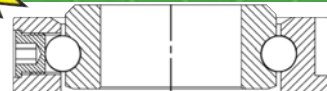




TORNADO9 KINGPINFREE™ 1,500 LBS

SERIES

304 STAINLESS STEEL



FEATURES

- KINGPIN:** Kingpinfree
- RACEWAY:** 3 3/8" head diameter; 2 3/8" diameter kingpin raceway, 3/8" stainless steel ball bearings
- BUSHING:** Stainless steel roller bearings with stainless steel spanner bushing and plastic side washers or stainless steel side washers or complete delrin bearing
- AXLE&NUT:** 1/2" stainless steel axle, lock washer and nut
- FINISH:** 304 Stainless steel corrosion resistant, electro polished and de-magnetized
- LUBRICATION:** Grease nipple in swivel raceway
- HARDENED:** None
- LEGS:** 1/4" thick, double welded
- LEG SPACING:** 2 1/2"

EXCELLENT FOR:

- Bacteria-free environments
 - Abusive Conditions
 - Tow lines
 - Industrial platform trucks
 - Most hardworking industrial functions
 - Economical handling of heavy loads
- where severe abuse is present
- Hospital equipment
 - Pharmaceutical equipment
 - Food equipment
 - Food processing
 - Heavy duty stock carts
 - Moisture friendly environments

OPTIONS:

- SLB Side Locking 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 (NOT Stainless Steel)
- BBSS Stainless Steel Ball Bearing
- BR Bronze Bearing
- DB Delrin Bearing
- PB Precision Ball Bearing (NOT Stainless Steel)
- PBSS Stainless Steel Precision Ball Bearing
- RB Stainless Steel Roller Bearing (only)
- OH Special Overall Height
- TG Thread Guards
- Z Zerk in Wheel

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	STO49-***-MAR-RB	5.76	RTO49-***-MAR-RB	4.43
		400	Roller			ProTech™ Crown	STO49-***-PRO-RB	5.26	RTO49-***-PRO-RB	3.93
		500	Roller			Retort-WOW	STO49-***-RETW-RB	5.36	RTO49-***-RETW-RB	4.04
		550	Roller			Polyolefin	STO49-***-POX-RB	4.98	RTO49-***-POX-RB	3.65
		600	Roller			High Temp. Phenolic (475°)	STO49-***-HTPH-RB	5.97	RTO49-***-HTPH-RB	4.64
		700	Roller			Moldon Poly. Urethane	STO49-***-MPU-RB	5.34	RTO49-***-MPU-RB	4.01
		750	Roller			ALTHANE™	STO49-***-ALT-RB	5.18	RTO49-***-ALT-RB	3.85
		800	Roller			Lava™ (475°)	STO49-***-LV-RB	5.24	RTO49-***-LV-RB	3.91
		800	Roller			Moldon Alum. Urethane	STO49-***-MAU-RB	5.56	RTO49-***-MAU-RB	4.23
		800	Roller			Phenolic	STO49-***-PH-RB	5.57	RTO49-***-PH-RB	4.24
		800	Roller			RollIX™	STO49-***-RX-RB	5.19	RTO49-***-RX-RB	3.86
		850	Roller			304 Stainless	STO49-***-304-RB	11.27	RTO49-***-304-RB	9.94
		850	Roller			V Groove 304	STO49-***-VG304-RB	10.52	RTO49-***-VG304-RB	9.19
		900	Roller			Lava™-WOW (475°)	STO49-***-LVW-RB	5.45	RTO49-***-LVW-RB	4.12
		900	Roller			PurThane™	STO49-***-PTN-PB	5.49	RTO49-***-PTN-PB	4.17
		1,000	Roller			Roller	STO49-***-NYNW-RB	5.34	RTO49-***-NYNW-RB	4.01
		1,000	Roller			Envirothane™	STO49-***-U-RB	5.38	RTO49-***-U-RB	4.05
		1,000	Precision			Envirothane™ Grey - PB	STO49-***-UG-PB	5.38	RTO49-***-UG-PB	4.05
1,000	Roller	Envirothane™ Grey - WOW	STO49-***-UGW-RB	5.38	RTO49-***-UGW-RB	4.05				
1,400	Roller	RollIX™-WOW	STO49-***-RXW-RB	5.45	RTO49-***-RXW-RB	4.12				
1,500	Precision	NyRock™	STO49-***-NYX-PB	5.98	RTO49-***-NYX-PB	4.66				
5"	2"	350	Ball	4 1/4"	6 1/2"	Alum. Rubber Grey	STO59-***-ARG-BB	6.53	RTO59-***-ARG-BB	5.18
		350	Roller			Soft Rubber	STO59-***-SR-RB	6.51	RTO59-***-SR-RB	5.16
		425	Roller			ProTech™ Crown	STO59-***-PRO-RB	5.72	RTO59-***-PRO-RB	4.37
		500	Roller			Moldon Alum. Rubber	STO59-***-MAR-RB	6.18	RTO59-***-MAR-RB	4.83
		650	Roller			Polyolefin	STO59-***-POX-RB	5.23	RTO59-***-POX-RB	3.88
		650	Roller			Retort-WOW	STO59-***-RETW-RB	5.91	RTO59-***-RETW-RB	4.57
		750	Roller			High Temp. Phenolic (475°)	STO59-***-HTPH-RB	6.28	RTO59-***-HTPH-RB	4.93
		800	Roller			Lava™ (475°)	STO59-***-LV-RB	5.57	RTO59-***-LV-RB	4.22
		900	Roller			Moldon Poly. Urethane	STO59-***-MPU-RB	5.96	RTO59-***-MPU-RB	4.61
		950	Roller			304 Stainless	STO59-***-304-RB	14.53	RTO59-***-304-RB	13.18
		950	Roller			ALTHANE™	STO59-***-ALT-RB	5.58	RTO59-***-ALT-RB	4.23
		950	Roller			V Groove 304	STO59-***-VG304-RB	15.48	RTO59-***-VG304-RB	14.13
		1,000	Roller			Moldon Alum. Urethane	STO59-***-MAU-RB	6.08	RTO59-***-MAU-RB	4.73
		1,000	Roller			Phenolic	STO59-***-PH-RB	6.18	RTO59-***-PH-RB	4.83
		1,000	Precision			PurThane™	STO59-***-PTN-PB	6.43	RTO59-***-PTN-PB	5.09
		1,000	Roller			RollIX™	STO59-***-RX-RB	5.52	RTO59-***-RX-RB	4.17
		1,000	Roller			Envirothane™	STO59-***-U-RB	5.98	RTO59-***-U-RB	4.63
		1,000	Precision			Envirothane™ Grey - PB	STO59-***-UG-PB	6.04	RTO59-***-UG-PB	4.69
1,000	Roller	Envirothane™ Grey - WOW	STO59-***-UGW-RB	5.98	RTO59-***-UGW-RB	4.63				
1,100	Roller	Lava™-WOW (475°)	STO59-***-LVW-RB	5.88	RTO59-***-LVW-RB	4.53				
1,200	Roller	Nyroll™	STO59-***-NYNW-RB	5.82	RTO59-***-NYNW-RB	4.47				
1,500	Precision	NyRock™	STO59-***-NYX-PB	6.70	RTO59-***-NYX-PB	5.36				
1,500	Roller	RollIX™-WOW	STO59-***-RXW-RB	5.88	RTO59-***-RXW-RB	4.53				

* Caster weight based on Standard Plate



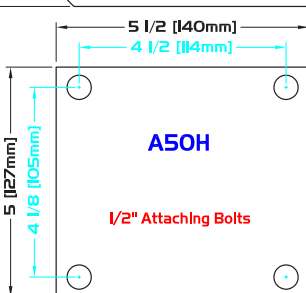
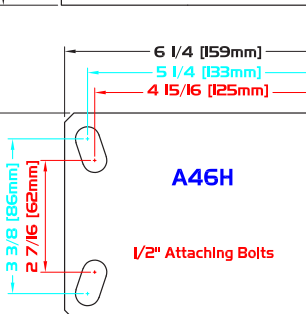
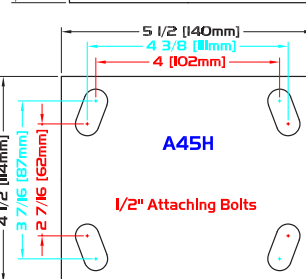
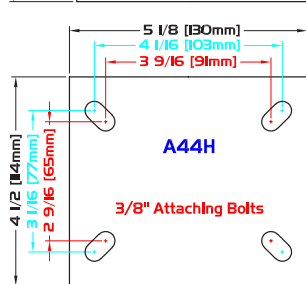
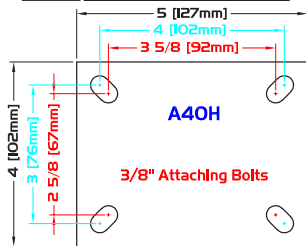
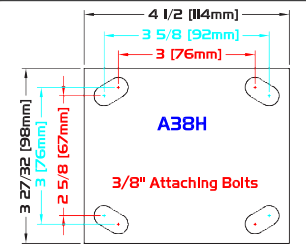
TORNADO9™

SERIES

STANDARD PLATE: A38H

H - Plate Thickness: 1/4"

PLATE DIAGRAMS



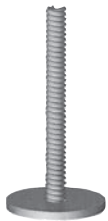
WHEEL		CASTER				PART NUMBER					
Diameter	Tread Width	Capacity Lbs.	Bearing Type	Swivel Radius	Overall Height	Wheel Type	Swivel	Caster Weight (lbs)	Rigid	Caster Weight (lbs)	
6"	2"	450	Ball	4 7/8"	7 1/2"	Balloon Cushion Rubber Grey	STO69-***-BARG-BB	7.03	RTO69-***-BARG-BB	5.67	
		450	Roller			ProTech™ Crown	STO69-***-PRO-RB	6.18	RTO69-***-PRO-RB	4.82	
		500	Roller			Moldon Alum. Rubber	STO69-***-MAR-RB	6.86	RTO69-***-MAR-RB	5.50	
		600	Roller			ProTech™ Flat	STO69-***-PROF-RB	6.18	RTO69-***-PROF-RB	4.82	
		700	Roller			Retort-WOW	STO69-***-RETW-RB	6.32	RTO69-***-RETW-RB	4.97	
		800	Roller			Polyolefin	STO69-***-POX-RB	5.55	RTO69-***-POX-RB	4.19	
		900	Roller			High Temp. Phenolic (475°)	STO69-***-HTPH-RB	7.24	RTO69-***-HTPH-RB	5.88	
		900	Roller			Moldon Poly. Urethane	STO69-***-MPU-RB	6.64	RTO69-***-MPU-RB	5.28	
		950	Precision			Envirothane™ Grey Crowned - PB	STO69-***-UGC-PB	6.54	RTO69-***-UGC-PB	5.18	
		1,000	Precision			PurThane™	STO69-***-PTN-PB	7.20	RTO69-***-PTN-PB	5.85	
		1,100	Roller			Lava™ (475°)	STO69-***-LV-RB	5.95	RTO69-***-LV-RB	4.59	
		1,100	Roller			Envirothane™	STO69-***-U-RB	6.82	RTO69-***-U-RB	5.46	
		1,100	Precision			Envirothane™ Grey - PB	STO69-***-UG-PB	6.59	RTO69-***-UG-PB	5.23	
		1,100	Roller			Envirothane™ Grey - WOW	STO69-***-UGW-RB	6.82	RTO69-***-UGW-RB	5.46	
		1,150	Roller			ALThane™	STO69-***-ALT-RB	6.29	RTO69-***-ALT-RB	4.93	
		1,150	Roller			ALThane™-WOW	STO69-***-ALTWOW-RB	6.29	RTO69-***-ALTWOW-RB	4.93	
		1,200	Roller			304 Stainless	STO69-***-304-RB	20.61	RTO69-***-304-RB	19.25	
		1,200	Roller			Lava™-WOW (475°)	STO69-***-LVW-RB	6.48	RTO69-***-LVW-RB	4.36	
		1,200	Roller			Moldon Alum. Urethane	STO69-***-MAU-RB	6.82	RTO69-***-MAU-RB	5.46	
		1,200	Roller			Phenolic	STO69-***-PH-RB	7.14	RTO69-***-PH-RB	5.78	
1,200	Roller	RollX™	STO69-***-RX-RB	5.90	RTO69-***-RX-RB	4.54					
1,200	Roller	V Groove 304	STO69-***-VG304-RB	19.49	RTO69-***-VG304-RB	18.13					
1,400	Roller	Nyroll™	STO69-***-NYNW-RB	6.45	RTO69-***-NYNW-RB	5.09					
1,500	Precision	NyRock™	STO69-***-NYX-PB	7.60	RTO69-***-NYX-PB	6.25					
1,500	Precision	RollX™-WOW-PB	STO69-***-RXW-PB	6.77	RTO69-***-RXW-PB	4.65					
1,500	Roller	RollX™-WOW	STO69-***-RXW-RB	6.48	RTO69-***-RXW-RB	4.36					
8"	2"	550	Ball	6 1/2"	9 1/2"	Balloon Cushion Rubber Grey	STO89-***-BARG-BB	8.88	RTO89-***-BARG-BB	7.43	
		600	Roller			Moldon Alum. Rubber	STO89-***-MAR-RB	8.03	RTO89-***-MAR-RB	6.58	
		600	Roller			ProTech™ Crown	STO89-***-PRO-RB	7.34	RTO89-***-PRO-RB	5.89	
		675	Roller			ProTech™ Flat	STO89-***-PROF-RB	7.30	RTO89-***-PROF-RB	5.85	
		900	Roller			Polyolefin	STO89-***-POX-RB	6.31	RTO89-***-POX-RB	4.86	
		900	Roller			Retort-WOW	STO89-***-RETW-RB	6.80	RTO89-***-RETW-RB	5.36	
		1,000	Roller			Moldon Poly. Urethane	STO89-***-MPU-RB	7.50	RTO89-***-MPU-RB	6.06	
		1,100	Roller			High Temp Phenolic (475°)	STO89-***-HTPH-RB	8.86	RTO89-***-HTPH-RB	7.41	
		1,100	Precision			Envirothane™ Grey Crowned - PB	STO89-***-UGC-PB	8.04	RTO89-***-UGC-PB	6.59	
		1,200	Roller			ALThane™	STO89-***-ALT-RB	7.17	RTO89-***-ALT-RB	5.72	
		1,200	Roller			Lava™ (475°)	STO89-***-LV-RB	7.05	RTO89-***-LV-RB	5.60	
		1,200	Precision			PurThane™	STO89-***-PTN-PB	9.02	RTO89-***-PTN-PB	7.58	
		1,200	Roller			Envirothane™	STO89-***-U-RB	8.11	RTO89-***-U-RB	6.66	
		1,200	Precision			Envirothane™ Grey - PB	STO89-***-UG-PB	7.98	RTO89-***-UG-PB	6.53	
		1,200	Roller			Envirothane™ Grey - WOW	STO89-***-UGW-RB	8.11	RTO89-***-UGW-RB	6.66	
		1,300	Roller			Lava™-WOW (475°)	STO89-***-LVW-RB	7.41	RTO89-***-LVW-RB	5.97	
		1,400	Roller			Phenolic	STO89-***-PH-RB	8.77	RTO89-***-PH-RB	7.32	
		1,400	Roller			RollX™	STO89-***-RX-RB	7.00	RTO89-***-RX-RB	5.55	
		1,500	Roller			304 Stainless	STO89-***-304-RB	33.64	RTO89-***-304-RB	32.19	
		1,500	Roller			Moldon Alum. Urethane	STO89-***-MAU-RB	8.21	RTO89-***-MAU-RB	6.76	
1,500	Precision	NyRock™	STO89-***-NYX-PB	9.77	RTO89-***-NYX-PB	8.33					
1,500	Roller	Nyroll™	STO89-***-NYNW-RB	7.62	RTO89-***-NYNW-RB	6.17					
1,500	Roller	RollX™-WOW	STO89-***-RXW-RB	7.41	RTO89-***-RXW-RB	5.97					
1,500	Roller	V Groove 304	STO89-***-VG304-RB	32.17	RTO89-***-VG304-RB	30.72					

* 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

