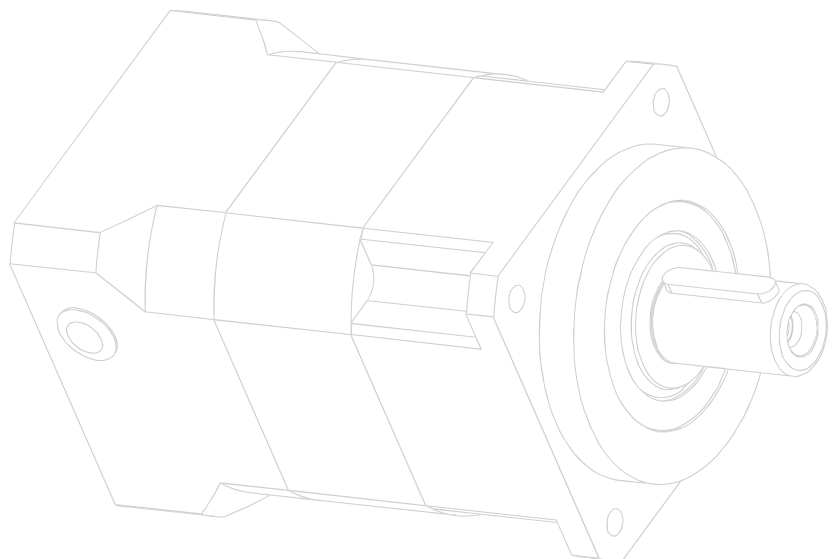
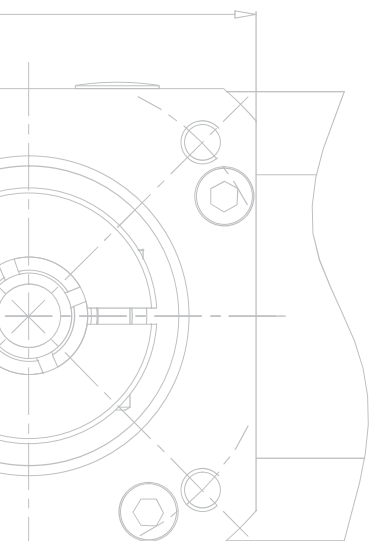
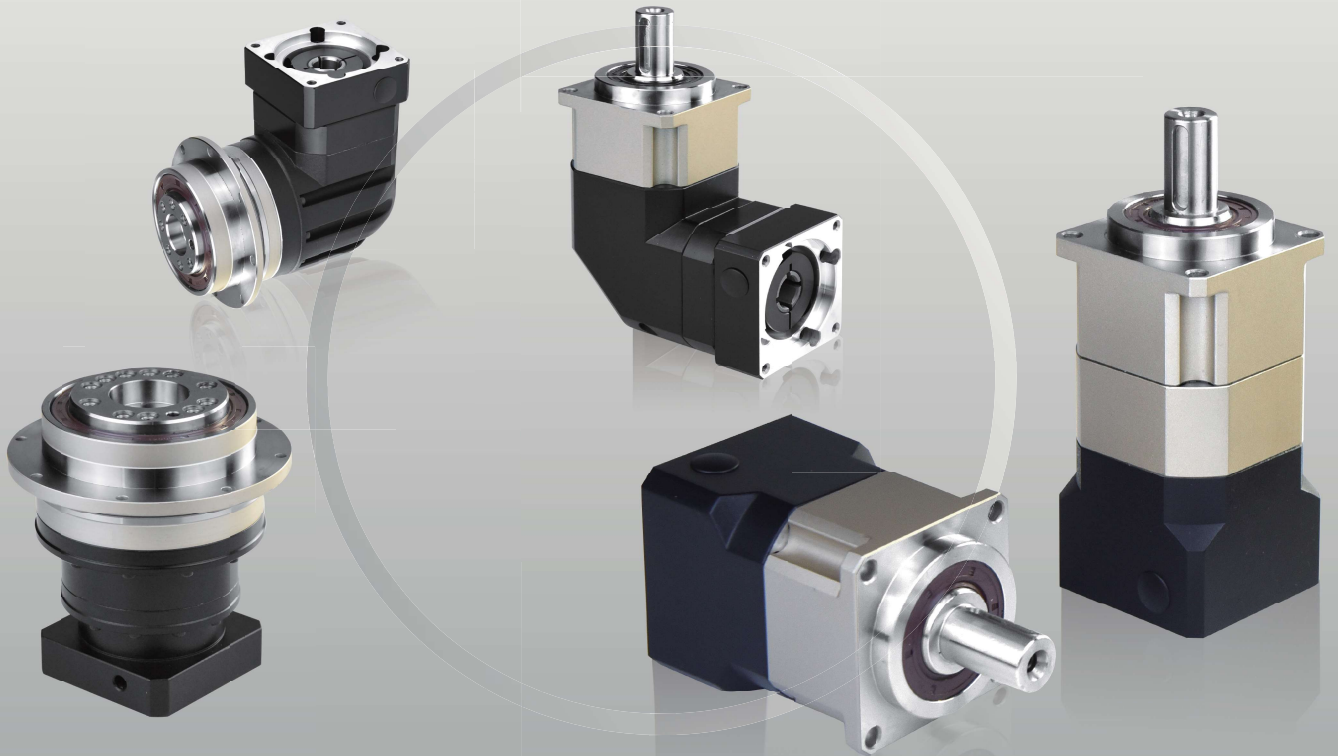
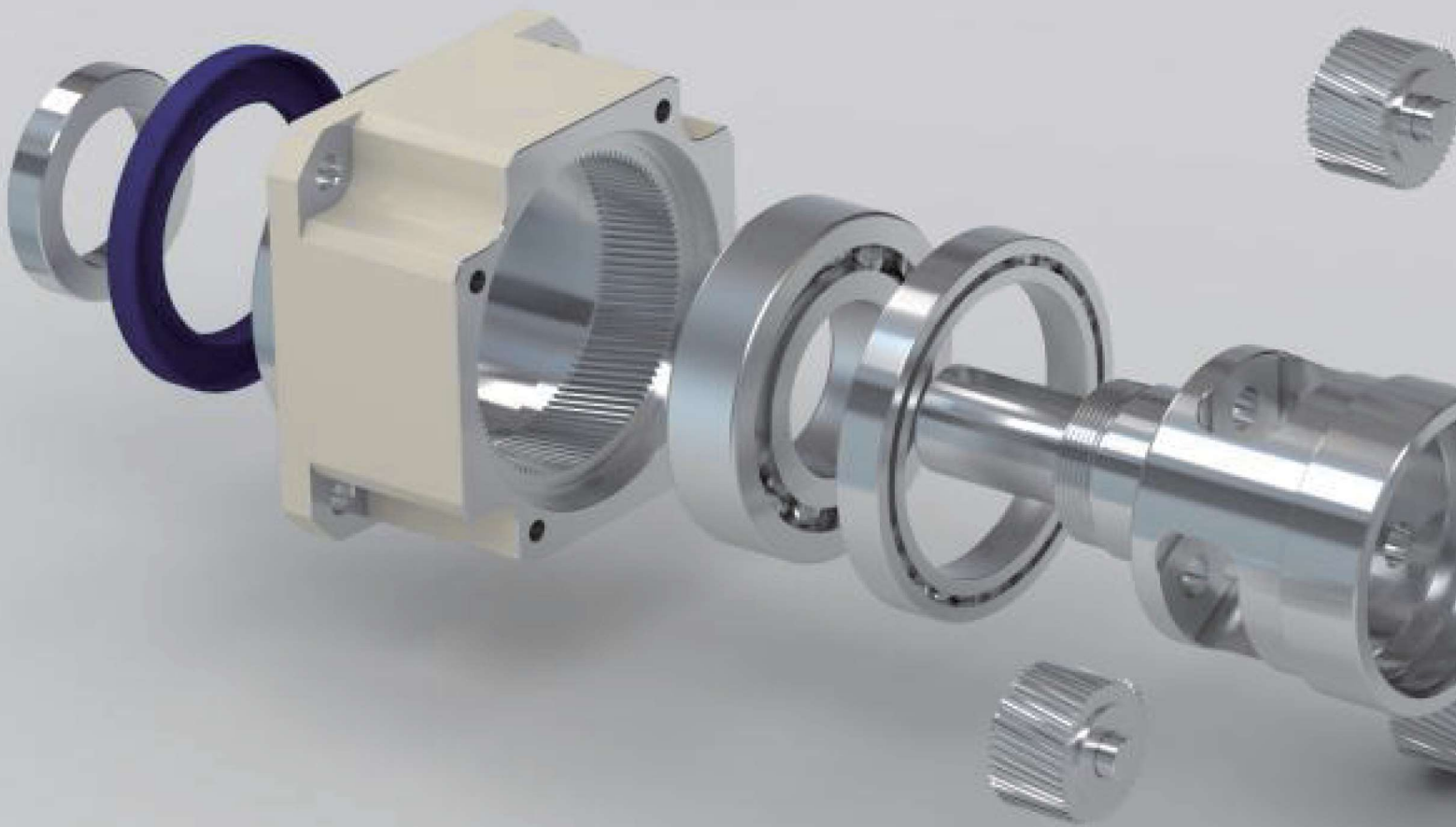


ACE

Planetary reducer

정밀 유성 감속기





About us

ACE Planetary reducer는 20년 이상의 Gear R&d, 디자인, 제조 경험을 바탕으로 고객 여러분께 저소음, 고정밀, 고효율의 정밀 유성감속기를 공급해 드립니다.

엄격한 기술평가와 품질관리를 기반으로 원자재 및 주요 부품의 안정적인 품질과 기술의 혁신을 지속적으로 도모합니다.

또한 시장 만족도를 극대화 하기 위하여 고객 여러분의 요구에 맞는 제품의 공급을 계속해서 확대해 나가겠습니다.

앞선 기술력을 바탕으로 한 제품의 품질과 가격 경쟁력으로 귀사의 성공에 기여하는 파트너가 되겠습니다.

Testing equipment



ADVANCED PROCESSING EQUIPMENT, HIGH QUALITY GUARANTEE

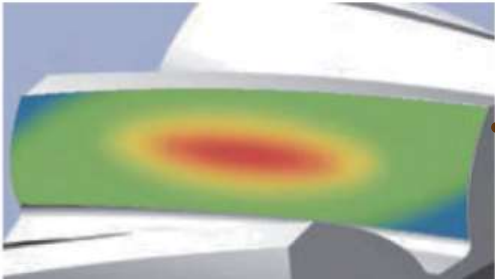
Manufacturing equipment



Product technology

다국적 특허를 취득한 2가지의 윤활구조가 적용되어 있으며 헬리컬 기어를 채용하여 높은 효율의 출력을 제공합니다.

- 특허1. 유성기어 작동 시 축 추력을 줄입니다.
- 특허2. 윤활을 높이고 마찰과 소음을 줄입니다.



특허기술을 이용하여 기어강도에 대한 분석을 실시하고, 치면의 형태와 리드를 수정했습니다. 이 기술은 기어가 맞물릴 때의 충격과 소음을 줄이고 기어 시스템의 수명을 늘립니다.

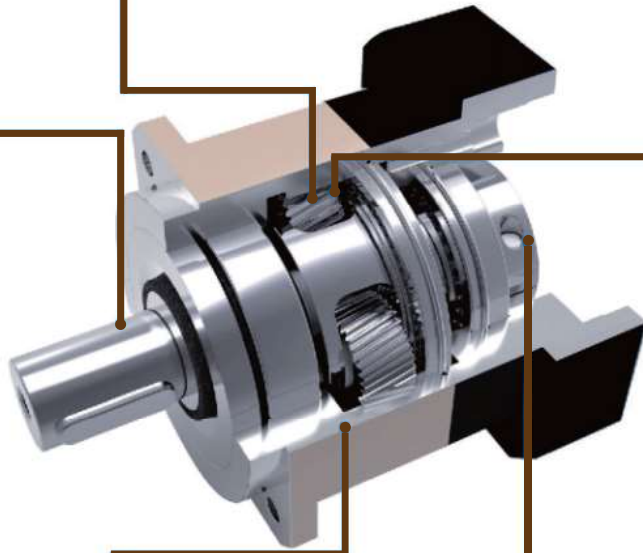


유성캐리어는 통합(이중지지) 구조를 채택하였고, 전후면 베어링의 간격을 넓혀 높은 비틀림 강성과 정밀도를 확보했습니다.

링기어와 출력하우징은 고품질 강철로 제작하고 열간단조를 통해 재료밀도를 높였습니다. 일체형 설계를 통해 타사의 내장형 또는 클램핑형 구조에 비해 더 높은 정밀도와 강성을 확보했습니다.



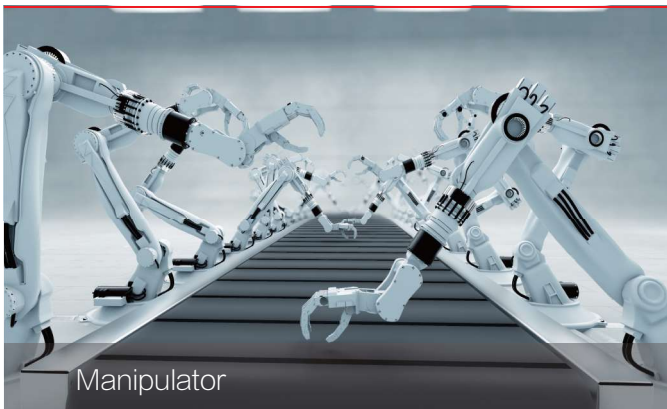
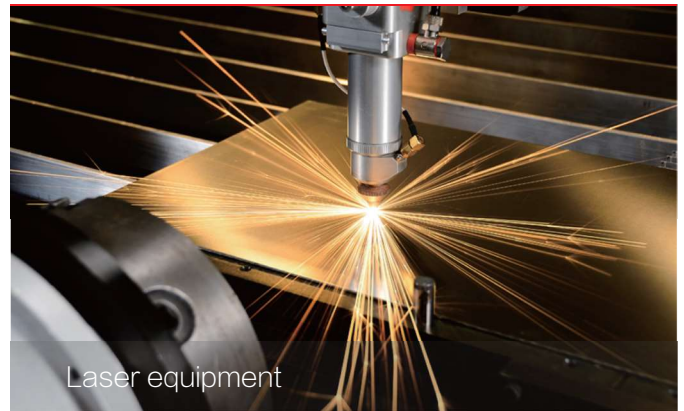
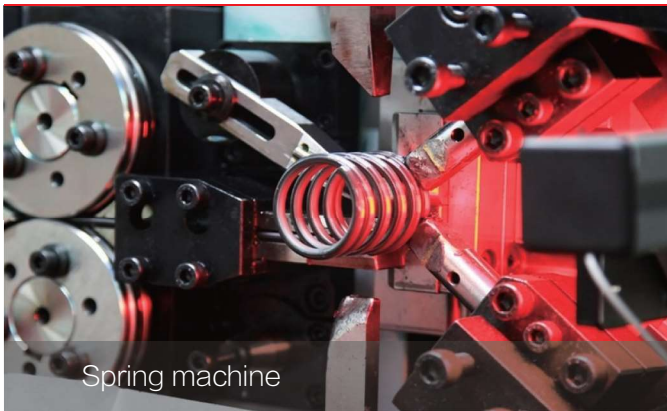
기어 소재는 고품질 합금강으로 제작, 탄질화 처리로 내마모성과 내충격성이 향상되었습니다.



입력축은 일체형 구조로 동심도가 뛰어나며 고정밀 가공으로 샤프트의 미끄러짐을 방지하고 높은 정밀도로 동력전달이 가능합니다.



Application area



Product catalogue

SB series

뛰어난 가성비, 고효율, 고강성, 저소음의 평행타입 감속기
기본 타입에서 한 단계 높은 정밀도, 장비의 품질향상과 원가절감 가능



8-16

SBR series

뛰어난 가성비, 고효율, 고강성, 저소음의 직교타입 감속기
기본 타입에서 한 단계 높은 정밀도, 장비의 품질향상과 원가절감 가능



17-23

SBX series

고정밀도, 고효율, 고강성, 저소음의 평행타입 감속기
장비의 특성에 맞는 정밀도 선택 가능



24-33

SBXR series

고정밀도, 고효율, 고강성, 저소음의 직교타입 감속기
장비의 특성에 맞는 정밀도 선택 가능



34-41

SDX series

고정밀도, 고효율, 고강성, 저소음의 평행타입 감속기
큰 축하중을 버틸 수 있도록 설계, 장비의 특성에 맞는 정밀도 선택 가능



42-51

SDXR series

고정밀도, 고효율, 고강성, 저소음의 직교타입 감속기
큰 축하중을 버틸 수 있도록 설계, 장비의 특성에 맞는 정밀도 선택 가능

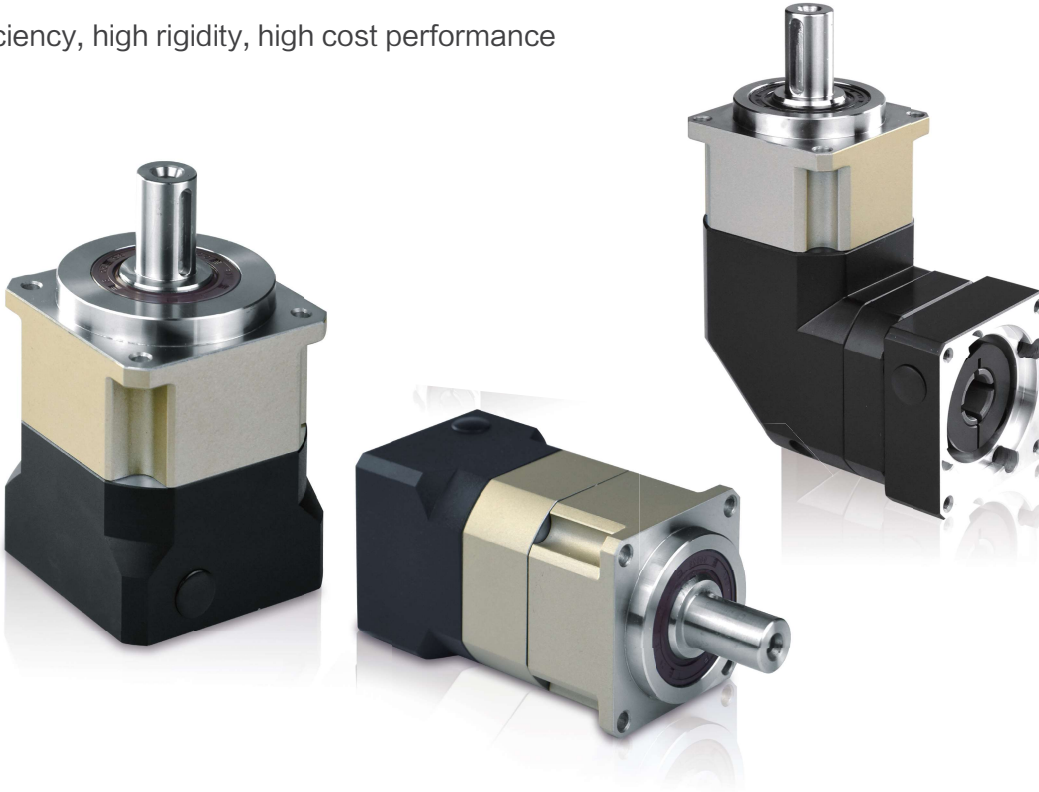


52-59

SB / SBR series

고효율, 고강성, 뛰어난 경제성

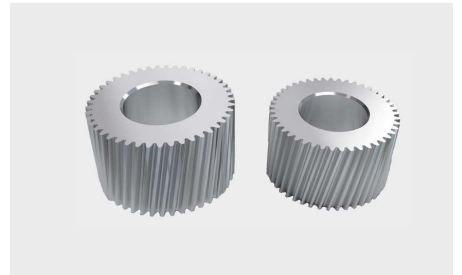
High efficiency, high rigidity, high cost performance



뛰어난 가성비, 고효율, 고강성, 저소음



일체형의 2중지지 캐리어, 넓은 간격의 전후 베어링 설계를 통한 안정성 확보



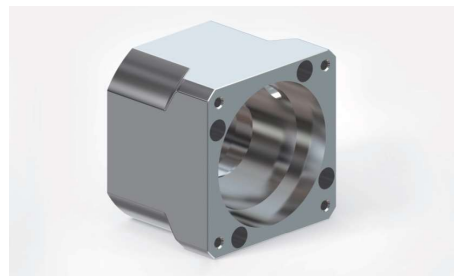
헬리컬기어 적용으로 높은 전달효율 및 강성 확보



SUN GEAR와 입력축을 일체형으로 설계 회전진동 감소, 정밀도 확보

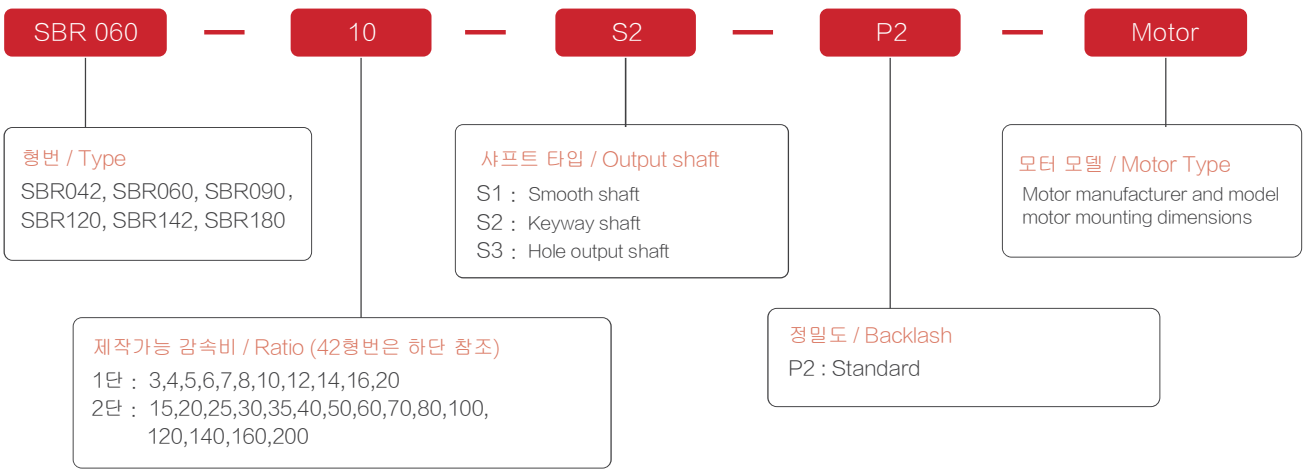
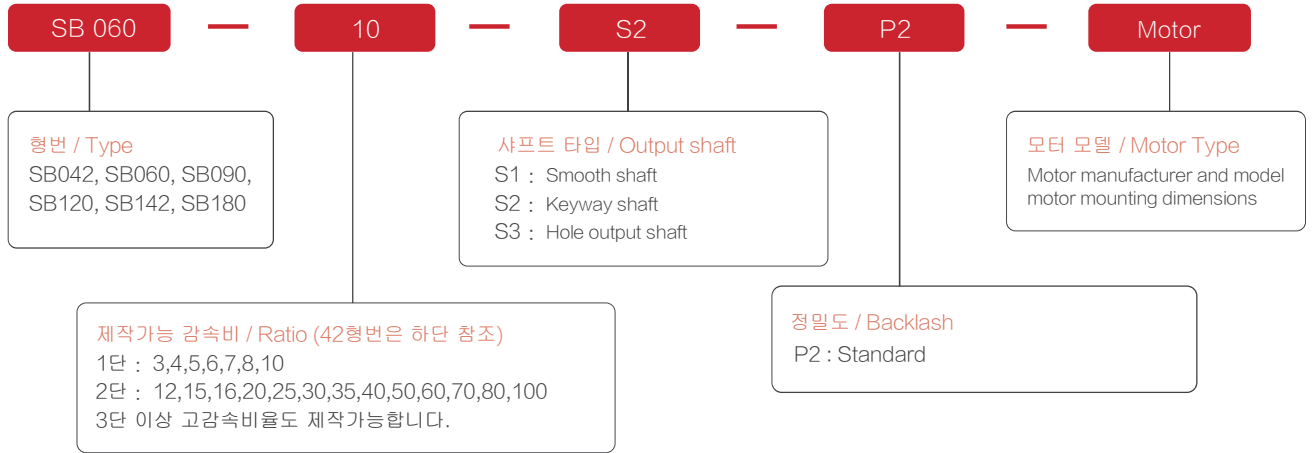


링기어와 몸체의 통합설계로 정밀도와 내마모성 확보

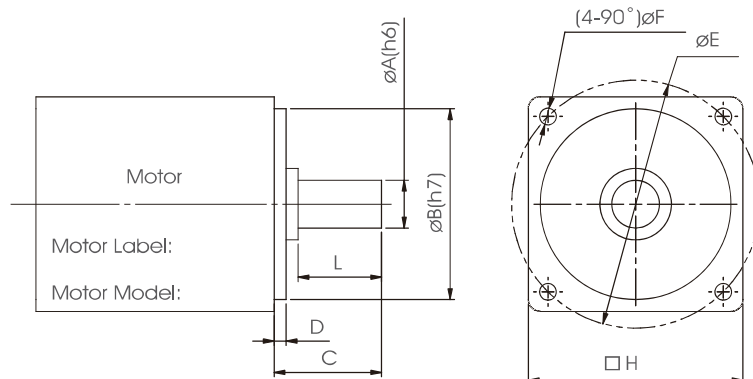


일체형 또는 분리형 플렌지 사용 다양한 모터에 대응 가능

품명 / Type Description



Motor Data



SB/SBR

SBX/SBXR

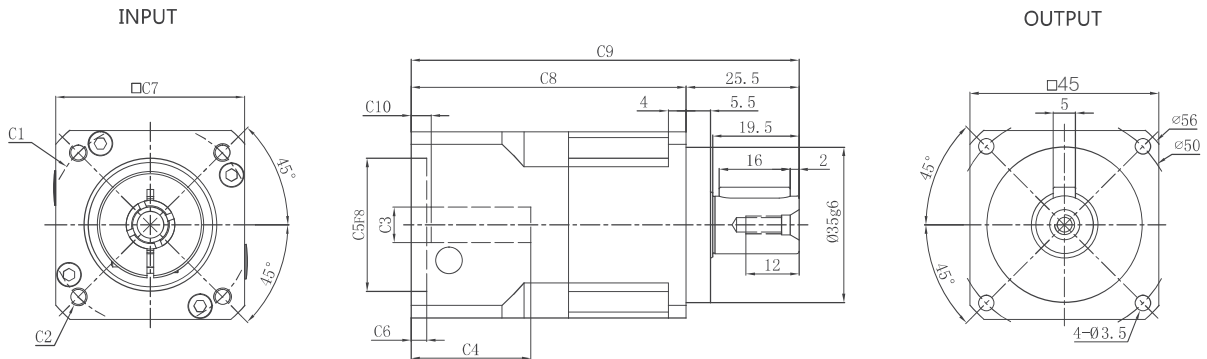
SDX/SDXR

사항/Specifications	단위/Unit	단수/Stage	감속비/Ratio	SB042	SB060	SB090	SB120	SB142	SB180	
정격출력 토크 T _{2N} Rated Output Torque	Nm	1	3	17	55	130	208	342	588	
			4	15	50	140	290	542	1050	
			5	15	60	160	330	650	1200	
			6	-	55	140	300	600	1100	
			7	-	50	140	300	550	1100	
			8	12	45	140	260	500	1000	
			10	12	40	100	230	450	900	
		*전체 감속비는 12페이지 참고	2	15	15	55	130	208	342	588
				20	15	50	140	290	542	1050
				25	15	60	160	330	650	1200
				30	12	55	140	208	342	1200
				40	12	45	140	290	542	1050
				50	12	60	160	330	650	1200
				70	-	60	140	300	550	1100
80	12	45	140	230	500	1000				
100	12	40	100	230	450	900				
비상정지 토크 T _{2EOT} Emergency Stop Torque T _{2EOT}	Nm	1,2	3~100	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque						
정격입력 속도 n _{IN} Nominal Input Speed n _{IN}	rpm	1,2	3~100	3000	3000	3000	3000	3000	3000	
최대입력 속도 n _{INmax} Max.Input Speed n _{INmax}	rpm	1,2	3~100	6000	6000	6000	6000	6000	6000	
정밀도 : P2 Backlash : P2	Arcmin	1	3~10	≤7	≤5	≤5	≤5	≤5	≤5	
		2	12~100	≤9	≤7	≤7	≤7	≤7	≤7	
비틀림 강성/Torsional stiffness	Nm/Arcmin	1,2	3~100	3	4.5	14	25	50	145	
최대 축하중 F _{2AMax} Maximum Axial Force F _{2AMax}	N	1,2	3~100	390	630	1300	3000	4700	7250	
최대 레이디얼하중 F _{2RMMax} Maximum radial force F _{2RMMax}	N	1,2	3~100	780	1530	3250	6700	9400	14500	
효율 η/Work efficiency η	%	1	3~10	97	97	97	97	97	97	
		2	12~100	94	94	94	94	94	94	
사용수명/Service Life	h	1,2	3~100	20000						
소음수준/Noise Level	DB (A)	1,2	3~100	≤56	≤58	≤60	≤63	≤65	≤67	
중량/Weight	Kg	1	3~10	0.6	1.3	3.9	8.7	16	31	
		2	12~100	0.8	1.8	4.6	10	20	39	
설치방향/mounting Position	-	1,2	3~100	모든 방향 / Any direction						
사용온도/Operating Temp	℃	1,2	3~100	-10℃ ~ +90℃						
윤활/Lubrication	-	1,2	3~100	합성 윤활 그리스 / Synthetic Lubricating Grease						
보호등급/Protection Class	-	1,2	3~100	IP65						

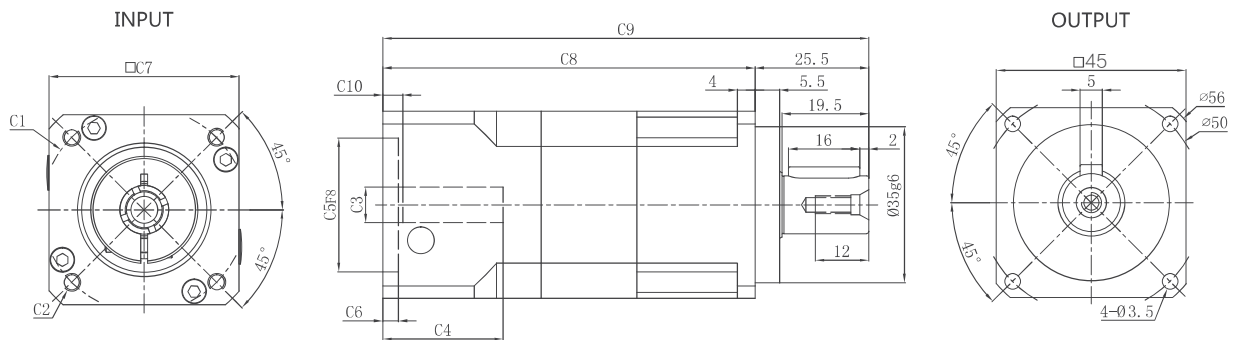
관성모멘트/Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SB042	8	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
SB060	11	0.25	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15
SB090	19	1.3	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.25	0.23	0.21	0.2	0.18	0.18	0.18	0.16	0.16
SB120	24	4.8	4.6	4.5	4	3.5	3	2.7	2.5	2	1.8	1.8	1.7	1.7	1.6	1.4	1.4	1.4
SB142	35	14.5	12	11	10	10	9.5	9.5	9	3.3	3.2	3	2.9	2.7	2.5	2.3	2.2	2
SB180	42	52	41	37	36	55	32	32	28	12	11.4	10.9	10.2	9.8	9.7	9.3	9.0	8.5

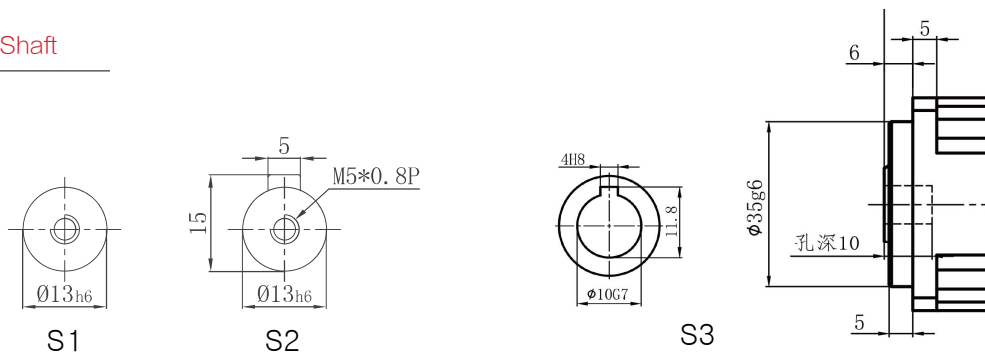
SB042-L1



SB042-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB042-L1	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	63	88.5	4.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	63	88.5	4.5
SB042-L2	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	85.5	110	4.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	85.5	110	4.5

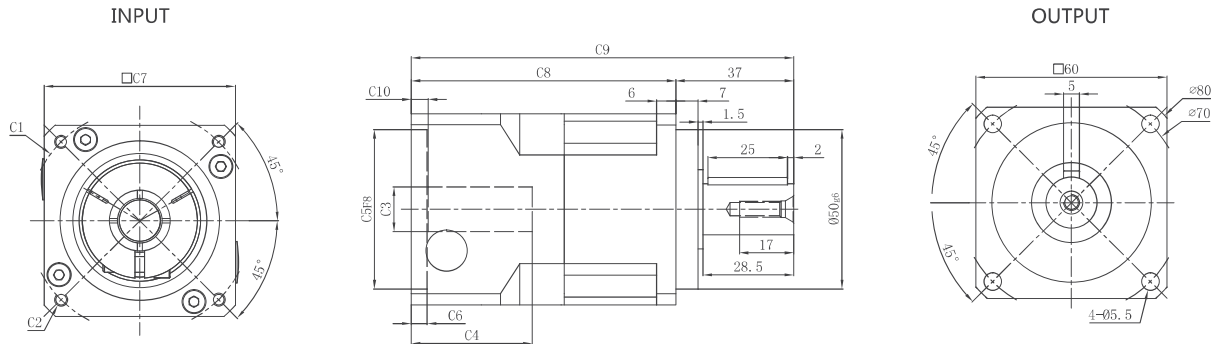
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

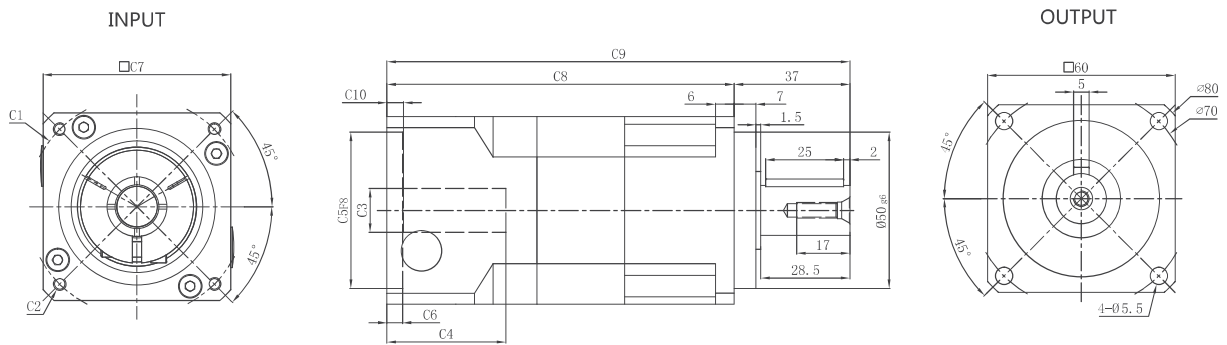
SBX/SBXR

SDX/SDXR

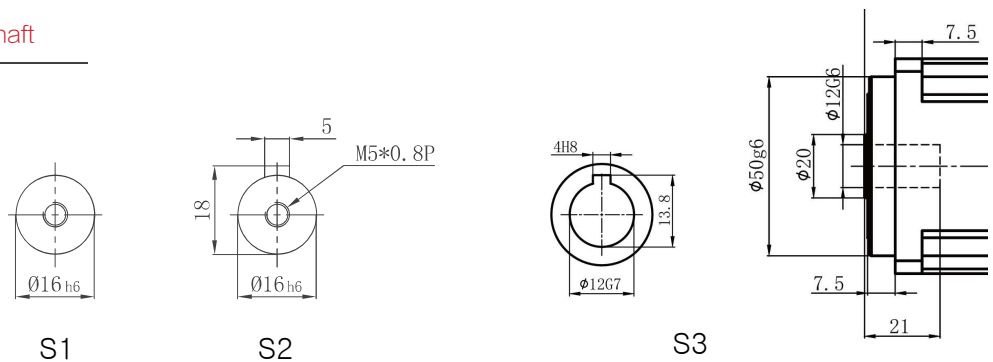
SB060-L1



SB060-L2



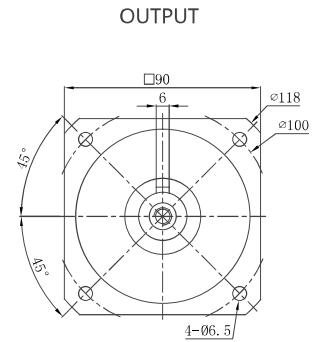
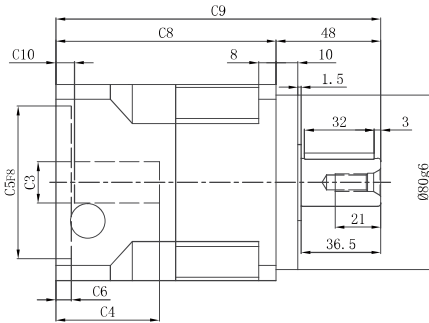
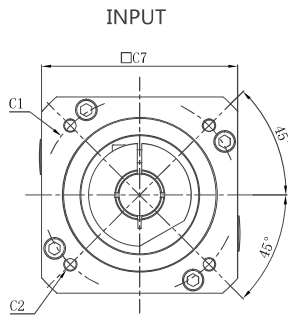
출력샤프트/Output Shaft



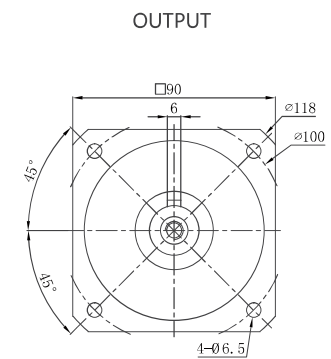
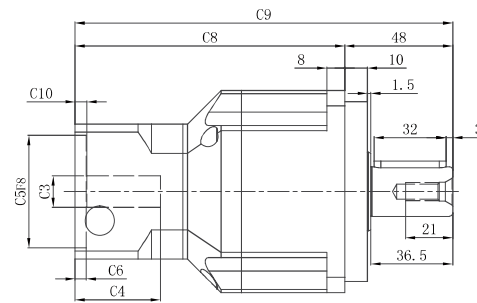
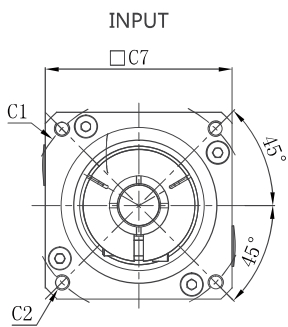
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB060-L1	$\phi 46$	4-M4x12,4-M5x12	$\leq \phi 8$	44	$\phi 30$	9	60	91	126	10.3
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	38	$\phi 38.1$	3	60	83	120	4.3
	$\phi 70$	4-M4x12,4-M5x12	$\leq \phi 14$	38	$\phi 50$	5	60	83	120	5.3
	$\phi 75$	4-M4x12,4-M5x12	$\leq \phi 14$	38.5	$\phi 60$	5	66	83.5	120	5.5
	$\phi 90$	4-M5x15,4-M6x15	$\leq \phi 19$	44	$\phi 70$	7	80	89	128	11
	$\phi 100$	4-M6x15	$\leq \phi 19$	44	$\phi 80$	7	90	89	128	11
SB060-L2	$\phi 46$	4-M4x12, 4-M5x12	$\leq \phi 8$	44	$\phi 30$	9	60	117	154.	10.3
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	38	$\phi 38.1$	3	60	111	148	4.3
	$\phi 70$	4-M4x12,4-M5x12	$\leq \phi 14$	38	$\phi 50$	5	60	111	148	5.3
	$\phi 75$	4-M4x10,4-M5x12	$\leq \phi 14$	38.5	$\phi 60$	5	66	111.5	148	5.5
	$\phi 90$	4-M5x15,4-M6x15	$\leq \phi 19$	44	$\phi 70$	7	80	117	156	11
	$\phi 100$	4-M6x15	$\leq \phi 19$	44	$\phi 80$	7	90	117	156	11

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

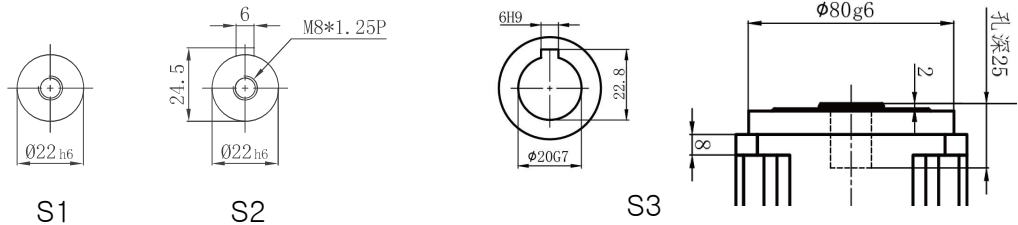
SB090-L1



SB090-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB090-L1	φ 70	4-M4x12,4-M5x12	≦ φ 14	47.5	φ 50	4	90	101	149	6
	φ 75	4-M4x12,4-M5x12	≦ φ 14	47.5	φ 60	5.5	90	101	149	6
	φ 90	4-M5x15, 4-M6x15	≦ φ 19	47.5	φ 70	7	90	101	149	7
	φ 98.4	4-M6x15	≦ φ 14	47.5	φ 73	7	90	101	149	7
	φ 98.4	4-M6x15	≦ φ 14	47.5	φ 60	7	90	101	149	7
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	101	149	7
	φ 115	4-M8x20	≦ φ 24	61.5	φ 95	10	100	113	161	12.5
	φ 130	4-M8x20	≦ φ 24	61.5	φ 95	10	115	113	161	12.5
	φ 145	4-M8x20	≦ φ 24	61.5	φ 110	10	130	113	161	12.5
SB090-L2	φ 70	4-M4x12,4-M5x12	≦ φ 14	38	φ 50	5	60	120	168	5.3
	φ 75	4-M4x12,4-M5x12	≦ φ 14	38.5	φ 60	5.5	66	120.5	168	5.8
	φ 90	4-M5x15,4-M6x15	≦ φ 19	50.5	φ 70	7	80	128	176	11
	φ 98.4	4-M6x15	≦ φ 14	50.5	φ 73	7	90	128	176	11
	φ 98.4	4-M6x15	≦ φ 14	50.5	φ 60	7	90	128	176	11
	φ 100	4-M6x15	≦ φ 19	50.5	φ 80	7	90	128	176	11
	φ 115	4-M8x20	≦ φ 24	61.5	φ 95	10	100	153	201	12.5
	φ 130	4-M8x20	≦ φ 24	61.5	φ 95	10	115	153	161	12.5
	φ 145	4-M8x20	≦ φ 24	61.5	φ 110	10	130	153	201	12.5
φ 145	4-M8x20	≦ φ 24	70.5	φ 110	10	130	162	210	21.5	

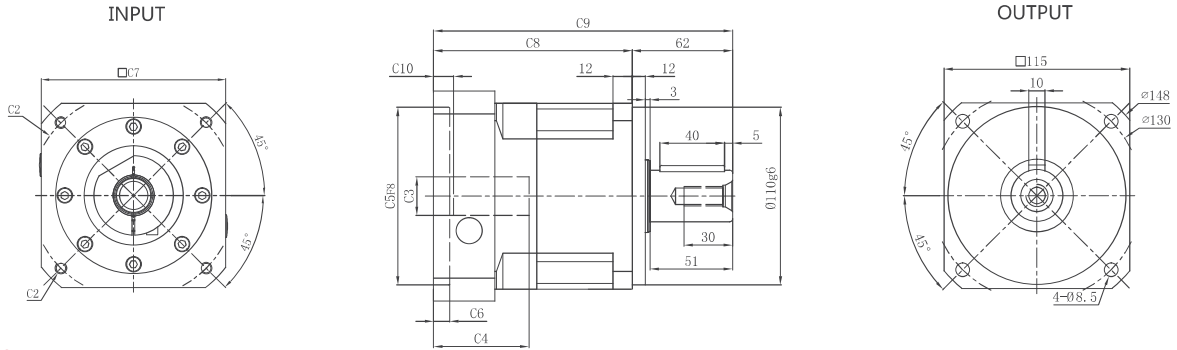
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

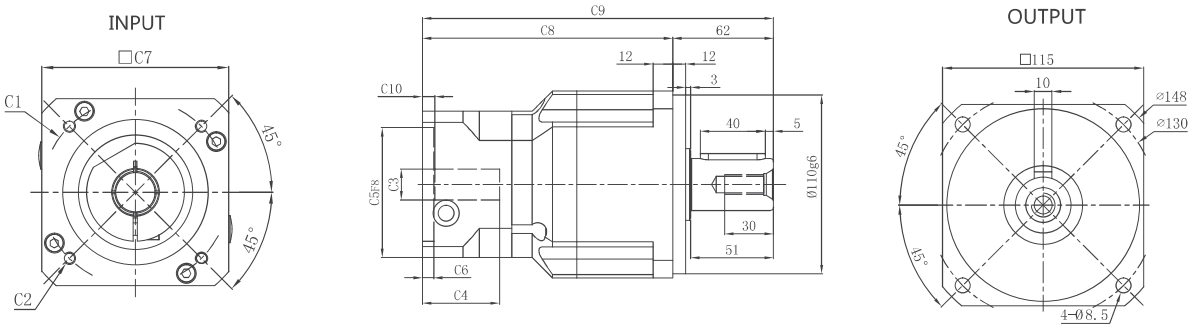
SBX/SBXR

SDX/SDXR

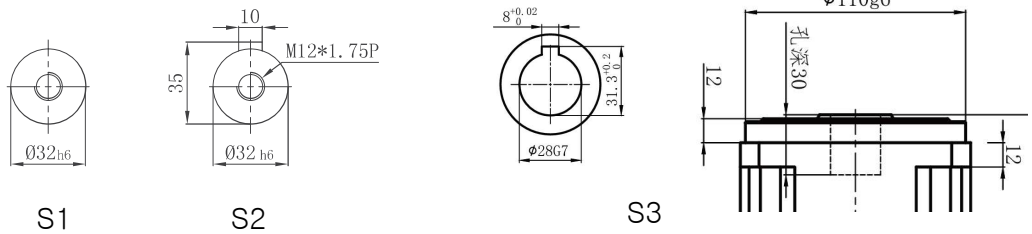
SB120-L1



SB120-L2



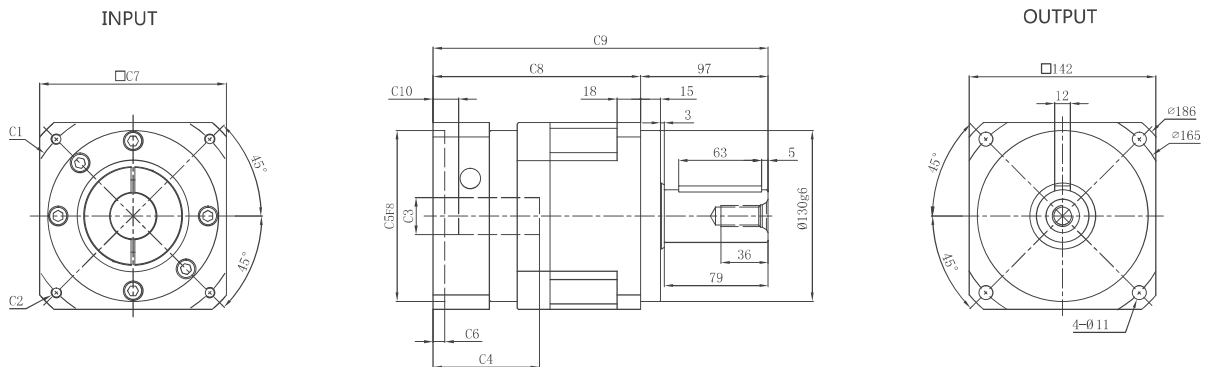
출력샤프트/Output Shaft



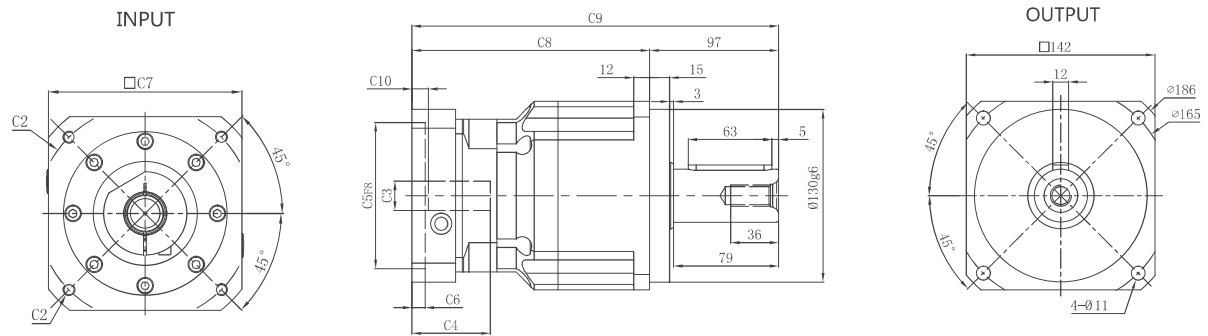
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB120-L1	φ 90	4-M5x15,4-M6x15	≦ φ 19	48.5	φ 70	7	115	112.5	174.5	7
	φ 100	4-M6x15	≦ φ 19	48.5	φ 80	7	115	112.5	174.5	7
	φ 115	4-M8x20	≦ φ 24	58	φ 95	10	115	122	184	11.5
	φ 130	4-M8x20	≦ φ 24	58	φ 95	10	115	122	184	11.5
	φ 132	4-M8x20	≦ φ 24	58	φ 85	10	115	122	184	11.5
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	123	185	12.5
	φ 145	4-M8x20	≦ φ 24	68	φ 110	10	130	132	194	21.5
	φ 165	4-M10x30	≦ φ 32	80	φ 130	10	142	148.5	210.5	18.5
	φ 200	4-M12x35	≦ φ 35	82	φ 114.3	8	180	150.5	212.5	20.5
	φ 215	4-M14x35	≦ φ 38	82	φ 180	8	190	150.5	212.5	20.5
SB120-L2	φ 90	4-M5x15,4-M6x15	≦ φ 19	47.5	φ 70	7	90	154	216	7
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	154	216	7
	φ 115	4-M8x20	≦ φ 24	61.5	φ 95	10	100	166	228	12.5
	φ 130	4-M8x20	≦ φ 24	61.5	φ 95	10	115	166	228	12.5
	φ 132	4-M8x20	≦ φ 24	61.5	φ 85	10	115	166	228	12.5
	φ 145	4-M8x20	≦ φ 24	62	φ 110	10	130	166.5	228.5	13
	φ 145	4-M8x20	≦ φ 24	70.5	φ 110	10	130	175	237	21.5
	φ 165	4-M10x30	≦ φ 32	80	φ 130	10	142	196.5	258.5	18.5
	φ 200	4-M12x35	≦ φ 35	82	φ 114.3	8	180	198.5	260.5	20.5
	φ 215	4-M14x35	≦ φ 38	82	φ 180	8	190	198.5	260.5	20.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

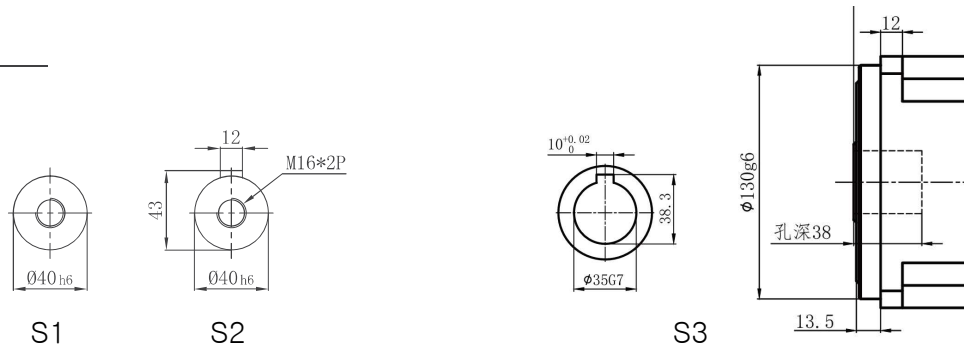
SB142-L1



SB142-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB142-L1	$\phi 130$	4-M8x20	$\leq \phi 24$	81	$\phi 110$	10	142	158	255	19.5
	$\phi 145$	4-M8x20	$\leq \phi 24$	81	$\phi 110$	10	142	158	255	19.5
	$\phi 165$	4-M10x25,4-M12x35	$\leq \phi 32$	81	$\phi 130$	10	142	158	255	19.5
	$\phi 175$	4-M10x25	$\leq \phi 32$	81	$\phi 130$	10	150	158	255	19.5
	$\phi 185$	4-M10x30	$\leq \phi 35$	81	$\phi 150$	8	160	158	255	19.5
	$\phi 200$	4-M12x35	$\leq \phi 42$	83	$\phi 114.3$	8	180	160	257	21.5
SB142-L2	$\phi 200$	4-M12x35	$\leq \phi 42$	115	$\phi 114.3$	8	180	192	289	53.5
	$\phi 215$	4-M12x35,4-M14x35	$\leq \phi 42$	83	$\phi 180$	8	190	160	257	21.5
	$\phi 130$	4-M8x20	$\leq \phi 24$	59	$\phi 110$	10	130	179	276	12.5
	$\phi 145$	4-M8x20	$\leq \phi 24$	59	$\phi 110$	10	130	179	276	12.5
	$\phi 165$	4-M10x25,4-M12x35	$\leq \phi 32$	80	$\phi 130$	10	142	204.5	301.5	19.5
	$\phi 175$	4-M10x25	$\leq \phi 32$	80	$\phi 130$	10	150	204.5	301.5	19.5
	$\phi 185$	4-M10x30	$\leq \phi 35$	80	$\phi 150$	8	160	204.5	301.5	19.5
	$\phi 200$	4-M12x35	$\leq \phi 42$	82	$\phi 114.3$	8	180	206.5	303.5	21.5

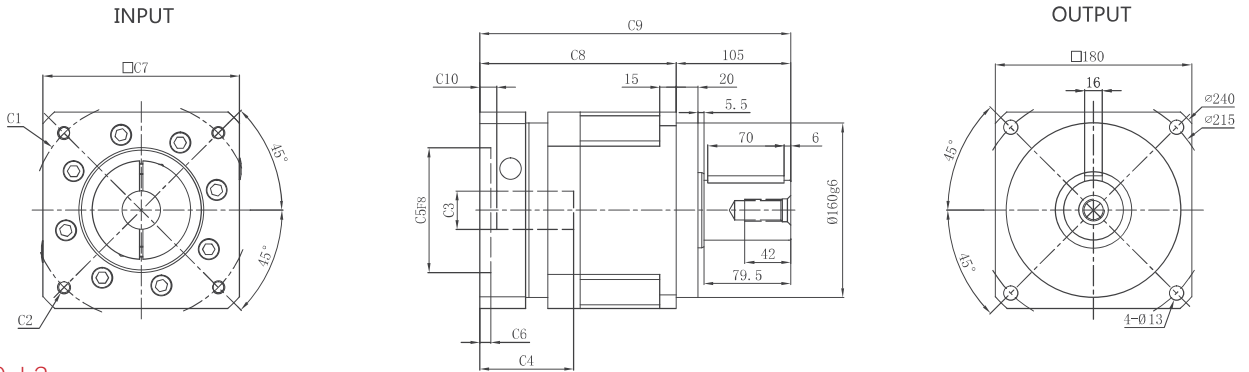
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

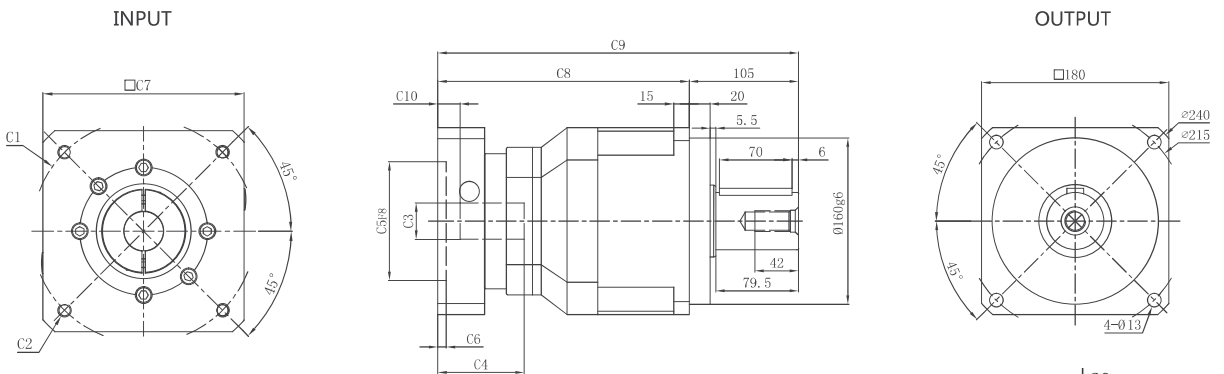
SBX/SBXR

SDX/SDXR

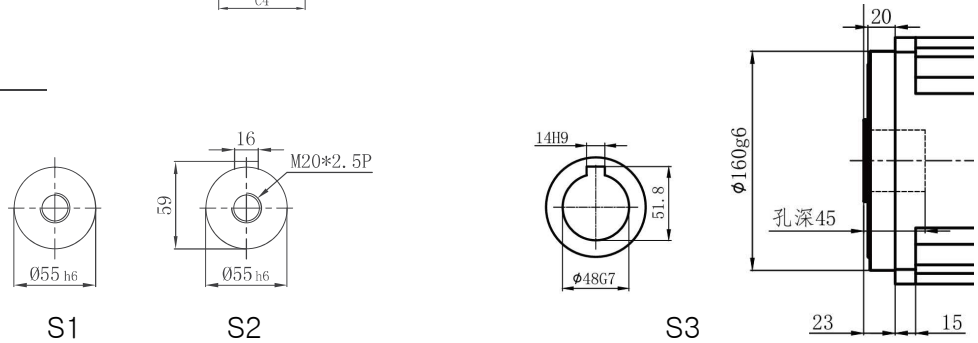
SB180-L1



SB180-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SB180-L1	φ 165	4-M10x25,4-M12x35	≦ φ 32	86	φ 130	10	180	180	285	15.5
	φ 200	4-M12x35	≦ φ 42	86	φ 114.3	10	180	180	285	15.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	212	317	47.5
	φ 215	4-M14x35	≦ φ 42	86	φ 180	10	190	180	285	15.5
	φ 215	4-M14x35	≦ φ 42	118	φ 180	10	190	212	317	47.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	118	φ 200	10	220	212	317	47.5
SB180-L2	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	240	345	19.5
	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	240	345	19.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	86	φ 130	8	180	242	347	21.5
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	242	347	21.5
	φ 200	4-M10x25,4-M12x35	≦ φ 42	115	φ 114.3	8	180	274	379	53.5
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	242	347	21.5
φ 215	4-M14x35	≦ φ 42	115	φ 180	8	190	274	379	53.5	
φ 235	4-M10x30,4-M14x35	≦ φ 55	118	φ 200	10	220	274	379	47.5	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

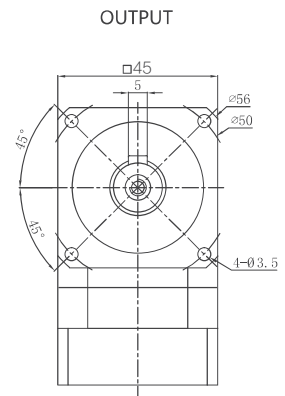
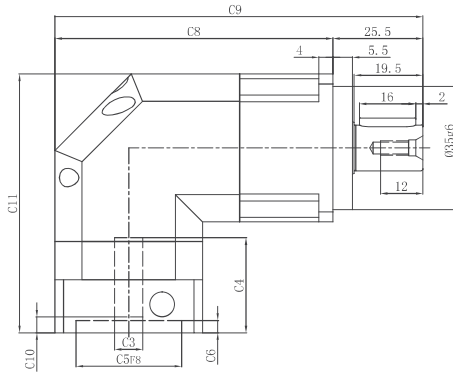
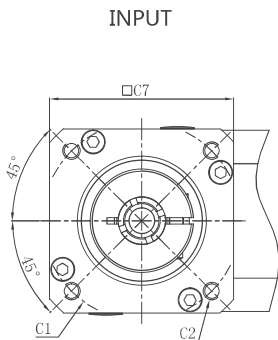
SB/SBR
SBX/SBXR
SDX/SDXR

사양/Specifications	단위/Unit	단수/Stage	감속비/Ratio	SBR042	SBR060	SBR090	SBR120	SBR142	SBR180	
정격출력 토크 T _{2N} Rated Output Torque	Nm	1	3	9	36	90	208	342	1100	
			4	12	48	120	290	542	1250	
			5	15	60	150	330	650	1200	
			6	-	55	140	300	550	1100	
			7	-	50	140	300	550	1100	
			8	17	45	120	260	500	1000	
			10	14	40	100	230	450	1000	
			14	-	45	120	208	535	990	
			16	-	39	120	260	505	935	
			20	-	38	100	230	450	900	
		*전체 감속비는 12페이지 참고	2	15	9	36	90	208	342	1100
				20	12	48	120	290	542	1200
				25	15	60	150	330	650	1200
				30	9	36	140	300	550	1100
				40	12	48	120	290	542	1000
				50	15	60	150	330	650	1000
				70	-	50	140	300	550	850
				80	17	45	120	260	500	1000
				100	14	40	100	230	450	920
				140	-	55	120	208	550	1000
160	-	45	120	260	550	1000				
200	-	40	100	230	450	900				
비상정지 토크 T _{2EOT} Emergency Stop Torque T _{2EOT}	Nm	1,2	3~200	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque						
정격입력 속도 n _{IN} Nominal Input Speed n _{IN}	rpm	1,2	3~200	3000	3000	3000	3000	3000	3000	
최대입력 속도 n _{1max} Max.Input Speed n _{1max}	rpm	1,2	3~200	6000	6000	6000	6000	6000	6000	
정밀도 : P2 Backlash : P2	Arcmin	1	3~20	≤10	≤8	≤8	≤8	≤8	≤8	
		2	15~200	≤12	≤10	≤10	≤10	≤10	≤10	
비틀림 강성/Torsional stiffness	Nm/Arcmin	1,2	3~200	3	4.5	14	25	50	145	
최대 축하중 F _{2AMax} Maximum Axial Force F _{2AMax}	N	1,2	3~200	390	765	1625	3400	4700	7250	
최대 레이디얼하중 F _{2RMMax} Maximum radial force F _{2RMMax}	N	1,2	3~200	780	1530	3250	6800	9400	14500	
효율 η /Work efficiency η	%	1	3~20	95	95	95	95	95	95	
		2	15~200	92	92	92	92	92	92	
사용수명/Service Life	h	1,2	3~200	20000						
소음수준/Noise Level	DB (A)	1,2	3~200	≤61	≤63	≤65	≤67	≤68	≤70	
중량/Weight	Kg	1	3~20	0.9	2.1	6.5	13	24	51	
		2	15~200	1.2	2.8	7.8	14	27	55	
설치방향/mounting Position	-	1,2	3~200	모든방향 / Any direction						
사용온도/Operating Temp	℃	1,2	3~200	-10℃ ~ +90℃						
윤활/Lubrication	-	1,2	3~200	합성 윤활 그리스 / Syntehtic Lubricating Grease						
보호등급/Protection Class	-	1,2	3~200	IP65						

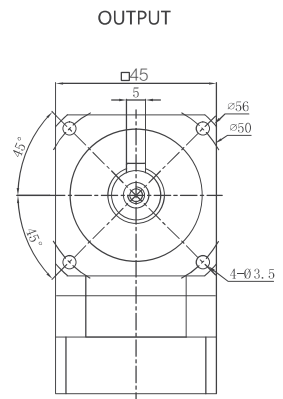
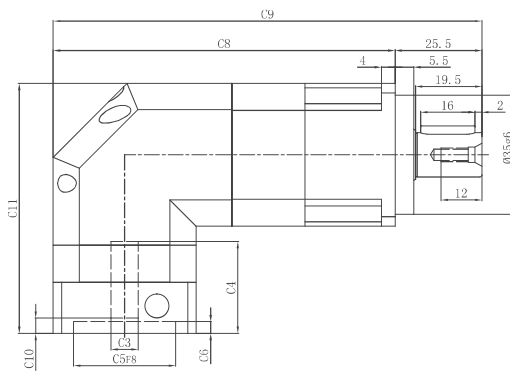
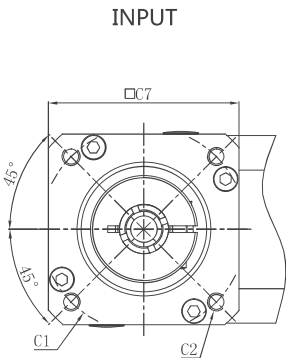
관성모멘트/Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SBR042	8	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
SBR060	11	0.25	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.09	0.09	0.08	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15
SBR090	19	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5
SBR120	22	11.5	10.5	10	10	9.9	9.9	9.6	9.5	9	9	8.5	2.2	2.1	2.1	2	2	19	1.8	1.8	1.7
SBR142	35	14.5	12	11	10	10	9.5	9.5	9	9	8.5	8.5	3.3	3.2	3	2.9	2.7	2.5	2.3	2.2	2
SBR180	42	52	41	37	36	35	32	30	28	19	18.5	18.5	12	11.4	10.9	10.2	9.8	9.7	9.3	9.0	8.5

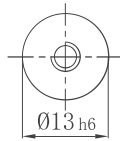
SBR042-L1



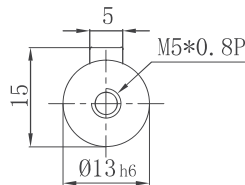
SBR042-L2



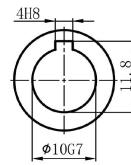
출력샤프트/Output Shaft



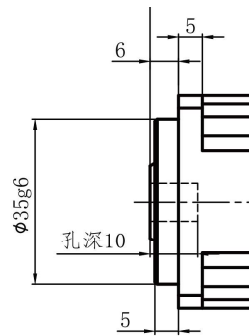
S1



S2



S3



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR042-L1	φ45	4-M3x8	≦φ8	27	φ30	3.5	43	80	105.5	4.5	73.5
	φ46	4-M4x10	≦φ8	27	φ30	3.5	43	80	105.5	4.5	73.5
SBR042-L2	φ45	4-M3x8	≦φ8	27	φ30	3.5	43	102.5	128	4.5	73.5
	φ46	4-M4x10	≦φ8	27	φ30	3.5	43	102.5	128	4.5	73.5

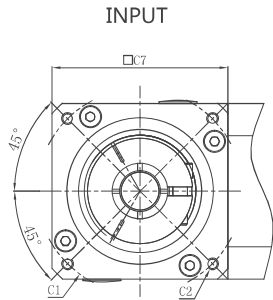
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

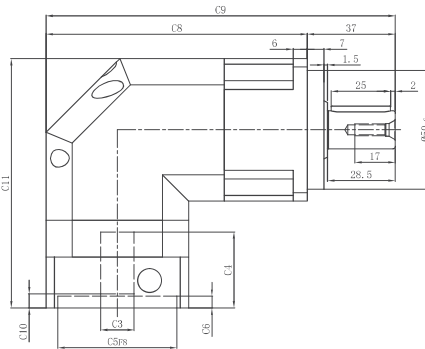
SBX/SBXR

SDX/SDXR

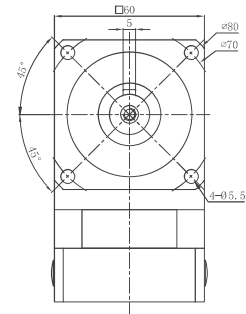
SBR060-L1



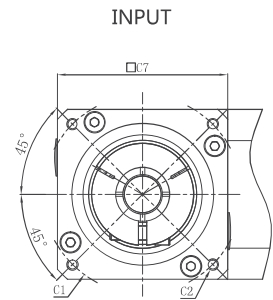
INPUT



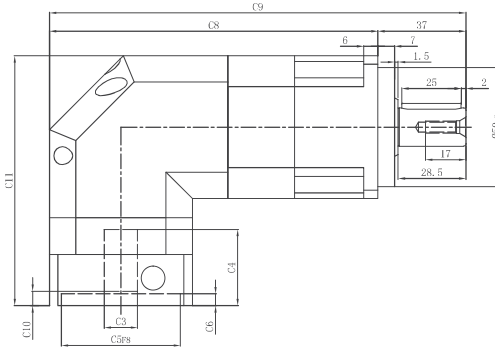
OUTPUT



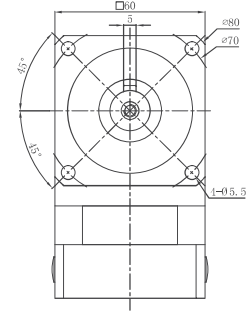
SBR060-L2



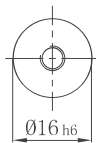
INPUT



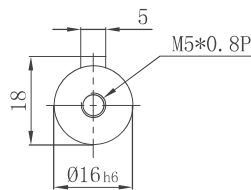
OUTPUT



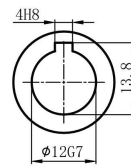
출력샤프트/Output Shaft



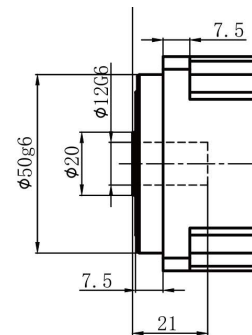
S1



S2



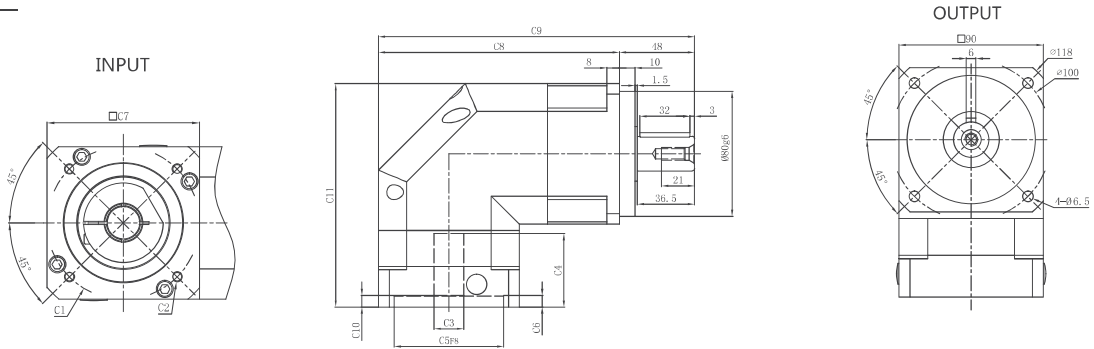
S3



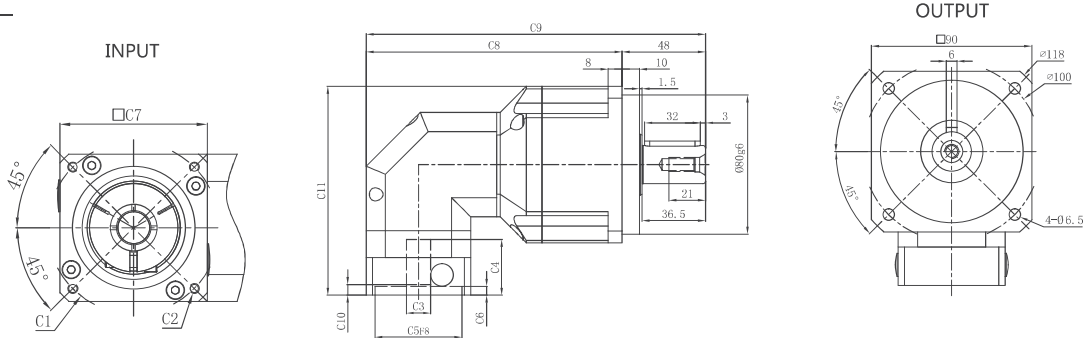
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR060-L1	φ 46	4-M4x12,4-M5x12	≦ φ 8	37.5	φ 30	10.5	60	110	147	11.5	110.5
	φ 66.7	4-M4x12	≦ φ 8	32	φ 38.1	5	60	110	147	5.5	105
	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	110	147	6	105
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	110	150	6	105
	φ 90	4-M6x15	≦ φ 19	42	φ 70	7	80	110	160	11	117
	φ 100	4-M6x15	≦ φ 19	44	φ 80	7	90	110	160	11	117
SBR060-L2	φ 46	4-M4x12,4-M5x12	≦ φ 8	37.5	φ 30	10.5	60	138	175	11.5	110.5
	φ 66.7	4-M4x12	≦ φ 8	32	φ 38.1	5	60	138	175	5.5	105
	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	138	175	6	105
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	138	178	6	105
	φ 90	4-M6x15	≦ φ 19	42	φ 70	7	80	138	188	11	117
	φ 100	4-M6x15	≦ φ 19	44	φ 80	7	90	138	188	11	117

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

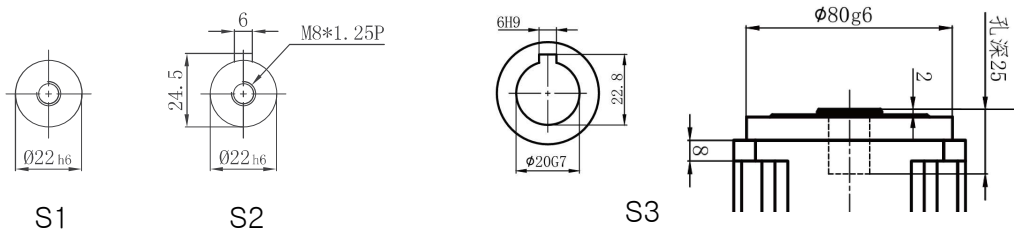
SBR090-L1



SBR090-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR090-L1	$\varnothing 70$	4-M4x10,4-M5x12	$\leq \varnothing 14$	47	$\varnothing 50$	4	90	154	202	6.5	143
	$\varnothing 75$	4-M4x12,4-M5x12	$\leq \varnothing 14$	47	$\varnothing 60$	5.5	90	154	202	6.5	143
	$\varnothing 90$	4-M5x15,4-M6x15	$\leq \varnothing 19$	47	$\varnothing 70$	7	90	154	202	7.5	143
	$\varnothing 98.4$	4-M5x15,4-M6x15	$\leq \varnothing 14$	47.5	$\varnothing 73$	7	90	154	202	7.5	143
	$\varnothing 98.4$	4-M6x15	$\leq \varnothing 14$	47.5	$\varnothing 60$	7	90	154	202	7.5	143
	$\varnothing 100$	4-M6x15	$\leq \varnothing 19$	47.5	$\varnothing 80$	7	90	154	202	12.5	143
	$\varnothing 115$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	100	154	207	12.5	155
	$\varnothing 130$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	115	154	214.5	12.5	155
	$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 110$	10	130	154	262.	12.5	155
$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	68	$\varnothing 110$	10	130	154	262	21.5	164	
SBR090-L2	$\varnothing 70$	4-M4x10,4-M5x12	$\leq \varnothing 14$	32	$\varnothing 50$	5	60	147	195	6	120
	$\varnothing 75$	4-M4x12,4-M5x12	$\leq \varnothing 14$	32	$\varnothing 60$	5	66	147	198	6	120
	$\varnothing 90$	4-M5x15,4-M6x15	$\leq \varnothing 19$	42	$\varnothing 70$	7	80	147	205	11	132
	$\varnothing 98.4$	4-M5x15,4-M6x15	$\leq \varnothing 14$	42	$\varnothing 73$	7	90	147	210	11	132
	$\varnothing 98.4$	4-M6x15	$\leq \varnothing 14$	42	$\varnothing 60$	7	90	147	210	11	132
	$\varnothing 100$	4-M6x15	$\leq \varnothing 19$	42	$\varnothing 80$	7	90	147	210	11	132
	$\varnothing 115$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	100	194	267	12.5	155
	$\varnothing 130$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	115	194	254.5	12.5	155
	$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 110$	10	130	194	272	12.5	155
$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	68	$\varnothing 110$	10	130	194	272	21.5	164	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

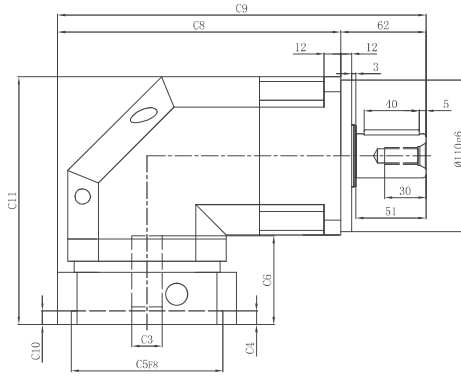
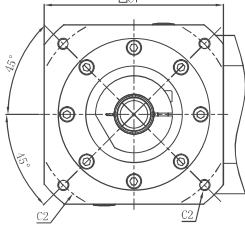
SB/SBR

SBX/SBXR

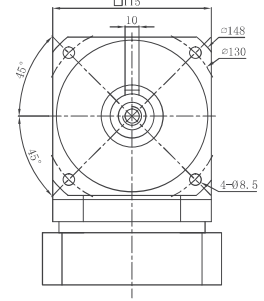
SDX/SDXR

SBR120-L1

INPUT

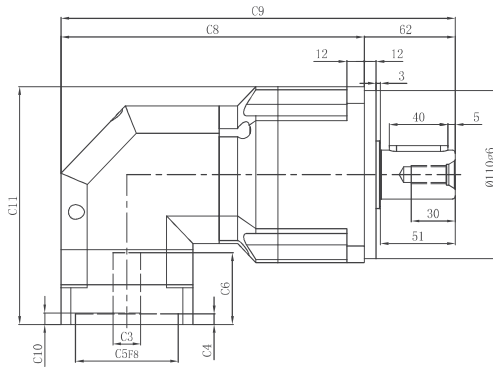
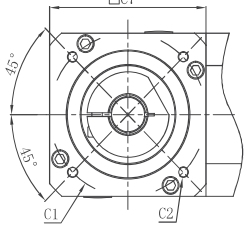


OUTPUT

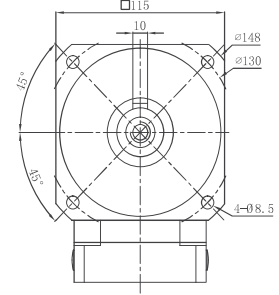


SBR120-L2

INPUT



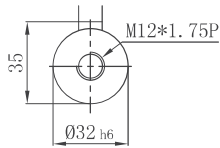
OUTPUT



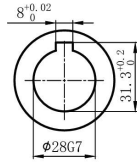
출력샤프트/Output Shaft



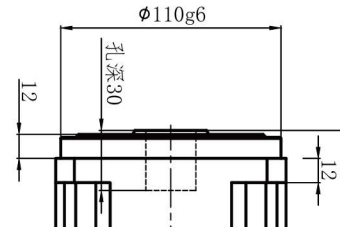
S1



S2



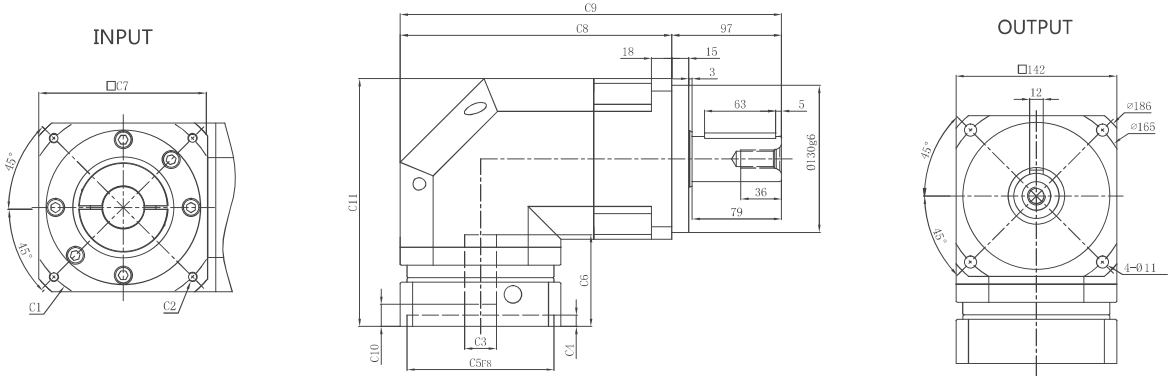
S3



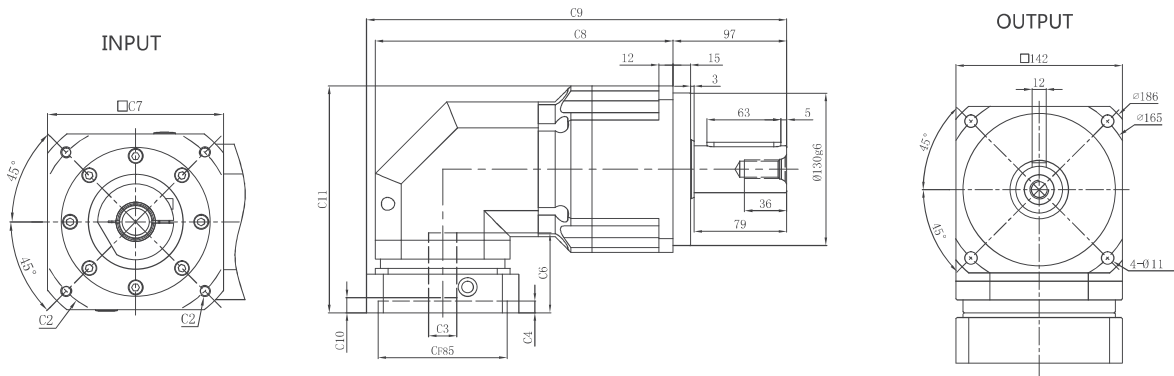
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR120-L1	φ 90	4-M5x15,4-M6x15	≦ φ 19	62	φ 70	7	115	198	260	12	180
	φ 100	4-M6x15	≦ φ 19	62	φ 80	7	115	198	260	12	180
	φ 115	4-M8x20	≦ φ 24	62	φ 95	10	115	198	260	13	180
	φ 130	4-M8x20	≦ φ 24	62	φ 95	10	115	198	260	13	180
	φ 132	4-M8x20	≦ φ 24	62	φ 95	10	115	198	260	13	180
	φ 145	4-M8x20	≦ φ 24	62	φ 110	10	130	198	267.5	13	180
SBR120-L2	φ 90	4-M5x15,4-M6x15	≦ φ 19	47	φ 70	7	90	207	269	7.5	155.5
	φ 100	4-M6x15	≦ φ 19	47	φ 80	7	90	207	269	7.5	155.5
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	100	207	274	12.5	167.5
	φ 130	4-M8x20	≦ φ 24	59	φ 95	10	115	207	281.5	12.5	167.5
	φ 132	4-M8x20	≦ φ 24	59	φ 95	10	115	207	281.5	12.5	167.5
	φ 145	4-M8x20	≦ φ 24	59.5	φ 110	10	130	207	289	13	168
φ 145	4-M8x20	≦ φ 24	68	φ 110	10	130	207	289	21.5	176.5	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

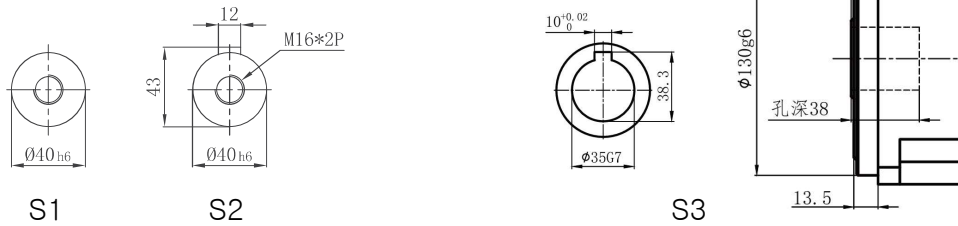
SBR142-L1



SBR142-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR142-L1	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	240	337	19.5	219
	φ 145	4-M8x20	≦ φ 28	81	φ 110	10	142	240	337	19.5	219
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	240	337	19.5	219
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	240	356	21.5	221
	φ 200	4-M12x35	≦ φ 42	115	φ 114.3	8	180	240	356	53.5	253
	φ 215	4-M12x35	≦ φ 42	83	φ 180	8	190	240	361	21.5	221
SBR142-L2	φ 130	4-M8x20	≦ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≦ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≦ φ 24	71	φ 110	10	130	254	358.5	22	202.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	254	364.5	19.5	219
	φ 200	4-M12x35	≦ φ 35	83	φ 114.3	8	180	254	383.5	21.5	211.5
	φ 200	4-M12x35	≦ φ 42	115	φ 114.3	8	180	254	383.5	53.5	243.5

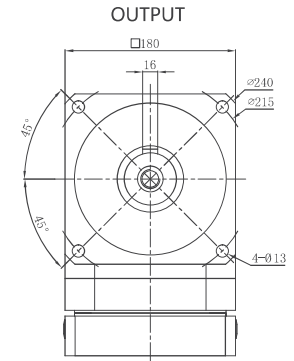
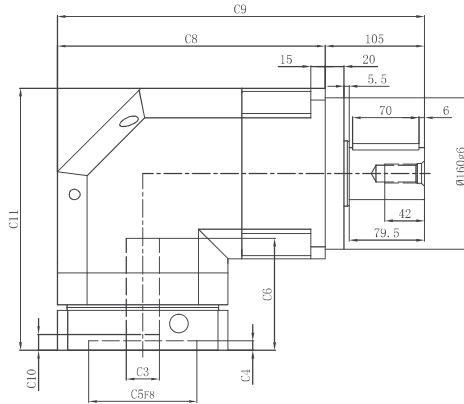
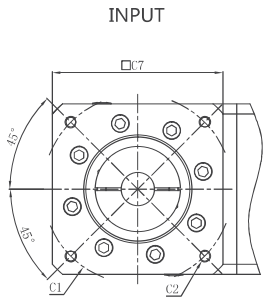
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

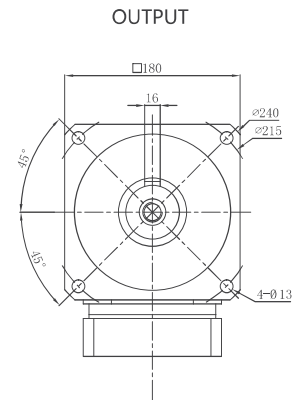
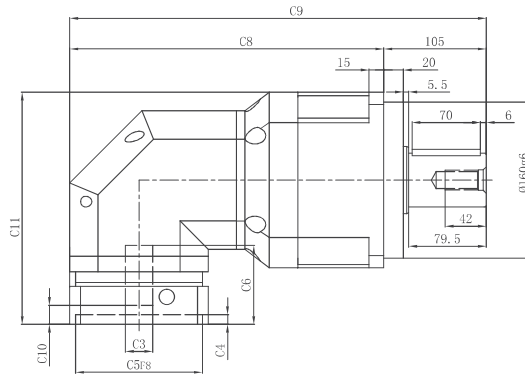
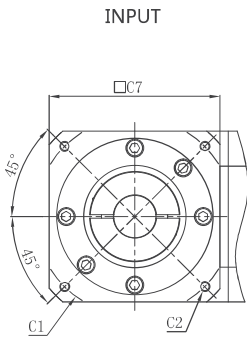
SBX/SBXR

SDX/SDXR

SBR180-L1



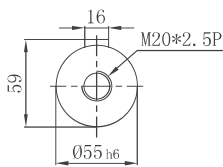
SBR180-L2



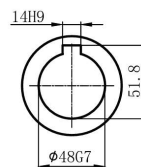
출력샤프트/Output Shaft



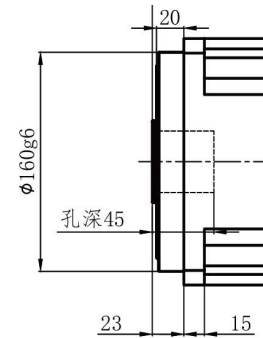
S1



S2



S3



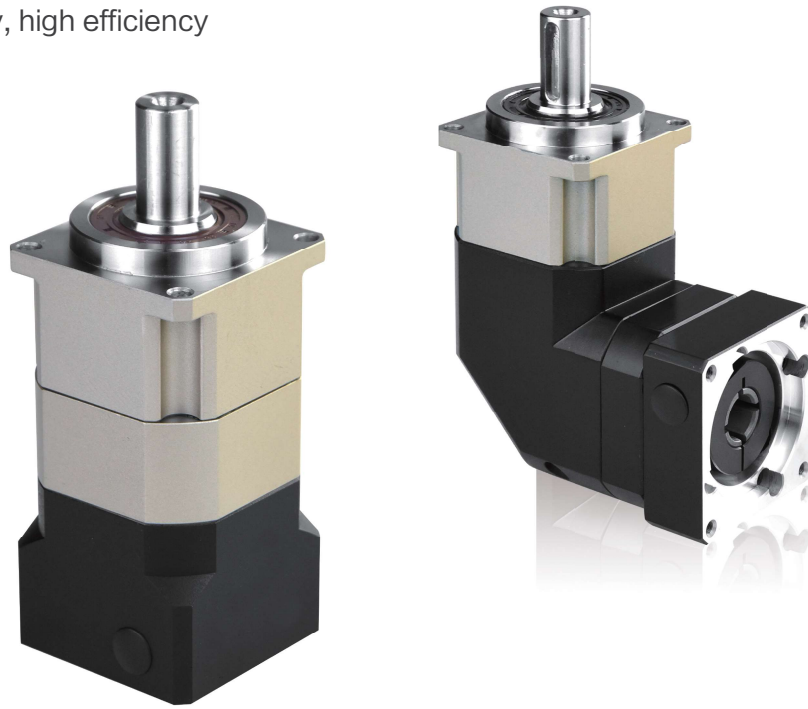
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBR180-L1	φ 165	4-M10x25,4-M12x35	≦ φ 32	118	φ 130	10	180	282.5	387.5	16.5	276.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	282.5	387.5	16.5	276.5
	φ 215	4-M14x35	≦ φ 42	118	φ 180	10	190	287.5	392.5	16.5	276.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	150	φ 200	10	220	302.5	407.5	48.5	308.5
SBR180-L2	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	322	427	19.5	238
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	341	446	21.5	240
	φ 200	4-M10x25,4-M12x35	≦ φ 42	115	φ 114.3	8	180	341	446	53.5	272
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	346	451	21.5	240

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SBX / SBXR series

고정밀도, 고강성, 고효율

High precision, high rigidity, high efficiency



고정밀도, 고강성, 고효율, 저소음



일체형의 2중지지 캐리어, 넓은 간격의 전후 베어링 설계를 통한 안정성 확보



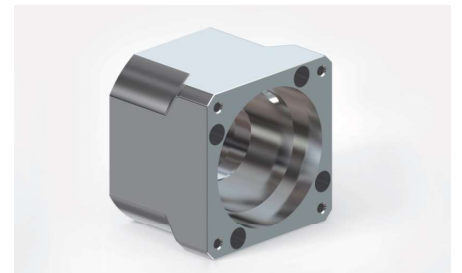
헬리컬기어 적용으로 높은 전달효율 및 강성 확보



SUN GEAR와 입력축을 일체형으로 설계 회전진동 감소, 정밀도 확보

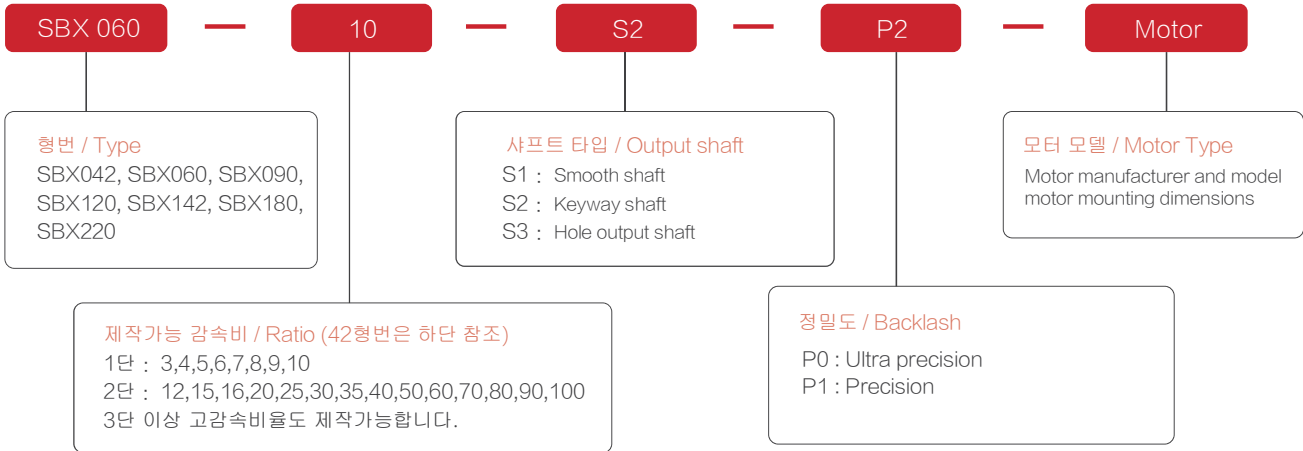


링기어와 몸체의 통합설계로 정밀도와 내마모성 확보

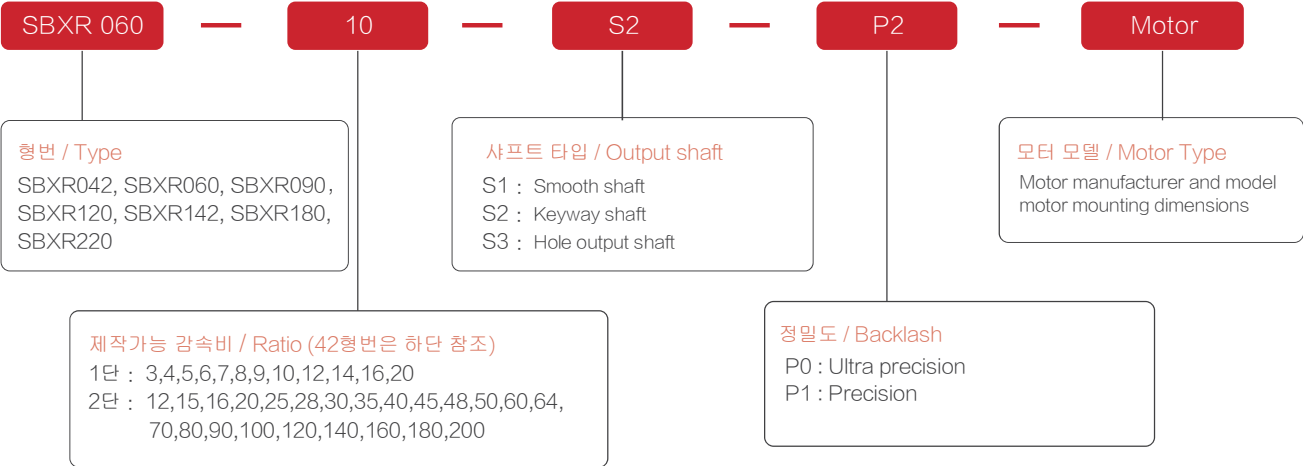


일체형 또는 분리형 플렌지 사용 다양한 모터에 대응 가능

품명 / Type Description

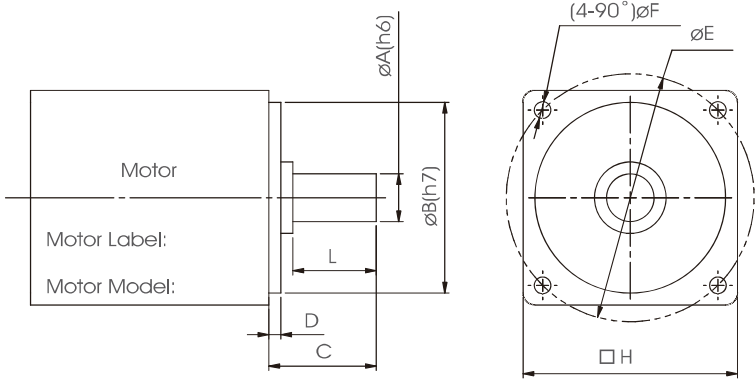


42각 1단 감속비 : 3,4,5,8,10
42각 2단 감속비 : 15,16,20,25,30,32,40,50,80,100



42각 1단 감속비 : 3,4,5,8,10
42각 2단 감속비 : 15,16,20,25,30,32,40,50,80,100

Motor Data



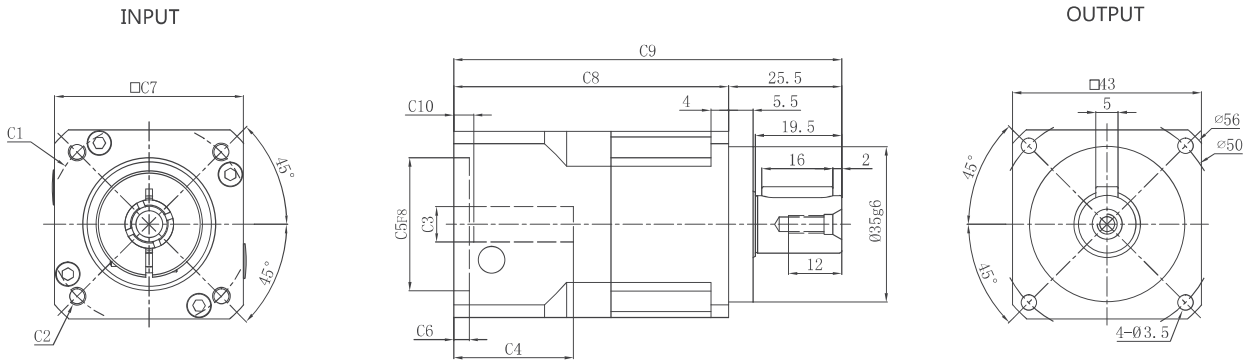
SB/SBR
SBX/SBXR
SDX/SDXR

사양/Specifications	단위/Unit	단수/Stage	감속비/Ratio	SBX042	SBX060	SBX090	SBX120	SBX142	SBX180	SBX220	
정격출력 토크 T _{2N} Rated Output Torque	Nm	1	3	20	55	130	208	342	900	1140	
			4	19	50	140	290	542	1050	1700	
			5	22	60	160	330	650	1200	2000	
			6	-	55	150	310	600	1100	1800	
			7	-	50	140	300	550	1100	1800	
			8	17	45	120	260	500	1000	1600	
			9	-	40	100	230	450	900	1500	
			10	14	40	100	230	450	900	1500	
		*전체 감속비는 30페이지 참고	2	15	20	55	130	208	342	900	1140
				20	19	50	140	290	542	1050	1700
				25	22	60	160	330	650	1200	1700
				30	20	55	130	208	550	900	1140
				40	19	45	140	290	500	1050	1700
				50	22	60	160	330	650	1200	2000
				70	-	50	140	300	550	1100	1800
80	17	45	120	260	500	1000	1600				
100	14	40	100	230	450	900	1500				
비상정지 토크 T _{2EOT} Emergency Stop Torque T _{2EOT}	Nm	1,2	3~100	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque							
정격입력 속도 n _{IN} Nominal Input Speed n _{IN}	rpm	1,2	3~100	3000	3000	3000	3000	3000	3000	2500	
최대입력 속도 n _{1max} Max.Input Speed n _{1max}	rpm	1,2	3~100	6000	6000	6000	6000	6000	6000	5000	
정밀도 : P0 Backlash : P0	Arcmin	1	3~10	-	-	≤1	≤1	≤1	≤1	≤1	
		2	12~100	-	-	≤3	≤3	≤3	≤3	≤3	
정밀도 : P1 Backlash : P1	Arcmin	1	3~10	≤5	≤3	≤3	≤3	≤3	≤3	≤3	
		2	12~100	≤7	≤5	≤5	≤5	≤5	≤5	≤5	
비틀림 강성/Torsional stiffness	Nm/Arcmin	1,2	3~100	3	4.5	14	25	50	145	225	
최대 축하중 F _{2AMax} Maximum Axial Force F _{2AMax}	N	1,2	3~100	350	630	1300	3000	4000	7250	14000	
최대 레이디얼하중 F _{2RMMax} Maximum radial force F _{2RMMax}	N	1,2	3~100	780	1530	3250	6700	9400	14500	30000	
효율 η/Work efficiency η	%	1	3~10	95	95	95	95	95	95	95	
		2	12~100	92	92	92	92	92	92	92	
사용수명/Service Life	h	1,2	3~100	20000							
소음수준/Noise L level	DB (A)	1,2	3~100	≤56	≤58	≤60	≤63	≤65	≤67	≤70	
중량/Weight	Kg	1	3~10	0.5	1.3	3.7	7.8	14.5	29	48	
		2	12~100	0.8	1.9	4.6	10	17.5	33	62	
설치방향/Mounting Position	-	1,2	3~100	모든방향 / Any direction							
사용온도/Operating Temp	℃	1,2	3~100	-10℃ ~ +90℃							
윤활/Lubrication	-	1,2	3~100	합성 윤활 그리스 / Synthetic Lubricating Grease							
보호등급/Protection Class	-	1,2	3~100	IP65							

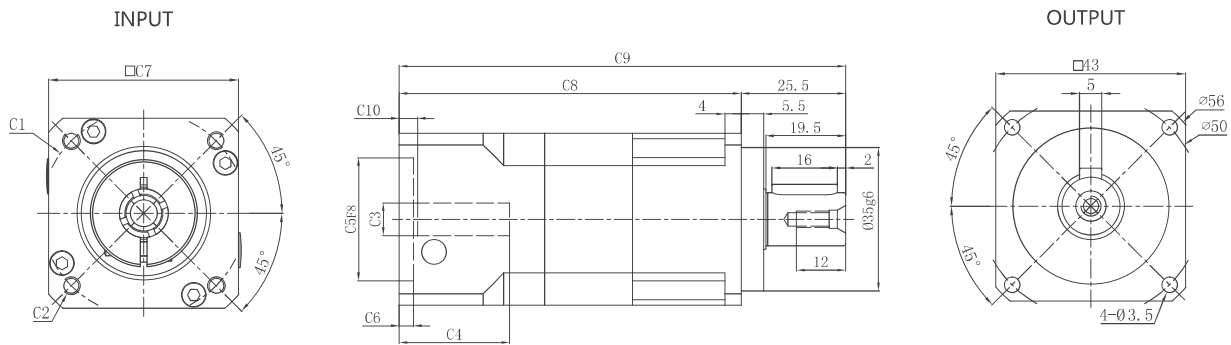
관성모멘트/Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SBX042	8	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
SBX060	11	0.25	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.09	0.09	0.08	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15
SBX090	19	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5
SBX120	22	11.5	10.5	10	10	9.9	9.9	9.6	9.5	9	9	8.5	2.2	2.1	2.1	2	2	19	1.8	1.8	1.7
SBX142	35	14.5	12	11	10	10	9.5	9.5	9	9	8.5	8.5	3.3	3.2	3	2.9	2.7	2.5	2.3	2.2	2
SBX180	42	52	41	37	36	35	32	30	28	19	18.5	18.5	12	11.4	10.9	10.2	9.8	9.7	9.3	9.0	8.5
SBX220	55	130	95	77	75	68	65	60	55	55	50	50	30	28	27	26.5	25.5	24	23	21	19.5

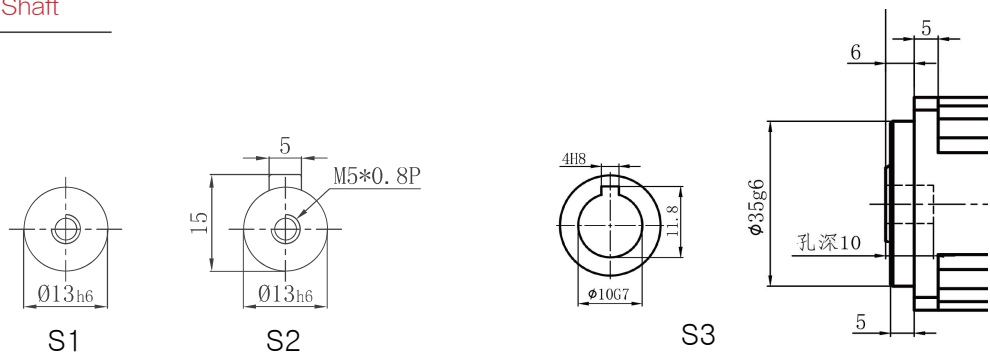
SBX042-L1



SBX042-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX042-L1	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	63	88.5	4.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	63	88.5	4.5
SBX042-L2	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	85.5	110	4.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	85.5	110	4.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

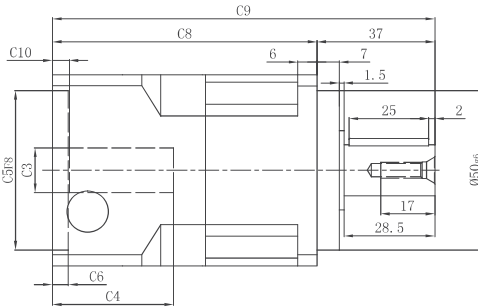
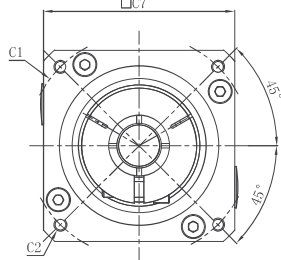
SB/SBR

SBX/SBXR

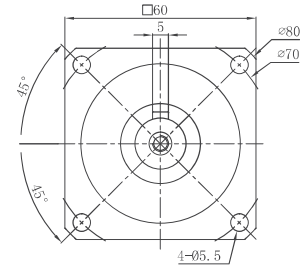
SDX/SDXR

SBX060-L1

INPUT

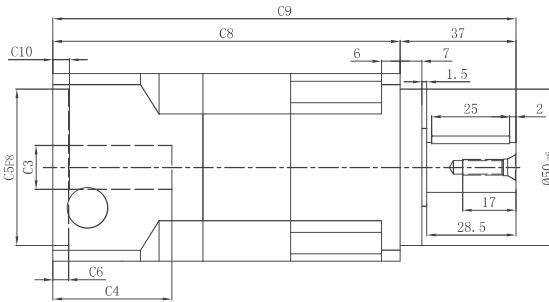
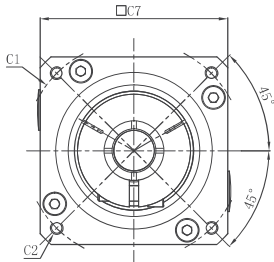


OUTPUT

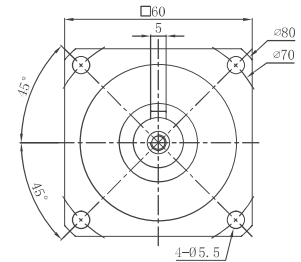


SBX060-L2

INPUT



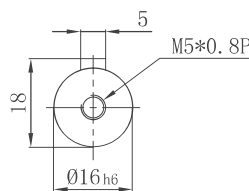
OUTPUT



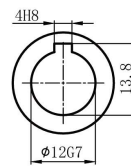
출력샤프트/Output Shaft



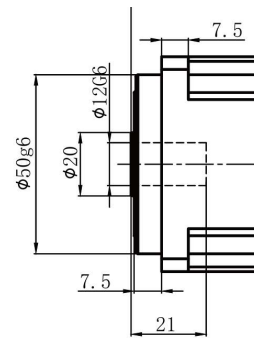
S1



S2



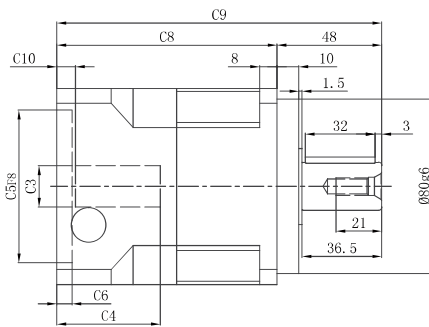
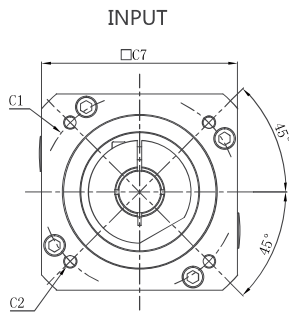
S3



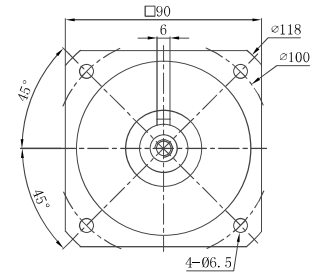
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX060-L1	$\phi 46$	4-M4x12,4-M5x12	$\leq \phi 8$	44	$\phi 30$	9	60	91	126	10.3
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	38	$\phi 38.1$	3	60	83	120	4.3
	$\phi 70$	4-M4x12,4-M5x12	$\leq \phi 14$	38	$\phi 50$	5	60	83	120	5.3
	$\phi 75$	4-M4x12,4-M5x12	$\leq \phi 14$	38.5	$\phi 60$	5	66	83.5	120	5.5
	$\phi 90$	4-M5x15,4-M6x15	$\leq \phi 19$	44	$\phi 70$	7	80	89	128	11
	$\phi 100$	4-M6x15	$\leq \phi 19$	44	$\phi 80$	7	90	89	128	11
SBX060-L2	$\phi 46$	4-M4x12, 4-M5x12	$\leq \phi 8$	44	$\phi 30$	9	60	117	154.	10.3
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	38	$\phi 38.1$	3	60	111	148	4.3
	$\phi 70$	4-M4x12,4-M5x12	$\leq \phi 14$	38	$\phi 50$	5	60	111	148	5.3
	$\phi 75$	4-M4x10,4-M5x12	$\leq \phi 14$	38.5	$\phi 60$	5	66	111.5	148	5.5
	$\phi 90$	4-M5x15,4-M6x15	$\leq \phi 19$	44	$\phi 70$	7	80	117	156	11
	$\phi 100$	4-M6x15	$\leq \phi 19$	44	$\phi 80$	7	90	117	156	11

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

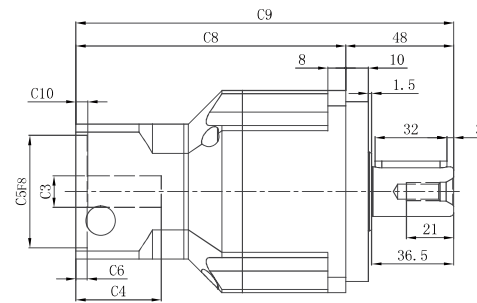
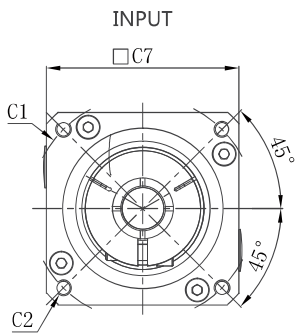
SBX090-L1



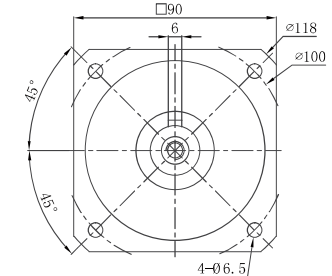
OUTPUT



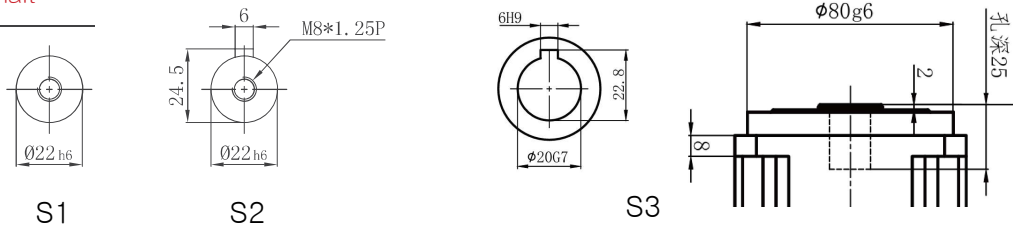
SBX090-L2



OUTPUT



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX090-L1	φ 70	4-M4x12,4-M5x12	≦ φ 14	47.5	φ 50	4	90	101	149	6
	φ 75	4-M4x12,4-M5x12	≦ φ 14	47.5	φ 60	5.5	90	101	149	6
	φ 90	4-M5x15,4-M6x15	≦ φ 19	47.5	φ 70	7	90	101	149	7
	φ 98.4	4-M6x15	≦ φ 14	47.5	φ 73	7	90	101	149	7
	φ 98.4	4-M6x15	≦ φ 14	47.5	φ 60	7	90	101	149	7
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	101	149	7
	φ 115	4-M8x20	≦ φ 24	61.5	φ 95	10	100	113	161	12.5
	φ 130	4-M8x20	≦ φ 24	61.5	φ 95	10	115	113	161	12.5
SBX090-L2	φ 145	4-M8x20	≦ φ 24	61.5	φ 110	10	130	113	161	12.5
	φ 145	4-M8x20	≦ φ 24	70.5	φ 110	10	130	122	170	21.5
	φ 70	4-M4x12,4-M5x12	≦ φ 14	38	φ 50	5	60	120	168	5.3
	φ 75	4-M4x12,4-M5x12	≦ φ 14	38.5	φ 60	5.5	66	120.5	168	5.8
	φ 90	4-M5x15,4-M6x15	≦ φ 19	50.5	φ 70	7	80	128	176	11
	φ 98.4	4-M6x15	≦ φ 14	50.5	φ 73	7	90	128	176	11
	φ 98.4	4-M6x15	≦ φ 14	50.5	φ 60	7	90	128	176	11
	φ 100	4-M6x15	≦ φ 19	50.5	φ 80	7	90	128	176	11
SBX090-L2	φ 115	4-M8x20	≦ φ 24	61.5	φ 95	10	100	153	201	12.5
	φ 130	4-M8x20	≦ φ 24	61.5	φ 95	10	115	153	161	12.5
	φ 145	4-M8x20	≦ φ 24	61.5	φ 110	10	130	153	201	12.5
	φ 145	4-M8x20	≦ φ 24	70.5	φ 110	10	130	162	210	21.5

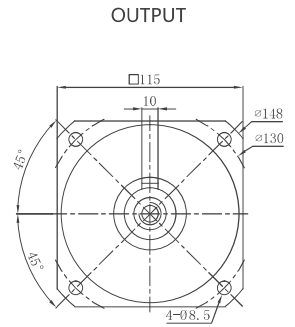
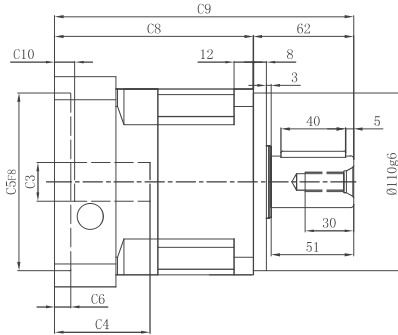
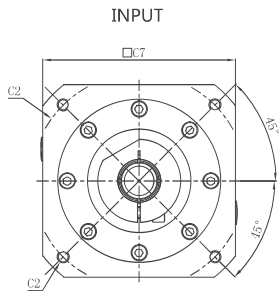
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

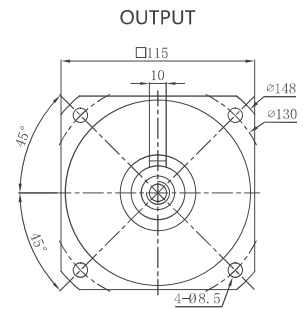
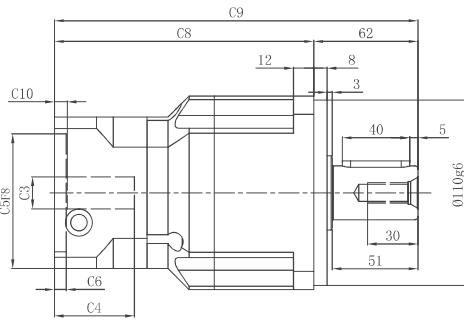
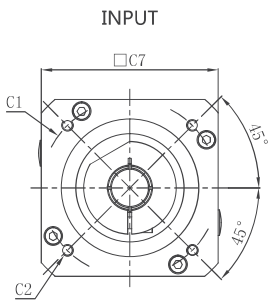
SBX/SBXR

SDX/SDXR

SBX120-L1



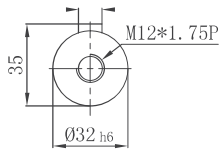
SBX120-L2



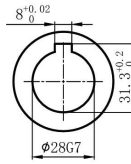
출력샤프트/Output Shaft



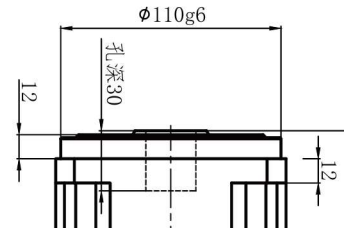
S1



S2



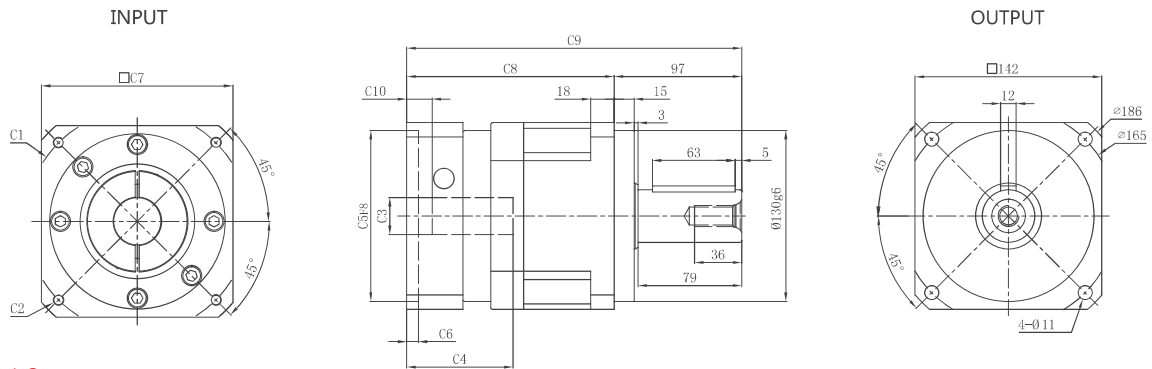
S3



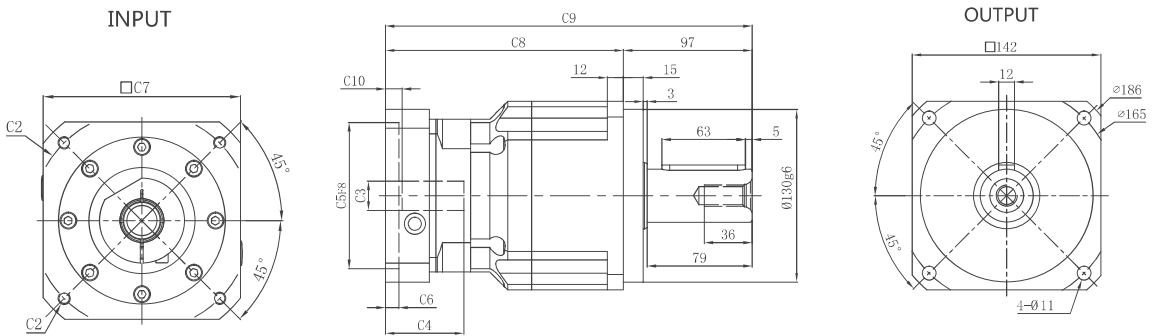
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX120-L1	φ90	4-M5x15,4-M6x15	≦ φ19	48.5	φ70	7	115	112.5	174.5	7
	φ100	4-M6x15	≦ φ19	48.5	φ80	7	115	112.5	174.5	7
	φ115	4-M8x20	≦ φ24	58	φ95	10	115	122	184	11.5
	φ130	4-M8x20	≦ φ24	58	φ95	10	115	122	184	11.5
	φ132	4-M8x20	≦ φ24	58	φ85	10	115	122	184	11.5
	φ145	4-M8x20	≦ φ24	59	φ110	10	130	123	185	12.5
	φ145	4-M8x20	≦ φ24	68	φ110	10	130	132	194	21.5
	φ165	4-M10x30	≦ φ32	80	φ130	10	142	148.5	210.5	18.5
	φ200	4-M12x35	≦ φ35	82	φ114.3	8	180	150.5	212.5	20.5
SBX120-L2	φ215	4-M14x35	≦ φ38	82	φ180	8	190	150.5	212.5	20.5
	φ90	4-M5x15,4-M6x15	≦ φ19	47.5	φ70	7	90	154	216	7
	φ100	4-M6x15	≦ φ19	47.5	φ80	7	90	154	216	7
	φ115	4-M8x20	≦ φ24	61.5	φ95	10	100	166	228	12.5
	φ130	4-M8x20	≦ φ24	61.5	φ95	10	115	166	228	12.5
	φ132	4-M8x20	≦ φ24	61.5	φ85	10	115	166	228	12.5
	φ145	4-M8x20	≦ φ24	62	φ110	10	130	166.5	228.5	13
	φ145	4-M8x20	≦ φ24	70.5	φ110	10	130	175	237	21.5
	φ165	4-M10x30	≦ φ32	80	φ130	10	142	196.5	258.5	18.5
φ200	4-M12x35	≦ φ35	82	φ114.3	8	180	198.5	260.5	20.5	
φ215	4-M14x35	≦ φ38	82	φ180	8	190	198.5	260.5	20.5	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

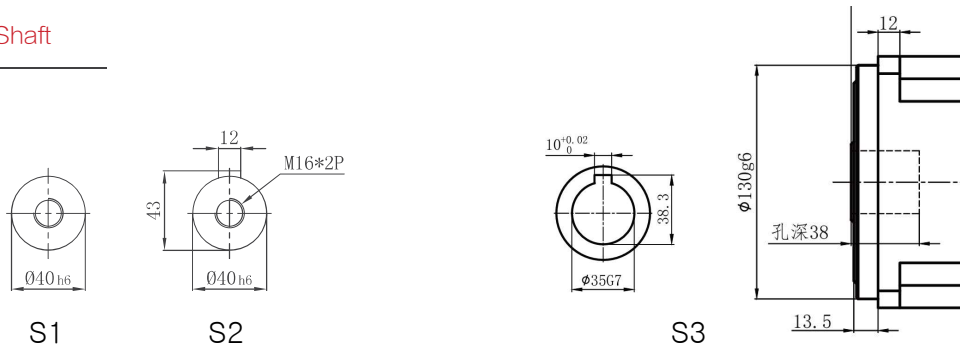
SBX142-L1



SBX142-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX142-L1	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	158	255	19.5
	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	158	255	19.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	158	255	19.5
	φ 175	4-M10x25	≦ φ 32	81	φ 130	10	150	158	255	19.5
	φ 185	4-M10x30	≦ φ 35	81	φ 150	8	160	158	255	19.5
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	160	257	21.5
SBX142-L2	φ 200	4-M12x35	≦ φ 42	115	φ 114.3	8	180	192	289	53.5
	φ 215	4-M12x35,4-M14x35	≦ φ 42	83	φ 180	8	190	160	257	21.5
	φ 130	4-M8x20	≦ φ 24	59	φ 110	10	130	179	276	12.5
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	179	276	12.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	80	φ 130	10	142	204.5	301.5	19.5
	φ 175	4-M10x25	≦ φ 32	80	φ 130	10	150	204.5	301.5	19.5
	φ 185	4-M10x30	≦ φ 35	80	φ 150	8	160	204.5	301.5	19.5
	φ 200	4-M12x35	≦ φ 42	82	φ 114.3	8	180	206.5	303.5	21.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

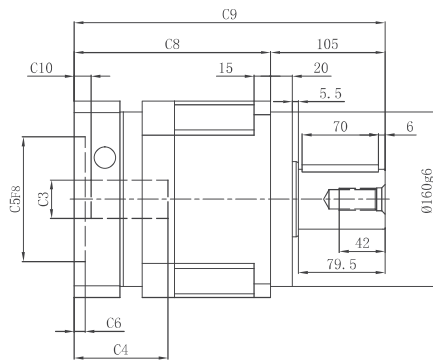
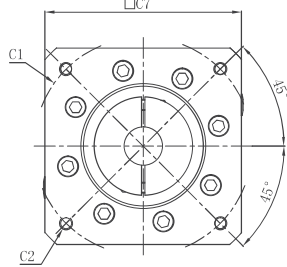
SB/SBR

SBX/SBXR

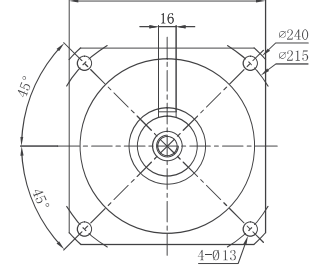
SDX/SDXR

SBX180-L1

INPUT

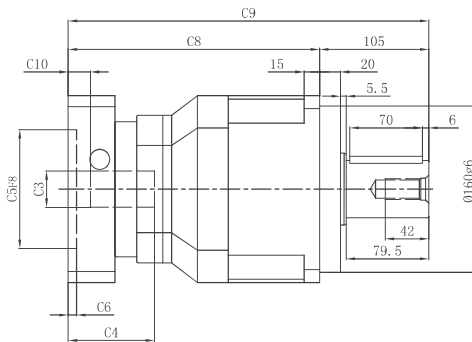
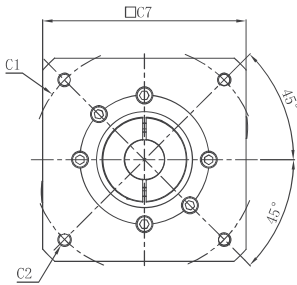


OUTPUT

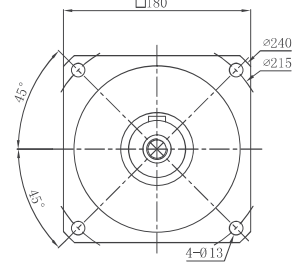


SBX180-L2

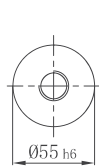
INPUT



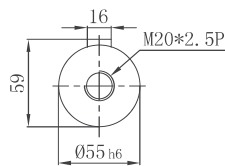
OUTPUT



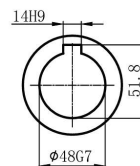
출력샤프트/Output Shaft



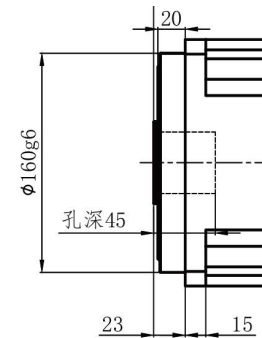
S1



S2



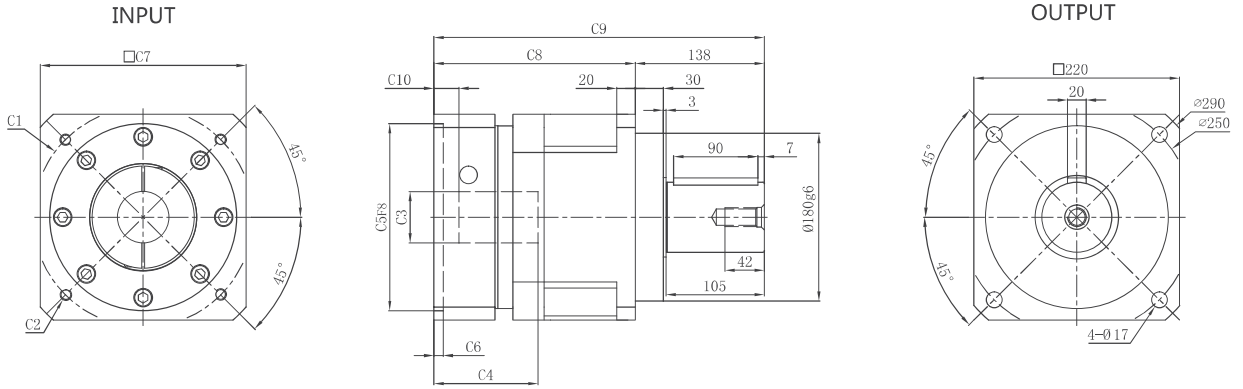
S3



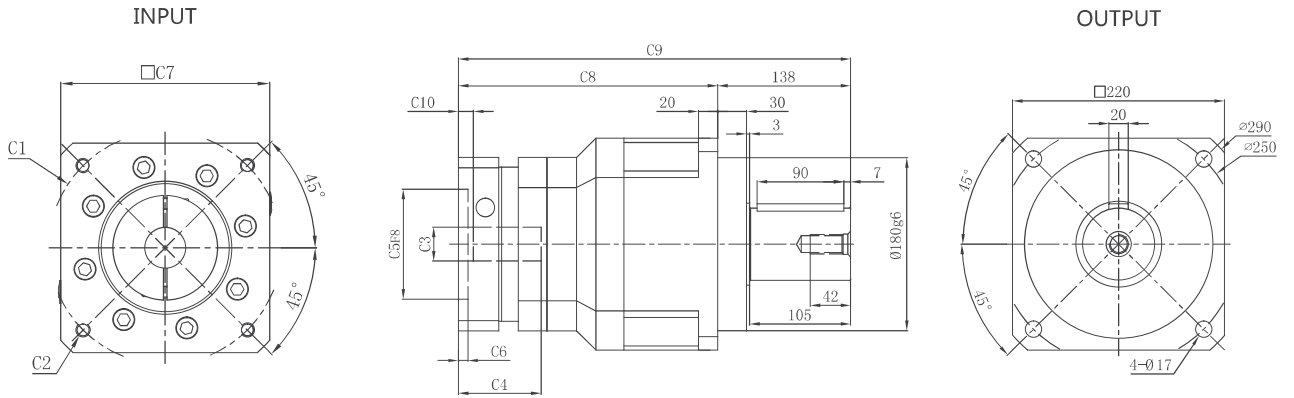
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX180-L1	φ 165	4-M10x25,4-M12x35	≦ φ 32	86	φ 130	10	180	180	285	15.5
	φ 200	4-M12x35	≦ φ 42	86	φ 114.3	10	180	180	285	15.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	212	317	47.5
	φ 215	4-M14x35	≦ φ 42	86	φ 180	10	190	180	285	15.5
	φ 215	4-M14x35	≦ φ 42	118	φ 180	10	190	212	317	47.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	118	φ 200	10	220	212	317	47.5
SBX180-L2	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	240	345	19.5
	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	240	345	19.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	86	φ 130	8	180	242	347	21.5
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	242	347	21.5
	φ 200	4-M10x25,4-M12x35	≦ φ 42	115	φ 114.3	8	180	274	379	53.5
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	242	347	21.5
	φ 215	4-M14x35	≦ φ 42	115	φ 180	8	190	274	379	53.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	118	φ 200	10	220	274	379	47.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

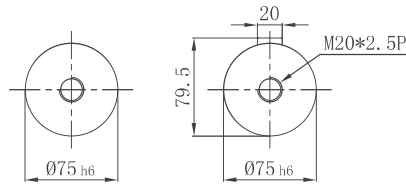
SBX220-L1



SBX220-L2



출력샤프트/Output Shaft



S1

S2

치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SBX220-L1	φ 200	4-M12x35	≦ φ 42	119	φ 114.3	10	220	215.5	353.5	27
	φ 215	4-M14x35	≦ φ 42	119	φ 180	10	220	215.5	353.5	27
	φ 235	4-M12x35,4-M14x35	≦ φ 55	119	φ 200	10	220	215.5	353.5	27
	φ 165	4-M10x25,4-M12x35	≦ φ 32	86	φ 130	10	180	269.5	407.5	15.5
SBX220-L2	φ 200	4-M12x35	≦ φ 42	86	φ 114.3	10	180	269.5	407.5	15.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	301.5	439.5	47.5
	φ 215	4-M12x35,4-M14x35	≦ φ 42	86	φ 180	10	190	269.5	407.5	15.5
	φ 215	4-M12x35,4-M14x35	≦ φ 42	118	φ 180	10	190	301.5	439.5	47.5
	φ 235	4-M12x35,4-M14x35	≦ φ 55	118	φ 200	10	220	301.5	439.5	47.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

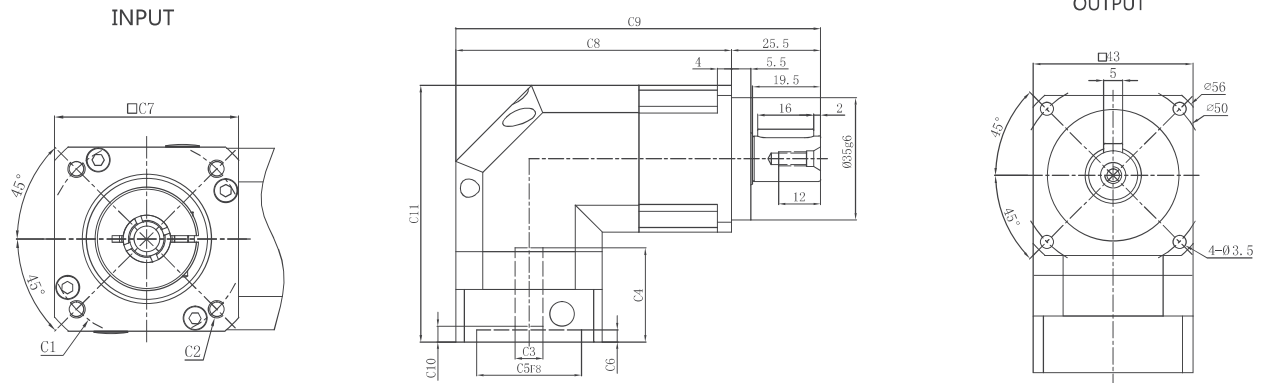
SB/SBR
SBX/SBXR
SDX/SDXR

사양/Specifications	단위/Unit	단수/Stage	감속비/Ratio	SBXR042	SBXR060	SBXR090	SBXR120	SBXR142	SBXR180	SBXR220		
정격출력 토크 T _{2N} Rated Output Torque	Nm	1	3	20	36	130	208	342	900	1140		
			4	19	48	140	290	542	1050	1700		
			5	22	60	160	330	650	1200	2000		
			6	-	55	150	310	600	1100	1800		
			7	-	50	140	300	550	1100	1800		
			8	19	45	140	290	542	1050	1600		
			9	-	40	100	230	450	900	1500		
			10	22	40	160	330	650	1200	1600		
			14	-	42	132	280	530	990	1600		
		16	-	40	100	230	450	900	1500			
		20	-	38	100	230	450	900	1500			
		*전체 감속비는 30페이지 참고		2	15	20	36	130	208	342	900	1140
					20	19	48	140	290	542	1050	1700
					30	20	36	130	208	342	900	1140
					40	19	48	140	290	542	1050	1700
					50	22	60	160	330	650	1200	2000
					60	-	55	150	310	600	1100	1800
					70	-	50	140	300	550	1200	1800
					80	19	45	140	290	542	1050	1600
100	22				40	160	330	650	1200	1500		
140	-				42	140	300	550	1100	1600		
160	-	40	100	230	450	900	1500					
200	-	40	100	230	450	900	1500					
비상정지 토크 T _{2EOT} Emergency Stop Torque T _{2EOT}	Nm	1,2	3~200	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque								
정격입력 속도 n _{IN} Nominal Input Speed n _{IN}	rpm	1,2	3~200	3000	3000	3000	3000	3000	3000	2500		
최대입력 속도 n _{1max} Max.Input Speed n _{1max}	rpm	1,2	3~200	6000	6000	6000	6000	6000	6000	5000		
정밀도 : P0 Backlash : P0	Arcmin	1	3~20	-	-	≤2	≤2	≤2	≤2	≤2		
		2	12~200	-	-	≤4	≤4	≤4	≤4	≤4		
정밀도 : P1 Backlash : P1	Arcmin	1	3~20	≤7	≤4	≤4	≤4	≤4	≤4	≤4		
		2	12~200	≤9	≤7	≤7	≤7	≤7	≤7	≤7		
비틀림 강성/Torsional stiffness	Nm/Arcmin	1,2	3~200	3	4.5	14	25	50	145	225		
최대 축하중 F _{2AMax} Maximum Axial Force F _{2AMax}	N	1,2	3~200	350	765	1625	3350	4700	7250	14000		
최대 레이디얼 하중 F _{2RMMax} Maximum radial force F _{2RMMax}	N	1,2	3~200	780	1530	3250	6700	9400	14500	3000		
효율 η/Work efficiency η	%	1	3~20	92	92	92	92	92	92	92		
		2	12~200	90	90	90	90	90	90	90		
사용수명/Service Life	h	1,2	3~200	20000								
소음수준/Noise L level	DB (A)	1,2	3~200	≤61	≤63	≤65	≤68	≤70	≤72	≤72		
중량/Weight	Kg	1	3~20	0.9	2.1	6.4	13	24	51	91		
		2	12~200	1.2	2.8	7.8	14	27	54	78		
설치방향/mounting Position	-	1,2	3~200	모든 방향 / Any direction								
사용온도/Operating Temp	℃	1,2	3~200	-10℃ ~ +90℃								
윤활/Lubrication	-	1,2	3~200	합성 윤활 그리스 / Synthetic Lubricating Grease								
보호등급/Protection Class	-	1,2	3~200	IP65								

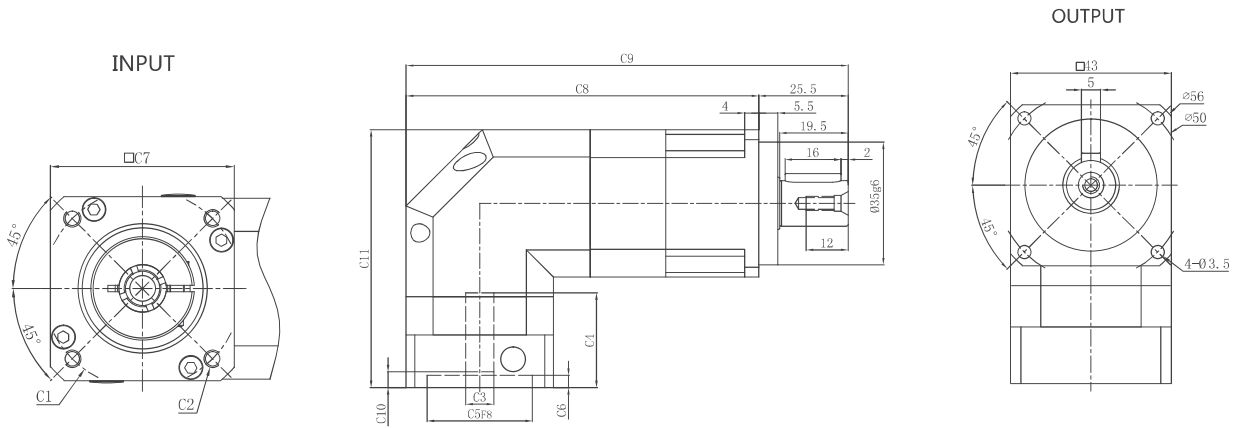
관성모멘트/Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SBXR042	8	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
SBXR060	11	0.25	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.09	0.09	0.08	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15
SBXR090	19	0.28	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.13	0.12	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5
SBXR120	22	11.5	10.5	10	10	9.9	9.9	9.6	9.5	9	9	8.5	2.2	2.1	2.1	2	2	19	1.8	1.8	1.7
SBXR142	35	14.5	12	11	10	10	9.5	9.5	9	9	8.5	8.5	3.3	3.2	3	2.9	2.7	2.5	2.3	2.2	2
SBXR180	42	52	41	37	36	35	32	30	28	19	18.5	18.5	12	11.4	10.9	10.2	9.8	9.7	9.3	9.0	8.5
SBXR220	55	130	95	77	75	68	65	60	55	55	50	50	30	28	27	26.5	25.5	24	23	21	19.5

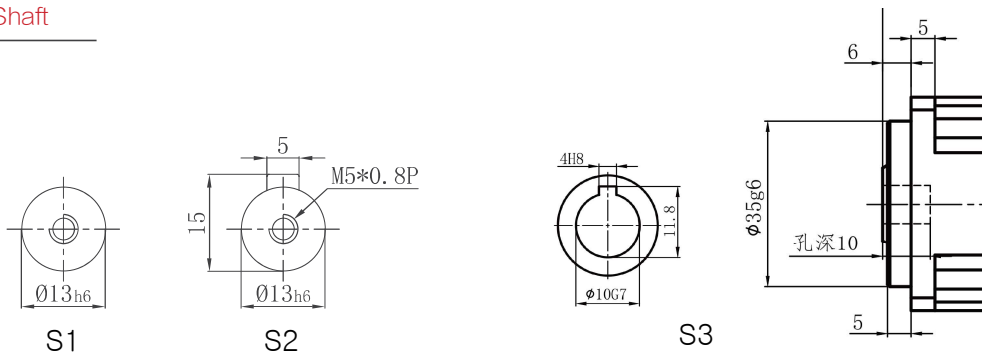
SBXR042-L1



SBXR042-L2



출력샤프트/Output Shaft



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR042-L1	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	80	105.5	4.5	73.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	80	105.5	4.5	73.5
SBXR042-L2	$\phi 45$	4-M3x8	$\leq \phi 8$	27	$\phi 30$	3.5	43	102.5	128	4.5	73.5
	$\phi 46$	4-M4x10	$\leq \phi 8$	27	$\phi 30$	3.5	43	102.5	128	4.5	73.5

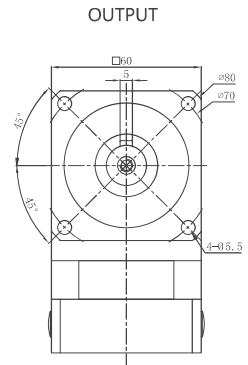
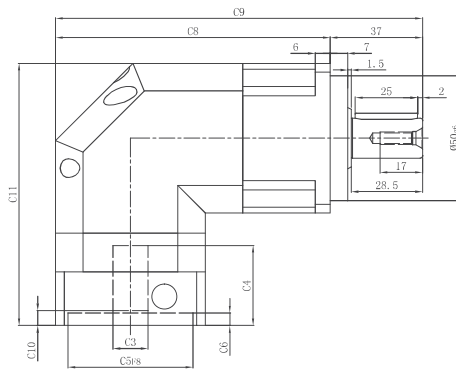
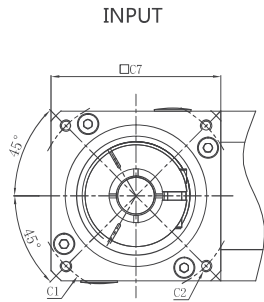
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

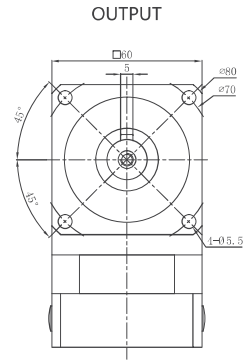
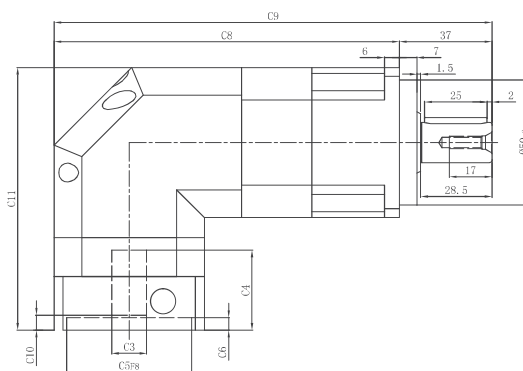
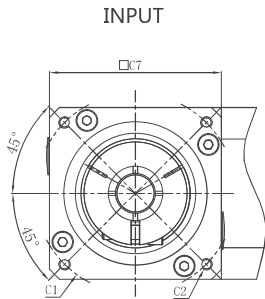
SBX/SBXR

SDX/SDXR

SBXR060-L1



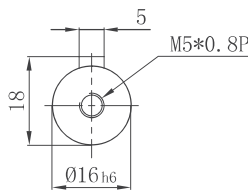
SBXR060-L2



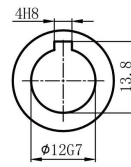
출력샤프트/Output Shaft



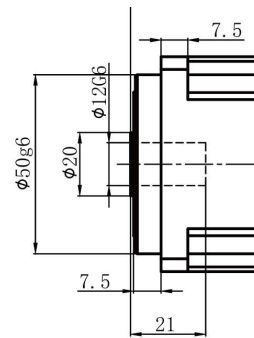
S1



S2



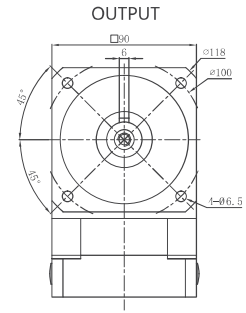
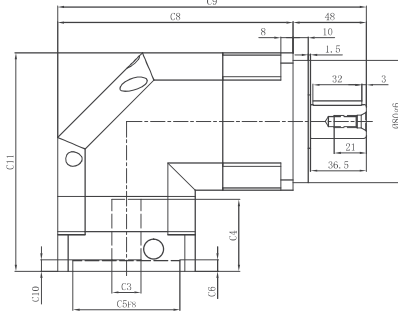
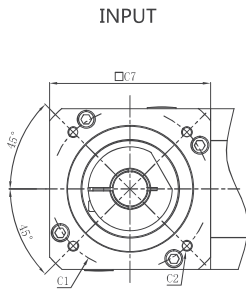
S3



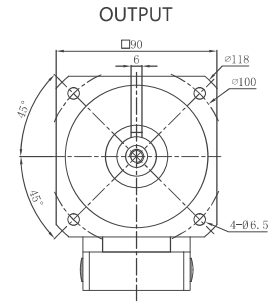
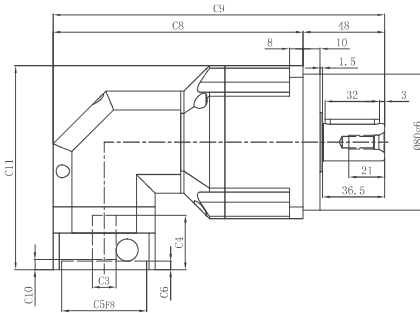
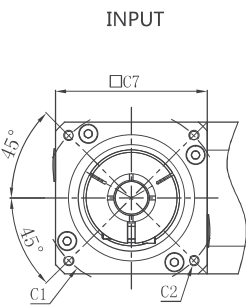
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR060-L1	$\phi 46$	4-M4x12,4-M5x12	$\leq \phi 8$	37.5	$\phi 30$	10.5	60	110	147	11.5	110.5
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	32	$\phi 38.1$	5	60	110	147	5.5	105
	$\phi 70$	4-M4x10,4-M5x12	$\leq \phi 14$	32	$\phi 50$	5	60	110	147	6	105
	$\phi 75$	4-M4x12,4-M5x12	$\leq \phi 14$	32	$\phi 60$	5	66	110	150	6	105
	$\phi 90$	4-M6x15	$\leq \phi 19$	42	$\phi 70$	7	80	110	160	11	117
SBXR060-L2	$\phi 46$	4-M4x12,4-M5x12	$\leq \phi 8$	37.5	$\phi 30$	10.5	60	138	175	11.5	110.5
	$\phi 66.7$	4-M4x12	$\leq \phi 8$	32	$\phi 38.1$	5	60	138	175	5.5	105
	$\phi 70$	4-M4x10,4-M5x12	$\leq \phi 14$	32	$\phi 50$	5	60	138	175	6	105
	$\phi 75$	4-M4x12,4-M5x12	$\leq \phi 14$	32	$\phi 60$	5	66	138	178	6	105
	$\phi 90$	4-M6x15	$\leq \phi 19$	42	$\phi 70$	7	80	138	188	11	117
	$\phi 100$	4-M6x15	$\leq \phi 19$	44	$\phi 80$	7	90	138	188	11	117

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SBXR090-L1



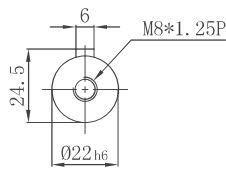
SBXR090-L2



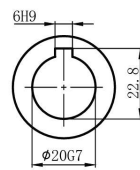
출력샤프트/Output Shaft



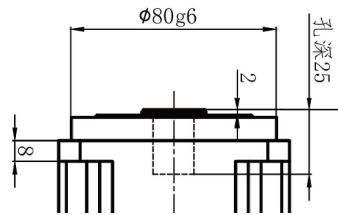
S1



S2



S3

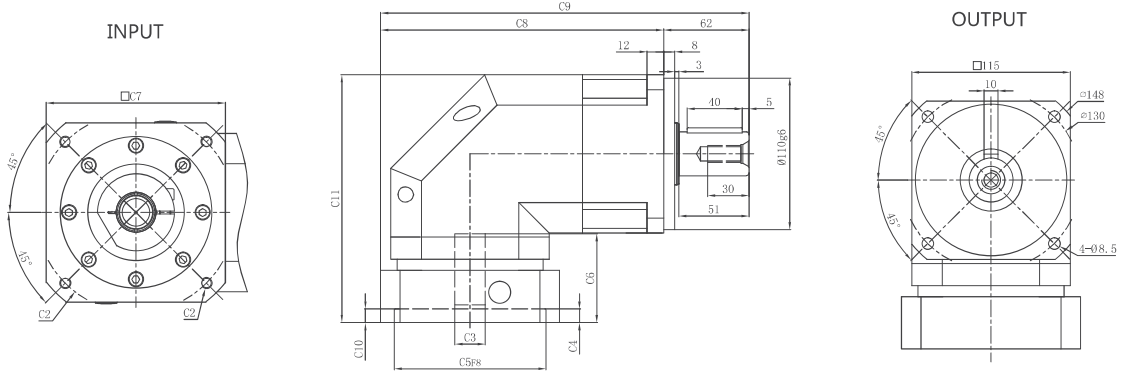


치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR090-L1	φ 70	4-M4x10,4-M5x12	≦ φ 14	47	φ 50	4	90	154	202	6.5	143
	φ 75	4-M4x12,4-M5x12	≦ φ 14	47	φ 60	5.5	90	154	202	6.5	143
	φ 90	4-M5x15,4-M6x15	≦ φ 19	47	φ 70	7	90	154	202	7.5	143
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	47.5	φ 73	7	90	154	202	7.5	143
	φ 98.4	4-M6x15	≦ φ 14	47.5	φ 60	7	90	154	202	7.5	143
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	154	202	12.5	143
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	100	154	207	12.5	155
	φ 130	4-M8x20	≦ φ 24	59	φ 95	10	115	154	214.5	12.5	155
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	154	262.	12.5	155
SBXR090-L2	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	147	195	6	120
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	147	198	6	120
	φ 90	4-M5x15,4-M6x15	≦ φ 19	42	φ 70	7	80	147	205	11	132
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	42	φ 73	7	90	147	210	11	132
	φ 98.4	4-M6x15	≦ φ 14	42	φ 60	7	90	147	210	11	132
	φ 100	4-M6x15	≦ φ 19	42	φ 80	7	90	147	210	11	132
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	100	194	267	12.5	155
	φ 130	4-M8x20	≦ φ 24	59	φ 95	10	115	194	254.5	12.5	155
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	194	272	12.5	155
φ 145	4-M8x20	≦ φ 24	68	φ 110	10	130	194	272	21.5	164	

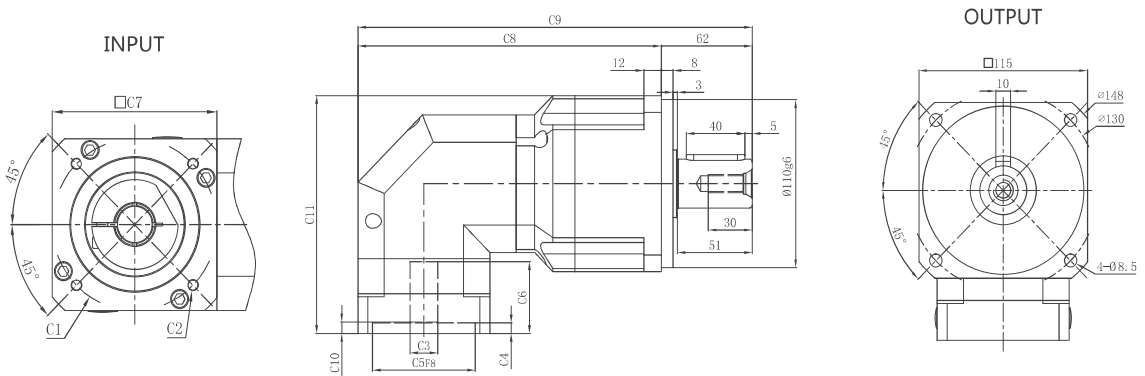
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR
SBX/SBXR
SDX/SDXR

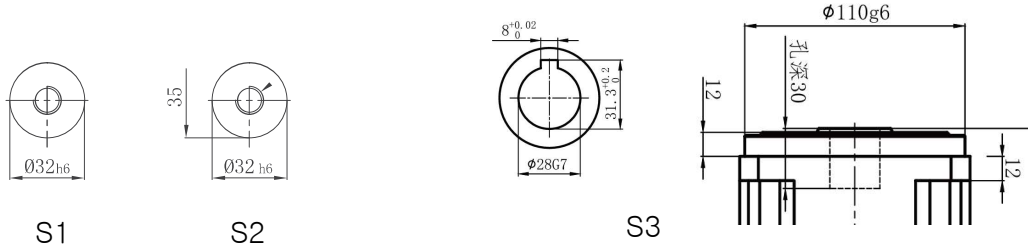
SBXR120-L1



SBXR120-L2



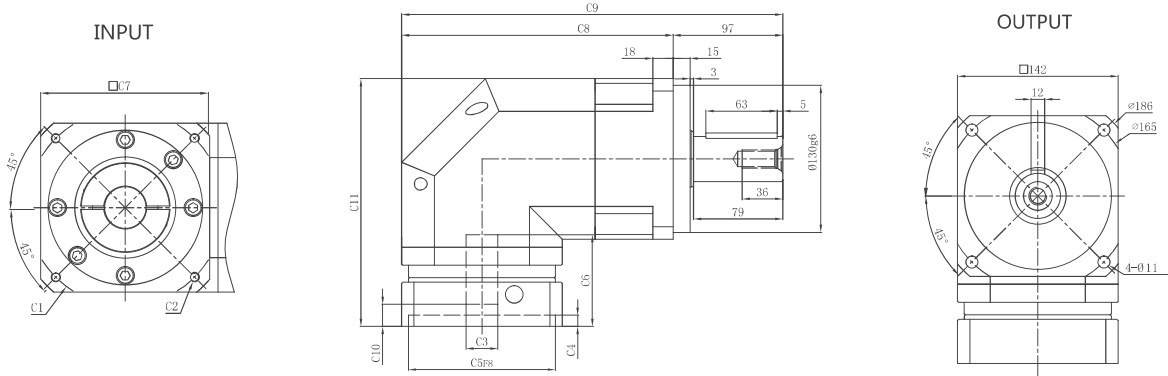
출력샤프트/Output Shaft



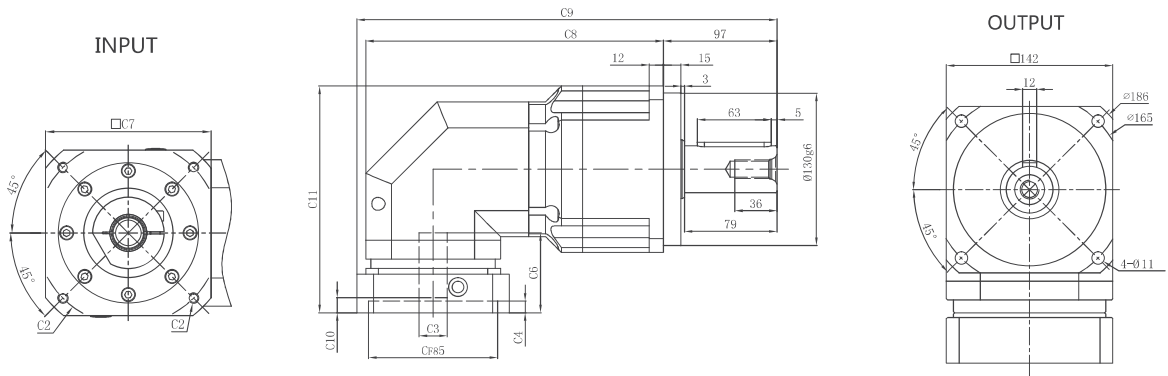
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR120-L1	$\varnothing 90$	4-M5x15,4-M6x15	$\leq \varnothing 19$	62	$\varnothing 70$	7	115	198	260	12	180
	$\varnothing 100$	4-M6x15	$\leq \varnothing 19$	62	$\varnothing 80$	7	115	198	260	12	180
	$\varnothing 115$	4-M8x20	$\leq \varnothing 24$	62	$\varnothing 95$	10	115	198	260	13	180
	$\varnothing 130$	4-M8x20	$\leq \varnothing 24$	62	$\varnothing 95$	10	115	198	260	13	180
	$\varnothing 132$	4-M8x20	$\leq \varnothing 24$	62	$\varnothing 95$	10	115	198	260	13	180
	$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	62	$\varnothing 110$	10	130	198	267.5	13	180
SBXR120-L2	$\varnothing 90$	4-M5x15,4-M6x15	$\leq \varnothing 19$	47	$\varnothing 70$	7	90	207	269	7.5	155.5
	$\varnothing 100$	4-M6x15	$\leq \varnothing 19$	47	$\varnothing 80$	7	90	207	269	7.5	155.5
	$\varnothing 115$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	100	207	274	12.5	167.5
	$\varnothing 130$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	115	207	281.5	12.5	167.5
	$\varnothing 132$	4-M8x20	$\leq \varnothing 24$	59	$\varnothing 95$	10	115	207	281.5	12.5	167.5
	$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	59.5	$\varnothing 110$	10	130	207	289	13	168
$\varnothing 145$	4-M8x20	$\leq \varnothing 24$	68	$\varnothing 110$	10	130	207	289	21.5	176.5	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

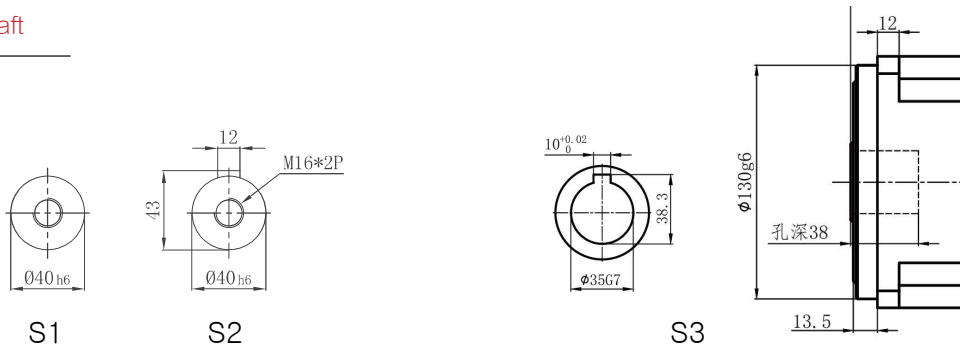
SBXR142-L1



SBXR142-L2



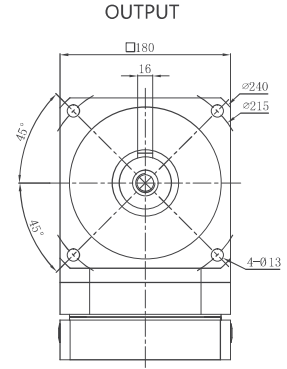
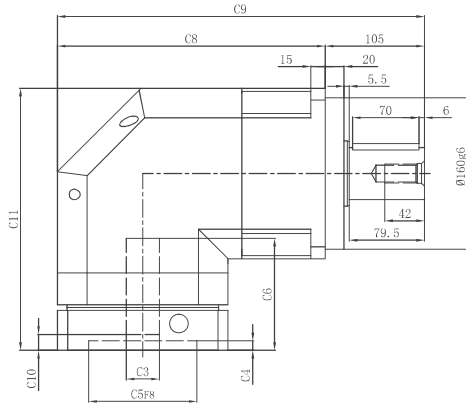
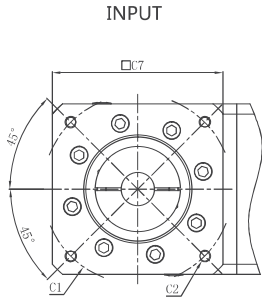
출력샤프트/Output Shaft



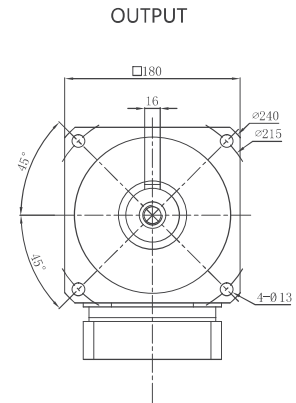
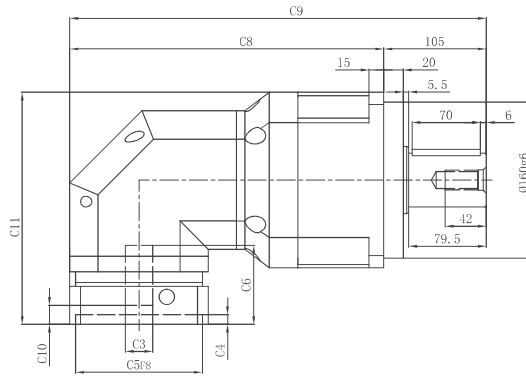
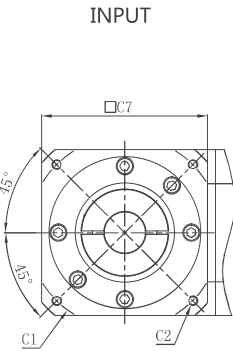
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR142-L1	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	240	337	19.5	219
	φ 145	4-M8x20	≦ φ 28	81	φ 110	10	142	240	337	19.5	219
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	180	240	337	19.5	219
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	240	356	21.5	221
	φ 200	4-M12x35	≦ φ 42	115	φ 114.3	8	180	240	356	53.5	253
	φ 215	4-M12x35	≦ φ 42	83	φ 180	8	190	240	361	21.5	221
SBXR142-L2	φ 130	4-M8x20	≦ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≦ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≦ φ 24	71	φ 110	10	130	254	358.5	22	202.5
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	254	364.5	19.5	219
	φ 200	4-M12x35	≦ φ 35	83	φ 114.3	8	180	254	383.5	21.5	211.5
	φ 200	4-M12x35	≦ φ 42	115	φ 114.3	8	180	254	383.5	53.5	243.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SBXR180-L1



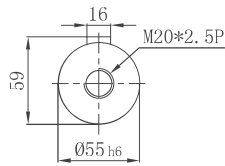
SBXR180-L2



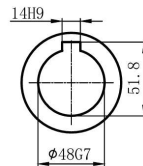
출력샤프트/Output Shaft



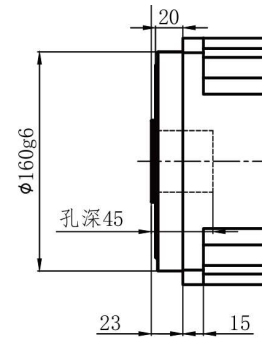
S1



S2



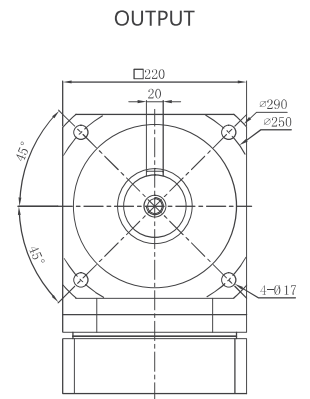
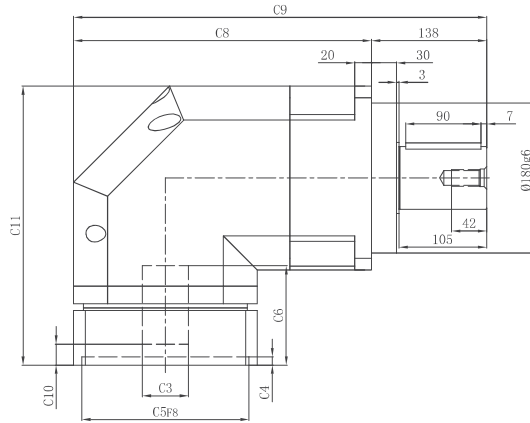
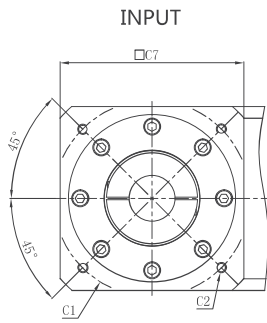
S3



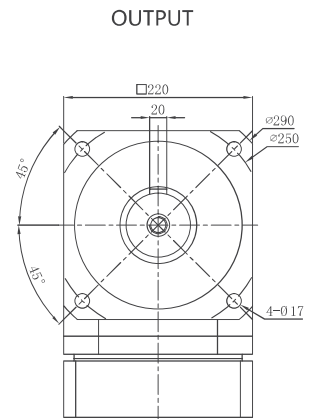
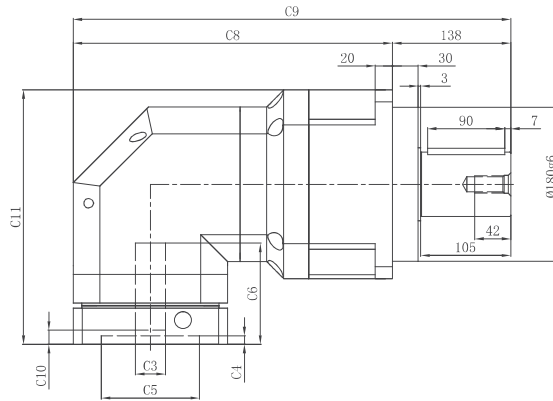
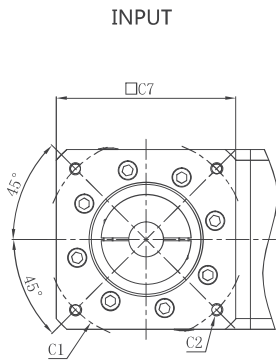
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR180-L1	φ 165	4-M10x25,4-M12x35	≦ φ 32	118	φ 130	10	180	282.5	387.5	16.5	276.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	282.5	387.5	16.5	276.5
	φ 215	4-M14x35	≦ φ 42	118	φ 180	10	190	287.5	392.5	16.5	276.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	150	φ 200	10	220	302.5	407.5	48.5	308.5
SBXR180-L2	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	322	427	19.5	238
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	341	446	21.5	240
	φ 200	4-M10x25,4-M12x35	≦ φ 42	115	φ 114.3	8	180	341	446	53.5	272
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	346	451	21.5	240

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

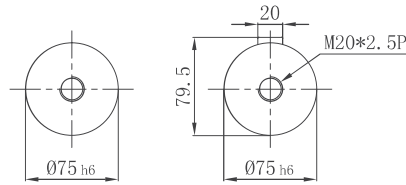
SBXR220-L1



SBXR220-L2



출력샤프트/Output Shaft



S1

S2

치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
SBXR220-L1	φ 200	4-M12x35	≦ φ 42	119	φ 114.3	10	220	356.5	494.5	25	334
	φ 215	4-M14x35	≦ φ 42	119	φ 180	10	220	356.5	494.5	25	334
	φ 235	4-M12x35,4-M14x35	≦ φ 55	119	φ 200	10	220	356.5	494.5	25	334
SBXR220-L2	φ 165	4-M10x25,4-M12x35	≦ φ 32	118	φ 130	10	180	372	510	16.5	296.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	372	510	16.5	296.5
	φ 215	4-M12x35,4-M14x35	≦ φ 42	118	φ 180	10	190	377	515	16.5	296.5
	φ 235	4-M12x35,4-M14x35	≦ φ 55	150	φ 200	10	220	392	530	48.5	328.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDX / SDXR series

고정밀도, 고강성, 고효율

High precision, high rigidity, high efficiency



고정밀도, 고효율, 고강성, 저소음



일체형의 2중지지 캐리어, 넓은 간격의 전후 베어링 설계를 통한 안정성 확보



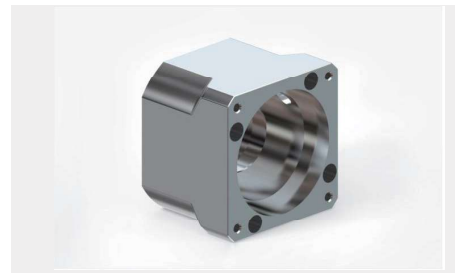
헬리컬기어 적용으로 높은 전달효율 및 강성 확보



SUN GEAR와 입력축을 일체형으로 설계 회전진동 감소, 정밀도 확보

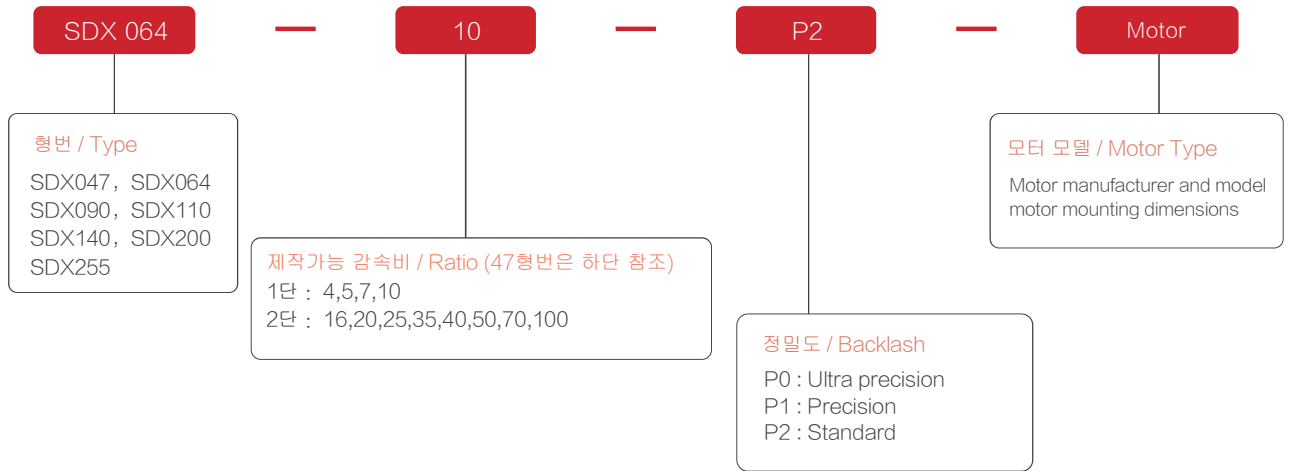


향상된 표면처리 기술을 통한 내마모성, 굽힘 및 부식방지

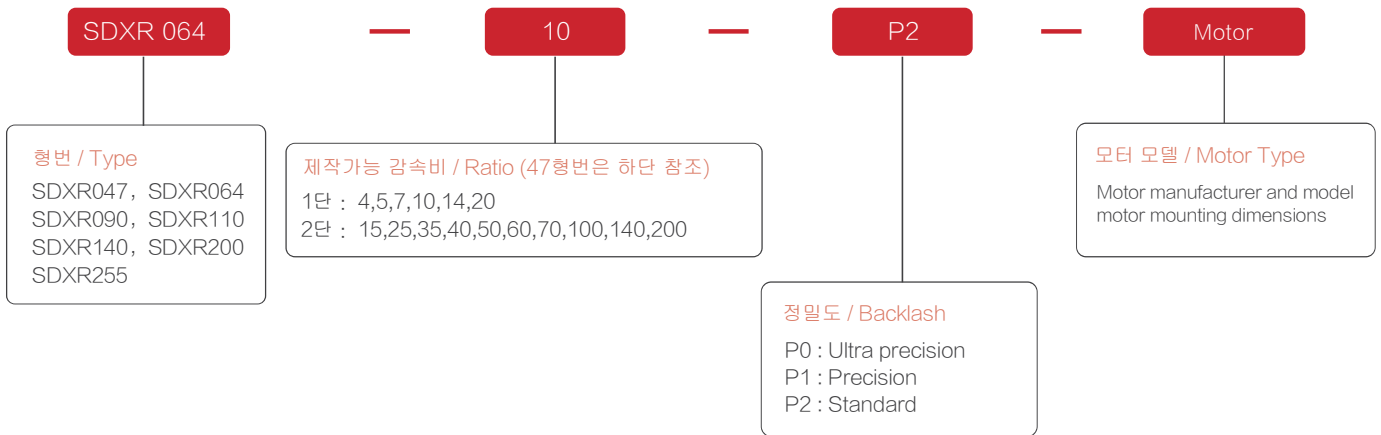


일체형 또는 분리형 플렌지 사용 다양한 모터에 대응 가능

품명 / Type Description

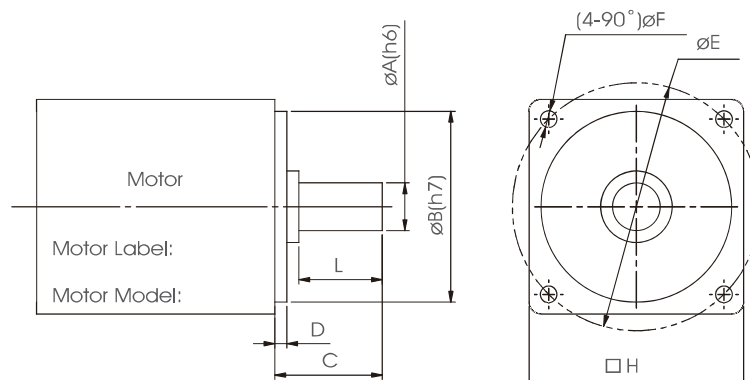


47각 1단 감속비 : 5,8,10
47각 2단 감속비 : 20,25,32,40,50,80,100



47각 1단 감속비 : 4,5,8,10
47각 2단 감속비 : 20,25,32,40,50,80,100

Motor Data

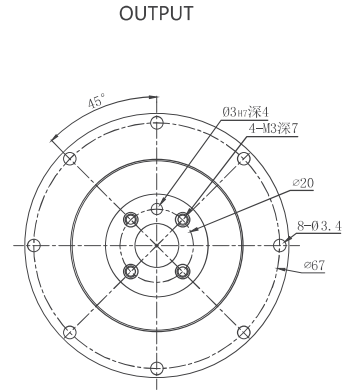
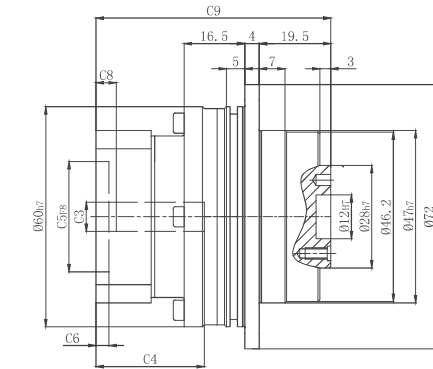
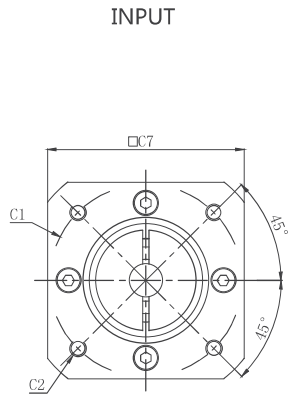


사양 Specifications	단위/Unit	단수/Stage	감속비/Ratio	SDX047	SDX064	SDX090	SDX110	SDX140	SDX200	SDX255	
정격출력 토크 T_{2N} Rated Output Torque *전체 감속비는 48페이지 참고	Nm	1	4	19	48	130	270	560	1050	1700	
			5	22	60	160	330	650	1200	2000	
			7	-	50	140	300	550	1100	1800	
			8	19	-	-	-	-	-	-	-
		2	10	14	40	100	230	450	900	1500	
			16	-	48	130	270	542	1050	1700	
			20	20	48	130	270	560	1050	1700	
			25	17	60	160	330	650	1200	2000	
			35	-	50	140	300	550	1100	1800	
			40	19	45	130	270	560	1020	1700	
			50	14	50	160	330	650	1200	2000	
			70	-	50	140	300	550	1100	1800	
		100	14	40	100	230	450	900	1500		
비상정지 토크 T_{2EOT} Emergency Stop Torque T_{2EOT}	Nm	1,2	4~100	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque							
정격입력 속도 n_{1N} Nominal Input Speed n_{1N}	rpm	1,2	4~100	3000	3000	3000	3000	3000	3000	2500	
최대입력 속도 n_{1max} Max.Input Speed n_{1max}	rpm	1,2	4~100	6000	6000	6000	6000	6000	6000	5000	
정밀도 : P0 Backlash : P0	Arcmin	1	4~10	-	≤1	≤1	≤1	≤1	≤1	≤1	
		2	16~100	-	≤3	≤3	≤3	≤3	≤3	≤3	
정밀도 : P1 Backlash : P1	Arcmin	1	4~10	≤5	≤3	≤3	≤3	≤3	≤3	≤3	
		2	16~100	≤7	≤5	≤5	≤5	≤5	≤5	≤5	
정밀도 : P2 Backlash : P2	Arcmin	1	4~10	≤7	≤5	≤5	≤5	≤5	≤5	≤5	
		2	16~100	≤9	≤7	≤7	≤7	≤7	≤7	≤7	
비틀림 정도/Torsional stiffness	Nm/Arcmin	1,2	4~100	3	4.5	14	25	50	145	225	
최대 축하중 F_{2AMax} Maximum Axial Force F_{2AMax}	N	1,2	4~100	990	1050	2850	2990	10590	30000	30000	
최대 레이디얼하중 F_{2RMMax} Maximum radial force F_{2RMMax}	N	1,2	4~100	43	125	235	430	1300	3100	5900	
효율 η /Work efficiency η	%	1	4~10	97	97	97	97	97	97	97	
		2	16~100	94	94	94	94	94	94	94	
사용수명/Service Life	h	1,2	4~100	20000							
소음수준/Noise L level	DB (A)	1,2	4~100	≤56	≤58	≤60	≤63	≤65	≤67	≤70	
중량/Weight	Kg	1	4~10	0.6	1.3	3.9	8.7	16	31	48	
		2	16~100	0.8	1.8	4.6	10	20	39	62	
설치방향/mounting Position	-	1,2	4~100	모든방향 / Any direction							
사용온도/Operating Temp	℃	1,2	4~100	-10℃ ~ +90℃							
윤활/Lubrication	-	1,2	4~100	합성 윤활 그리스 / Synthetic Lubricating Grease							
보호등급/Protection Class	-	1,2	4~100	IP65							

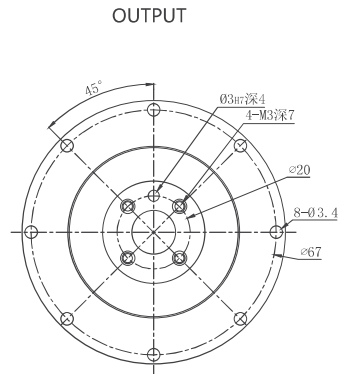
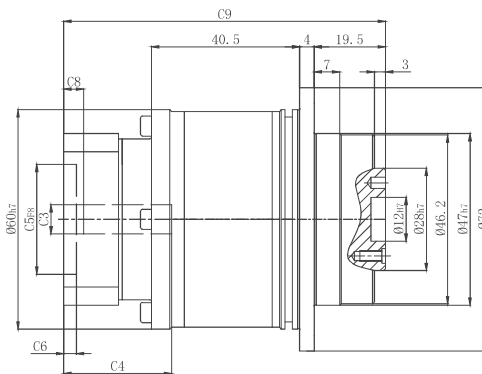
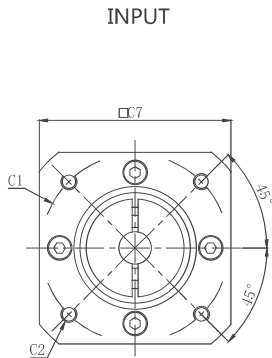
관성모멘트/Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SDX047	8	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
SDX064	11	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15
SDX090	19	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.23	0.21	0.2	0.18	0.18	0.18	0.16	0.16
SDX110	24	4.6	4.5	4	3.5	3	2.7	2.5	1.8	1.8	1.7	1.7	1.6	1.4	1.4	1.4
SDX140	35	25	24.5	24.1	23.5	23	22.5	22	12	11	10	10	9.5	9.5	9	9
SDX200	42	41	37	36	35	32	30	28	11.4	10.9	10.2	9.8	9.7	9.3	9.0	8.5
SDX255	55	95	77	75	68	65	60	55	28	27	26.5	25.5	24	23	21	19.5

SDX047-L1



SDX047-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX047-L1	φ45	4-M3x8	≤ φ8	27	φ30	3.5	43	4.5	64
	φ46	4-M4x10	≤ φ8	27	φ30	3.5	43	4.5	64
SDX047-L2	φ45	4-M3x8	≤ φ8	27	φ30	3.5	43	4.5	88
	φ46	4-M4x10	≤ φ8	27	φ30	3.5	43	4.5	88

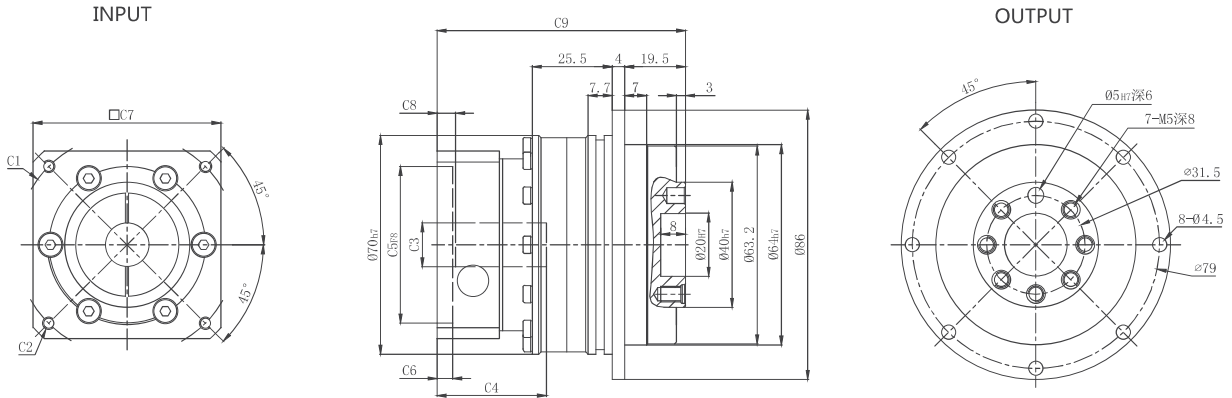
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

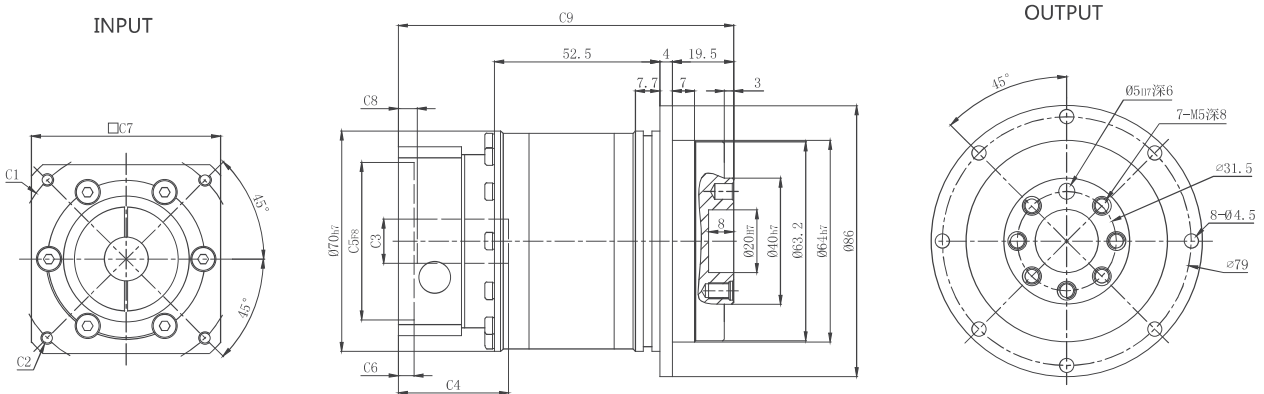
SBX/SBXR

SDX/SDXR

SDX064-L1



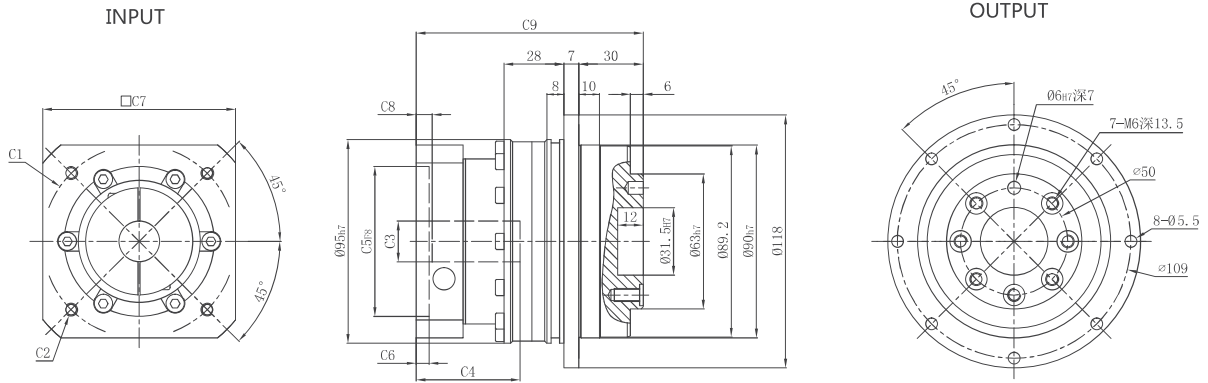
SDX064-L2



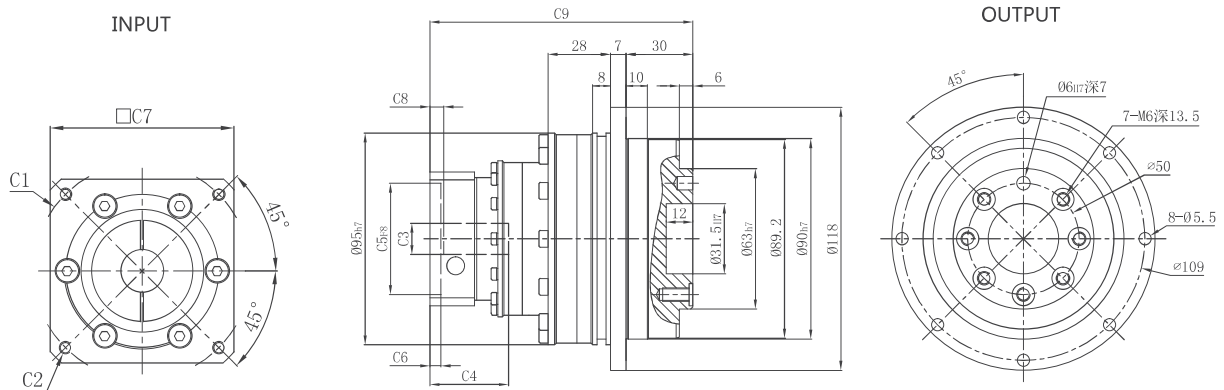
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX064-L1	φ46	4-M4x10	≦ φ8	35	φ30	5	60	5.5	79.5
	φ66.7	4-M4x10	≦ φ8	35	φ38.1	5	60	5.5	79.5
	φ70	4-M4x10, 4-M5x10	≦ φ14	35	φ50	5	60	5.5	79.5
	φ75	4-M4x10, 4-M5x10	≦ φ14	35	φ60	5	66	5.5	79.5
SDX064-L2	φ46	4-M4x10	≦ φ8	35	φ30	5	60	5.5	106.5
	φ66.7	4-M4x10	≦ φ8	35	φ38.1	5	60	5.5	106.5
	φ70	4-M4x10, 4-M5x10	≦ φ14	35	φ50	5	60	5.5	106.5
	φ75	4-M4x10, 4-M5x10	≦ φ14	35	φ60	5	66	5.5	106.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDX090-L1



SDX090-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX090-L1	φ 90	4-M5x15,4-M6x15	≦ φ 24	47	φ 70	6	90	7	106
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	47	φ 73	6	90	7	106
	φ 100	4-M6x15	≦ φ 24	47	φ 80	6	90	7	106
	φ 115	4-M6x20, 4-M8x20	≦ φ 24	59	φ 95	11	100	19	118
	φ 130	4-M8x20	≦ φ 24	59	φ 95	11	115	19	118
	φ 145	4-M8x20	≦ φ 24	59	φ 110	11	130	19	118
	φ 145	4-M8x20	≦ φ 24	70	φ 110	11	130	30	129
SDX090-L2	φ 70	4-M4x10,4-M5x10	≦ φ 14	35	φ 50	5	60	5.5	118
	φ 90	4-M5x15,4-M6x15	≦ φ 24	47	φ 70	6	90	7	139.5
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	47	φ 73	6	90	7	139.5
	φ 100	4-M6x15	≦ φ 24	47	φ 80	6	90	7	139.5
	φ 115	4-M6x20,4-M8x20	≦ φ 24	59	φ 95	11	100	19	151.5
	φ 130	4-M8x20	≦ φ 24	59	φ 95	11	115	19	151.5
	φ 145	4-M8x20	≦ φ 24	59	φ 110	11	130	19	151.5
φ 145	4-M8x20	≦ φ 24	70	φ 110	11	130	30	162.5	

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

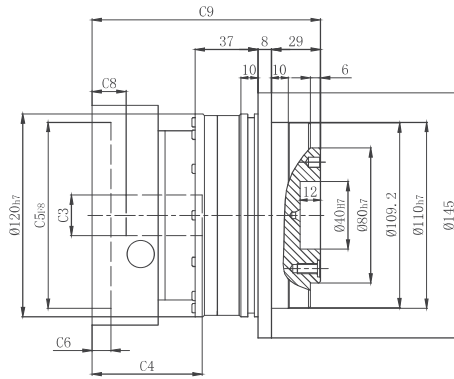
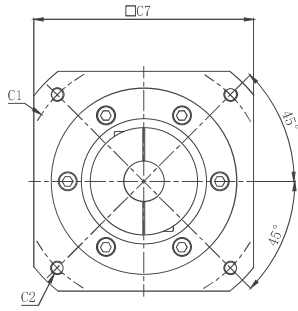
SB/SBR

SBX/SBXR

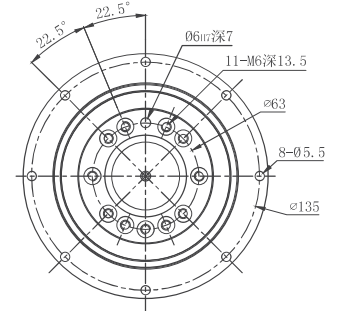
SDX/SDXR

SDX110-L1

INPUT

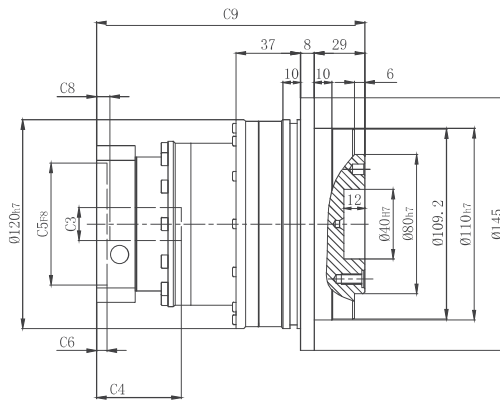
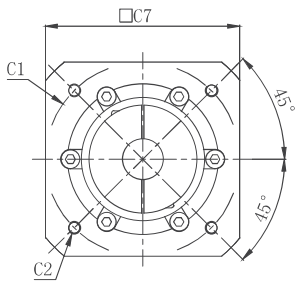


OUTPUT

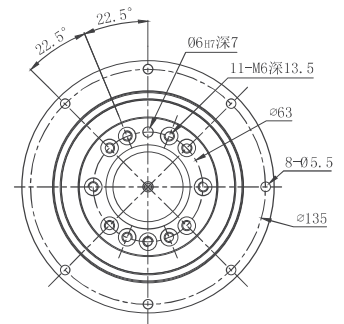


SDX110-L2

INPUT



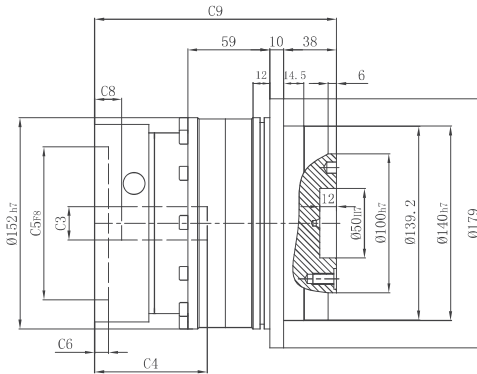
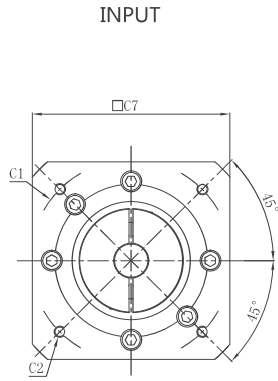
OUTPUT



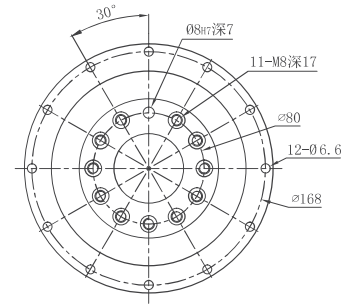
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX110-L1	φ 115	4-M6x20, 4-M8x20	≦ φ 24	61	φ 95	11	115	17	132
	φ 130	4-M8x20	≦ φ 24	61	φ 95	11	115	17	132
	φ 145	4-M8x20	≦ φ 24	64	φ 110	11	130	19	135
	φ 145	4-M8x20	≦ φ 24	71	φ 110	11	130	26	142
SDX110-L2	φ 90	4-M5x15, 4-M6x15	≦ φ 19	47	φ 70	6	90	7	154
	φ 115	4-M8x20	≦ φ 24	59	φ 95	11	115	19	166
	φ 130	4-M8x20	≦ φ 24	59	φ 95	11	115	19	166
	φ 145	4-M8x20	≦ φ 24	59	φ 110	11	130	19	166
	φ 145	4-M8x20	≦ φ 24	70	φ 110	11	130	30	177

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

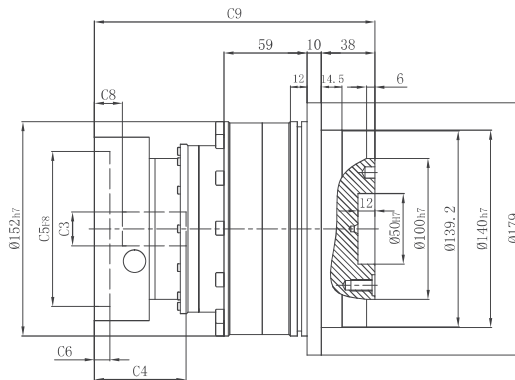
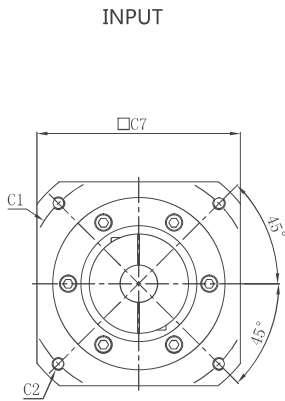
SDX140-L1



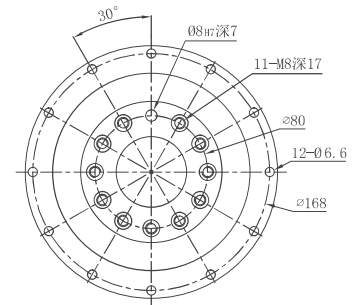
OUTPUT



SDX140-L2



OUTPUT



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX140-L1	$\phi 145$	4-M8x20	$\phi 24$	81	$\phi 110$	10	142	19.5	174
	$\phi 165$	4-M10x30	$\phi 28$	81	$\phi 130$	10	142	19.5	174
	$\phi 200$	4-M12x35	$\phi 42$	83	$\phi 114.3$	8	180	21.5	176
SDX140-L2	$\phi 145$	4-M8x25	$\phi 24$	65	$\phi 110$	11	142	20	199
	$\phi 165$	4-M10x30	$\phi 28$	65	$\phi 130$	10	142	20	199
	$\phi 200$	4-M12x35	$\phi 42$	83	$\phi 114.3$	8	180	21.5	239.5

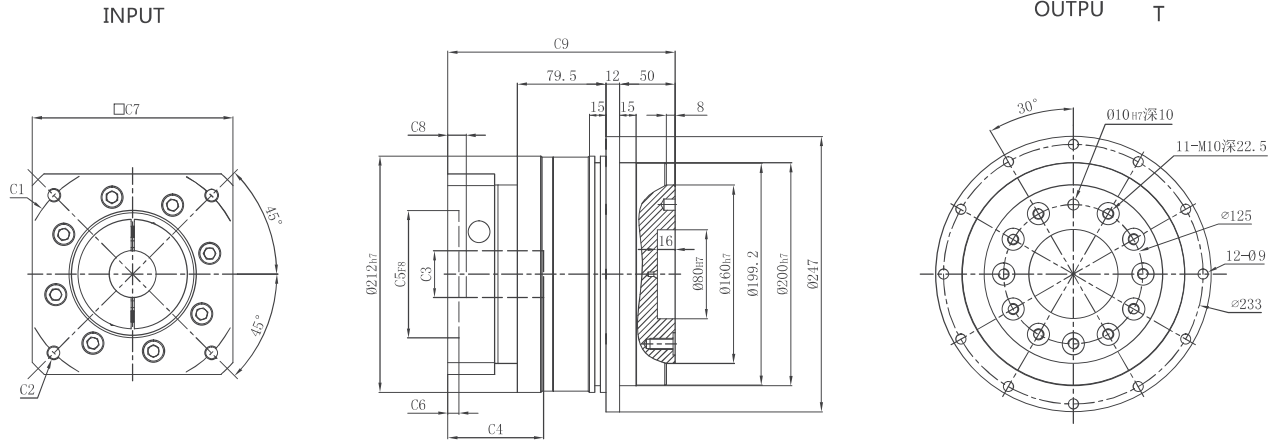
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

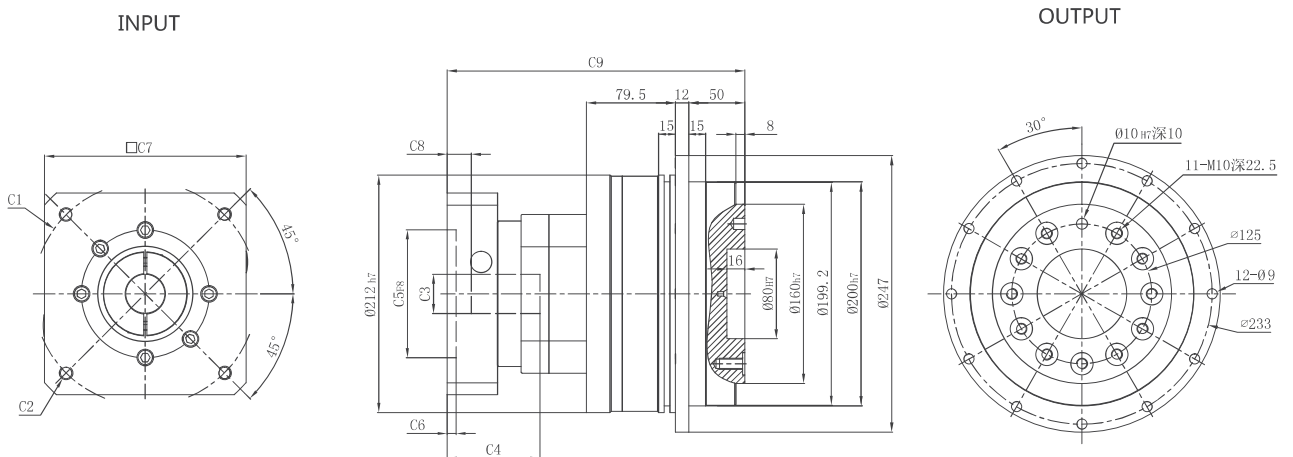
SBX/SBXR

SDX/SDXR

SDX200-L1



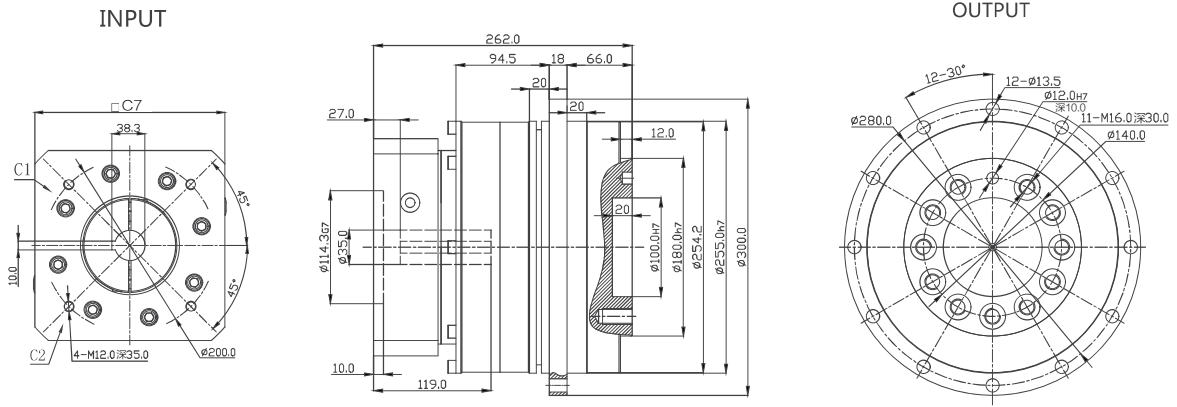
SDX200-L2



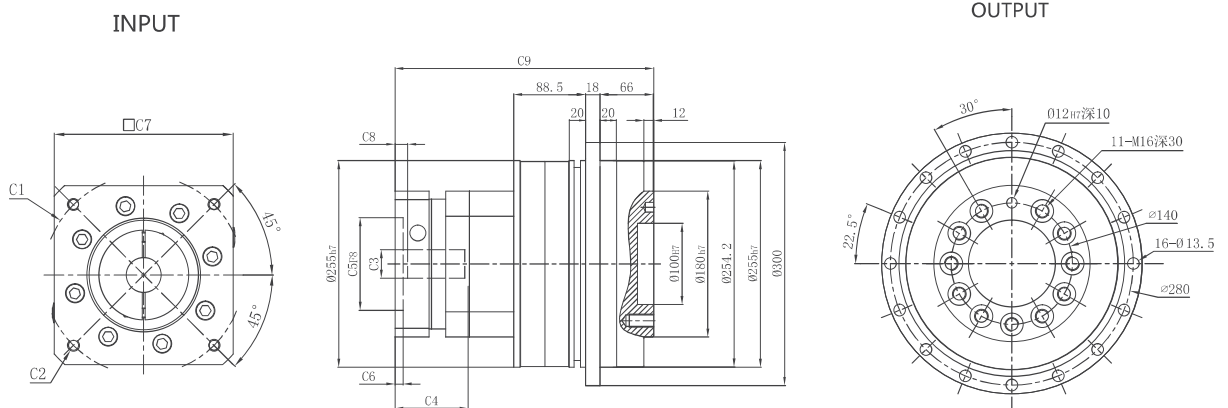
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX200-L1	φ 165	4-M10x25	≦ φ 32	86	φ 30	10	180	16.5	204
	φ 200	4-M12x35	≦ φ 42	86	φ 114.3	10	180	16.5	204
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	48.5	236
	φ 215	4-M12x35,4-M14x35	≦ φ 42	86	φ 180	10	190	16.5	204
	φ 235	4-M10x30,4-M14x35	≦ φ 55	118	φ 200	10	220	48.5	236
SDX200-L2	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	19.5	264
	φ 165	4-M10x30	≦ φ 28	81	φ 130	10	142	19.5	264
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	21.5	266
	φ 200	4-M12x35,4-M14x35	≦ φ 42	115	φ 114.3	8	180	53.5	298
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	21.5	266

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDX255-L1



SDX255-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9
SDX255-L1	φ200	4-M12x35	≦ φ42	119	φ114.3	10	220	27	262
	φ215	4-M14x35	≦ φ42	119	φ180	10	220	27	262
	φ235	4-M12x35,4-M14x35	≦ φ55	119	φ200	10	220	27	262
SDX255-L2	φ165	4-M10x25,4-M12x35	≦ φ32	118	φ130	10	180	16.5	319
	φ200	4-M12x35	≦ φ42	118	φ114.3	10	180	16.5	319
	φ215	4-M12x35,4-M14x35	≦ φ42	118	φ180	10	190	16.5	319
	φ235	4-M12x35,4-M14x35	≦ φ55	150	φ200	10	220	48.5	351

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

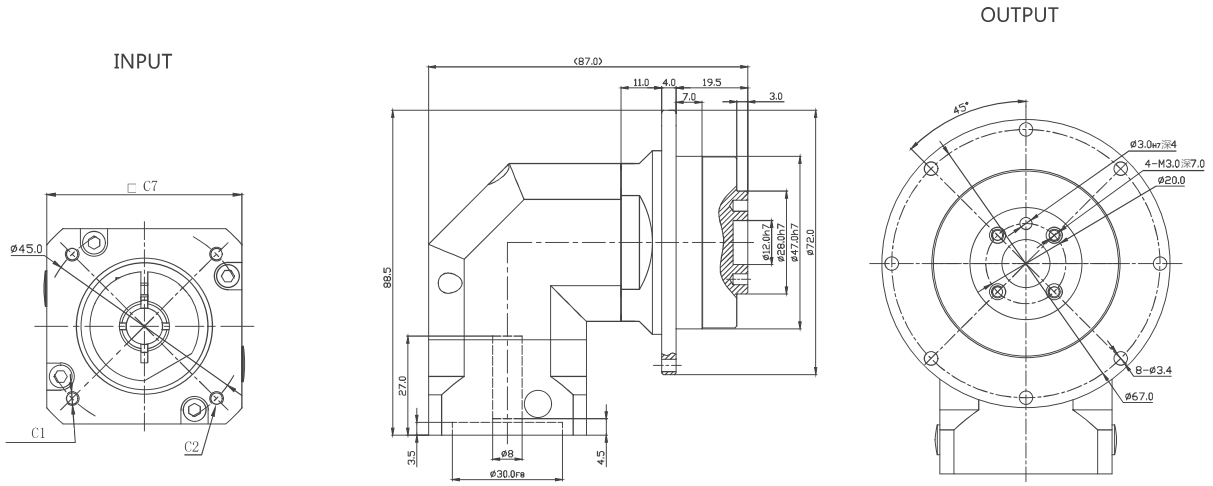
SBI/SBR
 SBX/SBXR
 SDX/SDXR

사양 Specifications	단위/Unit	단수/Stage	감속비/Ratio	SDXR047	SDXR064	SDXR090	SDXR110	SDXR140	SDXR200	SDXR255	
정격출력 토크 T_{2N} Rated Output Torque	Nm	1	4	19	48	130	270	560	1050	1700	
			5	22	60	160	330	650	1200	2000	
			7	-	50	140	300	550	1100	1800	
			8	19	-	-	-	-	-	-	-
			10	14	40	100	300	450	900	1500	
			14	-	45	132	280	540	990	1770	
			20	-	40	100	230	450	900	1500	
		*전체 감속비는 48페이지 참고	2	20	20	48	130	270	560	1050	1700
				25	22	60	160	330	650	1200	2000
				35	-	50	140	300	550	1100	1800
				40	22	45	130	270	560	1020	1700
				50	22	60	160	330	650	1200	2000
				70	-	50	140	300	550	1100	1800
				100	14	40	100	230	450	900	1500
140	-	45	132	280	540	990	1770				
200	-	38	100	230	450	900	1220				
비상정지 토크 T_{2EOT} Emergency Stop Torque T_{2EOT}	Nm	1,2	4~200	정격출력토크의 2.5배 / 2.5 Times of Nominal Output Torque							
정격입력 속도 n_{1N} Nominal Input Speed n_{1N}	rpm	1,2	4~200	3000	3000	3000	3000	3000	3000	2500	
최대입력 속도 n_{1max} Max.Input Speed n_{1max}	rpm	1,2	4~200	6000	6000	6000	6000	6000	6000	5000	
정밀도 : P0 Backlash : P0	Arcmin	1	4~20	-	-	≤2	≤2	≤2	≤2	≤2	
		2	15~200	-	-	≤4	≤4	≤4	≤4	≤4	
정밀도 : P1 Backlash : P1	Arcmin	1	4~20	≤7	≤4	≤4	≤4	≤4	≤4	≤4	
		2	15~200	≤9	≤7	≤7	≤7	≤7	≤7	≤7	
정밀도 : P2 Backlash : P2	Arcmin	1	4~20	≤10	≤7	≤7	≤7	≤7	≤7	≤7	
		2	15~200	≤12	≤9	≤9	≤9	≤9	≤9	≤9	
비틀림 강성 / Torsional stiffness	Nm/Arcmin	1,2	4~200	3	4.5	14	25	50	145	225	
최대 축하중 F_{2AMax} Maximum Axial Force F_{2AMax}	N	1,2	4~200	990	1050	2850	2990	10590	30000	30000	
최대 레이디얼하중 F_{2RMMax} Maximum radial force F_{2RMMax}	N	1,2	4~200	43	125	235	430	1300	3100	5900	
효율 η / Work efficiency η	%	1	4~20	95	95	95	95	95	95	95	
		2	15~200	92	92	92	92	92	92	92	
사용수명 / Service Life	h	1,2	4~200	20000							
소음수준 / Noise L level	DB (A)	1,2	4~200	≤61	≤63	≤65	≤68	≤70	≤72	≤74	
중량 / Weight	Kg	1	4~20	1.1	2.1	5.5	8.8	21	42	77	
		2	15~200	1.4	2.4	6	10	19	40	78	
설치방향 / mounting Position	-	1,2	4~200	모든방향 / Any direction							
사용온도 / Operating Temp	℃	1,2	4~200	-10℃ ~ +90℃							
윤활 / Lubrication	-	1,2	4~200	합성 윤활 그리스 / Synthetic Lubricating Grease							
보호등급 / Protection Class	-	1,2	4~200	IP65							

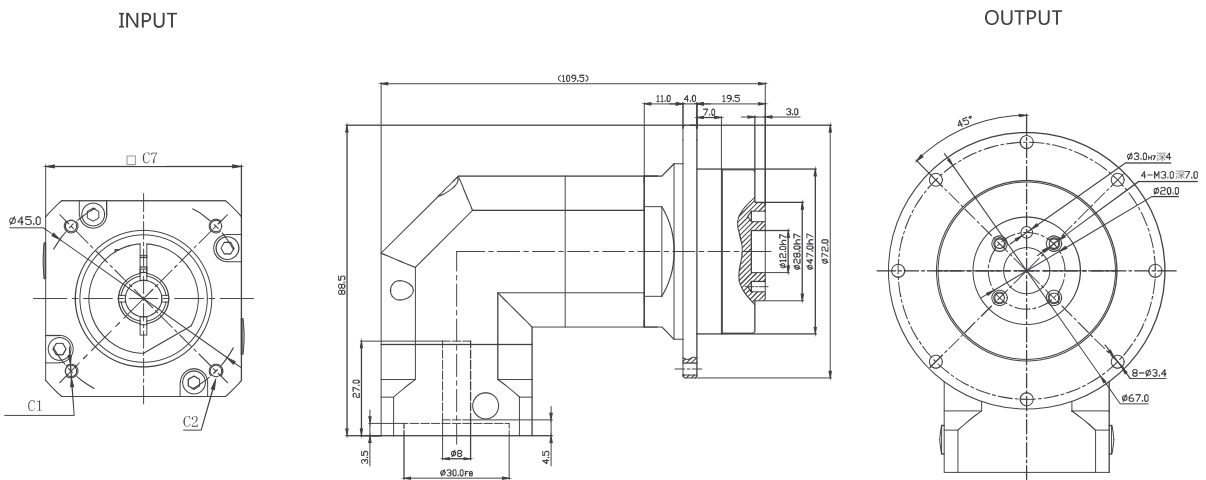
관성모멘트 / Moment of inertia of reducer (kg.cm², 입력축 직경 - 감속비)

SDXR047	8	0.06	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
SDXR064	11	0.2	0.2	0.15	0.13	0.12	0.1	0.1	0.1	0.08	0.1	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
	14	0.25	0.25	0.22	0.18	0.17	0.15	0.14	0.14	0.12	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.15
SDXR090	19	2.1	2	2	1.8	1.7	1.5	1.5	1.4	1.3	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5
SDXR110	22	5.6	4.5	4	3.5	3	2.7	2.5	2.3	2.1	1.8	1.8	1.7	1.7	1.6	1.4	1.4	1.4	1.4
SDXR140	35	25	24.5	24.1	23.5	23	22.5	22	22	20	12	11	10	10	9.5	9.5	9	9	9
SDXR200	42	70	68	65	55	52	45	40	40	35	6	5.5	14	14	13	12	10.8	9.5	9.5
SDXR255	55	90	77	75	68	65	60	55	54	50	28	27	26.5	25.5	24	23	21	19.5	19.5

SDXR047-L1



SDXR047-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR047-L1	$\phi 45$	4-M3x8	$\phi 8$	27	$\phi 30$	3.5	43	4.5	96	89
	$\phi 46$	4-M4x10	$\phi 8$	27	$\phi 30$	3.5	43	4.5	96	89
SDXR047-L2	$\phi 45$	4-M3x8	$\phi 8$	27	$\phi 30$	3.5	43	4.5	120	89
	$\phi 46$	4-M4x10	$\phi 8$	27	$\phi 30$	3.5	43	4.5	120	89

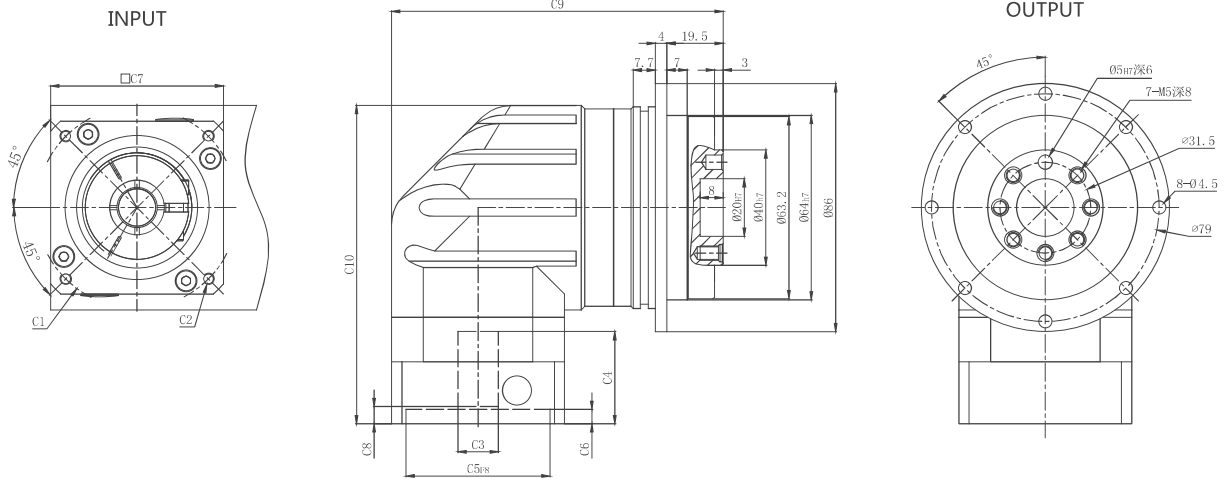
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

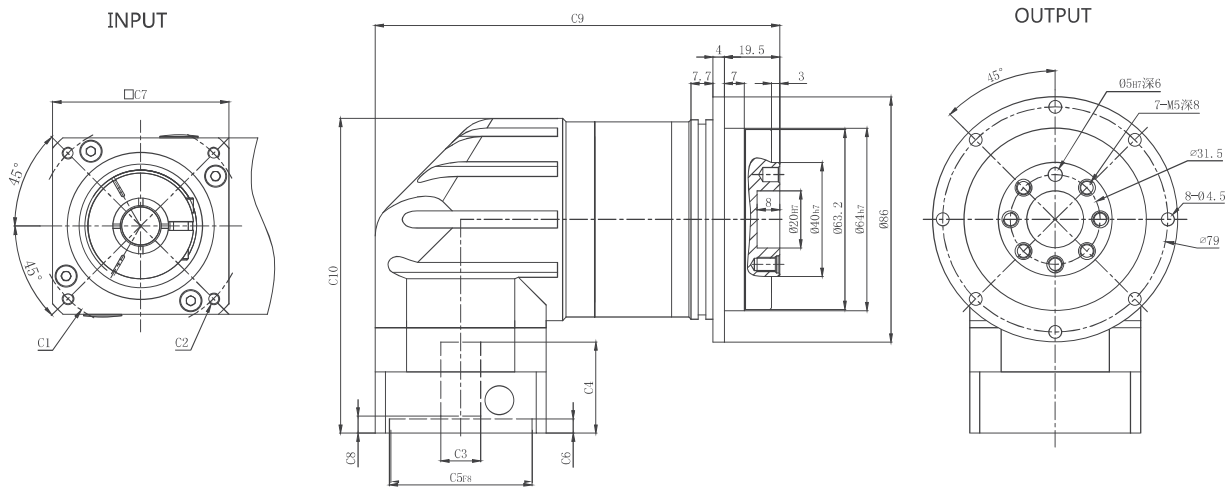
SBX/SBXR

SDX/SDXR

SDXR064-L1



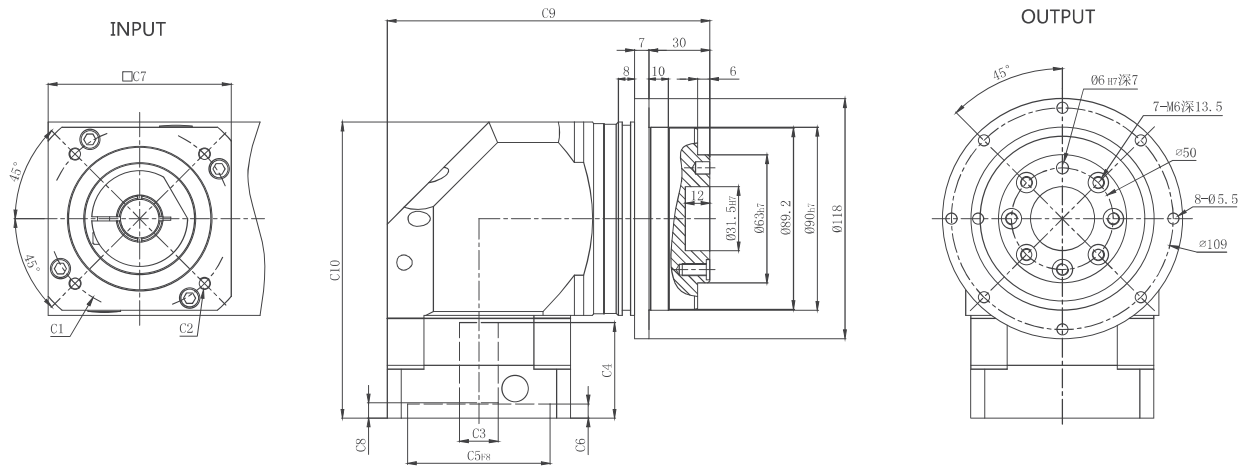
SDXR064-L2



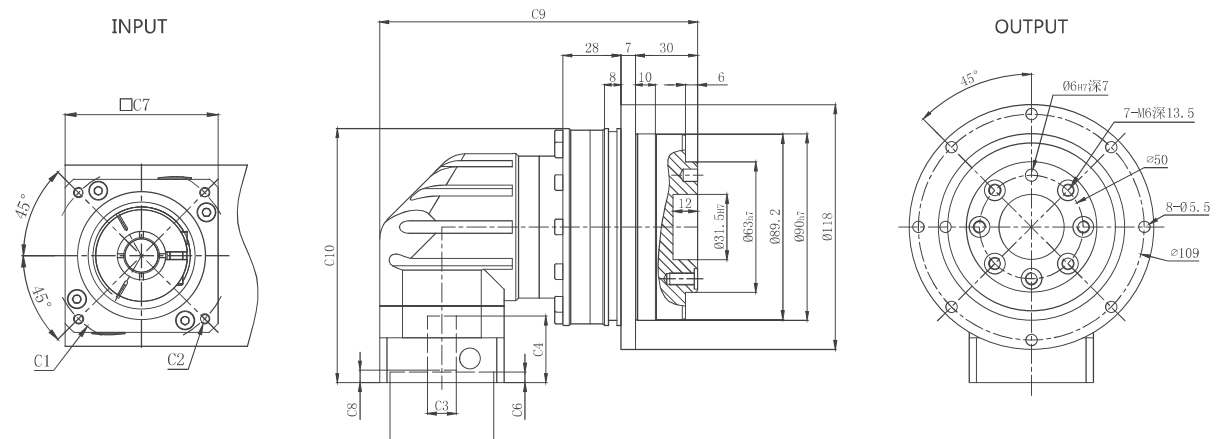
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR064-L1	φ 46	4-M4x12,4-M5x12	≦ φ 8	37.5	φ 30	10.5	60	11.5	115	116
	φ 66.7	4-M4x12	≦ φ 8	32	φ 38.1	5	60	6	115	110.5
	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	6	115	110.5
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	6	118	110.5
SDXR064-L2	φ 46	4-M4x12,4-M5x12	≦ φ 8	37.5	φ 30	10.5	60	11.5	142	116
	φ 66.7	4-M4x12	≦ φ 8	32	φ 38.1	5	60	6	142	110.5
	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	6	142	110.5
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	6	145	110.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDXR090-L1



SDXR090-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR090-L1	φ 70	4-M4x10,4-M5x12	≦ φ 14	47	φ 50	4	90	6.5	158.5	145.5
	φ 75	4-M4x12,4-M5x12	≦ φ 14	47	φ 60	5.5	90	6.5	158.5	145.5
	φ 90	4-M5x15,4-M6x15	≦ φ 19	47	φ 70	7	90	7.5	158.5	145.5
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	47.5	φ 73	7	90	7.5	158.5	145.5
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	12.5	158.5	145.5
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	100	12.5	163.5	157.5
	φ 130	4-M8x20	≦ φ 24	59	φ 95	10	115	12.5	171	157.5
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	12.5	178.5	157.5
SDXR090-L2	φ 70	4-M4x10,4-M5x12	≦ φ 14	32	φ 50	5	60	6	153.5	122.5
	φ 75	4-M4x12,4-M5x12	≦ φ 14	32	φ 60	5	66	6	156.5	122.5
	φ 90	4-M5x15,4-M6x15	≦ φ 19	47	φ 70	7	90	7.5	192	145.5
	φ 98.4	4-M5x15,4-M6x15	≦ φ 14	47.5	φ 73	7	90	7.5	192	145.5
	φ 100	4-M6x15	≦ φ 19	47.5	φ 80	7	90	12.5	192	145.5
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	100	12.5	197	157.5
	φ 130	4-M8x20	≦ φ 24	59	φ 95	10	115	12.5	204.5	157.5
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	12.5	212	157.5
φ 145	4-M8x20	≦ φ 24	68	φ 110	10	130	21.5	212	166.5	

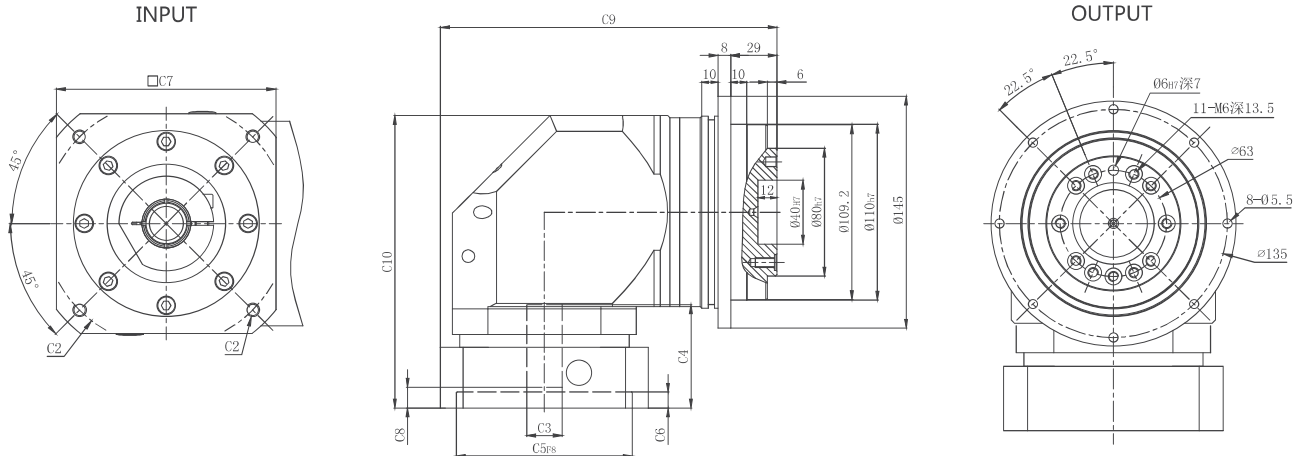
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SB/SBR

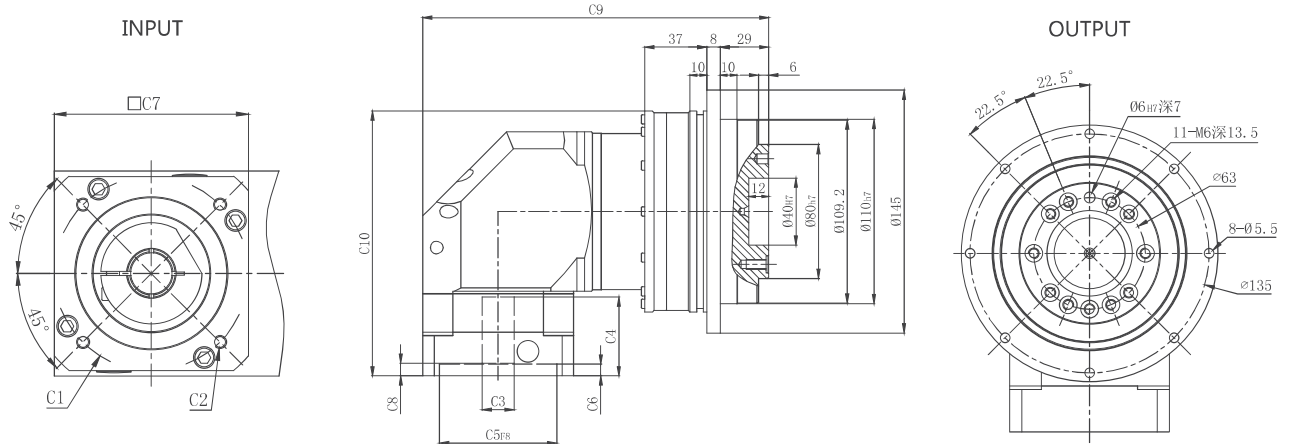
SBX/SBXR

SDX/SDXR

SDXR110-L1



SDXR110-L2

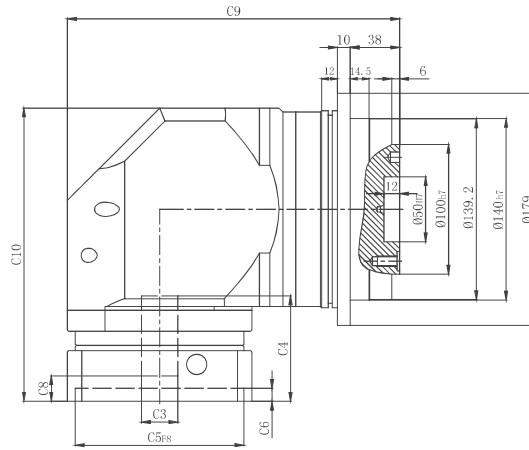
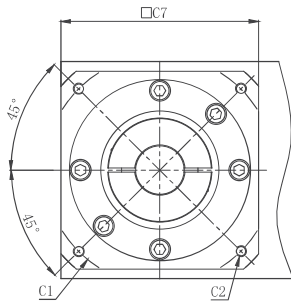


치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR110-L1	φ 90	4-M5x15,4-M6x15	≦ φ 19	62	φ 70	7	115	12	200	183
	φ 100	4-M6x15	≦ φ 19	62	φ 80	7	115	12	200	183
	φ 115	4-M8x20	≦ φ 24	62	φ 95	10	115	13	200	183
	φ 145	4-M8x20	≦ φ 24	62	φ 110	10	130	13	207.5	183
	φ 145	4-M8x20	≦ φ 24	71	φ 110	10	130	13	207.5	192
SDXR110-L2	φ 90	4-M5x15,4-M6x15	≦ φ 19	47	φ 70	7	90	7.5	206.5	158
	φ 100	4-M6x15	≦ φ 19	47	φ 80	7	90	7.5	206.5	158
	φ 115	4-M8x20	≦ φ 24	59	φ 95	10	115	12.5	219	170
	φ 145	4-M8x20	≦ φ 24	59	φ 110	10	130	12.5	226.5	170
	φ 145	4-M8x20	≦ φ 24	68	φ 110	10	130	21.5	226.5	179

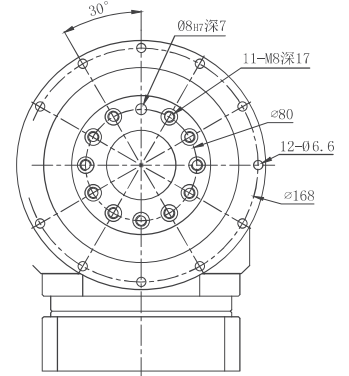
*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDXR140-L1

INPUT

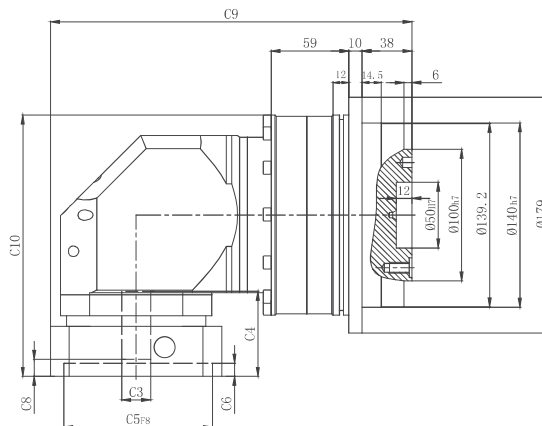
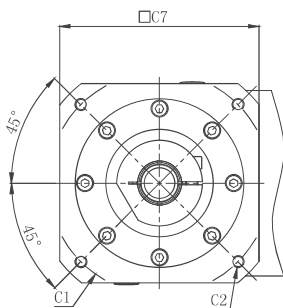


OUTPUT

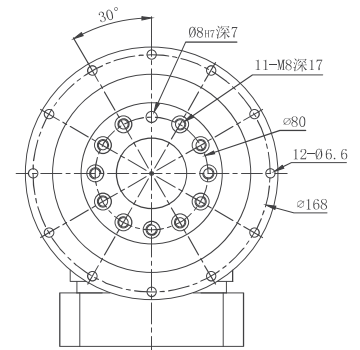


SDXR140-L2

INPUT



OUTPUT



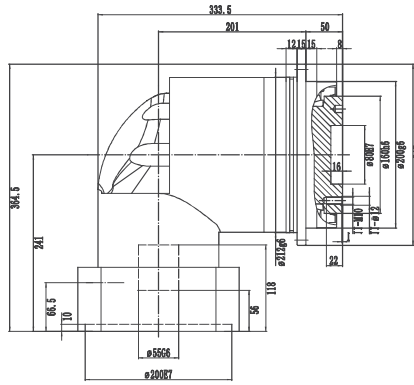
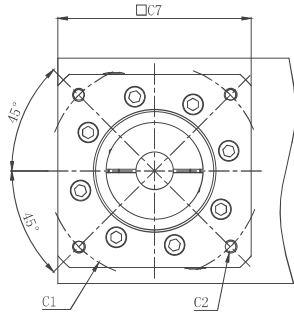
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR140-L1	φ 145	4-M8x20	φ 28	81	φ 110	10	142	19.5	256	226
	φ 165	4-M10x25,4-M12x35	φ 32	81	φ 130	10	142	19.5	256	226
	φ 200	4-M12x35	φ 42	83	φ 114.3	8	180	21.5	275	228
SDXR140-L2	φ 200	4-M12x35	φ 42	115	φ 114.3	8	180	53.5	275	260
	φ 145	4-M8x25	φ 24	62	φ 110	10	142	13	271.5	198.5
	φ 165	4-M10x30	φ 28	62	φ 130	10	142	13	271.5	198.5

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

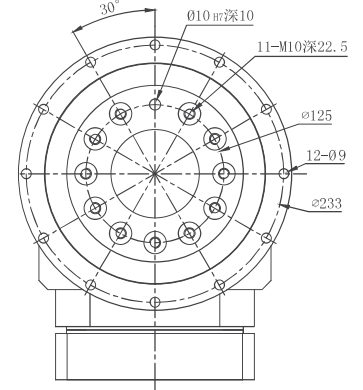
SB/SBR
SBX/SBXR
SDX/SDXR

SDXR200-L1

INPUT

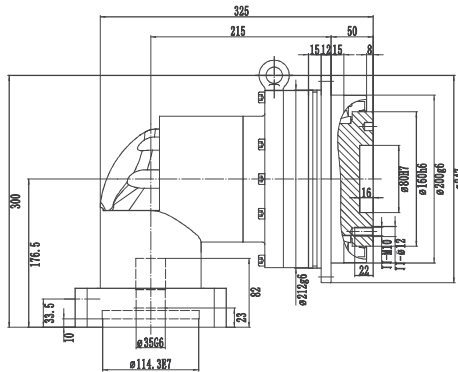
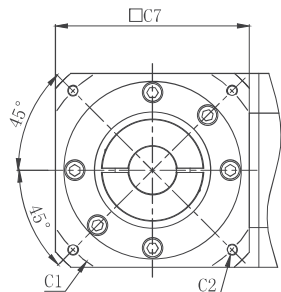


OUTPUT

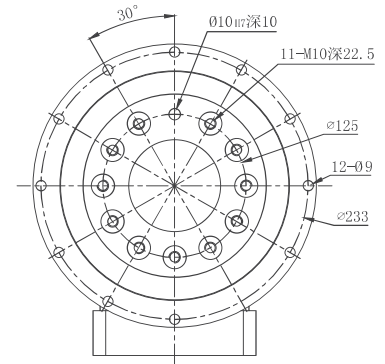


SDXR200-L2

INPUT



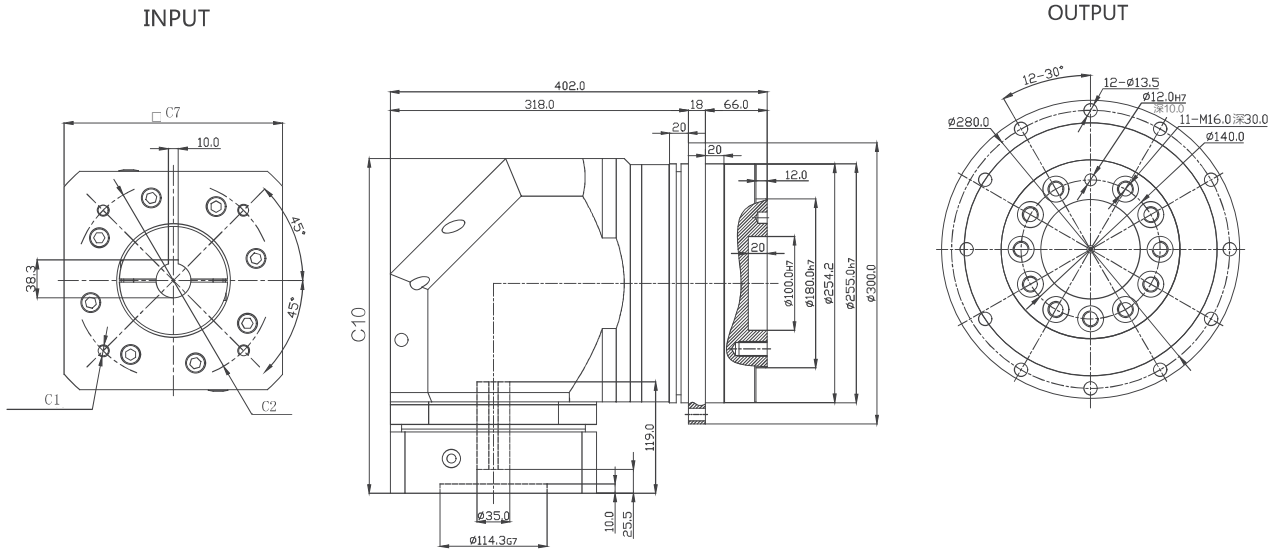
OUTPUT



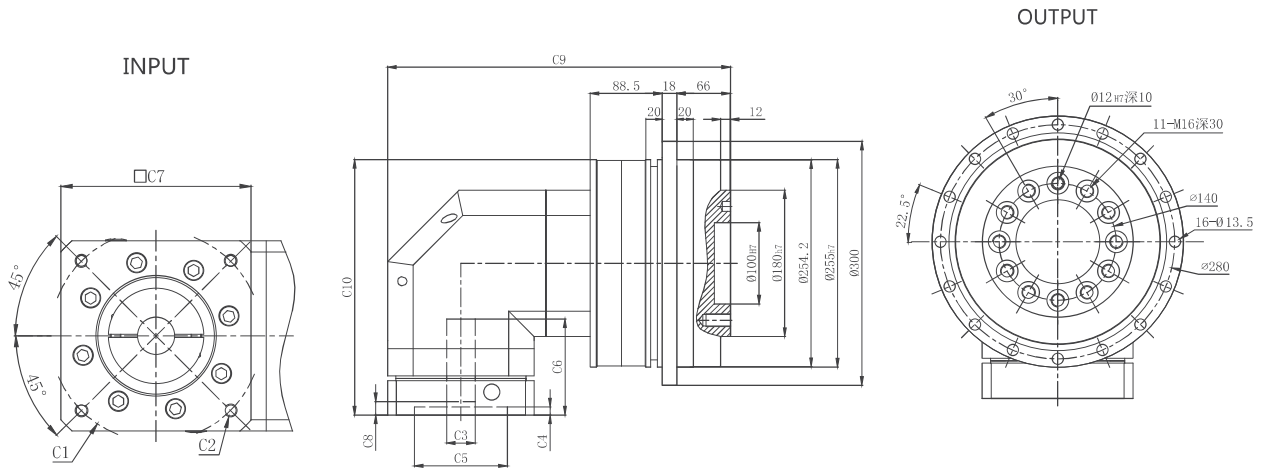
치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR200-L1	φ 165	4-M10x25,4-M12x35	≦ φ 32	118	φ 130	10	180	16.5	306.5	291.5
	φ 200	4-M12x35	≦ φ 42	118	φ 114.3	10	180	16.5	306.5	291.5
	φ 215	4-M14x35	≦ φ 42	118	φ 180	10	190	16.5	311.5	291.5
	φ 235	4-M10x30,4-M14x35	≦ φ 55	150	φ 200	10	220	48.5	326.5	323.5
	φ 130	4-M8x20	≦ φ 24	81	φ 110	10	142	19.5	346	254
SDXR200-L2	φ 145	4-M8x20	≦ φ 24	81	φ 110	10	142	19.5	346	254
	φ 165	4-M10x25,4-M12x35	≦ φ 32	81	φ 130	10	142	19.5	346	254
	φ 200	4-M12x35	≦ φ 42	83	φ 114.3	8	180	21.5	365	256
	φ 200	4-M10x25,4-M12x35	≦ φ 42	115	φ 114.3	8	180	53.5	365	288
	φ 215	4-M14x35	≦ φ 42	83	φ 180	8	190	21.5	370	256

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.

SDXR255-L1

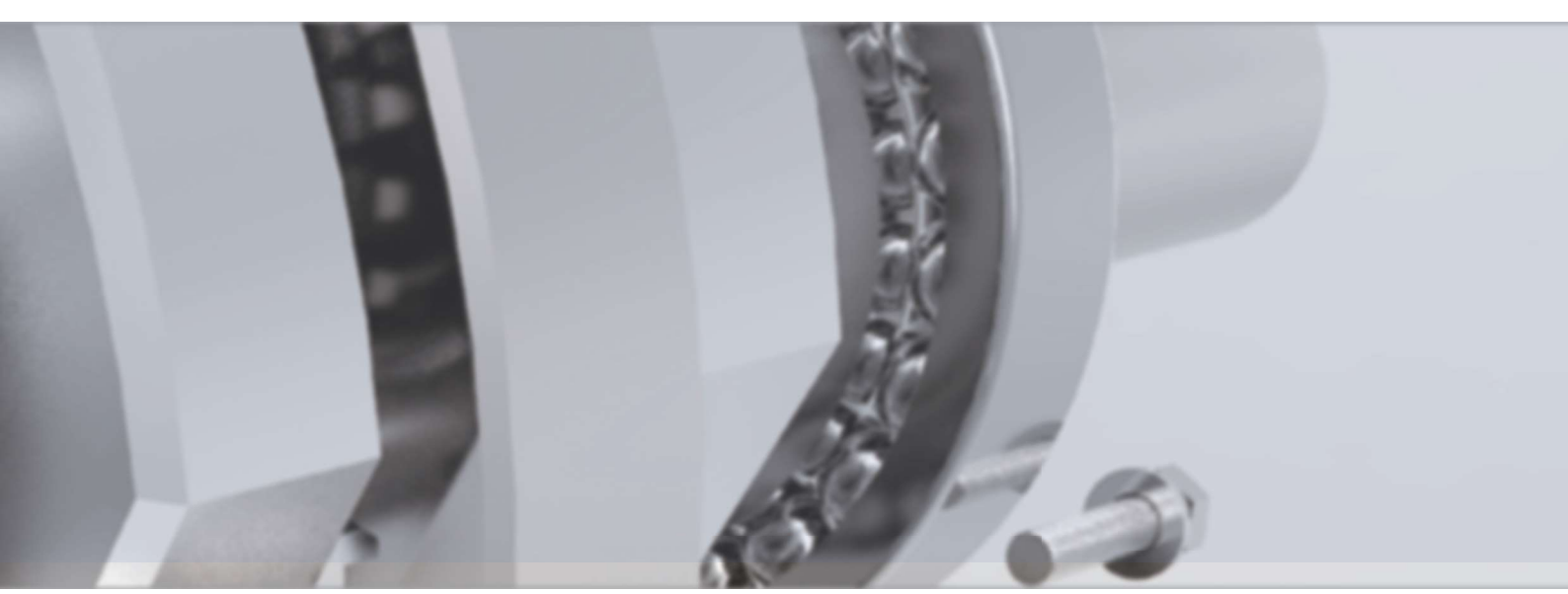


SDXR 255-L2



치수	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
SDXR255-L1	φ 200	4-M12x35	119	119	φ 114.3	10	220	27	403	353.5
	φ 215	4-M14x35	119	119	φ 180	10	220	27	403	353.5
	φ 235	4-M12x35,4-M14x35	119	119	φ 200	10	220	27	403	353.5
SDXR255-L2	φ 165	4-M10x25,4-M12x35	118	118	φ 130	10	180	16.5	421.5	314
	φ 200	4-M12x35	118	118	φ 114.3	10	180	16.5	421.5	314
	φ 215	4-M12x35,4-M14x35	118	118	φ 180	10	190	16.5	426.5	314
	φ 235	4-M12x35,4-M14x35	150	150	φ 200	10	220	48.5	441.5	346

*상기 치수는 일반사양이며, 모터 치수에 따라 맞춤 제작이 가능합니다.



제품의 품질보증

1. 보증 기간

제품 공급일로 부터 1년, 또는 2만시간 (선 도래 기준)을 무상 보증 기간으로 합니다.

2. 보증 범위

(1) 보증 범위는 당사 제품에 한정합니다.

(2) 보증 기간 이내에 정상적인 설치, 연결, 사용을 하였음에도 제품이 정상적인 기능을 하지 못하는 경우에 한하여 무상으로 수리 또는 교환해 드립니다.

단, 무상 보증 기간 이내라도 아래와 같은 경우에는 유상으로 처리 됩니다.

3. 보증 범위 (유상)

(1) 고객의 설치 또는 장치와의 연결에 의한 실수나 부적합에 기인하는 고장

(2) 부적합한 보관이나 취급, 부주의 및 과실에 의한 고장

(3) 임의로 개조, 수리에 의한 고장

(4) 당사 제품의 사양 범위를 초과하여 사용

(5) 화재, 천재지변에 의한 고장

(6) 제품 출하시의 과학기술 수준에서 예견할 수 없었던 사유에 의한 고장

(7) 그 외, 당사 책임 외의 경우, 고객이 당사 책임 외로 인정하는 고장

본 카탈로그에 기재된 제품의 사양은 성능개선을 위해 변경될 수 있습니다.

제품의 선정 및 기술문의는 본사 또는 대리점으로 문의해 주십시오.



다운메카트로닉스 주식회사 (본사, 공급원)

인천광역시 부평구 주부토로 236, 인천테크노밸리 U1센터, AS동 402호

TEL : 070.7622.4845 FAX : 070.7614.3875

E-MAIL : ace@ace-gear.co.kr

www.ace-gear.co.kr