

球传动轮毂减速器

SAGX系列

SAGX SERIES
BALL DRIVE HUB REDUCER

简述

Brief description

SAGX系列是我公司在精密行星钢球减速器基础上为AGV小车专门开发的球传动轮毂减速器。分为SAGX-BS和SAGX-DL系列。SAGX-BS应用于差速驱动，SAGX-DL应用于舵轮驱动。

SAGX Series is the wheel hub reducer we specially develop for AGV based on the precision planetary ball reducer.

主要特点

Main Features

该产品静音、高效。同时又具有行星钢球减速器特有的回差小、高精度，更便于AGV小车的运行轨迹控制。输出旋转方式为外壳回转，可与行走胶轮完美匹配。可以匹配BLDC电机，或PMSM伺服电机等，亦可与其他适合的回转动力源匹配。

The main features of this product are low noise and high efficiency. It also includes features of minimum backlash and high precision, the common characters for planetary ball reducer. It is more beneficial to trajectory control for AGV equipment. SAGX reducer output joint function is the unit motion shell. This can be perfectly integrated with the driven wheel with the high possible efficiency. The Reducer can be integrated with BLDC motor or PMSM servomotor, etc. It is also suitable for coupling with Rotary Power Source.

产品专利

Product Patent

该系列产品已申请了国家专利。

注册号：202010232557.3; 202020429303.6

Patent application for the design of this Series of innovative product has been submitted.

Registration No.: 202010232557.3; 202020429303.6

SLM (WUXI)
TECHNOLOGY

参数总览

Parameter overview

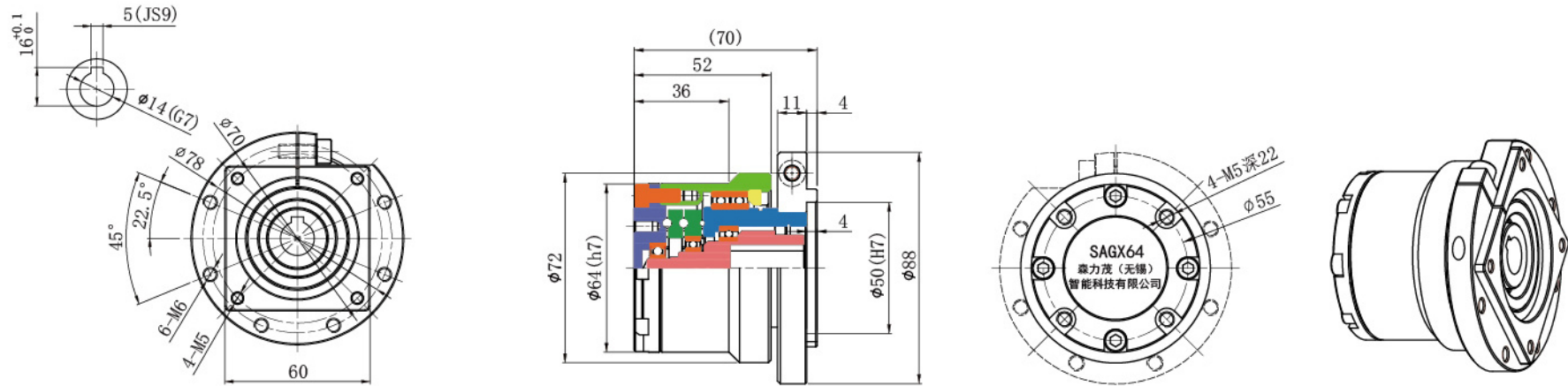
序号 NO.	球传动轮毂减速器 Ball Drive Hub Reducer	额定扭矩 Rated Torque	减速比 Reduction Ratio	适配输入轴直径(或订制) Diameter of Standard Input Shaft (special order available)	径向承载力 Fr(kg)	牵引力 Traction(kg)
1.1	SAGX64	28nm	5-30	Ø14mm 孔,5mm键槽	200	(400)
1	SAGX64BS	28nm	5-30	Ø14mm 孔,5mm键槽	200	(400)
2	SAGX95BS	28nm	5-30	Ø14mm 孔,5mm键槽	350	(700)
3	SAGX115BS	55nm	5-30	Ø19mm 孔,6mm键槽	600	(1200)

注：牵引力与驱动轮直径及地面的摩擦力配套电机相关。



SAGX64

Parameter overview

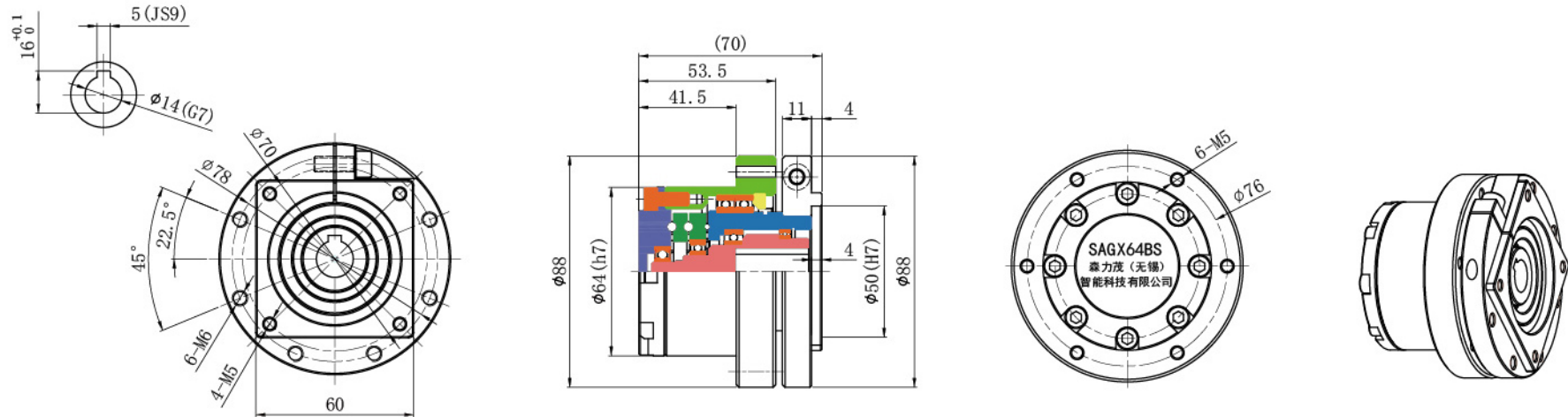


- 注: $\text{Ø}64\text{h}7$ 长度尺寸: 36mm, 可按照配装胶轮厚度适当改变。

Note: length size 36mm $\text{Ø}64\text{h}7$ can change appropriately according to thickness of equipped with roller.

SAGX64BS

Parameter overview



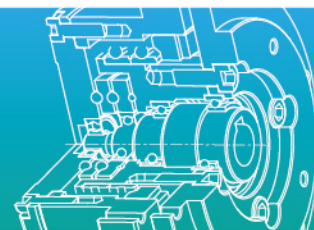
- 注: $\text{Ø}64\text{h}7$ 长度尺寸: 37mm, 可按照配装胶轮厚度适当改变。

Note: length size 37 $\text{Ø}64\text{h}7$ can change appropriately according to thickness of equipped with roller.

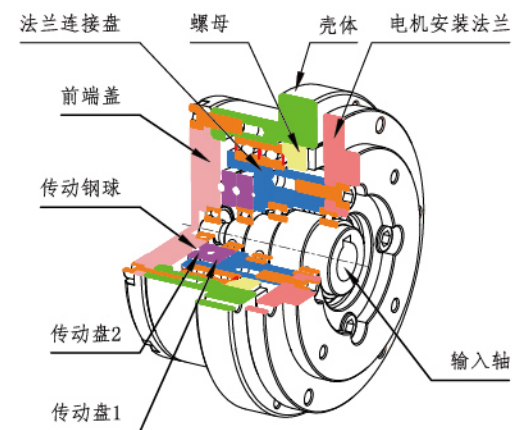
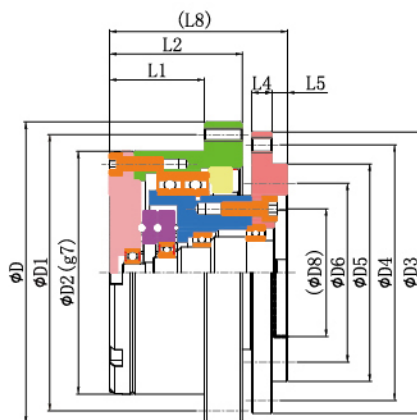
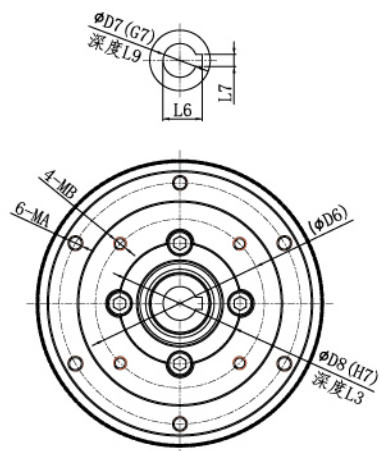
球传动轮毂减速器

SAGX95BS、SAGX115BS

SAGX95、SAGX115
BALL DRIVE HUB REDUCER



静音/精密/高效
LOW NOISE / PRECISION / HIGH EFFICIENCY



SAGX系列尺寸

SAGX Series Size(mm)

型号	ϕD	$\phi D1$	$\phi D2 (g7)$	$\phi D3$	$\phi D4$	$\phi D5$	$\phi D6$	$\phi D7 (G7)$	$\phi D8$	L1	L2	L3	L4	L5	L6 (0,+0.1)	L7	(L8)	L9	MA	MB	MC
SAGX95BS	118	108	95	110	100	85	70	14	50	43	53	5	8	6	16	5	68.7	33	6-M6	4-M5	6-M5
SAGX115BS	145	133	115	133	122	110	90	19	70	47.5	59.5	6	10	8	21.8	6	79.2	43	6-M6	4-M6	6-M6

1. NA尺寸由适配电机确定