

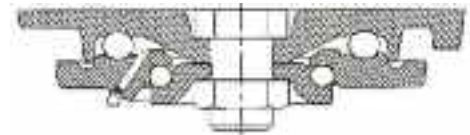
7-90 CONSTRUCTION FEATURES

Load Capacity Up to 3500 lbs.

- Top Plate: S.A.E. 1045 drop-forged steel. Forged top plate skirt affords labyrinth type seal for load raceway.
- Yoke Base: S.A.E. 1045 drop-forged steel. Large outside diameter yoke base is used when the hub length of wheel is 4-1/2" or greater or when swivel lock option is used.
- Hub Length: 3 1/2" (standard)
- Swivel Load Bearing: 4" diameter, deep grooved ball load raceway with 1/2" steel balls. The thrust bearing is 2-5/8" diameter using 3/8" diameter steel balls.
- Legs: 3/8" steel plate, welded inside and out to the yoke base and 3/8" thick rigid top. Hub length 3-1/2".
- King Bolt: 1" diameter, heat-treated bolt and nut.
- Axle: Casters marked ~ have 1" solid axle. All other have 3/4" hollow axles. Lock nuts are standard on both sizes. Exception: Casters 90-CA-R*-0440-S and 90-PA-R*-0440-S must have 1" hollow axles for wheel bearing lubrication.
- Wheel Bearing: 3-1/4" hub length wheels have 1" straight roller or 3/4" tapered roller bearing. 4-1/4" hub length wheels have 1-1/4" straight roller bearing. Exception: Casters 90-CA-T-3240-S and 90-PA-R*-04440-S have 3/4" tapered roller bearing. Straight roller bearings have hardened thrust washers between wheel hub and inside of fork legs.
- Lubrication: Zerk fitting in swivel section and also recessed head of hollow axle.
- Finish: All parts except wheel are Zinc plated. Metal wheel parts have air-dried aluminum or black enamel finish.



SWIVEL CROSS SECTION



SWIVEL RIG OPTIONS

- SLW** Swivel Lock Welded
- SLHOPI** Swivel Lock - Hand Operated
Field Installable
- HT-90** For unusually severe service,
hardened raceways available

For color coordination as well as for corrosion protection, casters can be powder.

MOUNTING PLATE (SWIVEL / RIGID)

Top Plate	Plate Size	Bolt Hole Spacing	Bolt Size
90 (Swivel)	5 1/4" x 7 1/4"	3 3/8" x 5 1/4" slotted to 4 1/8" x 6 1/8"	1/2"
90 (Rigid)	5" x 7 1/4"	3 3/8" x 5 1/4" slotted to 4 1/8" x 6 1/8"	1/2"

BRAKE OPTIONS

- P** Poly Cam Brake
- FCB** Face Contact Brake
- FBB** Face Brake
- WB** Wrap Around Brake
- SSB** Single Side Brake
- DSB** Double Side Brake



Nylacron™ Wheels

With Precision Ball Bearings for Any Application: (NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.

7-90 CASTER SPECIFICATIONS

Wheel Type (Wheel Code)	Diameter (in.)	Width (in.)	Capacity (lbs.)	OAH (in.)	Swivel Lead (in.)	Approx. Wt. (lbs.)	Swivel Part Number Add B, P, PL, R or T*
FORGED STEEL (FS) WHEELS WITH ROLLER BEARINGS							
	6	2-1/2	2000	8	1-1/2	21-3/4	7-90-FS-R-0625-S
	8	3	2000	10-1/2	2-1/4	26-1/2	7-90-FS-R-0830-S
	10	3	2000	12-1/2	2-1/2	27-1/2	7-90-FS-P-1030-S
DUCTILE IRON / ROUND TREAD (DU/RT) WHEELS WITH ROLLER BEARINGS							
	6	2-1/2	2000	8	1-1/2	20-1/4	7-90-DU/RT-R-0625-S
	8	3	2000	10-1/2	2-1/4	26-1/2	7-90-DU/RT-R-0830-S
	10	3	2000	12-1/2	2-1/2	27-1/2	7-90-DU/RT-R-1030-S
CAST IRON (CA) WHEELS WITH ROLLER BEARINGS							
	4	3	2000	5	2	17-3/4	7-90-CA-R-3212-S
	5	2-1/2	2000	7	2-1/4	19-1/2	7-90-CA-R-0525-S
	6	2-1/2	2000	8	1-1/2	20-1/4	7-90-CA-R-0625-S
	8	3	2000	10-1/2	2-1/4	26-1/2	7-90-CA-R-0830-S
	10	3	2000	12-1/2	2-1/2	27-1/2	7-90-CA-R-1030-S
CAST IRON / V-GROOVED (CA/VG) WHEELS WITH ROLLER BEARINGS							
	6	2-1/2	2000	8	1-1/2	20-1/4	7-90-CA/VG-R-0625-S
	8	3	2000	10-1/2	2-1/4	26-1/2	7-90-CA/VG-R-0830-S
	10	3	2000	12-1/2	2-1/2	27-1/2	7-90-CA/VG-R-1030-S
NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS							
	6	2-1/2	3500	8	1-1/2	14-1/2	7-90-NY/MD-P-0625-S
	6	3	3500	8	1-1/2	15	7-90-NY/MD-P-0630-S
	8	2-1/2	3500	10-1/2	2-1/4	16-3/4	7-90-NY/MD-P-0825-S
	8	3	3500	10-1/2	2-1/4	18	7-90-NY/MD-P-0830-S
	10	2-1/2	3500	12-1/2	3-1/2	19	7-90-NY/MD-P-1025-S
	10	3	3500	12-1/2	2-1/2	20-1/2	7-90-NY/MD-P-1030-S
	12	2-1/2	3500	15-1/2	3	31-1/2	7-90-NY/MD-P-1225-S
	12	3	3500	15-1/2	3	35	7-90-NY/MD-P-1230-S
PHENOLIC / TEXITE (TM) WHEELS WITH ROLLER BEARINGS							
	6	2-1/2	1600	8	1-1/2	14-1/2	7-90-TM-R-0625-S
	6	3	2000	8	1-1/2	14-3/4	7-90-TM-R-0630-S
	8	2-1/2	2000	10-1/2	2-1/4	16-3/4	7-90-TM-R-0825-S
	8	3	2000	10-1/2	2-1/4	17-3/4	7-90-TM-R-0830-S
	10	3	2000	12-1/2	2-1/2	20-1/2	7-90-TM-R-1030-S
	12	3	2000	15-1/2	3	22-1/2	7-90-TM-R-1230-S
VULKOLLAN™ / CAST IRON CORE (VU/CA) WHEELS WITH PRECISION BALL BEARINGS							
	6	2-1/2	1950	8	1-1/2	20-1/2	7-90-VU/CA-P-0625-S
	6	3	2000	8	1-1/2	26	7-90-VU/CA-P-0630-S
	8	2-1/2	2000	10-1/2	2-1/4	22-1/2	7-90-VU/CA-P-0825-S
	8	3	2000	10-1/2	2-1/4	22-1/4	7-90-VU/CA-P-0830-S
	10	3	2000	12-1/2	2-1/2	31	7-90-VU/CA-P-1030-S
VULKOLLAN™ THICK TREAD / CAST IRON CORE (VU/TT/CA) WHEELS WITH PRECISION BALL BEARINGS							
	6	3	2000	8	1-1/2	26	7-90-VU/TT/CA-P-0630-S
	8	3	2000	10-1/2	2-1/4	22-1/4	7-90-VU/TT/CA-P-0830-S
	10	3	2000	12-1/2	2-1/2	31	7-90-VU/TT/CA-P-1030-S
POLYURETHANE THICK TREAD / CAST IRON CORE (PY/TT//CA) WHEELS WITH ROLLER BEARINGS							
	6	3	2000	8	1-1/2	26	7-90-PY/TT/CA-P-0630-S
	8	3	2000	10-1/2	2-1/4	22-1/4	7-90-PY/TT/CA-P-0830-S
	10	3	2000	12-1/2	2-1/2	31	7-90-PY/TT/CA-P-1030-S
	12	3	2000	15-1/2	3	40	7-90-PY/TT/CA-P-1230-S

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7-90 CASTER SPECIFICATIONS

Wheel Type (Wheel Code)	Diameter (in.)	Width (in.)	Capacity (lbs.)	OAH (in.)	Swivel Lead (in.)	Approx. Wt. (lbs.)	Swivel Part Number Add B, P, PL, R or T*
POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH ROLLER BEARINGS							
	3-1/4	3-1/4	850	5-5/8	2	12	7-90-PY/CA-P-3232-S
	5	2-1/2	1290	7	2-1/4	15	7-90-PY/CA-P-0525-S
	6	2-1/2	1620	8	1-1/2	20-1/2	7-90-PY/CA-P-0625-S
	6	3	2000	8	1-1/2	26	7-90-PY/CA-P-0630-S
	8	2-1/2	2000	10-1/2	2-1/4	22-1/2	7-90-PY/CA-P-0825-S
	8	3	2000	10-1/2	2-1/4	22-1/4	7-90-PY/CA-P-0830-S
	10	3	2000	12-1/2	2-1/2	31	7-90-PY/CA-P-1030-S
	12	2-1/2	2000	15-1/2	3	31-1/2	7-90-PY/CA-P-1225-S
	12	3	2000	15-1/2	3	40	7-90-PY/CA-P-1230-S
POLYURETHANE / ALUMINUM CORE (PY/AL) WHEELS WITH ROLLER BEARINGS							
	4	3-1/4	1200	5-1/2	2	15	7-90-PY/AL-P-0432-S
	8	2-1/2	2000	10-1/2	3	20-1/4	7-90-PY/AL-P-0825-S
	8	3	2000	10-1/2	3	20-1/4	7-90-PY/AL-P-0830-S
	10	2-1/2	2000	12-1/2	3-1/2	24-1/2	7-90-PY/AL-P-1025-S
	10	3	2000	12-1/2	3-1/2	24-1/2	7-90-PY/AL-P-1030-S
X-TREME PLUS SOLID POLYURETHANE (XP) WHEELS WITH PRECISION BEARINGS							
	8	2-1/2	2000	10-1/2	2-1/4	22-1/2	7-90-XP-P-0825-S
	8	3	2000	10-1/2	2-1/4	22-1/4	7-90-XP-P-0830-S
	10	2-1/2	2000	12-1/2	2-1/2	24-1/2	7-90-XP-P-1025-S
	10	3	2000	12-1/2	2-1/2	31	7-90-XP-P-1030-S
**SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS							
	6	3	1900	8	2-1/4	26	7-90-SWE/9/FT-P-0630-S
	8	3	3000	10-1/2	2-1/4	28	7-90-SWE/9/FT-P-0830-S
	10	3	3500	12-1/2	2-1/2	31	7-90-SWE/9/FT-P-1030-S
**SWIVEL-EAZ™ (DUAL-IN-ONE) 80A / FLAT TREAD (SWE/8/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS							
	6	3	1400	8	2-1/4	26	7-90-SWE/8/FT-P-0630-S
	8	3	2300	10-1/2	2-1/4	28	7-90-SWE/8/FT-P-0830-S
	10	3	3500	12-1/2	2-1/2	31	7-90-SWE/8/FT-P-1030-S
**SWIVEL-EAZ™ (DUAL-IN-ONE) 70A / FLAT TREAD (SWE/7/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS							
	6	3	900	8	2-1/4	26	7-90-SWE/7/FT-P-0630-S
	8	3	1400	10-1/2	2-1/4	28	7-90-SWE/7/FT-P-0830-S
	10	3	2200	12-1/2	2-1/2	31	7-90-SWE/7/FT-P-1030-S
**SWIVEL-EAZ™ (DUAL-IN-ONE) 60D / FLAT TREAD (SWE/6/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS							
	6	3	2200	8	2-1/4	26	7-90-SWE/6/FT-P-0630-S
	8	3	3500	10-1/2	2-1/4	28	7-90-SWE/6/FT-P-0830-S
	10	3	3500	12-1/2	2-1/2	31	7-90-SWE/6/FT-P-1030-S
MOLDON RUBBER / CAST IRON CORE (MR/CA) WHEELS WITH ROLLER BEARINGS							
	6	2-1/2	700	8	3	20-1/2	7-90-MR/CA-P-0625-S
	6	3	750	8	3	20-3/4	7-90-MR/CA-P-0630-S
	8	2-1/2	850	10-1/2	3	20-1/4	7-90-MR/CA-P-0825-S
	8	3	900	10-1/2	3	22-1/4	7-90-MR/CA-P-0830-S
	10	2-1/2	950	12-1/2	3-1/2	24-1/2	7-90-MR/CA-P-1025-S
	10	3	1000	12-1/2	3-1/2	25-1/4	7-90-MR/CA-P-1030-S
	12	3	1200	15-1/2	3	30-3/4	7-90-MR/CA-P-1230-S
X-TRA SOFT RUBBER / DONUT TREAD (XSR/DT) WHEELS WITH ROLLER BEARINGS							
	10	2-1/2	950	11-1/2	3-1/2		7-90-XSR/DT-P-1025-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. 7-90-PB-P-0415-S becomes 7-90-PB-P-0415-R)

All Rig Options should be added to the end of the part number. (i.e. 7-90-PB-P-0415-SL for Swivel Lock)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).