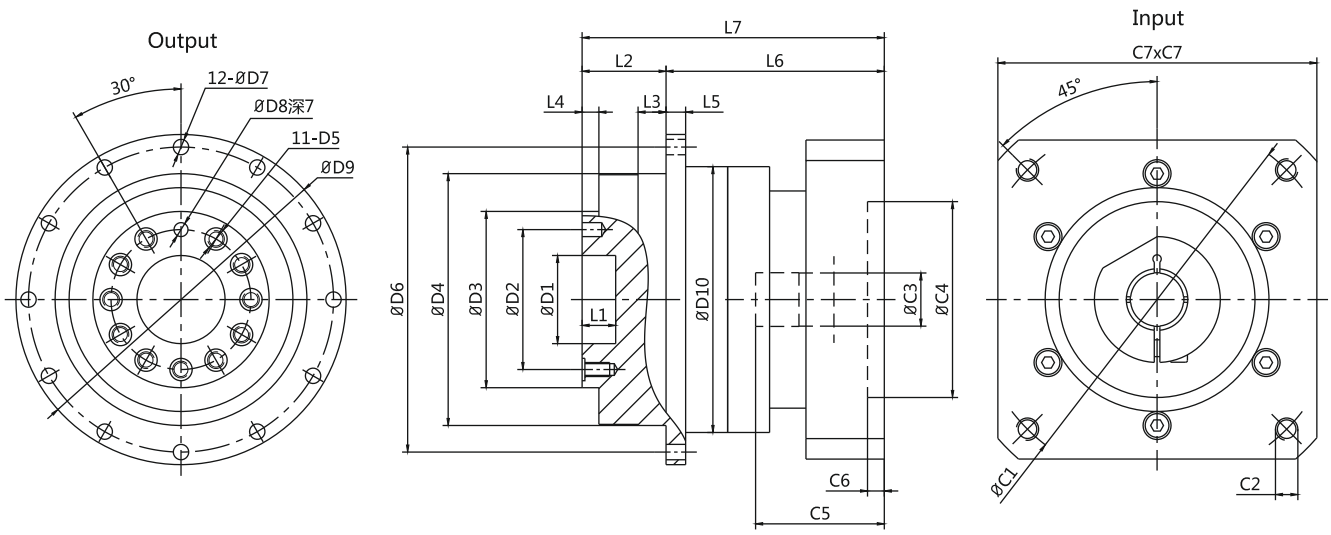
ASGF120-L2



ASGF120-L2																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
TypeⅠ	40	63	80	110	M6	135	5.5	6	145	115	13	29	8	7	8	148	177	145	M8	22	110	67	8	130
TypeⅡ	40	63	80	110	M6	135	5.5	6	145	115	13	29	8	7	8	148	177	145	M8	24	110	67	8	130
TypeⅢ	40	63	80	110	M6	135	5.5	6	145	115	13	29	8	7	8	125	154	90	M5	19	70	45.5	6	90

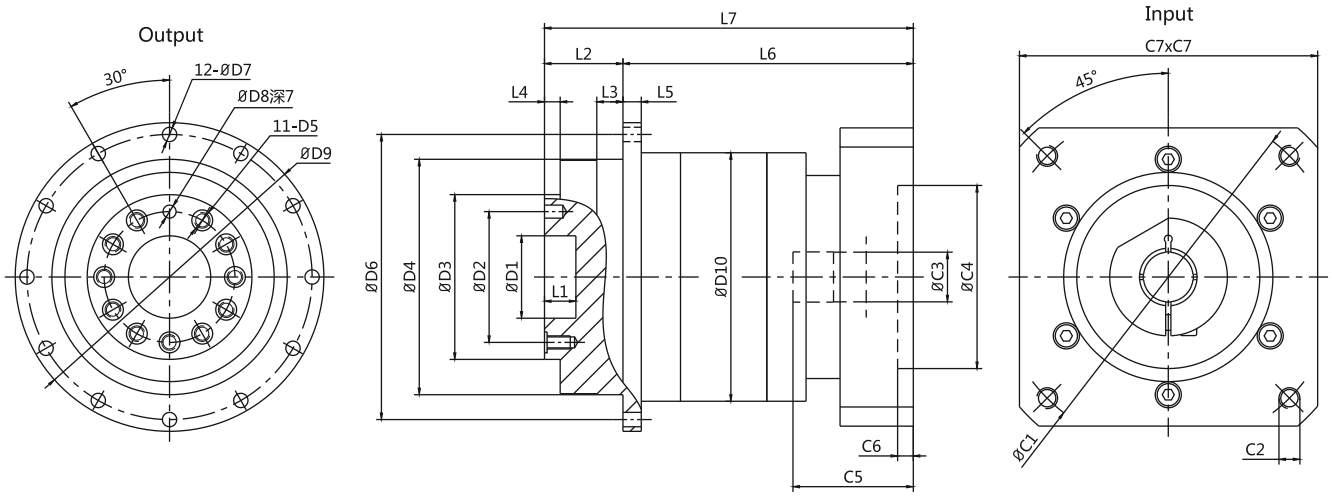
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGF140-L1



ASGF140-L1																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	50	80	100	140	M8	168	6.5	8	179	152.5	12	38	14.5	7.5	10	138	176	200	M12	35	114.3	83	10	180

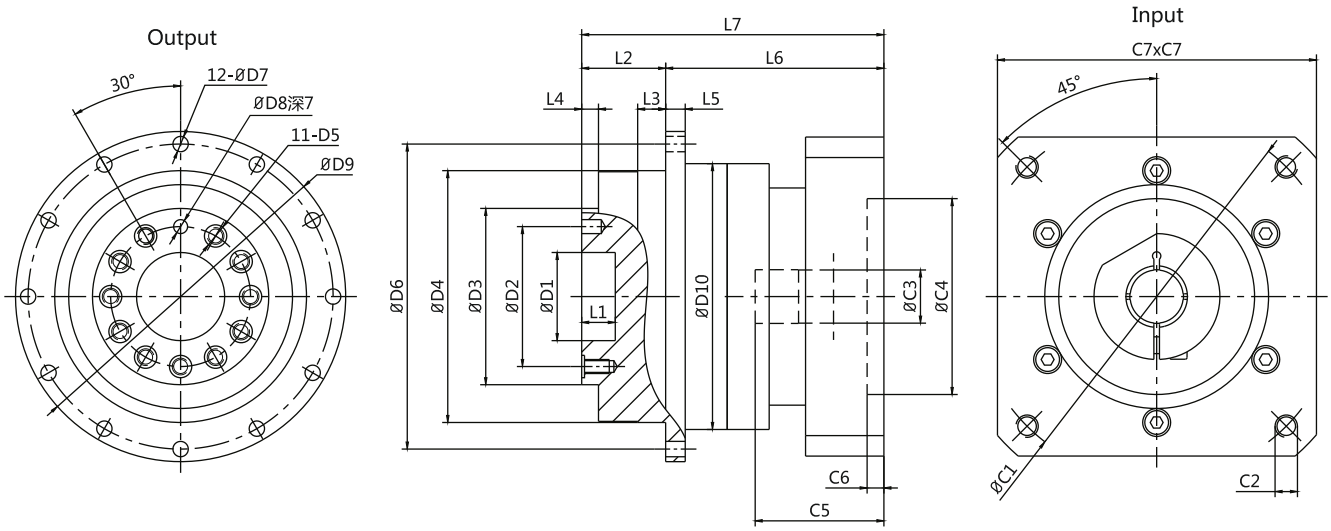
ASGF140-L2



ASGF140-L2																							
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	50	80	100	140	M8	168	6.5	8	179	152.5	12	38	14.5	7.5	10	175.5	213.5	200	M12	35	114.3	83	10	180
TypeⅡ	50	80	100	140	M8	168	6.5	8	179	152.5	12	38	14.5	7.5	10	171.5	209.5	145	M8	22	110	79	8	130
TypeⅢ	50	80	100	140	M8	168	6.5	8	179	152.5	12	38	14.5	7.5	10	171.5	209.5	145	M8	24	110	79	8	130

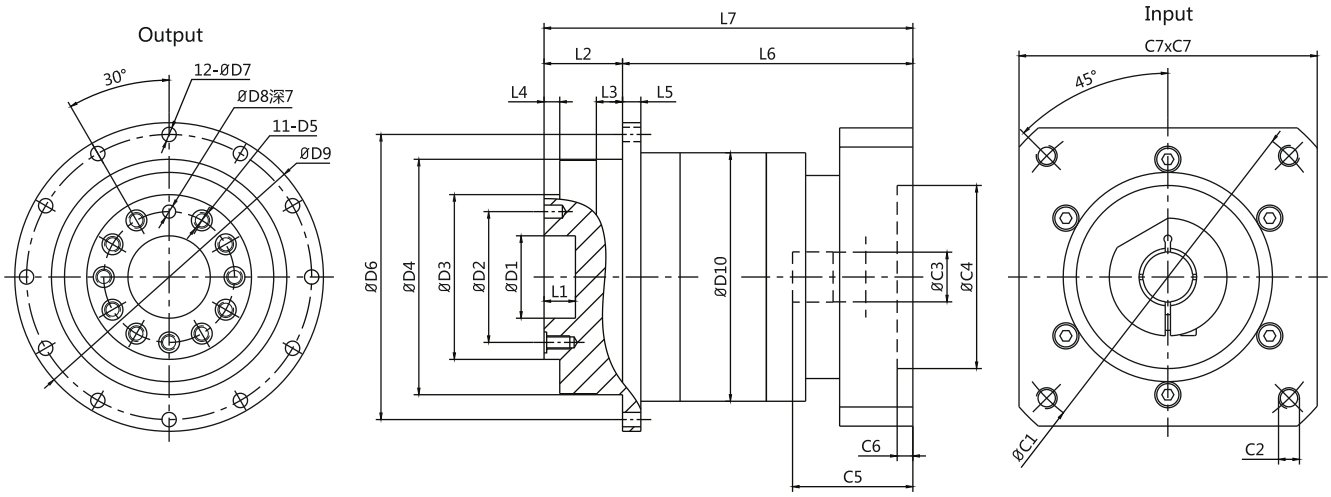
※Dimension can be customized according to the motor,if necessary,please contact us!

ASGF180-L1



ASGF180-L1																						
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	80	125	160	200	M10	233	9	10	247	212	16	50	15	8	12	200.5	250.5	200	M12	42	114.3	82	10	180

ASGF180-L2



ASGF180-L2																						
Dimension	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	※C1	※C2	※C3	※C4	※C5	※C6	※C7
Type Ⅰ	80	125	160	200	M10	233	9	10	247	212	16	50	15	8	12	252.5	302.5	200	M12	42	114.3	82	10	180
TypeⅡ	80	125	160	200	M10	233	9	10	247	212	16	50	15	8	12	252.5	302.5	200	M12	35	114.3	82	10	180

※Dimension can be customized according to the motor,if necessary,please contact us!

ASGF060												
Ratio		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	48	60	50	40	48	60	50	48	60	50	40
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque										
Nominal Input Speed n_{1N}	rpm	5000										
Max. Input Speed n_{1B}	rpm	10000										
Torsional Rigidity	Nm/arcmin	13										
Max. Bending moment M_{2KB}	Nm	125										
Max. Axial Load F_{2aB}	N	2110										
Service Life	hr	20000 ①)										
Noise	dB	≤60 =3000rpm、1M ②)										
Operating Temp	℃	-10～+90										
Degree of Reducer Protection		IP65										
Lubrication		Synthetic lubrication oils										
Mass Moments of Inertia J_1	kg·cm^2	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Precision Backlash P1	arcmin	≤3				≤5						
Standard Backlash P2	arcmin	≤5				≤8						
Efficiency η	%	≥95%				≥92%						

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

ASGF090												
Ratio		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	130	160	140	100	130	160	140	130	160	140	100
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque										
Nominal Input Speed n_{1N}	rpm	4000										
Max. Input Speed n_{1B}	rpm	8000										
Torsional Rigidity	Nm/arcmin	31										
Max. Bending moment M_{2KB}	Nm	235										
Max. Axial Load F_{2aB}	N	2310										
Service Life	hr	20000 ①)										
Noise	dB	≤60 =3000rpm、1M ②)										
Operating Temp	℃	-10～+90										
Degree of Reducer Protection		IP65										
Lubrication		Synthetic lubrication oils										
Mass Moments of Inertia J_1	kg·cm^2	0.48	0.47	0.45	0.44	0.47	0.47	0.47	0.44	0.44	0.13	0.13
Precision Backlash P1	arcmin	≤3				≤5						
Standard Backlash P2	arcmin	≤5				≤8						
Efficiency η	%	≥95%				≥92%						

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

ASGF120												
Ratio		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	270	330	300	230	270	330	300	270	330	300	230
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque										
Nominal Input Speed n_{1N}	rpm	4000										
Max. Input Speed n_{1B}	rpm	8000										
Torsional Rigidity	Nm/arcmin	82										
Max. Bending moment M_{2KB}	Nm	430										
Max. Axial Load F_{2aB}	N	4800										
Service Life	hr	20000 ①)										
Noise	dB	≤65 =3000rpm、1M ②)										
Operating Temp	℃	-10～+90										
Degree of Reducer Protection		IP65										
Lubrication		Synthetic lubrication oils										
Mass Moments of Inertia J_1	kg·cm^2	2.74	2.71	2.62	2.57	2.71	2.71	2.62	2.57	2.57	0.44	0.44
Precision Backlash P1	arcmin	≤3				≤5						
Standard Backlash P2	arcmin	≤5				≤8						
Efficiency η	%	≥95%				≥92%						

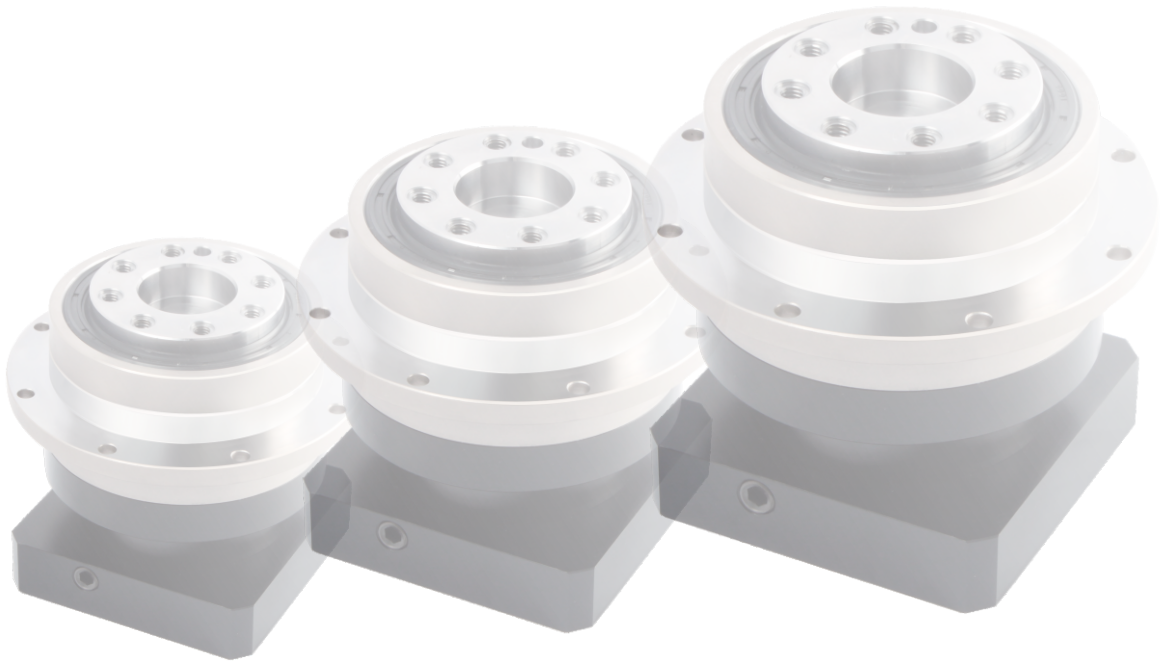
① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

ASGF140												
Ratio		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	560	650	550	450	560	650	550	560	650	550	450
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque										
Nominal Input Speed n_{1N}	rpm	3000										
Max. Input Speed n_{1B}	rpm	6000										
Torsional Rigidity	Nm/arcmin	151										
Max. Bending moment M_{2KB}	Nm	1300										
Max. Axial Load F_{2aB}	N	6200										
Service Life	hr	20000 ①)										
Noise	dB	≤67 =3000rpm、1M ②)										
Operating Temp	℃	-10～+90										
Degree of Reducer Protection		IP65										
Lubrication		Synthetic lubrication oils										
Mass Moments of Inertia J_1	kg·cm^2	7.54	7.42	7.14	7.03	7.42	7.42	7.14	7.03	7.03	2.57	2.57
Precision Backlash P1	arcmin	≤3				≤5						
Standard Backlash P2	arcmin	≤5				≤8						
Efficiency η	%	≥95%				≥92%						

① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

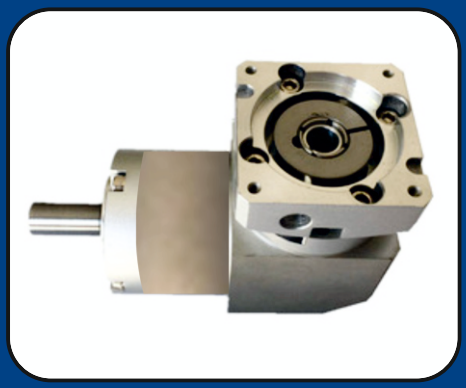
ASGF180												
Ratio		4	5	7	10	20	25	35	40	50	70	100
Nominal Output Torque T_{2N}	Nm	1100	1200	1100	900	1100	1200	1100	1100	1200	1100	900
Emergency Stop Torque T_{2NOT}	Nm	2.5 times of Nominal Output Torque										
Nominal Input Speed n_{1N}	rpm	3000										
Max. Input Speed n_{1B}	rpm	6000										
Torsional Rigidity	Nm/arcmin	440										
Max. Bending moment M_{2KB}	Nm	3064										
Max. Axial Load F_{2aB}	N	5450										
Service Life	hr	20000 ①)										
Noise	dB	≤70 =3000rpm、1M ②)										
Operating Temp	℃	-10～+90										
Degree of Reducer Protection		IP65										
Lubrication		Synthetic lubrication oils										
Mass Moments of Inertia J_1	kg·cm^2	23.67	23.29	22.48	22.51	23.29	23.29	22.48	22.51	22.51	7.03	7.03
Precision Backlash P1	arcmin	≤3				≤5						
Standard Backlash P2	arcmin	≤5				≤8						
Efficiency η	%	≥95%				≥92%						

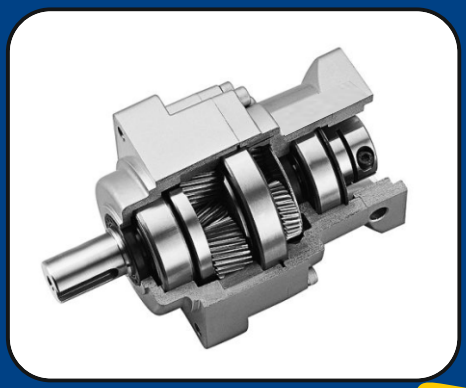
① Half-life under continuous operation mode.
② Reducer under no-load mode,input speed is 3000,the value which Noise Measurement machine get at one meter away postion.

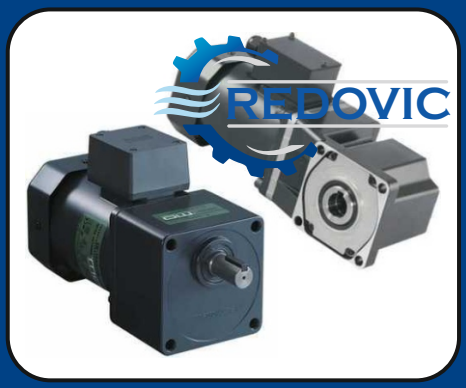


REDOVIC

CUSTOMER VALUABLE REVIEWS :







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