

SERIES 45 (Patent Pending)

Hybrid Kingpin - Rivet Yoke



Features

- Kingpin & nut - 3/4" dia. heat treated
- Top plate is 6mm, cold forged ASTM 1045 steel
- Heavy duty sealed raceway is drop forged
- 3/8" Diameter HRC45 steel ball bearing absorb thrust and load in severe environments

Caster Options

- 304 Stainless Steel **S** prefix

Other Options

- Zerk axle **Z** suffix

**Plates

Plate	Size	Bolt Dia.
03	4 x 4-1/2	3/8
04	4-1/2 x 6-1/4	1/2

Wheel Dia.	Tread Width	Wheel Type	Load Cap.	OAH	Radius	Bearing	Swivel Part #	Rigid Part #
4	2	No Wheel	2000				45CS420-**	Use 34 Series
4	2	DURATEK Rubber	450	5-5/8	3-1/8	Roller	45CS420PPR23-**	
4	2	PU Steel	700	5-5/8	3-1/8	Roller	45CS420PU23-**	
4	2	PU Glass-Filled Nylon	800	5-5/8	3-1/8	Roller	45CS420MU23-**	
4	2	Ductile Steel	1200	5-5/8	3-1/8	Roller	45CS420DS23-**	
4	2	DURATOUGH	700	5-5/8	3-1/8	Roller	45CS420PTU23-**	
4	2	Heavy Duty Polyolefin	700	5-5/8	3-1/8	Roller	45CS420HPO23-**	
4	2	Phenolic	800	5-5/8	3-1/8	Roller	45CS420PH23-**	
4	2	DuraMORE	400	5-5/8	3-1/8	Roller	45CS420RN23-**	
4	2	Semi Steel	900	5-5/8	3-1/8	Roller	45CS420SS23-**	
4	2	Solid PU	900	5-5/8	3-1/8	Precision Ball	45CS420SPU63-**	
4	2	XS ENDURANCE Solid PU	1250	5-5/8	3-1/8	Roller	45CS420HU23-**	
4	2	XS ENDURANCE Solid PU	1250	5-5/8	3-1/8	Precision Ball	45CS420HU63-**	
5	2	No Wheel	2000				45CS520-**	
5	2	DURATEK Rubber	500	6-1/2	3-3/4	Roller	45CS520PPR23-**	
5	2	PU Steel	900	6-1/2	3-3/4	Roller	45CS520PU23-**	
5	2	PU Glass-Filled Nylon	1000	6-1/2	3-3/4	Roller	45CS520MU23-**	
5	2	Ductile Steel	1500	6-1/2	3-3/4	Roller	45CS520DS23-**	
5	2	DURATOUGH	800	6-1/2	3-3/4	Roller	45CS520PTU23-**	
5	2	Heavy Duty Polyolefin	900	6-1/2	3-3/4	Roller	45CS520HPO23-**	
5	2	Phenolic	1000	6-1/2	3-3/4	Roller	45CS520PH23-**	
5	2	DuraMORE	450	6-1/2	3-3/4	Roller	45CS520RN23-**	
5	2	Semi Steel	1000	6-1/2	3-3/4	Roller	45CS520SS23-**	
5	2	Solid PU	1000	6-1/2	3-3/4	Precision Ball	45CS520SPU63-**	
5	2	XS ENDURANCE Solid PU	1400	6-1/2	3-3/4	Roller	45CS520HU23-**	
5	2	XS ENDURANCE Solid PU	1400	6-1/2	3-3/4	Precision Ball	45CS520HU63-**	
6	2	No Wheel	2000				45CS620-**	
6	2	DURATEK Rubber	600	7-1/2	4-1/2	Roller	45CS620PPR23-**	
6	2	PU Steel	1000	7-1/2	4-1/2	Roller	45CS620PU23-**	
6	2	PU Glass-Filled Nylon	1100	7-1/2	4-1/2	Roller	45CS620MU23-**	
6	2	VICTORY PU Alum	1000	7-1/2	4-1/2	Precision Ball	45CS620DPA63-**	
6	2	DURATOUGH	900	7-1/2	4-1/2	Roller	45CS620PTU23-**	
6	2	Heavy Duty Polyolefin	1100	7-1/2	4-1/2	Roller	45CS620HPO23-**	
6	2	Phenolic	1200	7-1/2	4-1/2	Roller	45CS620PH23-**	
6	2	DuraMORE	500	7-1/2	4-1/2	Roller	45CS620RN23-**	
6	2	Semi Steel	1200	7-1/2	4-1/2	Roller	45CS620SS23-**	
6	2	Solid PU	1200	7-1/2	4-1/2	Precision Ball	45CS620SPU63-**	
6	2	XS ENDURANCE Solid PU	1700	7-1/2	4-1/2	Roller	45CS620HU23-**	
6	2	XS ENDURANCE Solid PU	1700	7-1/2	4-1/2	Precision Ball	45CS620HU63-**	


2000 lbs
900 kg

Wheel Dia.	Tread Width	Wheel Type	Load Cap.	OAH	Radius	Bearing	Swivel Part #	Rigid Part #
6	2-1/2	No Wheel	2000				45CS625-**	Use 34 Series
6	2-1/2	Rubber Steel	600	7-1/2	4-1/2	Roller	45CS625RS2-**	
6	2-1/2	Thermoplastic Rubber	600	7-1/2	4-1/2	Roller	45CS625TPR2-**	
6	2-1/2	PU Polyolefin	1000	7-1/2	4-1/2	Roller	45CS625PPU2-**	
6	2-1/2	Phenolic	1400	7-1/2	4-1/2	Roller	45CS625PH2-**	
6	2-1/2	Polyurethane Steel	1500	7-1/2	4-1/2	Roller	45CS625PU2-**	
6	2-1/2	Semi Steel	1500	7-1/2	4-1/2	Roller	45CS625SS2-**	
6	2-1/2	 ENDURANCE Solid PU	2000	7-1/2	4-1/2	Roller	45CS625HU2-**	
6	2-1/2	 ENDURANCE Solid PU	2000	7-1/2	4-1/2	Precision Ball	45CS625HU6-**	
8	2	No Wheel	2000				45CS820-**	
8	2	DURATEK Rubber	675	9-1/2	6-5/16	Roller	45CS820PPR23-**	
8	2	PU Steel	1200	9-1/2	6-5/16	Roller	45CS820PU23-**	
8	2	PU Glass-Filled Nylon	1400	9-1/2	6-5/16	Roller	45CS820MU23-**	
8	2	VICTORY PU Alum	1200	9-1/2	6-5/16	Precision Ball	45CS820DPA63-**	
8	2	DURAFLOUGH	1000	9-1/2	6-5/16	Roller	45CS820PTU23-**	
8	2	Heavy Duty Polyolefin	1400	9-1/2	6-5/16	Roller	45CS820HPO23-**	
8	2	Phenolic	1400	9-1/2	6-5/16	Roller	45CS820PH23-**	
8	2	DuraMORE	600	9-1/2	6-5/16	Roller	45CS820ORN23-**	
8	2	Semi Steel	1400	9-1/2	6-5/16	Roller	45CS820SS23-**	
8	2	Solid PU	2000	9-1/2	6-5/16	Precision Ball	45CS820SPU63-**	
8	2	 ENDURANCE Solid PU	2000	9-1/2	6-5/16	Roller	45CS820HU23-**	
8	2	 ENDURANCE Solid PU	2000	9-1/2	6-5/16	Precision Ball	45CS820HU63-**	
8	2-1/2	No Wheel	2000				45CS825-**	
8	2-1/2	Rubber Steel	800	10-1/8	6-1/4	Roller	45CS825RS2-**	
8	2-1/2	Thermoplastic Rubber	800	10-1/8	6-1/4	Roller	45CS825TPR2-**	
8	2-1/2	PU Polyolefin	1000	10-1/8	6-1/4	Roller	45CS825PPU2-**	
8	2-1/2	Polyurethane Steel	1500	10-1/8	6-1/4	Roller	45CS825PU2-**	
8	2-1/2	Phenolic	1800	10-1/8	6-1/4	Roller	45CS825PH2-**	
8	2-1/2	Semi Steel	2000	10-1/8	6-1/4	Roller	45CS825SS2-**	
8	2-1/2	 ENDURANCE Solid PU	2000	10-1/8	6-1/4	Roller	45CS825HU2-**	
8	2-1/2	 ENDURANCE Solid PU	2000	10-1/8	6-1/4	Precision Ball	45CS825HU6-**	
10	2-1/2	No Wheel	2000				45CS1025-**	
10	2-1/2	Rubber Steel	900	11-1/2	7-1/2	Roller	45CS1025RS2-**	
10	2-1/2	Thermoplastic Rubber	900	11-1/2	7-1/2	Roller	45CS1025TPR2-**	
10	2-1/2	Elastic Rubber Glass Nylon	1000	11-1/2	7-1/2	Roller	45CS1025ENR2-**	
10	2-1/2	PU Polyolefin	1500	11-1/2	7-1/2	Roller	45CS1025PPU2-**	
10	2-1/2	Polyurethane Steel	2000	11-1/2	7-1/2	Roller	45CS1025PU2-**	
10	2-1/2	Phenolic	2000	11-1/2	7-1/2	Roller	45CS1025PH2-**	
10	2-1/2	Semi Steel	2000	11-1/2	7-1/2	Roller	45CS1025SS2-**	


2000 lbs
900 kg

Caster Part Number System

C 24 TS 514 PO 23 E-01-S

#	Finish Type	Series	Caster Yoke Brakes		Wheel Dia.		Wheel Width		Wheel Type	Bearing Type		Wheel Color		Fastening	Options	
			#	Type	#	Dia.	#	TW		#	I.D.	#	Desc.		#	
	Zinc (Standard)	01	CS	Swivel Yoke	2	2	78	7/8	HR	1*	Annular Ball	A	Black Gray	00	Z	Zerk Axle
		02 03	CR	Rigid Yoke	25	2-1/2	10	1	SR	10	5/16"	B	Black	01	S	Raceway Seal
R	Unplated	04	TL	Total Lock Brake	3	3	14	1-1/4	RS	11	3/8"	C	Green Gray	02	F	Zerk Fitting on Raceway
N	Nickel	05	DL	Directional Lock Brake	34	3-1/4	15	1-1/2	RN	12	1/2"	D	Red Gray	03	L	Raceway w/o Dust Cover
C	Chrome	06	SL	Side Lock Brake	35	3-1/2	17	1-3/4 off	ERN	2*	Roller	E	White	04	G	Steel Thread Guard
B	Brass	07	MS	Cam Lock Swivel Brake	4	4	113	1-13/16	RA	21	1/2	F	Maroon Black	05	R	Rivet Axle
X	Black Oxide	08	MR	Cam Lock Rigid Brake	5	5	20	2	CP	22	5/8	G	Green Black	06	T	High Temp Grease
		10	AS	A-Cam Lock Brake	6	6	25	2-1/2	PPR	23	3/4	H	Gray Black	25	H	Hardened Raceway
P	Black Powder	20	TS	Top Lock Swivel Brake	8	8	27	2-3/4 off	DPPR	24	7/8	J	Maroon Gray	26	NH	Not Hardened
		21 22	TR	Top Lock Rigid Brake	10	10	30	3	TPR	25	1	K	Red Black	27	PS	4-Position Swivel Lock
	Option	23	VS	Vertical Lock Brake	12	12	35	3-1/2	DPR	26	1-1/4	L	Blue	28		
S	Stainless Steel	24	HS	Posi-Lock Brake	14	14			PO	27	1-1/2	M	Yellow	30		
		25	FS	Face Contact Brake	16	16			HP	3*	Precision Ball	N	Green	31		
		26	RS	Thumb Screw Brake	18	18			DPO	31	5/16	O	Orange Red Gray	32		
		27							PH	34	3/8	P	Purple Gray	33		
		28							TPH	38	1/2	Q	Purple Beige	34		
		30							PPU	39	3/4	R	Red	40		
		31							DPU	62	6202 (3/8" bush)	S	Silver	41		
		32							PA	63	6203 (1/2" bush)	U	Blue Black	42		
		34							SPU	64	6204 (5/8" bush)	V	Red Silver	43		
		35							PU	65	6205 (3/4" bush)	W	Black White	44		
		55							EX	4*	Flanged Ball	X	Gray	45		
		40							MU	41	5/16	Y	Gray Beige	46		
		45 46							MX	42	3/8	Bearing Type (cont'd)		47		
		60							HU	44	1/2	8*	Plain Bore	50		
		90							SS	45	5/8	80	1/4"	51		
		91 92							DS	46	3/4	81	5/16"	52		
		100							CDS	47	1	82	3/8"	58		
									VG	5*	Delrin	82B	7/16"	60		
									DVG	54	5/16	83	1/2"	61		
									MA	55	3/8	84	1-3/16"	70		
									MVG	56	1/2	85	1-7/16"	71		
									TMA	57	3/4	86	1-15/16"	72		
									NY	58	1	87	2-7/16"	73		
									FP	59	1-1/4	88	3/4"	Cont'd		
									SP	7*	Tapered	89	7/8"			
									70	3/4		90	3/8" + 5/16" bushing			
									71	1		91	1/2" + 3/8" bushing			
									74	1-1/4		92	3/4" + 1/2" bushing			
									75	1-1/2		93	1" + 3/4" bushing			

• For Series Description: Refer to Table of Contents | pg 2

• For details: Refer to Fastening Part # System | pg 4

Fastenings Part # System

Plate #	Plate Size	Bolt Hole
00	1-1/4 x 2-1/16	13/16 x 1-9/16
01	2-3/8 x 3-5/8	1-3/4 x 2-7/8 to 3
02	3-1/8 x 4-1/8	1-3/4 x 2-15/16 to 2-3/8 x 3-3/8
03	4 x 4-1/2	2-5/8 x 3-5/8 to 3 x 3
04	4-1/2 x 6-1/4	2-7/16 x 4-15/16 to 3-3/8 x 5-1/4
E 04	4-5/16 x 5-1/2	3-5/16 x 4-7/16 to 2-1/2 x 4-7/16
05	5 x 5-1/2	4-1/8 x 4-1/2
E 05	5-1/2 x 5-1/2	4-1/2 x 4-1/2 to 4 x 4
06	5-1/4 x 7-1/4	3-3/8 x 5-1/4 to 4-1/8 x 6-1/8
Stem #	Stem Type	Stem Size
23	Hollow Kingpin	7/16"
24	Hollow Kingpin	3/4"
25	Hollow Kingpin	3/8"
26	Hollow Kingpin	1/2"
27	Hollow Kingpin	M10
28	Hollow Kingpin	M12
30	Thread Stem	3/8-16 x 3/4
31	Thread Stem	3/8-16 x 1
32	Thread Stem	3/8-16 x 1-1/4
33	Thread Stem	3/8-16 x 1-1/2
34	Thread Stem	3/8-16 x 1-3/8
40	Thread Stem	1/2-13 x 3/4
41	Thread Stem	1/2-13 x 1
42	Thread Stem	1/2-13 x 1-1/4
43	Thread Stem	1/2-13 x 1-1/2
44	Thread Stem	1/2-13 x 1-3/4
45	Thread Stem	1/2-13 x 2
46	Thread Stem	1/2-13 x 2-1/2
47	Thread Stem	1/2-13 x 2-9/16
50	Thread Stem	3/4-10 x 1
51	Thread Stem	3/4-10 x 1-1/2
52	Thread Stem	3/4-10 x 1-3/4

Stem #	Stem Type	Stem Size
58	Pipe Thread	3/4 NPT x 1
60	Round Stem	3/4 x 1-7/16; 1 Cross-drill Hole
61	Round Stem	0.865 x 2-3/16; 1 Cross-drill Hole
64	Round Stem	1 x 2-1/2; 1 Cross-drill Hole (.40 dia)
70	Grip Ring	7/16 x 1"
71	Grip Ring	7/16 x 1-3/16"
72	Grip Ring	7/16 x 1-3/8"
73	Grip Ring	7/16 x 1-7/8"
74	Grip Ring	7/16 x 2"
75	Grip Ring	5/8 x 2-3/16
76	Grip Ring	13/16 x 2-3/16
76A	Grip Ring	13/16 x 1-3/4
77	Grip Ring	0.845 x 2-3/16
78	Grip Ring	0.865 x 2-3/16
78N	Grip Ring	0.865 x 2-3/16; 1 Groove; w/o Ring
78R2	Grip Ring	0.865 x 2-3/16, Dual Grip Rings
83	Square	3/4 x 2
84	Square	7/8 x 2
86	Octagon	3/4 x 2
87	Octagon	3/4 x 2-3/16
88	Octagon	7/8 x 2
90	Expandable Adapter	0.720 - 0.851
91	Expandable Adapter	0.852 - 0.927
92	Expandable Adapter	0.928 - 1.029
93	Expandable Adapter	1.030 - 1.140
94	Expandable Adapter	1.141 - 1.359
95	Expandable Adapter	1.360 - 1.425
96	Expandable Adapter	1.426 - 1.589
97	Expandable Adapter	1.790 - 1.850