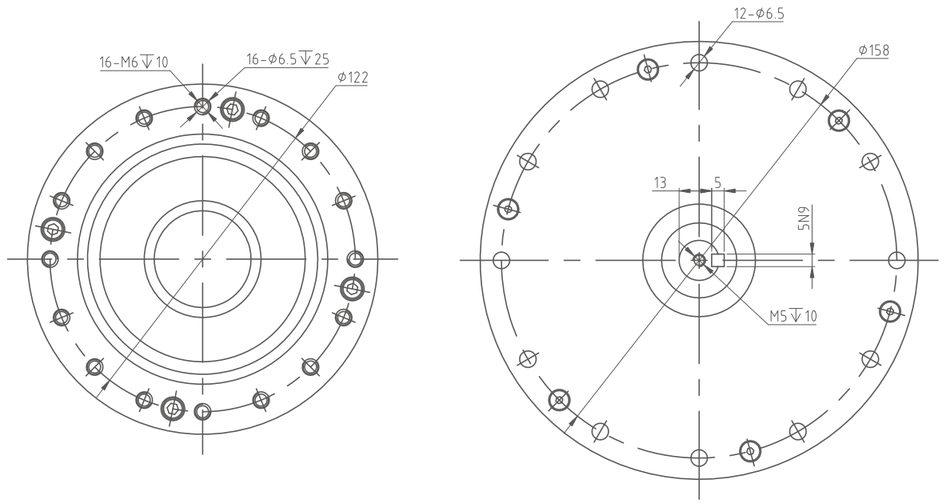
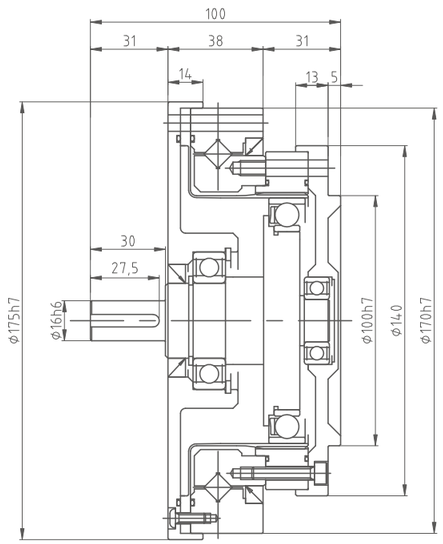
SG-40-XX-U-IV

40型谐波减速器 40 harmonic reducer

结构图 STRUCTURE CHART





SD SERIES

低噪音 Low noise　大扭力 Large torque

高精度 High-precision

耐磨耐用 Wear resistance and durability

使用寿命长 Long service life

SD系列谐波减速器

SD series harmonic reducer



SERIES INTRODUCTION
系列介绍

SD 系列 Series

SD系列柔轮为翻边型超短筒结构，既可采用刚轮端固定，柔轮端输出的连接方式使用;也可采用柔轮端固定，刚轮端输出的连接方式使用。

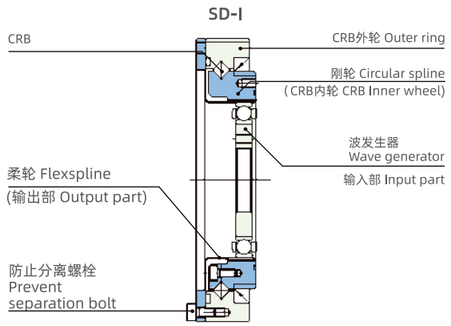
SD series flexspline with flanaing ultra short tube structure. Which can be used when circular spline fixed, and the flexspline as end output, It can also used to fix the flexspline, and the circular spline as end output.

应用领域 Application

- 工业机器人 Industrial robots
- 人型机器人 Humanoid robots
- FPD制造设备 FPD manufacturing equipment
- 宇宙用设备 Space equipment
- 半导体制造设备 Semiconductor manufacturing equipment



SD系列组合型结构
Combinative structure of SD series



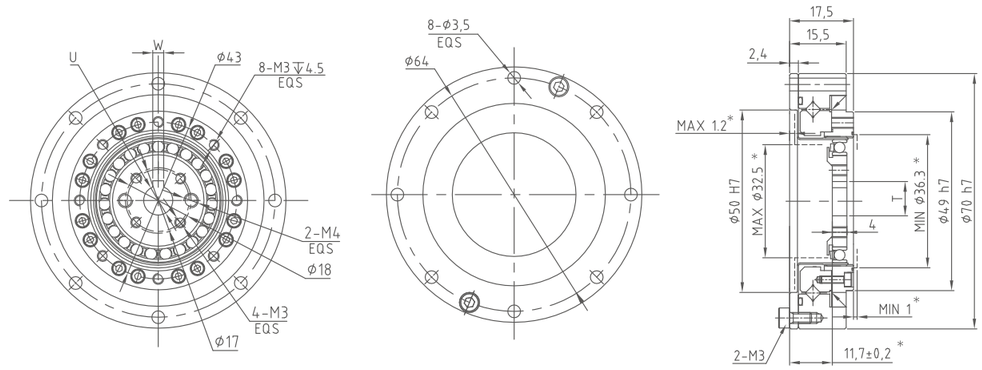
SD额定参数表 Rated parameter table of SD series

型号 Model	速比 Reduction ratio	输入2000r/min时的额定转矩 Rated torque at 2000r/min input	起动停止时的容许峰值转矩 Permissible peak torque at start and stop	平均负载转矩的容许最大值 Permissible maximum value for average load torque	瞬间容许最大转矩 Permissible maximum momentary torque	容许最高输入转速（脂润滑） Permissible maximum input rotational speed (Grease)	容许平均输入转速（脂润滑） Permissible average input rotational speed (Greaae)	背隙 Backlash	设计寿命 Desian life
		Nm	Nm	Nm	Nm	r/min	r/min	Arc Sec	Hour
14	50	3.7	12	4.8	23	8500	3500	≤20	9000
	80	5.1	15	6.2	29				10000
	100	5.4	19	7.7	35				10000
17	50	11	23	18	48	7300	3500	≤20	9000
	80	14	29	21	54				10000
	100	16	37	27	71				10000
20	50	17	39	24	69	6500	3500	≤20	9000
	80	23	49	28	78				10000
	100	28	57	34	95				10000

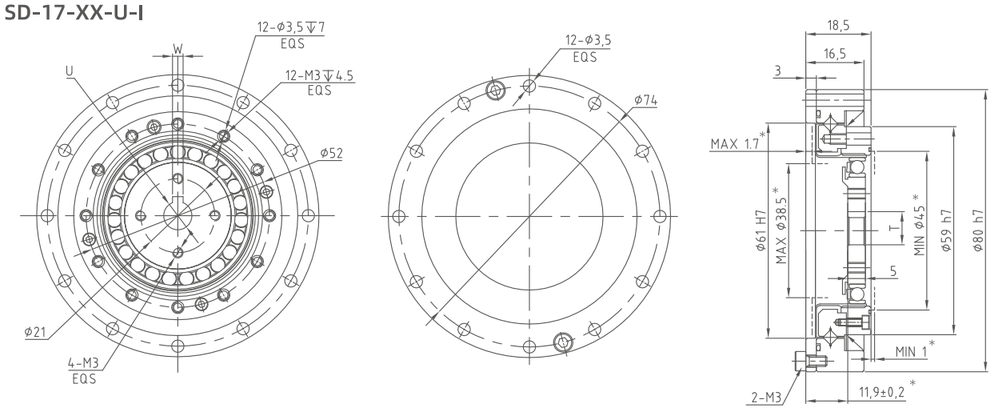
SD-I

结构图 STRUCTURE CHART

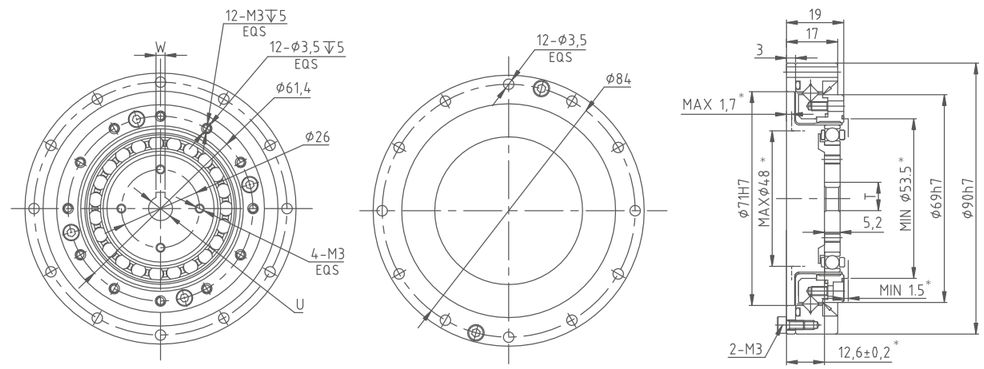
SD-14-XX-U-I



SD-17-XX-U-I



SD-20-XX-U-I



YT SERIES

YT系列谐波减速器
YT series harmonic reducer

低噪音 Low noise
大扭力 Large torque
高精度 High-precision
耐磨耐用 Wear resistance and durability
使用寿命长 Long service life



SERIES INTRODUCTION
系列介绍

YT 系列Series

YT系列是根据市场化需求而研发的小型化产品， YT系列相比转矩容量相同的 CS系列，更为紧凑，薄壁结构，在不改变性能的状态下，追求小型号，并把“小而美”发挥的淋漓尽致。

This miniaturized product was developed according to the marketing demand. Compare with CS series that with the same torque capacity, YT series is more compact and thin-walled, smaller size.

高刚性，直接与伺服电机匹配

High rigidity, directly matched to servo motors

应用领域 Application

- 工业机器人 Industrial robots
- 服务机器人 Service robots
- 医疗器械设备 Medical Devices
- 自动化及特种设备 Automation and special equipment

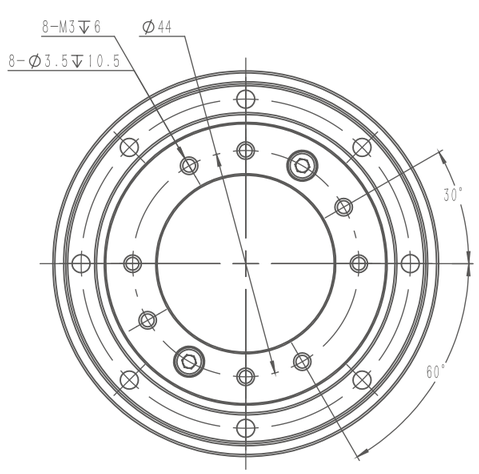
YT额定参数表 Rated parameter table of YT series

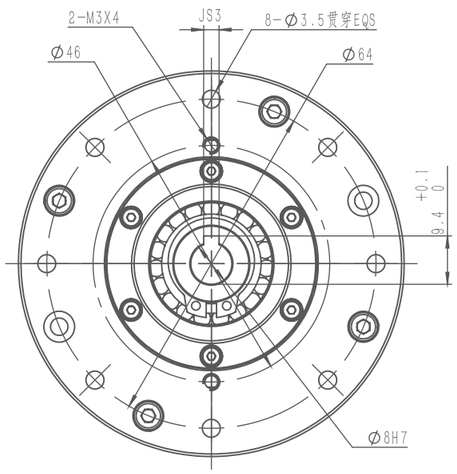
型号 Model	速比 Reduction ratio	输入2000r/min时的额定转矩 Rated torque at 2000r/min input		起动停止时的容许峰值转矩 Permissible peak torque at start and stop		平均负载转矩的容许最大值 Permissible maximum value for average load torque		瞬间容许最大转矩 Permissible maximum momentary torque		容许最高输入转速（脂润滑） Permissible maximum input rotational speed (Grease)	容许平均输入转速（脂润滑） Permissible average input rotational speed (Greaae)	背隙 Backlash	设计寿命 Design life
		Nm	kgfm	Nm	kgfm	Nm	kgfm	Nm	kgfm	r/min	r/min	Arc Sec	Hour
14	31	4.0	0.41	9.0	0.92	6.8	0.69	17	1.7	8500	3500	≤20	10000
	51	5.4	0.55	18	1.8	6.9	0.70	35	3.6				10000
	81	7.8	0.80	23	2.4	11	1.1	47	4.8				15000
	101	7.8	0.80	28	2.9	11	1.1	54	5.5				15000
	121	7.8	0.80	28	2.9	11	1.1	54	5.5				15000
17	31	8.8	0.90	16	1.6	12	1.2	30	3.1	7300	3500	≤20	10000
	51	16	1.6	34	3.5	26	2.6	70	7.1				10000
	81	22	2.2	43	4.4	27	2.7	87	8.9				15000
	101	24	2.4	54	5.5	39	4.0	110	11				15000
	121	24	2.4	54	5.5	39	4.0	86	8.8				15000
20	31	15	1.5	27	2.8	20	2.0	50	5.1	6500	3500	≤20	10000
	51	25	2.5	56	5.7	34	3.5	98	10				10000
	81	34	3.5	74	7.5	47	4.8	127	13				15000
	101	40	4.1	82	8.4	49	5.0	147	15				15000
	121	40	4.1	87	8.9	49	5.0	147	15				15000
	161	40	4.1	92	9.4	49	5.0	147	15				15000
25	31	27	2.8	50	5.1	38	3.9	95	9.7	5600	3500	≤20	10000
	51	39	4.0	98	10	55	5.6	186	19				10000
	81	63	6.4	137	14	87	8.9	255	26				15000
	101	67	6.8	157	16	108	11	284	29				15000
	121	67	6.8	167	17	108	11	304	31				15000
32	31	54	5.5	100	10	75	7.7	200	20	4800	3500	≤20	10000
	51	76	7.8	216	22	108	11	382	39				10000
	81	118	12	304	31	167	17	568	58				15000
	101	137	14	333	34	216	22	647	66				15000
	121	137	14	353	36	216	22	686	70				15000
40	51	137	14	402	41	196	20	686	70	4000	3000	≤20	10000
	81	206	21	519	53	284	29	980	100				15000
	101	265	27	568	58	372	38	1080	110				15000
	121	294	30	617	63	451	46	1180	120				15000

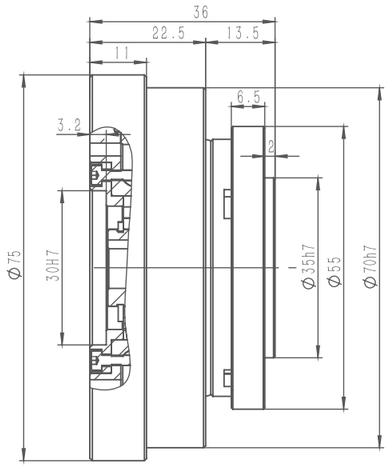
YT-14-XX-U-I

结构图 STRUCTURE CHART

帽型14谐波一体机 Hat type 14-Integratives structure harmonic drive



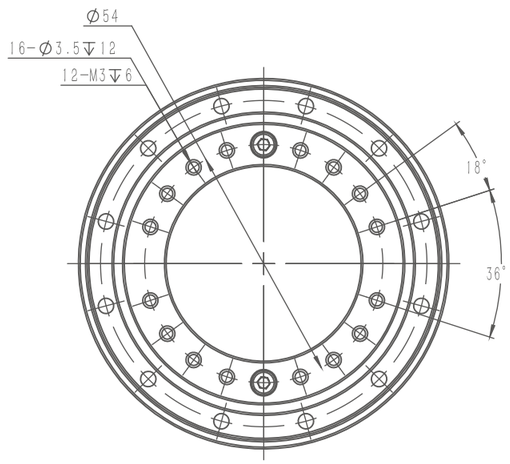


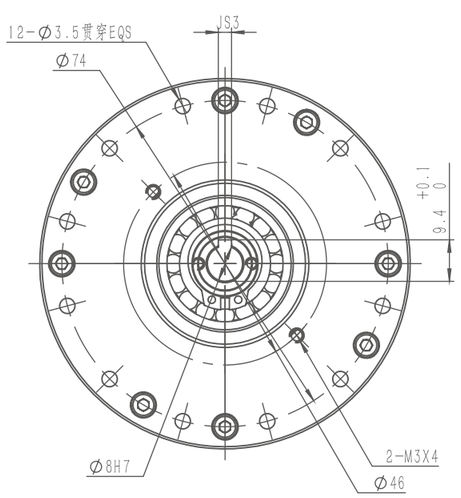


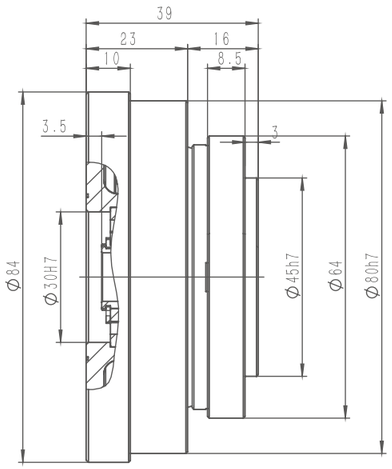
YT-17-XX-U-I

结构图 STRUCTURE CHART

帽型17谐波一体机 Hat type 17-Integratives structure harmonic drive



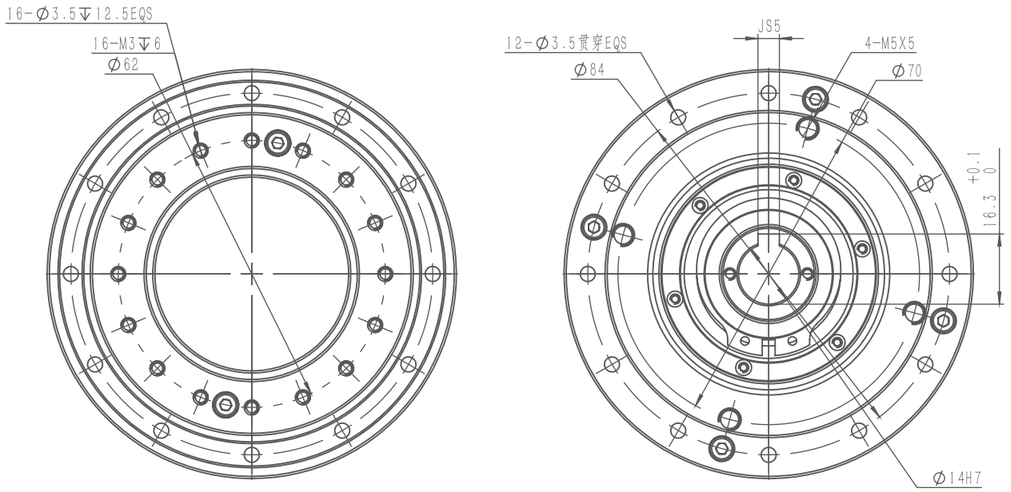


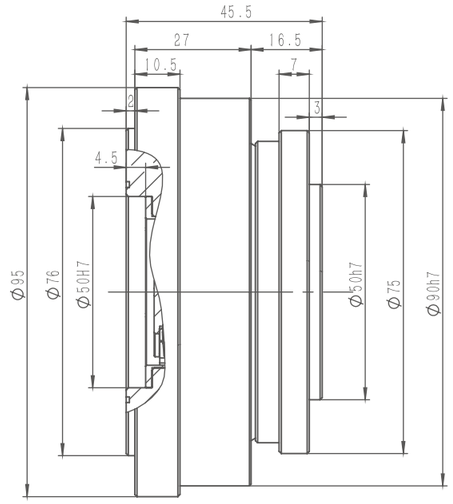


YT-20-XX-U-I

结构图 STRUCTURE CHART

帽型20谐波一体机 Hat type 20-Integratives structure harmonic drive





YT-25-XX-U-I

结构图 STRUCTURE CHART

帽型25谐波一体机 Hat type 25-Integratives structure harmonic drive

