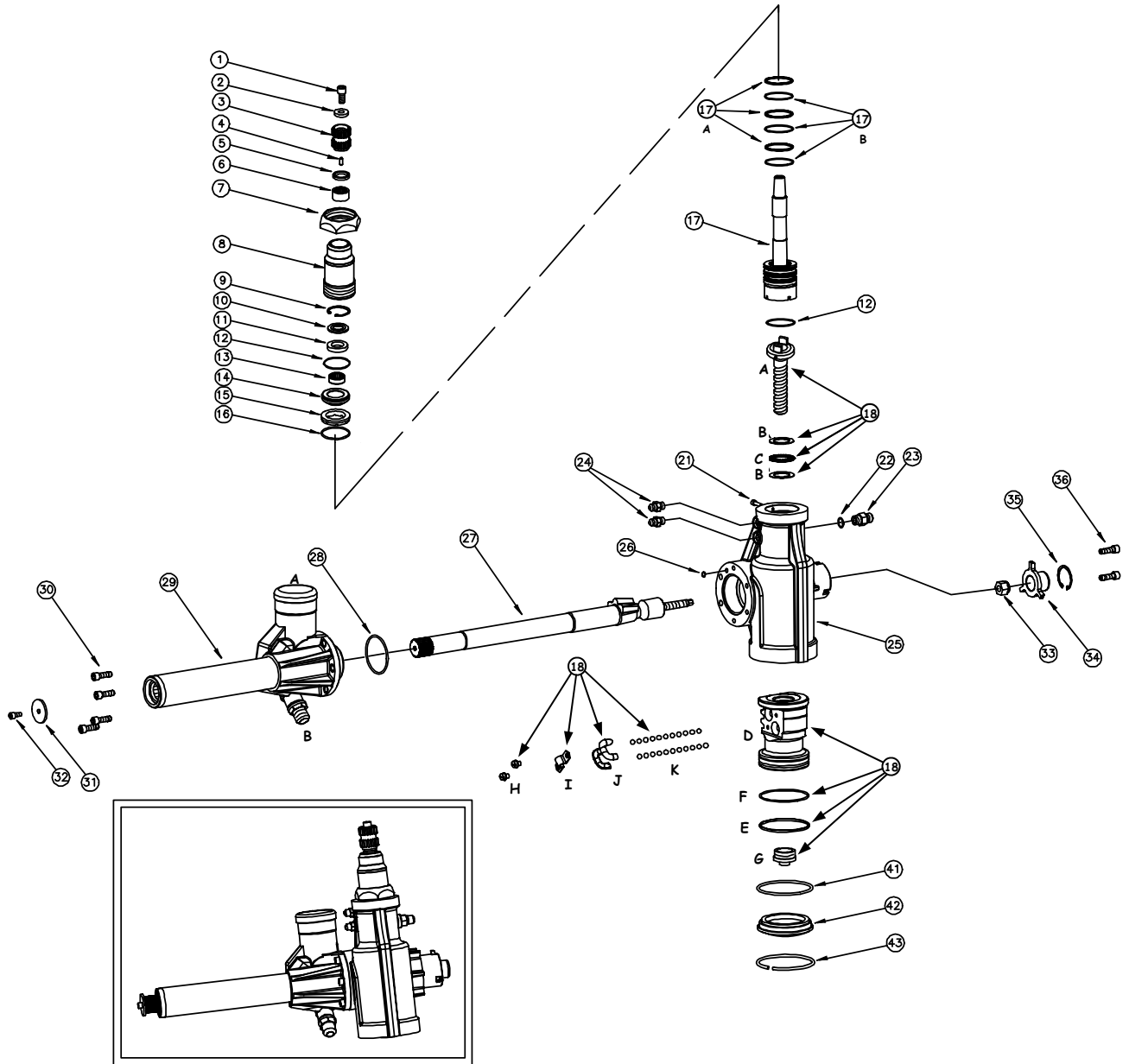




Technical Information

KSGEN2-XXXXX

Gen2 Steering Gear Assembly (Left Side)



Technical Information

ITEM	DESCRIPTION	PART#
1.	3/8-24 UNF SHCS	KSM 1057-075
2.	HARDENED FLAT WASHER	KSM 1097-375
3.	QUICK RELEASE ADAPTER (SPLINED)	KSG 1025
4.	PIN DRIVE HUB	KSM 1056
5.	INPUT LIP SEAL	KSM 1063
6.	NEEDLE BEARING (7/8")	KSM 1062
7.	INPUT JAM NUT	KSG 1059
8.	INPUT TUBE / COLLAR (10" OR 11")*	KSG 1055-XXX
9.	INT. SNAP RING – INPUT TUBE	KSM 1026-137
10.	INPUT LIP SEAL – THIN	KSM 1034
11.	INPUT LIP SEAL – THICK	KSM 1035
12.	BALL SCREW / BC O-RING B/70 (2 REQ)	KSM 1020-030
13.	BEARING COLLAR	KSG 1056
14.	NEEDLE BEARING – BC	KSM 1042
15.	INPUT THRUST BEARING ASSY.	KSG 1035
16.	INPUT NUT O-RING B/70	KSM 1020-133
17.	VALVE ASSEMBLY	KSG 005X-2XX*
	A VALVE TEFLON RINGS (3 REQ)	KSG 1042-031
	B VALVE O-RING B/70 (3 REQ)	KSM 1020-031
18.	RACK ASSEMBLY	KSG 0029
	A BALL SCREW	(N/A)
	B THRUST WASHERS	KSG 1088
	C THRUST BEARING	KSG 1087
	D RACK PISTON	(N/A)
	E O-RING	KSM 1020-149
	F PISTON RING	KSG 1041-149
	G RACK PLUG	KSG 1063
	H RETAINER STRAP SCREWS (2 REQ)	(N/A)
	I RETAINER STRAP	(N/A)
	J BALL CHANNELS	(N/A)
	K BALLS	(N/A)
21.	10-32 UNF SHCS – INPUT NUT LOCK	KSM 1002-075
22.	O-RING - TUBE FITTING (2 REQ)	KSM 1021-906
23.	#6 ORB TO #6 JIC STRAIGHT BLUE	KSM 1016B
24a.	#3 O-RING #3 37° FLARE	KSM 6002
24b.	OPTIONAL #3 O-RING PLUG	KSM 6001
25.	CENTER SECTION	KSG 1074
26.	RETURN PORT O-RING	KSM 1021-110
27.	CROSS SHAFT ASSEMBLY	KSG 0022-XXG2**
28.	O-RING SIDE HUB B/70	KSM 1020-143
29.	LIVE HUB RESERVOIR ASSEMBLY	KSG 1055-0XX**
	A RESERVOIR CAP AND DIP STICK	KSM 1052DS
	B #10 O-RING TO #10 AN FITTING	KSM 1073
30.	5/16-18 UNC SHCS (4 REQ)	KSM 1005-087
31.	DUST COVER/PITMAN ARM WASHER	KSM 1095
32.	1/4-28 UNF SHCS	KSM 1004-050
33.	UNF NEO LOCK NUT	KSM 1048-437
34.	BACKLASH BOLT COVER	KSG 1077
35.	COVER RETAINING RING	KSM 1026-175
36.	SHCS (2 REQ)	KSM 1005-250
41.	O-RING BOTTOM PLATE B/70	KSM 1020-236
42.	BOTTOM RETAINING PLATE	KSG 0028
43.	WIRE RETAINER RING – BOT. PLATE	KSM 1025
48.	1/16-27 NPT (2 REQ)	KSM 1112-062

SEAL KIT (INCLUDES ITEMS 12, 14, 18F, 19, 20, 26, 28, 33, 41, 43).... KSG-0035

* ORDER ACCORDING TO VALVE INPUT SHAFT LENGTH (005X) 0054=10", 0055=11", AND TORSION BAR SIZE (-2XX). SEE GEAR ORDERING INFORMATION. LENGTHS MEASURED FROM GEAR CENTERLINE.

** ORDER ACCORDING TO LENGTH (XX): 14, 16, OR 18 INCH LENGTHS AS MEASURED FROM GEAR CENTERLINE TO END OF SPLINES

***BLACK SERIES GEN2 GEARS

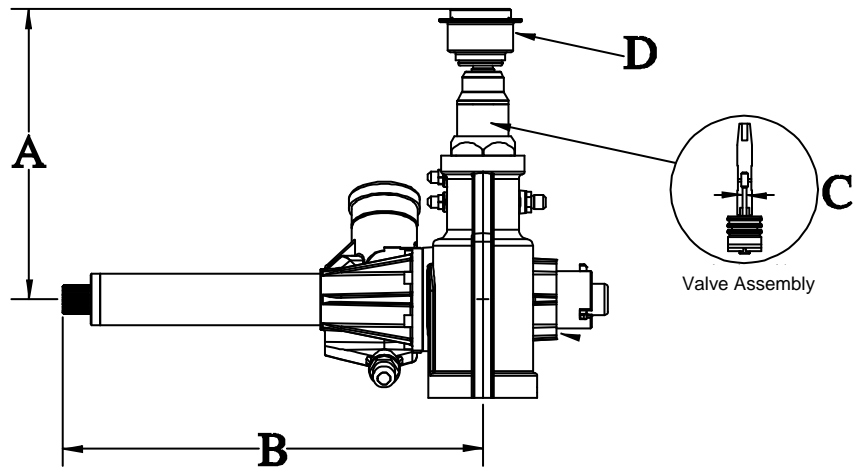
Gen2 Steering Gears

How to Order:

Create the part number of the gear you need by selecting the desired options in the boxes below and insert their code number into the part number.

Example:

KSGEN2L-3852 is a left-hand gear with 10" input shaft, 18" output shaft, a "35" servo valve, and a pull-type quick release.



KSGEN2L-				
"A" Input Shaft Code	"B" Live Tube Output Shaft Code	"C" Servo Valve Effort Code	"D" Steering Wheel Hub Release Code	"E" Optional Black Series
3 = 10" 5 = 11"	4 = 14" 6 = 16" 8 = 18"	4 = "20" (Easy) 5 = "35" 6 = "40" 7 = "50" 8 = "65" (Firm)	0 = No Quick Release 2 = Pull-Type Quick Release	Add "B" To End Of Part Number For Black Series <i>*Standard Leave Blank</i>

"A" Input Shaft

- Measurement is made from the steering wheel mounting surface of the quick release hub to the center line of the output shaft.
- Input shaft length is based upon driver preference; 11" is the most common in Sprint and Silver Crown cars. 10" and 11" are also used in Midgets.

"B" Live Tube Output Shaft

- Dimension is determined by chassis width, as well as the desired location of the drag link.
- 14" and 16" are common left side Midget lengths.
- 16" and 18" are common left side Sprint and Silver Crown lengths. 16" with the wide angle broached pitman arm are used to maximize weight reduction.

"C" Servo Valve Effort

- The servo valve torsion bar determines the effort required to steer by the driver. This is a driver preference. All KSE gears have the torsion bar size stamped on the web side of the case, next to the serial number.
- A "20" is the least effort size, and a "65" requires the most effort.
- Dirt sprint cars and Silver Crown drivers generally choose the lower efforts (35-40), while Midgets and pavement drivers choose higher efforts (40-50).

NEW AND DEVELOPING DRIVERS

- The Gen2 is a great steering system for young and developing drivers starting out. We recommend evaluating a steering gear with a shorter input (10") and the smallest servo valve torsion bar ("20").