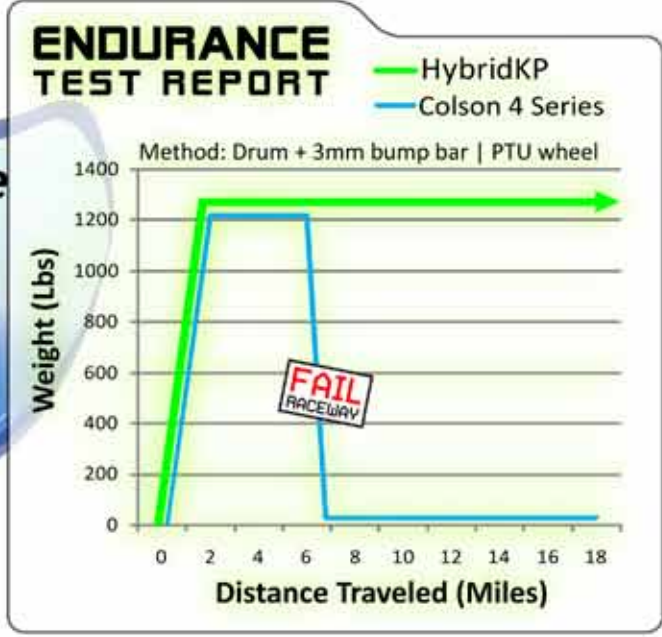


Part No.  
45CS620-03

# Hybrid KP

## Heavy Duty Yoke



Kingpinless Style  
**Drop Forged**  
RACEWAY

3/8" Ball Bearings  
HRC45 STEEL



2000 lbs  
900 kg

3/4" Kingpin | Nut  
HARDENED

1/4" Top Plate  
COLD FORGED  
ASTM 1045

### Series 46 - MODULAR YOKES

Wheel Dia.	Tread Width	Load Cap.	OAH	Swivel Part #
4	2	2000	5-5/8	46CS420
5	2	2000	6-1/2	46CS520
6	2	2000	7-1/2	46CS620
6	2-1/2	2000	7-1/2	46CS625
8	2	2000	9-1/2	46CS820
8	2-1/2	2000	10-1/8	46CS825
10	2-1/2	2000	11-1/2	46CS1025

### Series 46 - MODULAR TOP PLATES

Plate	Size	Bolt Pattern	Bolt Dia.
46-03	4 x 4-1/2	2-5/8 x 3-5/8 to 3 x 3	3/8
46-04	4-1/2 x 6-1/4	2-7/16 x 4-15/16 to 3-3/8 x 5-1/4	1/2
46-05	5 x 5-1/2	4-1/8 x 4-1/2	1/2

## CONSTRUCTION FEATURES

### Load Capacity Up to 2000 lbs.

- Kingpinless strength with Kingpin simplicity
- Kingpinless style drop forged raceway
- 3/8" Ball bearings (HRC45 steel)
- 3/4" Kingpin / Nut hardened
- 1/4" Cold forged top plate (ASTM 1045)
- 1/2" Axle holes
- Long life of caster with low cost
- Extra high endurance in distance traveled
- Any 2" teads width wheel will fit in these rigs

## CATEGORY 4 MODULAR YOKES

Wheel Dia.	Tread Width	Load Cap.	OAH	Swivel Part #
4	2	2000	5-5/8	4-16E-46CS420
5	2	2000	6-1/2	4-16E-46CS520
6	2	2000	7-1/2	4-16E-46CS620
8	2	2000	9-1/2	4-16E-46CS820

## CATEGORY 5 MODULAR YOKES

Wheel Dia.	Tread Width	Load Cap.	OAH	Swivel Part #
6	2-1/2	2000	7-1/2	5-16E-46CS625
8	2-1/2	2000	10-1/8	5-16E-46CS825
10	2-1/2	2000	11-1/2	5-16E-46CS1025

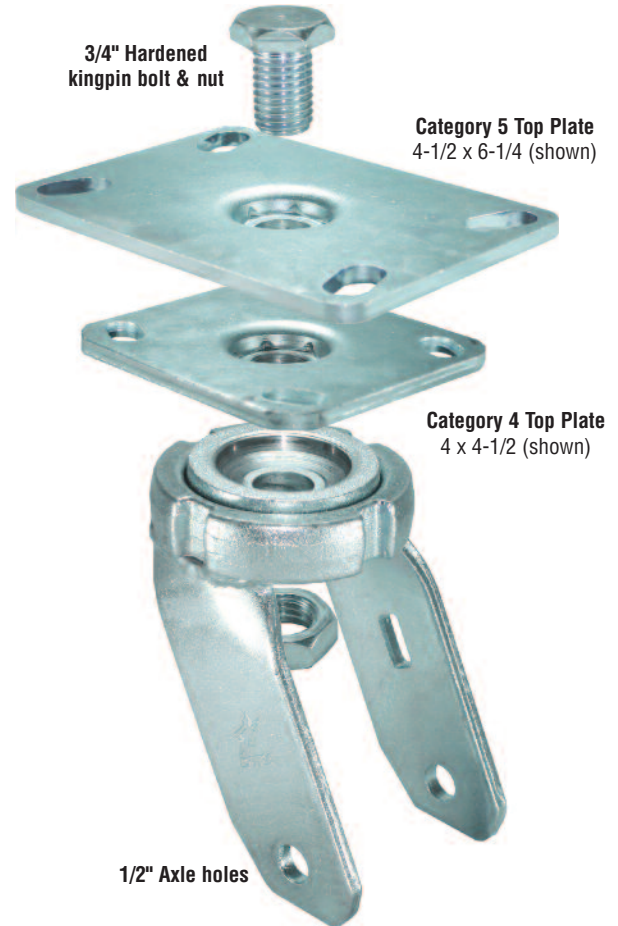
## MODULAR TOP PLATES

Plate	Size	Bolt Pattern	Bolt Dia.
46-03	4 x 4-1/2	2-5/8 x 3-5/8 to 3 x 3	3/8
46-04	4-1/2 x 6-1/4	2-7/16 x 4-15/16 to 3-3/8 x 5-1/4	1/2
46-05	5 x 5-1/2	4-1/8 x 4-1/2	3/8

## CASTER SPECIFICATIONS

Wheel Type	Bearing	Diameter (in.)	Width (in.)	Capacity (lbs.)	OAH (in.)	Swivel Lead (in.)	Approx. Wt. (lbs.)	Swivel Part Number Add B, P, PL, R or T*
Nylacron™	Prec. Ball	4	2	1250	5-5/8	2-7/16	7	4-16E-NY/MD-P-0420-S
Nylacron™	Prec. Ball	5	2	1250	6-1/2	2-7/16	8	4-16E-NY/MD-P-0520-S
Nylacron™	Prec. Ball	6	2	1250	7-1/4	2-7/16	9	4-16E-NY/MD-P-0620-S
Nylacron™	Prec. Ball	8	2	1250	9-1/2	2-7/16	10	4-16E-NY/MD-P-0820-S
Kryptonic™	Prec. Ball	4	2	500	5-5/8	2-7/16	6	4-16E-KR-P-0420-S
Kryptonic™	Prec. Ball	5	2	700	6-1/2	2-7/16	7	4-16E-KR-P-0520-S
Kryptonic™	Prec. Ball	6	2	900	7-1/4	2-7/16	8	4-16E-KR-P-0620-S
Kryptonic™	Prec. Ball	8	2	1000	9-1/2	2-7/16	9	4-16E-KR-P-0820-S
Solid Elastomer	Prec. Ball	4	2	900	5-5/8	2-7/16	7	4-16E-SE-P-0420-S
Solid Elastomer	Prec. Ball	5	2	1000	6-1/2	2-7/16	8	4-16E-SE-P-0520-S
Solid Elastomer	Prec. Ball	6	2	1100	7-1/4	2-7/16	9	4-16E-SE-P-0620-S
Solid Elastomer	Prec. Ball	8	2	1200	9-1/2	2-7/16	10	4-16E-SE-P-0820-S
High-Temp Nylon	Prec. Ball	4	2	800	5-5/8	1-11/16	5	4-16E-HE-P-0420-S
High-Temp Nylon	Prec. Ball	5	2	1000	6-1/2	1-5/8	6	4-16E-HE-P-0520-S
High-Temp Nylon	Prec. Ball	6	2	1200	7-1/4	1-3/4	7	4-16E-HE-P-0620-S
High-Temp Nylon	Prec. Ball	8	2	1250	9-1/2	1-3/4	8	4-16E-HE-P-0820-S

CONTINUED ON NEXT PAGE...



## CASTER SPECIFICATIONS (CONTINUED)

Wheel Type	Bearing	Dia. (in.)	Width (in.)	Capacity (lbs.)	OAH (in.)	Swivel Lead (in.)	Approx. Wt. (lbs.)	Swivel Part Number Add B, P, PL, R or T*
Maxim / Nylon Fiberglass	Prec. Ball	4	2	800	5-5/8	1-11/16	5	4-16E-NG-P-0420-S
Maxim / Nylon Fiberglass	Prec. Ball	5	2	1000	6-1/2	1-5/8	5-1/2	4-16E-NG-P-0520-S
Maxim / Nylon Fiberglass	Prec. Ball	6	2	1200	7-1/4	1-3/4	6-1/4	4-16E-NG-P-0620-S
Maxim / Nylon Fiberglass	Prec. Ball	8	2	1250	9-1/2	1-3/4	8	4-16E-NG-P-0820-S
Phenolic / Texite	Prec. Ball	4	2	800	5-5/8	1-11/16	5	4-16E-TM-R-0420-S
Phenolic / Texite	Prec. Ball	5	2	1000	6-1/2	1-5/8	5-1/4	4-16E-TM-R-0520-S
Phenolic / Texite	Prec. Ball	6	2	1200	7-1/4	1-3/4	6-1/4	4-16E-TM-R-0620-S
Phenolic / Texite	Prec. Ball	8	2	1250	9-1/2	1-3/4	8	4-16E-TM-R-0820-S
Extreme Solid Polyurethane	Prec. Ball	4	2	900	5-5/8	1-1/4	6	4-16E-XP-P-0420-S
Extreme Solid Polyurethane	Prec. Ball	5	2	1000	6-1/2	1-3/8	7	4-16E-XP-P-0520-S
Extreme Solid Polyurethane	Prec. Ball	6	2	1100	7-1/4	1-5/8	8	4-16E-XP-P-0620-S
Extreme Solid Polyurethane	Prec. Ball	8	2	1200	9-1/2	1-3/4	9	4-16E-XP-P-0820-S
Extreme Plus / Solid Polyurethane	Prec. Ball	4	2	1100	5-5/8	1-1/4	6	4-16E-XP/SP-P-0420-S
Extreme Plus / Solid Polyurethane	Prec. Ball	5	2	1200	6-1/2	1-3/8	7	4-16E-XP/SP-P-0520-S
Extreme Plus / Solid Polyurethane	Prec. Ball	6	2	1250	7-1/4	1-5/8	8	4-16E-XP/SP-P-0620-S
Extreme Plus / Solid Polyurethane	Prec. Ball	8	2	1250	9-1/2	1-3/4	9	4-16E-XP/SP-P-0820-S
Polyurethane / Alum. Core / Flat Tread	Prec. Ball	4	2	700	5-5/8	1-11/16	5	4-16E-PY/AL/FT-P-0420-S
Polyurethane / Alum. Core / Flat Tread	Prec. Ball	5	2	1050	6-1/2	1-5/8	5-1/4	4-16E-PY/AL/FY-R-0520-S
Polyurethane / Alum. Core / Flat Tread	Prec. Ball	6	2	1230	7-1/4	1-3/4	5-3/4	4-16E-PY/AL/FT-P-0620-S
Polyurethane / Alum. Core / Flat Tread	Prec. Ball	8	2	1250	9-1/2	1-3/4	7	4-16E-PY/AL/FT-P-0820-S
Swivel-EAZ™ Urethane 80A / Flat Tread	Prec. Ball	4	2	800	5-5/8	2-7/16	7	4-16E-SWE/8/FT-P-0420-S
Swivel-EAZ™ Urethane 80A / Flat Tread	Prec. Ball	5	2	700	6-1/2	2-7/16	8	4-16E-SWE/8/FT-P-0520-S
Swivel-EAZ™ Urethane 80A / Flat Tread	Prec. Ball	6	2	1200	7-1/4	2-7/16	9	4-16E-SWE/8/FT-P-0620-S
Swivel-EAZ™ Urethane 80A / Flat Tread	Prec. Ball	8	2	1200	9-1/2	2-7/16	10	4-16E-SWE/8/FT-P-0820-S
Swivel-EAZ™ Urethane 95A / Flat Tread	Prec. Ball	4	2	800	5-5/8	2-7/16	7	4-16E-SWE/9/FT-P-0420-S
Swivel-EAZ™ Urethane 95A / Flat Tread	Prec. Ball	5	2	700	6-1/2	2-7/16	8	4-16E-SWE/9/FT-P-0520-S
Swivel-EAZ™ Urethane 95A / Flat Tread	Prec. Ball	6	2	1200	7-1/4	2-7/16	9	4-16E-SWE/9/FT-P-0620-S
Swivel-EAZ™ Urethane 95A / Flat Tread	Prec. Ball	8	2	1200	9-1/2	2-7/16	10	4-16E-SWE/9/FT-P-0820-S
Moldon Rubber / Cast Iron Core	Prec. Ball	4	2	300	5-5/8	1-11/16	5-1/4	4-16E-MR/CA-P-0420-S
Moldon Rubber / Cast Iron Core	Prec. Ball	5	2	450	6-1/2	1-5/8	5-1/2	4-16E-MR/CA-P-0520-S
Moldon Rubber / Cast Iron Core	Prec. Ball	6	2	500	7-1/4	1-3/4	8	4-16E-MR/CA-P-0620-S
Moldon Rubber / Cast Iron Core	Prec. Ball	8	2	600	9-1/2	1-3/4	10-1/4	4-16E-MR/CA-P-0820-S
Advanced Rubber / Flat Tread	Prec. Ball	4	2	500	5-5/8	1-11/16	5	4-16E-AN/FT-P-0420-S
Advanced Rubber / Flat Tread	Prec. Ball	5	2	650	6-1/2	1-5/8	6	4-16E-AN/FT-P-0520-S
Advanced Rubber / Flat Tread	Prec. Ball	6	2	700	7-1/4	1-3/4	7	4-16E-AN/FT-P-0620-S
Advanced Rubber / Flat Tread	Prec. Ball	8	2	900	9-1/2	1-3/4	8	4-16E-AN/FT-P-0820-S
Advanced Rubber / Donut Tread	Prec. Ball	4	2	500	5-5/8	1-11/16	5	4-16E-AN/DT-P-0420-S
Advanced Rubber / Donut Tread	Prec. Ball	5	2	650	6-1/2	1-5/8	6	4-16E-AN/DT-P-0520-S
Advanced Rubber / Donut Tread	Prec. Ball	6	2	700	7-1/4	1-3/4	7	4-16E-AN/DT-P-0620-S
Advanced Rubber / Donut Tread	Prec. Ball	8	2	900	9-1/2	1-3/4	8	4-16E-AN/DT-P-0820-S
Elastic Rubber Blue / Aluminum Core	Prec. Ball	6	2	500	7-1/4	4 5/8	9	4-16E-ER/AL-P-0620-S
Elastic Rubber Blue / Aluminum Core	Prec. Ball	8	2	700	9-1/2	5 3/4	10	4-16E-ER/AL-P-0820-S

\*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing.

All load ratings are for manual operation at 2 mph.

For rigid casters, change "S" to "R" (i.e. 4-16M-NY-P-0420-S becomes 4-16M-NY-P-0420-R)

All Rig Options should be added to the end of the part number. (i.e. 4-16M-NY-P-0420-SL for Swivel Lock)

# 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	<b>Bearing Type ( cont'd )</b>		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