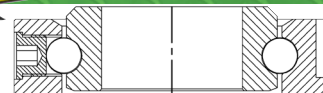




TORNADO KINGPINFREE™ 1,500 LBS SERIES

Available in Stainless Steel (see Tornado9 Series)



FEATURES

KINGPIN: Kingpinfree
RACEWAY: 3 3/8" head diameter; 2 3/8" diameter kingpin raceway, 3/8" ball bearings
BUSHING: Roller bearings with drilled hardened steel spanner bushing and steel side washers

AXLE&NUT: 1/2" zerk axle and lock nut (except with PB)
FINISH: Corrosion resistant bright zinc
LUBRICATION: Grease nipple in race
HARDENED: None
LEGS: 1/4" thick, double welded
LEG SPACING: 2 1/2"

EXCELLENT FOR:

- Abusive Conditions
- Tow lines
- Industrial platform trucks
- Most hardworking industrial functions
- Economical handling of heavy loads where severe abuse is present



OPTIONS:

- SLB Side Locking Brake
- TSB Thumb Screw Brake
- UWB Universal Wheel Brake
- 4PSL 4 Position Swivel Lock without wings (welded)
- 4PSLN 4 position Swivel Lock with wings (dismountable - only available with A38H plate)
- BB Ball Bearing
- BR Bronze Bearing
- DB Delrin Bearing
- NB Nylon Roller Bearing
- PB Precision Ball Bearing
- RBC Caged Roller Bearing
- C Raceway Seal
- OH Special Overall Height
- SSW Steel Side Washer
- SWH Heat-treated Side Washer
- TG Thread Guards

FINISHES:

Inquiries on other finishes welcome

SPECIAL:

Dual leg configuration available



WHEEL		CASTER				PART NUMBER				
Diameter	Tread Width	Capacity Lbs.	Bearing Type	Swivel Radius	Overall Height	Wheel Type	Swivel	Caster Weight (lbs)	Rigid	Caster Weight (lbs)
4"	2"	400	Roller	3 1/4"	5 5/8"	Moldon Alum. Rubber	STO42-***-MAR-RB	5.26	RT042-***-MAR-RB	3.93
		400	Roller			Moldon Rubber	STO42-***-MR-RB	6.76	RT042-***-MR-RB	5.43
		400	Roller			ProTech™ Crown	STO42-***-PRO-RB	4.76	RT042-***-PRO-RB	3.43
		550	Roller			Polyolefin	STO42-***-POX-RB	4.48	RT042-***-POX-RB	3.15
		600	Roller			High Temp. Phenolic (475°)	STO42-***-HTPH-RB	5.47	RT042-***-HTPH-RB	4.14
		700	Roller			Moldon Poly. Urethane	STO42-***-MPU-RB	4.84	RT042-***-MPU-RB	3.51
		700	Roller			Solid Steel	STO42-***-SS-RB	6.66	RT042-***-SS-RB	5.33
		750	Roller			ALThane™	STO42-***-ALT-RB	4.68	RT042-***-ALT-RB	3.35
		800	Roller			Lava™	STO42-***-LV-RB	4.74	RT042-***-LV-RB	3.41
		800	Roller			Moldon Alum. Urethane	STO42-***-MAU-RB	5.06	RT042-***-MAU-RB	3.73
		800	Roller			Phenolic	STO42-***-PH-RB	5.07	RT042-***-PH-RB	3.74
		800	Roller			RollX™	STO42-***-RX-RB	4.69	RT042-***-RX-RB	3.36
		800	Roller			Moldon Urethane	STO42-***-UR-RB	6.36	RT042-***-UR-RB	5.03
		800	Roller			Moldon Urethane Crown	STO42-***-URC-RB	6.48	RT042-***-URC-RB	5.15
		900	Roller			Lava™-WOW	STO42-***-LVW-RB	4.95	RT042-***-LVW-RB	3.62
		900	Precision			ProThane™	STO42-***-PTN-PB	4.99	RT042-***-PTN-PB	3.67
		1,000	Roller			Nyroll™	STO42-***-NYNWB-RB	4.84	RT042-***-NYNWB-RB	3.51
		1,000	Precision			Envirothane™ Grey - PB	STO42-***-UG-PB	4.88	RT042-***-UG-PB	3.55
		1,000	Roller			Envirothane™ Grey-WOW-RB	STO42-***-UGW-RB	4.88	RT042-***-UGW-RB	3.55
		1,000	Roller			V Groove	STO42-***-VG-RB	7.68	RT042-***-VG-RB	6.35
1,400	Roller	RollX™-WOW	STO42-***-RXW-RB	4.95	RT042-***-RXW-RB	3.62				
1,500	Precision	NyRock™	STO42-***-NYX-PB	5.48	RT042-***-NYX-PB	4.16				
5"	2"	350	Ball	4 1/4"	6 1/2"	Alum. Rubber Grey	STO52-***-ARG-BB	6.03	RT052-***-ARG-BB	4.68
		350	Roller			Soft Rubber	STO52-***-SR-RB	6.01	RT052-***-SR-RB	4.66
		425	Roller			ProTech™ Crown	STO52-***-PRO-RB	5.22	RT052-***-PRO-RB	3.87
		450	Roller			Moldon Rubber	STO52-***-MR-RB	6.90	RT052-***-MR-RB	5.55
		500	Roller			Moldon Alum. Rubber	STO52-***-MAR-RB	5.68	RT052-***-MAR-RB	4.33
		650	Roller			Polyolefin	STO52-***-POX-RB	4.73	RT052-***-POX-RB	3.38
		750	Roller			High Temp. Phenolic (475°)	STO52-***-HTPH-RB	5.78	RT052-***-HTPH-RB	4.43
		800	Roller			Lava™	STO52-***-LV-RB	5.07	RT052-***-LV-RB	3.72
		900	Roller			Moldon Poly. Urethane	STO52-***-MPU-RB	5.46	RT052-***-MPU-RB	4.11
		950	Roller			Althane™	STO52-***-ALT-RB	5.08	RT052-***-ALT-RB	3.73
		1,000	Roller			Moldon Alum. Urethane	STO52-***-MAU-RB	5.58	RT052-***-MAU-RB	4.23
		1,000	Roller			Phenolic	STO52-***-PH-RB	5.68	RT052-***-PH-RB	4.33
		1,000	Precision			ProThane™	STO52-***-PTN-PB	5.93	RT052-***-PTN-PB	4.59
		1,000	Roller			RollX™	STO52-***-RX-RB	5.02	RT052-***-RX-RB	3.67
		1,000	Roller			Solid Steel	STO52-***-SS-RB	7.72	RT052-***-SS-RB	6.37
		1,000	Precision			Envirothane™ Grey - PB	STO52-***-UG-PB	5.54	RT052-***-UG-PB	4.19
		1,000	Roller			Envirothane™ Grey-WOW-RB	STO52-***-UGW-RB	5.48	RT052-***-UGW-RB	4.13
		1,100	Roller			Lava™-WOW	STO52-***-LVW-RB	5.38	RT052-***-LVW-RB	4.03
		1,200	Roller			Nyroll™	STO52-***-NYNWB-RB	5.32	RT052-***-NYNWB-RB	3.97
		1,200	Roller			Moldon Urethane	STO52-***-UR-RB	7.52	RT052-***-UR-RB	6.17
1,200	Roller	Moldon Urethane Crown	STO52-***-URC-RB	6.82	RT052-***-URC-RB	5.47				
1,400	Roller	V Groove	STO52-***-VG-RB	8.74	RT052-***-VG-RB	7.39				
1,500	Roller	Ductile Iron Crowned	STO52-***-DIC-RB	8.30	RT052-***-DIC-RB	6.95				
1,500	Precision	NyRock™	STO52-***-NYX-PB	6.20	RT052-***-NYX-PB	4.86				
1,500	Roller	RollX™-WOW	STO52-***-RXW-RB	5.38	RT052-***-RXW-RB	4.03				

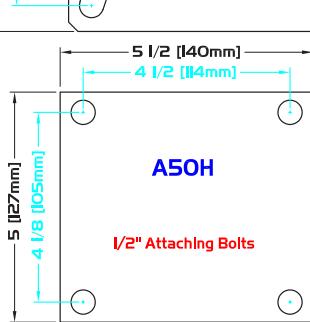
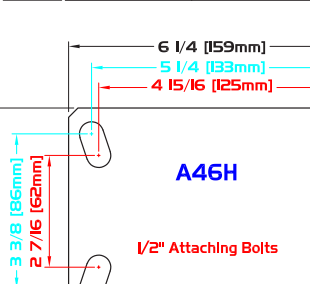
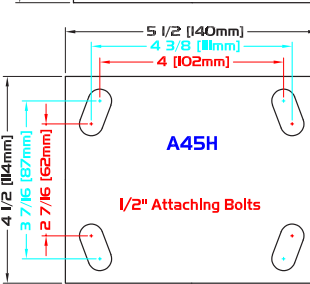
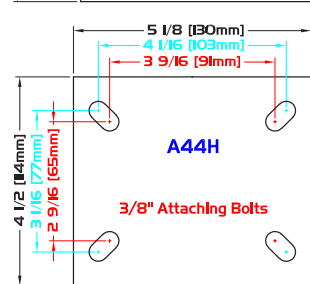
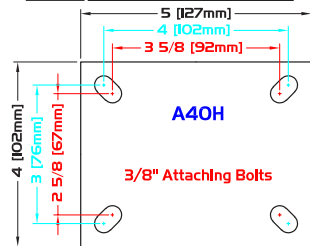
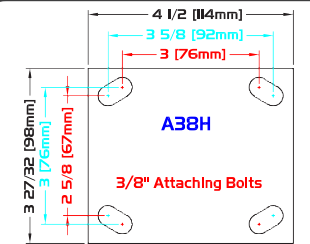
TORNADO

SERIES

STANDARD PLATE: A38H

H - Plate Thickness: 1/4"

PLATE DIAGRAMS



WHEEL

CASTER

PART NUMBER

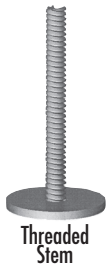
Diameter	Tread Width	Capacity Lbs.	Bearing Type	Swivel Radius	Overall Height	Wheel Type	Swivel	Caster Weight (lbs)	Rigid	Caster Weight (lbs)
6"	2"	275	Precision	4 7/8"	7 1/2"	Flat Free	STO62-***-FFC-PBB	5.61	RTO62-***-FFC-PBB	4.26
		450	Ball			Balloon Cushion Rubber Grey	STO62-***-BARG-BB	6.53	RTO62-***-BARG-BB	5.17
		450	Roller			ProTech™ Crown	STO62-***-PRO-RB	5.68	RTO62-***-PRO-RB	4.32
		500	Roller			Moldon Alum. Rubber	STO62-***-MAR-RB	6.36	RTO62-***-MAR-RB	5.00
		550	Roller			Moldon Rubber	STO62-***-MR-RB	8.04	RTO62-***-MR-RB	6.68
		600	Roller			ProTech™ Flat	STO62-***-PROF-RB	5.68	RTO62-***-PROF-RB	4.32
		800	Roller			Polyolefin	STO62-***-POX-RB	5.05	RTO62-***-POX-RB	3.69
		900	Roller			High Temp. Phenolic (475°)	STO62-***-HTPH-RB	6.74	RTO62-***-HTPH-RB	5.38
		900	Roller			Moldon Poly. Urethane	STO62-***-MPU-RB	6.14	RTO62-***-MPU-RB	4.78
		950	Precision			Envirothane™ Grey Crowned - PB	STO62-***-UGC-PB	6.04	RTO62-***-UGC-PB	4.68
		1,000	Precision			ProThane™	STO62-***-PTN-PB	6.70	RTO62-***-PTN-PB	5.35
		1,100	Roller			Lava™	STO62-***-LV-RB	5.45	RTO62-***-LV-RB	4.09
		1,100	Precision			Envirothane™ Grey - PB	STO62-***-UG-PB	6.09	RTO62-***-UG-PB	4.73
		1,100	Roller			Envirothane™ Grey-WOW-RB	STO62-***-UGW-RB	6.32	RTO62-***-UGW-RB	4.96
		1,150	Roller			AlThane™	STO62-***-ALT-RB	5.79	RTO62-***-ALT-RB	4.43
		1,150	Roller			AlThane™-WOW	STO62-***-ALTWOW-RB	5.79	RTO62-***-ALTWOW-RB	4.43
		1,200	Roller			Lava™-WOW	STO62-***-LVW-RB	5.98	RTO62-***-LVW-RB	3.86
		1,200	Roller			Moldon Alum. Urethane	STO62-***-MAU-RB	6.32	RTO62-***-MAU-RB	4.96
		1,200	Roller			Phenolic	STO62-***-PH-RB	6.64	RTO62-***-PH-RB	5.28
		1,200	Roller			RollX™	STO62-***-RX-RB	5.40	RTO62-***-RX-RB	4.04
1,200	Roller	Solid Steel	STO62-***-SS-RB	9.02	RTO62-***-SS-RB	7.66				
1,200	Roller	Moldon Urethane	STO62-***-UR-RB	8.50	RTO62-***-UR-RB	7.14				
1,250	Roller	Moldon Urethane Crown	STO62-***-URC-RB	7.91	RTO62-***-URC-RB	6.55				
1,400	Roller	Nyroll™	STO62-***-NYNW-RB	5.95	RTO62-***-NYNW-RB	4.59				
1,400	Roller	V Groove	STO62-***-VG-RB	10.14	RTO62-***-VG-RB	8.78				
1,500	Roller	Ductile Iron Crowned	STO62-***-DIC-RB	9.48	RTO62-***-DIC-RB	8.12				
1,500	Precision	NyRock™	STO62-***-NYX-PB	7.10	RTO62-***-NYX-PB	5.75				
1,500	Precision	RollX™-WOW-PB	STO62-***-RXW-PB	6.27	RTO62-***-RXW-PB	4.15				
1,500	Roller	RollX™-WOW	STO62-***-RXW-RB	5.98	RTO62-***-RXW-RB	3.86				
8"	2"	280	Precision	6 1/2"	9 1/2"	Flat Free	STO82-***-FFC-PBB	5.96	RTO82-***-FFC-PBB	4.52
		550	Ball			Balloon Cushion Rubber Grey	STO82-***-BARG-BB	8.38	RTO82-***-BARG-BB	6.93
		600	Roller			Moldon Alum. Rubber	STO82-***-MAR-RB	7.53	RTO82-***-MAR-RB	6.08
		600	Roller			Moldon Rubber	STO82-***-MR-RB	10.15	RTO82-***-MR-RB	8.70
		600	Roller			ProTech™ Crown	STO82-***-PRO-RB	6.84	RTO82-***-PRO-RB	5.39
		675	Roller			ProTech™ Flat	STO82-***-PROF-RB	6.80	RTO82-***-PROF-RB	5.35
		900	Roller			Polyolefin	STO82-***-POX-RB	5.81	RTO82-***-POX-RB	4.36
		1,000	Roller			Moldon Poly. Urethane	STO82-***-MPU-RB	7.00	RTO82-***-MPU-RB	5.55
		1,100	Roller			High Temp Phenolic (475°)	STO82-***-HTPH-RB	8.36	RTO82-***-HTPH-RB	6.91
		1,100	Precision			Envirothane™ Grey Crowned - PB	STO82-***-UGC-PB	7.54	RTO82-***-UGC-PB	6.09
		1,200	Roller			AlThane™	STO82-***-ALT-RB	6.67	RTO82-***-ALT-RB	5.22
		1,200	Roller			Lava™	STO82-***-LV-RB	6.55	RTO82-***-LV-RB	5.10
		1,200	Precision			ProThane™	STO82-***-PTN-PB	8.52	RTO82-***-PTN-PB	7.08
		1,200	Precision			Envirothane™ Grey - PB	STO82-***-UG-PB	7.48	RTO82-***-UG-PB	6.03
		1,200	Roller			Envirothane™ Grey-WOW-RB	STO82-***-UGW-RB	7.61	RTO82-***-UGW-RB	6.16
		1,300	Roller			Lava™-WOW	STO82-***-LVW-RB	6.91	RTO82-***-LVW-RB	5.47
		1,400	Roller			Phenolic	STO82-***-PH-RB	8.27	RTO82-***-PH-RB	6.82
		1,400	Roller			RollX™	STO82-***-RX-RB	6.50	RTO82-***-RX-RB	5.05
		1,400	Roller			Solid Steel	STO82-***-SS-RB	11.71	RTO82-***-SS-RB	10.26
		1,400	Roller			V Groove	STO82-***-VG-RB	13.67	RTO82-***-VG-RB	12.22
1,500	Roller	Moldon Alum. Urethane	STO82-***-MAU-RB	7.71	RTO82-***-MAU-RB	6.26				
1,500	Precision	NyRock™	STO82-***-NYX-PB	9.27	RTO82-***-NYX-PB	7.83				
1,500	Roller	Nyroll™	STO82-***-NYNW-RB	7.12	RTO82-***-NYNW-RB	5.67				
1,500	Roller	RollX™-WOW	STO82-***-RXW-RB	6.91	RTO82-***-RXW-RB	5.47				
1,500	Roller	Moldon Urethane	STO82-***-UR-RB	10.87	RTO82-***-UR-RB	9.42				
1,500	Roller	Moldon Urethane Crown	STO82-***-URC-RB	10.43	RTO82-***-URC-RB	8.98				

* Caster weight based on Standard Plate

STEMS

STANDARD THREADED LENGTH: 4"
 STANDARD ROUND LENGTH: 4"
 STANDARD METRIC LENGTH: 4"

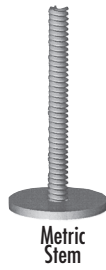
CUSTOM DIAMETERS: any
 STANDARD LENGTHS: any



Threaded Stem



Round Stem



Metric Stem

THREADED STEMS -0.250" [6.35mm] To Std OH

***	DIAMETER	LENGTH	TYPE
1/2-13X4	1/2"	4"	NC
5/8-11X4	5/8"	4"	NC
3/4-10X4	3/4"	4"	NC
7/8-9X4	7/8"	4"	NC
1-8X4	1"	4"	NC

ROUND STEMS -0.250" [6.35mm] To Std OH

***	DIAMETER	LENGTH	TYPE
500 X 4	1/2"	4"	Plain
625 X 4	5/8"	4"	Plain
750 X 4	3/4"	4"	Plain
875 X 4	7/8"	4"	Plain
1.000 X 4	1"	4"	Plain

METRIC STEMS -0.250" [6.35mm] To Std OH

***	DIAMETER	THREAD SIZE	LENGTH
M12-1.75X4	12mm	1.75	4"
M14-2X4	14mm	2.0	4"
M16-2X4	16mm	2.0	4"
M18-2.5X4	18mm	2.5	4"
M20-2.5X4	20mm	2.5	4"
M22-2.5X4	22mm	2.5	4"
M24-3X4	24mm	3.0	4"
M27-3X4	27mm	3.0	4"

BOLT HOLES

BOLT HOLES -0.250" [6.35mm] To Std OH

***	DIAMETER
1/2HOLE	1/2"
5/8HOLE	5/8"
3/4HOLE	3/4"
1HOLE	1"



Bolt Hole

