www.kccaster.co.kr

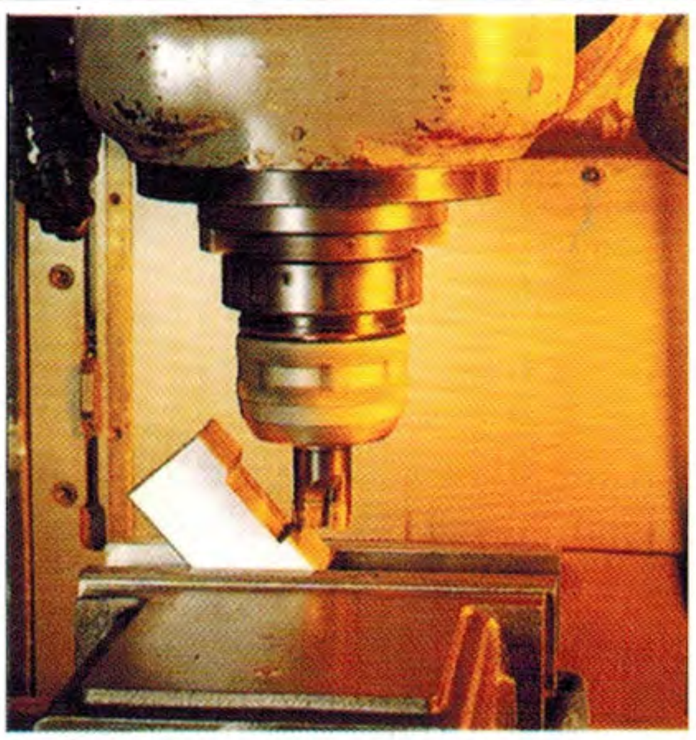
P.P.I

CASTERS

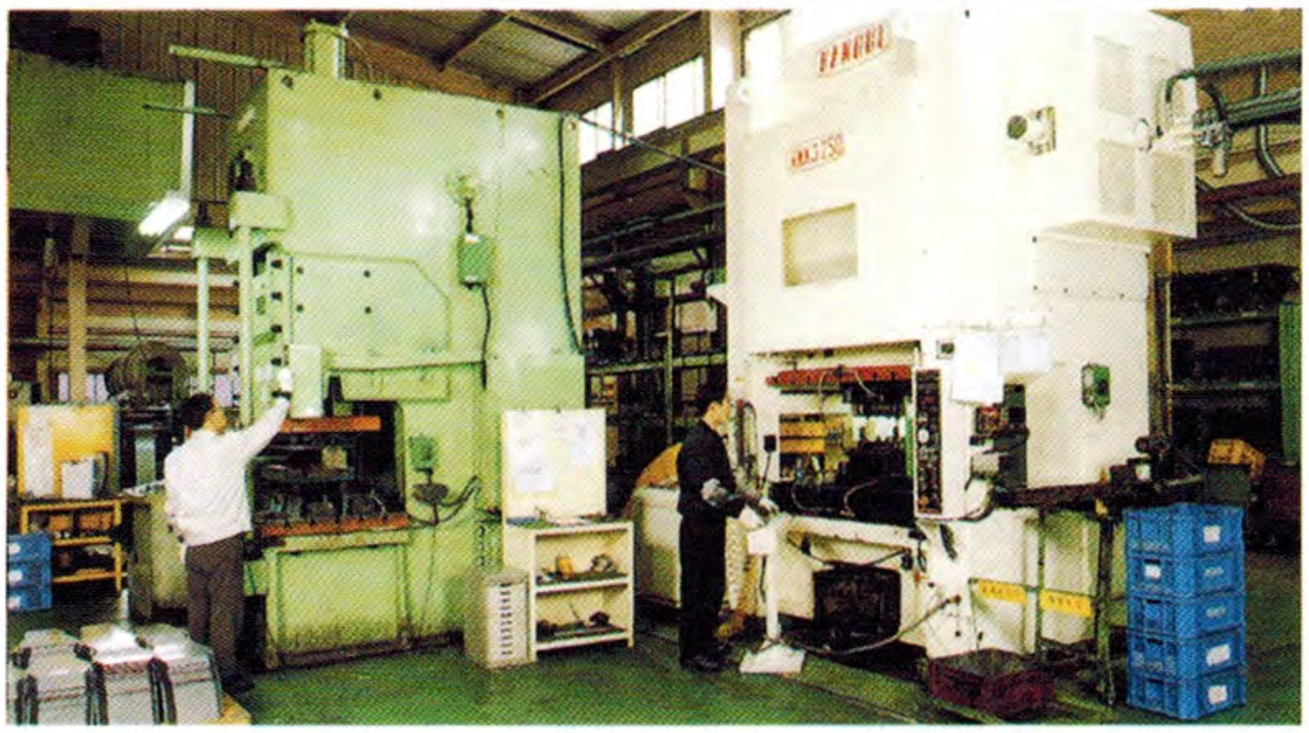


PPI CASTERS, INC

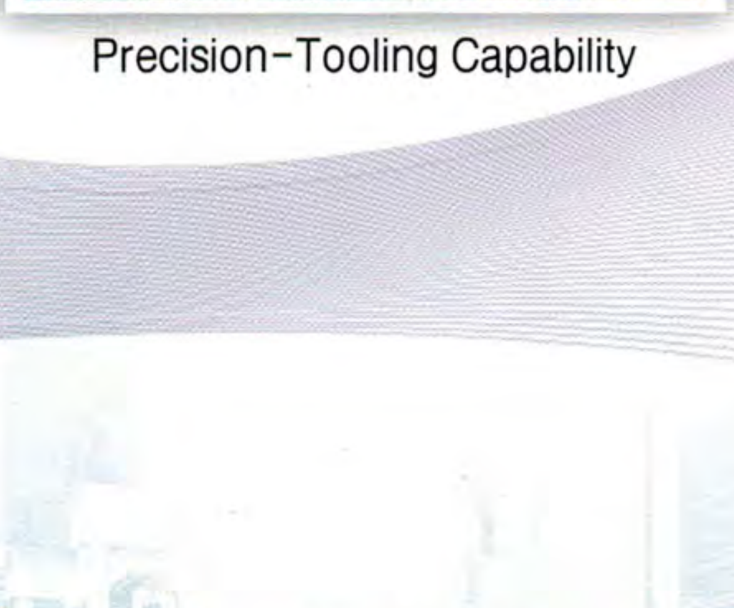
MANUFACTURE PROCESS



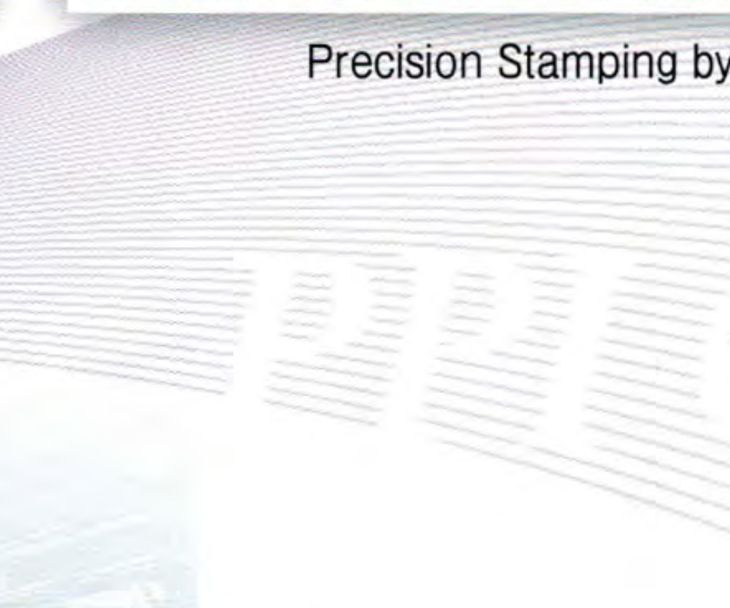
Precision-Tooling Capability



Precision Stamping by Advanced Equipment



Robotic Welding



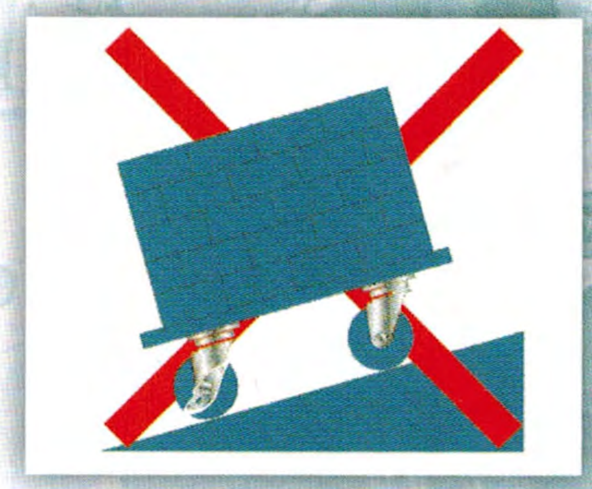
Automatic Assembly Process



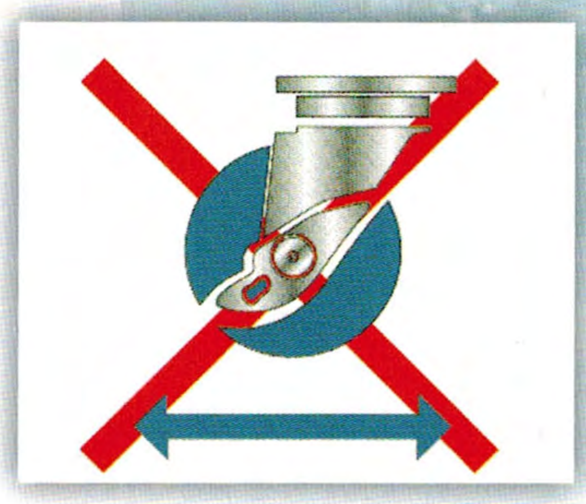
Fly-Wheel Test

USAGE WARNING

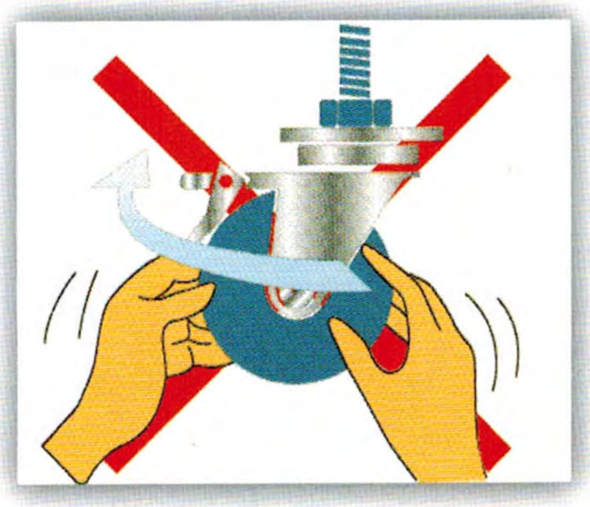












PPI CASTER NUMBERING SYSTEM

10	11	S	A1	SR
SERIES	WHEEL DIAMETER	CASTER TYPE	FASTENING TYPE	WHEEL TYPE

10 SERIES

- 10 GENERAL DUTY
- 11 GENERAL DUTY
- 12 LIGHT MEDIUM DUTY
- 20 LIGHT MEDIUM DUTY
- 21 LIGHT MEDIUM DUTY
- 22 LIGHT DUTY
- 23 LIGHT DUTY
- 24 PIANO
- 25 LIGHT MEDIUM DUTY
- 26 LIGHT MEDIUM DUTY
- 27 SHOP'G CART
- 28 SUPREME LOCK
- 30 BUSINESS MACHINE
- 31 MEDIUM DUTY
- 40 MEDIUM HEAVY DUTY
- 41 MEDIUM HEAVY DUTY
- 42 HEAVY DUTY
- 44 MEDIUM HEAVY DUTY
- 45 PNEUMATIC
- 50 SUPER HEAVY DUTY
- 51 SUPER HEAVY DUTY
- 53 SUPER HEAVY DUTY
- 80 LEVELER
- 94 SHOCK ABSORBER
- 95 NOISE- FREE SHOCK ABSORBER

11 WHEEL DIAMETER

- 11 : 1.1"
- 15 : 1.5"
- 20 : 2.0"
- 25 : 2.5"
- 30 : 3.0"
- 35 : 3.5"
- 40 : 4.0"
- 50 : 5.0"
- 80 : 8.0"
- 10 : 10.0"
- 12 : 12.0"

S CASTER TYPE

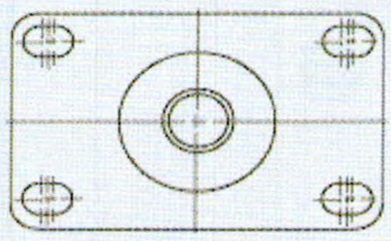
- S : SWIVEL
- R : RIGID

A1 FASTENING TYPE

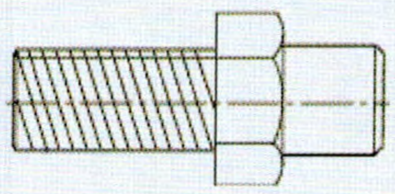
- A * : TOP PLATE
- B * : THREADED STEM
- C * : SQUARE STEM
- D * : GRIP RING STEM
- E * : ROUND STEM
- F * : OCTAGON STEM

FASTENING TYPE

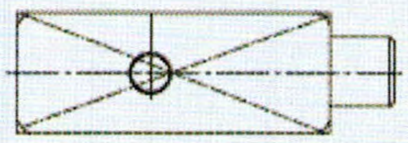
A TOP PLATE



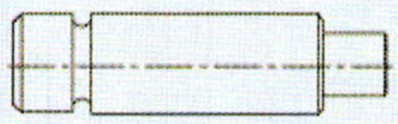
B THREADED STEM



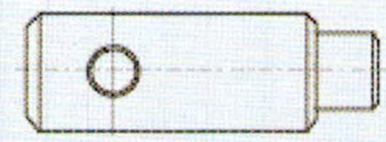
C SQUARE STEM



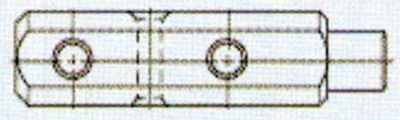
D GRIP RING STEM



E ROUND STEM



F OCTAGON STEM



SR WHEEL TYPE

- SR : SOFT RUBBER
- SBB: SOFT RUBBER WITH BALL BEARING
- HR : HARD RUBBER
- HBB: HARD RUBBER WITH BALL BEARING
- RA : GRAY RUBBER TREAD ALUMINUM CORE
- RC : RUBBER TREAD CAST IRON CORE
- PC : POLYURETHANE TREAD CAST IRON CORE
- PB : POLYURETHANE TREAD PLASTIC CORE WITH BALL BEARING
- LP : LIGHT DUTY PLASTIC
- HP : HEAVY DUTY PLASTIC
- PU : POLYURETHANE TREAD PLASTIC CORE
- SS : STEEL
- PR : PLASTIC CORE RUBBER TREAD
- INF : INFINITI
- NYL: NYLON
- PS : POLYURETHANE TREAD STEEL DISK CORE
- RS : RUBBER TREAD STEEL DISK CORE
- PH : PHENOLIC
- PN : PNEUMATIC
- VG : V-GROOVED

TB-TG

ACCESSORIES

TB : TOP LOCK BRAKE

SB : SIDE LOCK BRAKE

SPL : SUPREME LOCK (LOCK WHEEL & SWIVEL)

CP : CHROME PLATING

SWL : 4 POSTION SWIVEL LOCK

BP : BRASS PLATING

BO : BLACK OXIDE PLATING

TG : THREAD GUARD

DW : DOUBLE WELD

ZA : ZERK AXLE

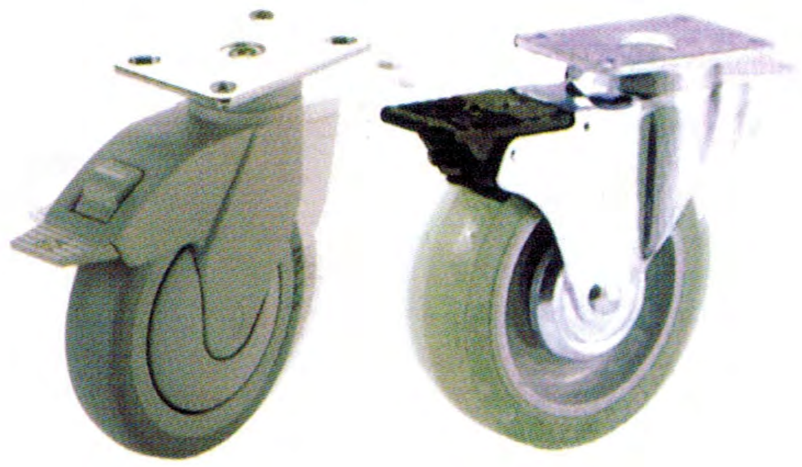
SL : SEALED SWIVEL

SO : SHORT OFFSET

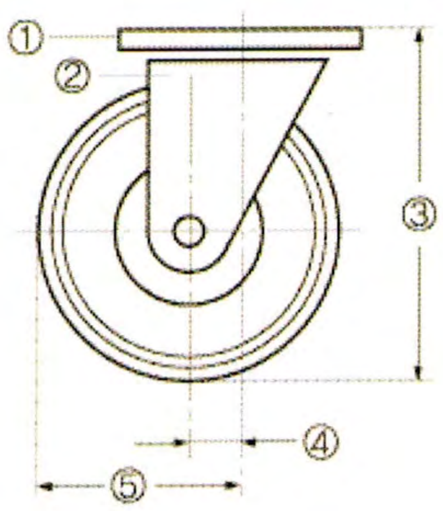
BB : BALL BEARING

STS : STAINLESS STEEL

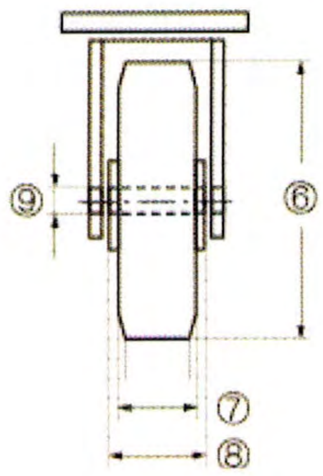
ELB : EASY LOCK BRAKE



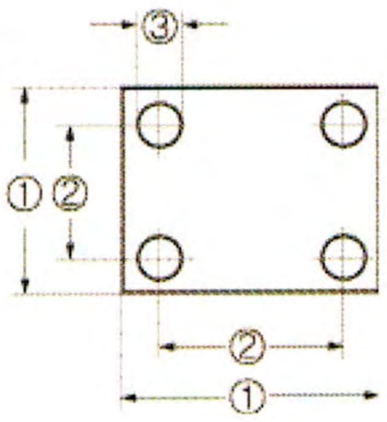
CASTER NOMENCLATURE



- ☐ PLATE
- ☐ YOKE
- ☐ OVERALL HEIGHT
- ☐ OFFSET
- ☐ SWIVEL RADIUS



- ☐ WHEEL DIAMETER
- ☐ TREAD WIDTH
- ☐ HUB WIDTH
- ☐ AXLE HOLE



- ☐ OVERALL
- ☐ BOLT HOLE SPACING
- ☐ ATTACHING BOLT

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PARTS & ACCESSORIES

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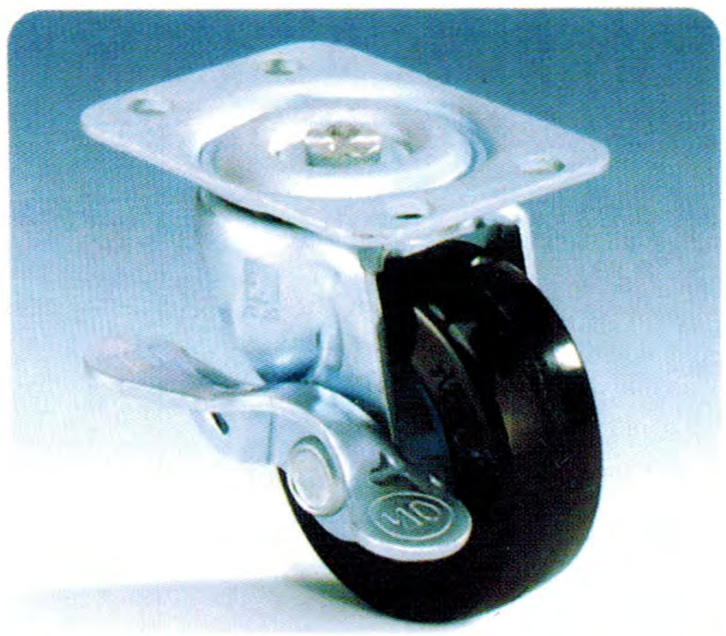
LIGHT DUTY

CASTER

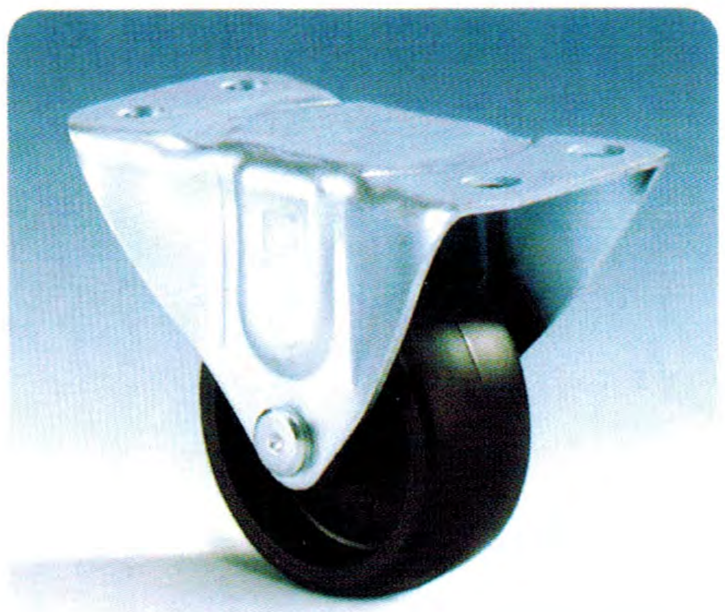
Light Duty
Caster

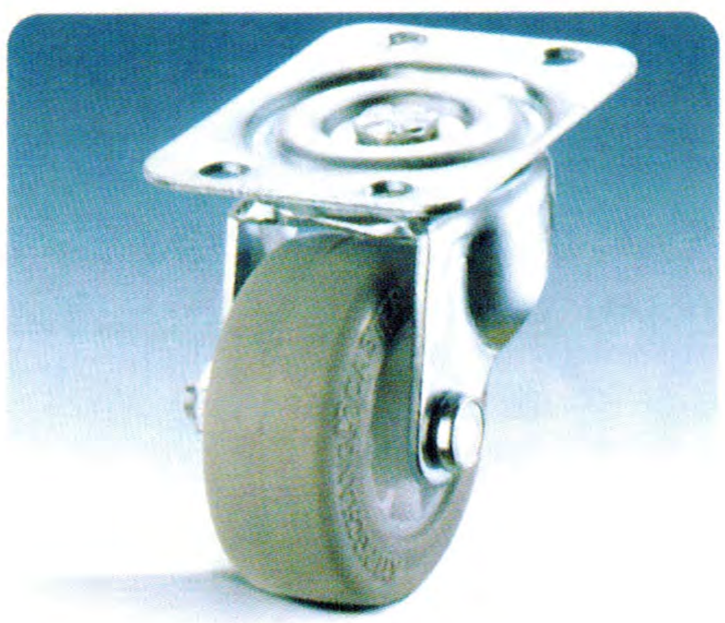
NSF®

10 SERIES GENERAL DUTY CASTERS

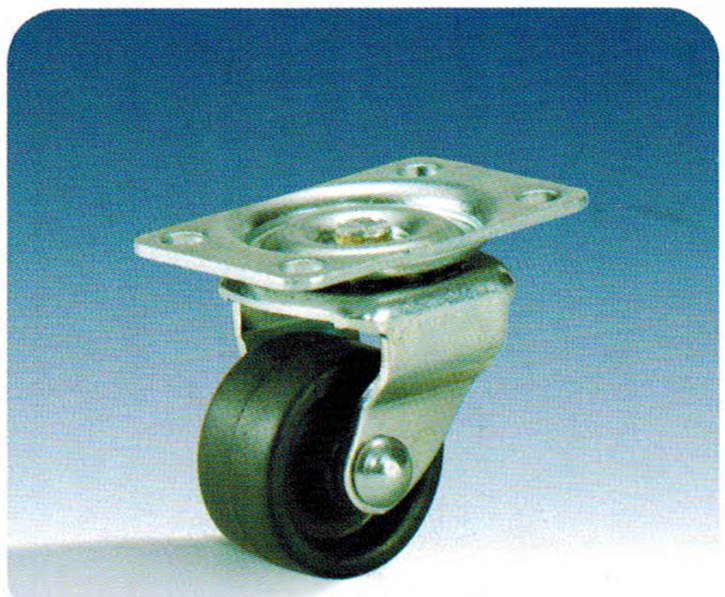








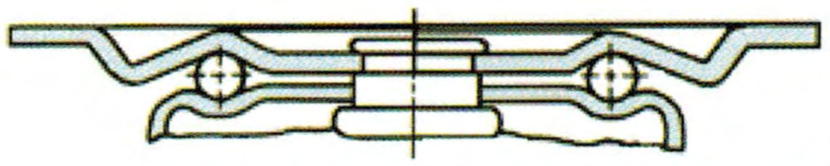




■Features

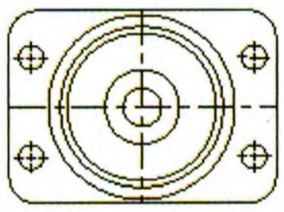
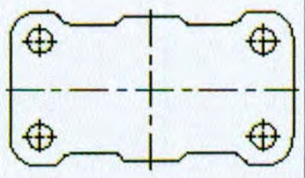
- Deeply embossed, formed steel top plate and yoke.
- Single row ball bearing swivel raceway.
- Corrosion–resistant zinc plated finish.
- Simple side locking brake system.

- **APPLICATIONS:**
  Widely used in factories and warehouses on furniture dollies, platform trucks,etc.



■ FASTENING SPECIFICATIONS FOR 10 SERIES

Unit : inch

CASTER PART NO	WHEEL SIZE	FASTENING TYPE	FASTENING SHAPE	CODE NO	FASTNING SPECIFICATION		
					OVERALL SIZE	BOLT HOLE SPACING	BOLT SIZE
	SWIVEL						
10 11 S	1–1/8	TOP PLATE		A1	1–3/16×1–25/32	25/32×1–3/8	3/16
10 20 S	2				1–7/8×2–9/16	15/16×2–1/8	1/4
10 25 S	2–1/2				2–3/4×3–27/32	1–3/4×3	5/16
10 30 S	3				3–1/8×4–1/16	2–3/8×3–11/32 to 3–7/16	5/16
10 40 S	4				4×5–1/18	3×4	3/8
	RIGID						
10 20 R	2	TOP PLATE		A1	1–1/2×2–21/32	15/16×2–1/8	1/4
10 25 R	2–1/2				2–1/4×4–7/16	1–1/16×3–1/2	5/16
10 30 R	3				2–1/2×4–7/8	1–3/16×3–7/8 to 4	5/16
10 40 R	4				2–3/4×6	1–3/4×4–15/16 to 5	3/8

10 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
10 11 S A1 LP	-	1-1/8	9/16	Light Duty Plastic	Plain	3/16	1-9/16	7/8	35
10 20 S A1 SR	10 20 R A1 SR	2	15/16	Soft Rubber	Nylon	1/4	2-7/16	1-3/4	90
10 20 S A1 HR	10 20 R A1 HR			Hard Rubber	Nylon				125
10 20 S A1 LP	10 20 R A1 LP			Light Duty Plastic	Plain				125
10 20 S A1 PU	10 20 R A1 PU			Polyurethane	Plain				125
10 20 S A1 SS	10 20 R A1 SS			Steel	Plain				125
10 20 S A1 INF	10 20 R A1 INF								
10 25 S A1 SR	10 25 R A1 SR	2-1/2	1-1/8	Soft Rubber	Nylon	5/16	3-1/4	2-3/8	100
10 25 S A1 HR	10 25 R A1 HR			Hard Rubber	Nylon				200
10 25 S A1 LP	10 25 R A1 LP			Light Duty Plastic	Plain				175
10 25 S A1 PU	10 25 R A1 PU			Polyurethane	Plain				175
10 25 S A1 SS	10 25 R A1 SS			Steel	Plain				200
10 25 S A1 INF	10 25 R A1 INF								
10 30 S A1 SR	10 30 R A1 SR	3	1-1/4	Soft Rubber	Nylon	3/8	3-13/16	2-7/16	125
10 30 S A1 SBB	10 30 R A1 SBB			Soft Rubber	Ball				125
10 30 S A1 HR	10 30 R A1 HR			Hard Rubber	Nylon				220
10 30 S A1 HBB	10 30 R A1 HBB			Hard Rubber	Ball				220
10 30 S A1 LP	10 30 R A1 LP			Light Duty Plastic	Plain				220
10 30 S A1 HP	10 30 R A1 HP			Heavy Duty Plastic	Plain				250
10 30 S A1 PU	10 30 R A1 PU			Polyurethane	Plain				220
10 30 S A1 PB	10 30 R A1 PB			Polyurethane	Ball				220
10 30 S A1 SS	10 30 R A1 SS			Steel	Plain				250
10 30 S A1 INF	10 30 R A1 INF			Infiniti	Annular				225
10 40 S A1 SR	10 40 R A1 SR	4	1-1/2	Soft Rubber	Nylon	7/16	5	3-1/4	200
10 40 S A1 HR	10 40 R A1 HR			Hard Rubber	Nylon				300
10 40 S A1 SS	10 40 R A1 SS			Steel	Plain				300
10 40 S A1 HP	10 40 R A1 HP			Heavy Duty Plastic	Plain				300

ACCESSORIES OPTIONS FOR 10 SERIES

ACCESSORIES CODE	DESCRIPTION
SB	Side Lock Brake (SR, HR, PU only)
SO	Short offset(3"is standard)
TG	Thread Guard (3"SBB, HBB and PB only)
BO	Black Oxide Plating
BP	Brass Plating
CP	Chrome Plating
NI	Nickel Plating

11 SERIES GENERAL DUTY CASTERS

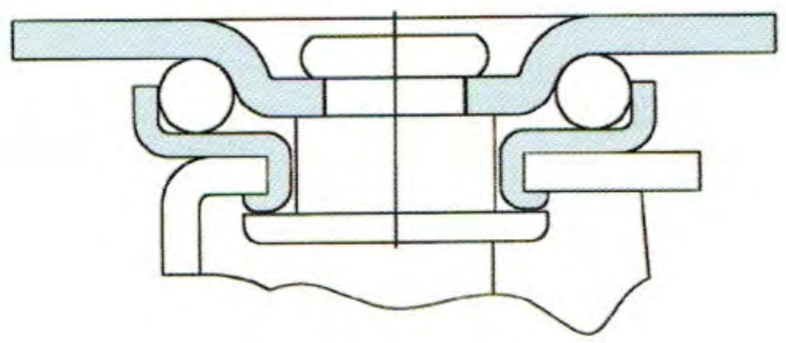






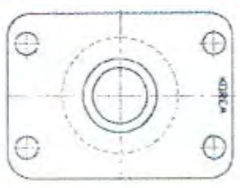
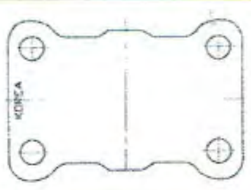
■Features

- Injection molded nylon.
- Zinc plated.
- APPLICATIONS:
  Refrigerator, Showcase.



■FASTENING SPECIFICATIONS FOR 11 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overallsize Bolt Hole Spacing Attaching Bolt Size	1-7/8×2-9/16 1-3/16×2-1/8 1/4
			Overallsize Bolt Hole Spacing Attaching Bolt Size	1-7/8×2-9/16 1-3/16×2-1/8 1/4

■11 SERIES SPECIFICATIONS

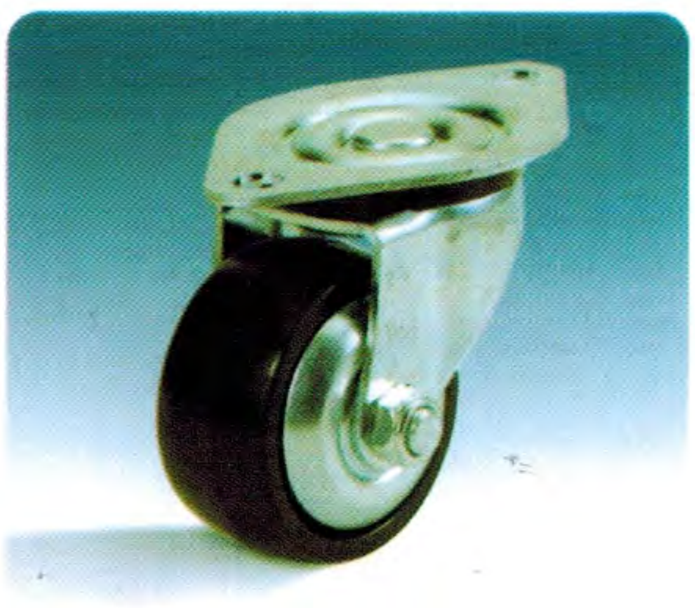
Unit : inch,Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
1115 S A1 NYL	1115 R A1 NYL	1-1/2	1	Nylon	Plain	3/16	2-3/8	1-3/8	275

LIGHT MEDIUM DUTY CASTERS (FIBER CAN CASTER) 12 SERIES



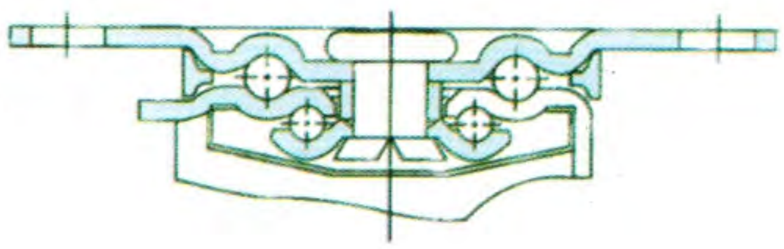




■Features

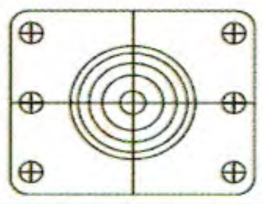
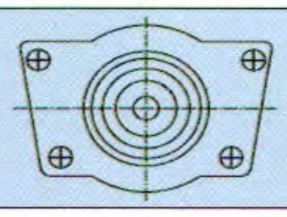
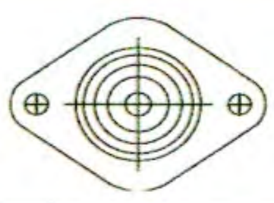
- Deeply embossed, formed steel top plate and yoke.
- Double row ball bearing swivel raceway construction.
- Corrosion–resistant zinc plated finish.
- Hardened Raceway Yoke.

- APPLICATIONS:
  Widely used in factories and Air Baggage Handing, warehaouse on furniture dollies, platform trucks, and Small Parcel Pkg Coveyors, etc.
  Conveyor Systems.



■FASTENING SPECIFICATIONS FOR 12 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	CODE NO	FASTNING SPECIFICATION
TOP PLATE		A1	Overall Size 3–1/8×4–1/8 Bolt Hole Spacing 2–3/8×3–13/32, 3–1/2 on center Attaching Bolt Size 5/16 & 3/8
TRAPEZOID		A2	Overall Size 2–13/64×3–11/32×4–3/32 Bolt Hole Spacing 1–9/16×2–3/4×3–15/32 Attaching Bolt Size 5/16
DIAMOND		A3	Overall Size 3×4–7/16 Bolt Hole Spacing 3–1/2 on center Attaching Bolt Size 3/8

■12 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER	WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
12 25S ** HBB TG 12 30S ** HBB TG	2–1/2 3	1–1/4	Hard Rubber Hard Rubber	Ball Ball	3/8	3–1/4 3–25/32	2–3/8 2–5/8	150 165

■ACCESSORIES OPTIONS FOR 12 SERIES

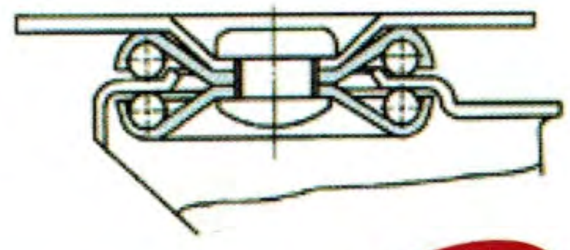
ACCESSORIES CODE	DESCRIPTION
BP	Brass Plating
CP	Chrome Plating

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20 SERIES LIGHT-MEDIUM DUTY CASTERS

■Features

- Heavily embossed, formed steel double cup.
- Double row ball bearing swivel raceway construction.
- Finish:Bright zinc or chrome.
- Octa Top Raceway is available.
- APPLICATIONS:
  Stock carts, bakery racks,
  food service equipment, etc.



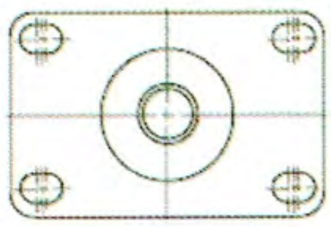
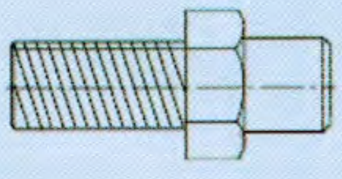
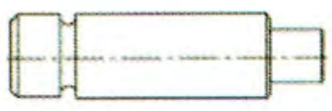
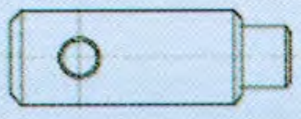
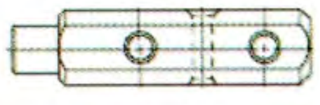






■ FASTENING SPECIFICATIONS FOR 20 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 2-3/8×3-5/8 Bolt Hole Spacing 1-3/4×2-11/16 to 2-15/16 Attaching Bolt Size 5/16
		A2	Overall Size 3-1/8×4-1/8 Bolt Hole Spacing 1-3/4×2-15/16 to 2-3/8×3-3/8 Attaching Bolt Size 3/8
		A3	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3-5/8 to 3×3 Attaching Bolt Size 3/8
THREADED STEM		B1	1/2×UNC13×1
		B2	1/2×UNC13×1-1/2
		B3	5/8×UNC11×1-1/4
		B4	1/2×UNC13×2
		B5	1/2×UNC20×3
		B6	7/16×UNC14×7/8
		B7	1/2×UNC13×2-1/2 Can be used with Exp Applicator
		B8	7/16×UNC14×1-1/2
		B9	1/2×UNC13×3
		B11	1/2×UNC13×3/4
		B16	5/8×UNC11×1-1/2
		B17	3/4×UNC10×1-1/2
		B18	3/4×UNC10×1
GRIP RING STEM		D1	7/16×1-1/2
		D2	27/32×2-1/2
ROUND STEM		E1	7/8×2-3/32 – with 5/16 Cross Drilled hole 1-1/8 from top of the uppper cup.
		E2	1×2-1/4 – with 5/16 Cross Drilled hole 1-7/16 from top of the uppper raceway.
		E3	1×2-1/2(Ø3/8") – with 3/8 Cross Drilled hole 1-7/64 from top of the uppper raceway.
OCTAGON STEM		F1	27/32×2-7/16 – with 1/4 Cross Drilled hole located @1/2, 1-1/8, 1-3/4 from top of raceway

20 SERIES SPECIFICATIONS

Unit : inch , Lbs

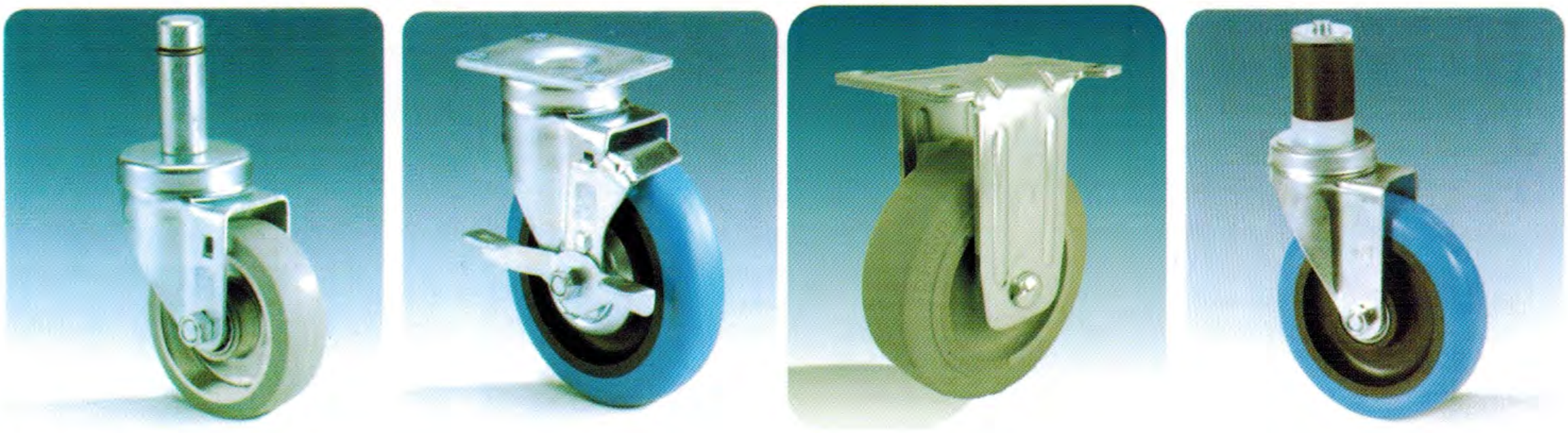
CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
20 30 S ** SR	20 30R ** SR	3	1-1/4	Soft Rubber	Nylon	3/8	4-1/4	3	125
20 30 S ** SBB	20 30R ** SBB			Soft Rubber	Ball				125
20 30 S ** HR	20 30R ** HR			Hard Rubber	Nylon				220
20 30 S ** HBB	20 30R ** HBB			Hard Rubber	Ball				220
20 30 S ** LP	20 30R ** LP			Light Duty Plastic	Plain				220
20 30 S ** HP	20 30R ** HP			Heavy Duty Plastic	Plain				275
20 30 S ** PU	20 30R ** PU			Polyurethane	Plain				220
20 30 S ** PB	20 30R ** PB			Polyurethane	Ball/Delrin				240
20 30 S ** INF	20 30R ** INF			Infiniti	Annular/Delrin				220
20 30 S ** PH	20 30R ** PH			Phenolic	Steel Bushing				250
20 30 S ** SS	20 30R ** SS			Steel	Plain				250
20 35 S ** SR	20 35R ** SR	3-1/2	1-1/4	Soft Rubber	Nylon	3/8	4-1/2	3	130
20 35 S ** HR	20 35R ** HR			Hard Rubber	Nylon				225
20 35 S ** HP	20 35R ** HP			Heavy Duty Plastic	Plain				300
20 35 S ** PB	20 35R ** PB			Polyurethane	Ball/Delrin				260
20 35 S ** INF	20 35R ** INF			Infiniti	Annular/Delrin				250
20 35 S ** RA	20 35R ** RA			Grey Rubber on Aluminum	Annular				220
20 40 S ** SR	20 40R ** SR	4	1-1/4	Soft Rubber	Nylon	3/8	5-1/8	3-1/2	165
20 40 S ** SBB	20 40R ** SBB			Soft Rubber	Ball				165
20 40 S ** HR	20 40R ** HR			Hard Rubber	Nylon				265
20 40 S ** HBB	20 40R ** HBB			Hard Rubber	Ball				265
20 40 S ** LP	20 40R ** LP			Light Duty Plastic	Plain				225
20 40 S ** HP	20 40R ** HP			Heavy Duty Plastic	Plain				300
20 40 S ** PB	20 40R ** PB			Polyurethane	Ball/Delrin				280
20 40 S ** INF	20 40R ** INF			Infiniti	Annular/Delrin				265
20 40 S ** SS	20 40R ** SS			Steel	Plain				300
20 40 S ** RA	20 40R ** RA			Grey Rubber on Aluminum	Annular				240
20 40 S ** PH	20 40R ** PH			Phenolic	Steel Bushing				300
20 40 S ** HTP	20 40R ** HTP			Hight Temperature	Plain				240
20 50 S ** SR	20 50 R ** SR	5	1-1/4	Soft Rubber	Nylon	3/8	6-5/32	4	175
20 50 S ** SBB	20 50 R ** SBB			Soft Rubber	Ball				175
20 50 S ** HR	20 50 R ** HR			Hard Rubber	Nylon				275
20 50 S ** HBB	20 50 R ** HBB			Hard Rubber	Ball				300
20 50 S ** LP	20 50 R ** LP			Light Duty Plastic	Plain				230
20 50 S ** HP	20 50 R ** HP			Heavy Duty Plastic	Plain				320
20 50 S ** PB	20 50 R ** PB			Polyurethane	Ball/Delrin				300
20 50 S ** INF	20 50 R ** INF			Infiniti	Annular/Delrin				300
20 50 S ** RA	20 50 R ** RA			Grey Rubber on Aluminum	Annular				265
20 50 S ** PH	20 50 R ** PH			Phenolic	Steel Bushing				320
20 50 S ** HTP	20 50 R ** HTP			High Temperature	Plain				300

ACCESSORIES OPTIONS FOR 20 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
SL	Sealed Swivel
CP	Chrome Plating
BO	Black Oxide Plating
NI	Nickel Plating
ZA	Zerk Axle
STS	Stainless Steel Yoke NEW

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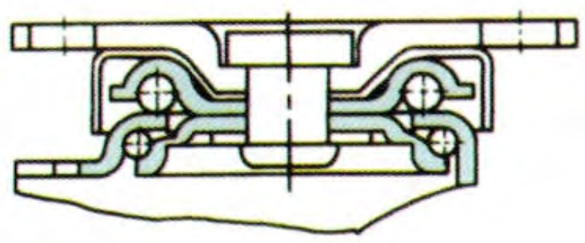
21 SERIES LIGHT MEDIUM DUTY CASTERS



■Features

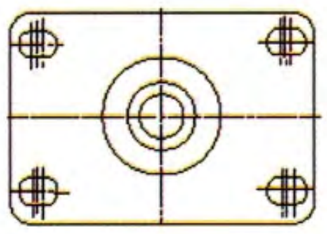
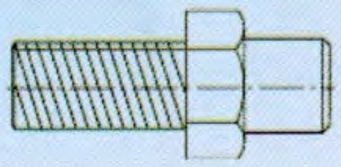
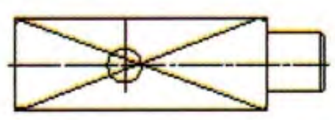
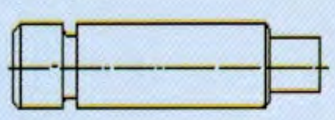
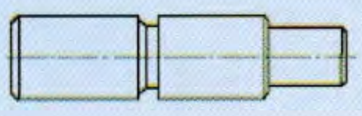
- Heavily embossed, formed steel upper and lower cup.
- Double row ball bearing swivel raceway construction.
- Raceways and yoke hardened for extra strength.
- Dust cover helps protect swivel bearings.
- Finish : Bright zinc or chrome plated.
- Octa TOP Raceway is avilable.

- APPLICATIONS:
  Stock carts, bakery racks,
  food service equipment,etc.
  Sound or Music Equipment.



■FASTENING SPECIFICATIONS FOR 21 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 2-1/2×3-5/8 Bolt Hole Spacing 1-3/4×2-7/8 to 3 Attaching Bolt Size 5/16
		A2	Overall Size 3-1/8×4-1/8 Bolt Hole Spacing 1-3/4×3 to 2-3/8×3-3/8 Attaching Bolt Size 3/8
		A3	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3-5/8 to 3×3 Attaching Bolt Size 3/8
		A4	Overall Size 3-1/2×3-1/2 Bolt Hole Spacing 2-7/16×2-7/16 Attaching Bolt Size 1/4
THREADED STEM		B1	1/2×UNC13×1-1/2
		B2	1/2×UNC13×2-3/4 *Can be used with Exp Applicator*
SQUARE STEM		C1	7/8×2 - 1/4" hole, up 1 from top of the upper caster.
		C2	7/8×2-1/2 - 1/4" hole, up 2 - 1/8 from top of the upper caster
GRIP RING STEM		D1	7/8×2-7/16
		D2	27/32×2-1/2
		D4	27/32×2-1/2

21 SERIES SPECIFICATIONS

Unit : inch , Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
21 30 S ** SR	21 30 R ** SR	3	1-1/4	Soft Rubber	Nylon	3/8	4-1/4	2-3/4	125
21 30 S ** SBB	21 30 R ** SBB			Soft Rubber	Ball				125
21 30 S ** HR	21 30 R ** HR			Hard Rubber	Nylon				220
21 30 S ** HBB	21 30 R ** HBB			Hard Rubber	Ball				220
21 30 S ** LP	21 30 R ** LP			Light Duty Plastic	Plain				220
21 30 S ** HP	21 30 R ** HP			Heavy Duty Plastic	Plain				275
21 30 S ** PU	21 30 R ** PU			Polyurethane	Plain				220
21 30 S ** PB	21 30 R ** PB			Polyurethane	Ball/Delrin				240
21 30 S ** INF	21 30 R ** INF			Infiniti	Annular/Delrin				220
21 30 S ** SS	21 30 R ** SS			Steel	Plain				250
21 35 S ** SR	21 35 R ** SR	3-1/2	1-1/4	Soft Rubber	Nylon	3/8	4-11/16	3-1/16	130
21 35 S ** HR	21 35 R ** HR			Hard Rubber	Nylon				225
21 35 S ** HP	21 35 R ** HP			Heavy Duty Plastic	Plain				300
21 35 S ** PB	21 35 R ** PB			Polyurethane	Ball/Delrin				260
21 35 S ** INF	21 35 R ** INF			Infiniti	Annular/Delrin				250
21 35 S ** RA	21 35 R ** RA			Gray Rubber on Aluminum	Annular				225
21 40 S ** SR	21 40 R ** SR	4	1-1/4	Soft Rubber	Nylon	3/8	5-1/8	3-5/16	165
21 40 S ** SBB	21 40 R ** SBB			Soft Rubber	Ball				165
21 40 S ** HR	21 40 R ** HR			Hard Rubber	Nylon				265
21 40 S ** HBB	21 40 R ** HBB			Hard Rubber	Ball				265
21 40 S ** LP	21 40 R ** LP			Light Duty Plastic	Plain				225
21 40 S ** HP	21 40 R ** HP			Heavy Duty Plastic	Plain				300
21 40 S ** PB	21 40 R ** PB			Polyurethane	Ball/Delrin				280
21 40 S ** RA	21 40 R ** RA			Gray Rubber on Aluminum	Annular				265
21 40 S ** INF	21 40 R ** INF			Infiniti	Annular/Delrin				265
21 40 S ** SS	21 40 R ** SS			Steel	Plain				300
21 50 S ** SR	21 50 R ** SR	5	1-1/4	Soft Rubber	Nylon	3/8	6-7/32	3-31/32	175
21 50 S ** SBB	21 50 R ** SBB			Soft Rubber	Ball				175
21 50 S ** HR	21 50 R ** HR			Hard Rubber	Nylon				275
21 50 S ** HBB	21 50 R ** HBB			Hard Rubber	Ball				300
21 50 S ** LP	21 50 R ** LP			Light Duty Plastic	Plain				230
21 50 S ** HP	21 50 R ** HP			Heavy Duty Plastic	Plain				320
21 50 S ** PB	21 50 R ** PB			Polyurethane	Ball/Delrin				300
21 50 S ** INF	21 50 R ** INF			Infiniti	Annular/Delrin				300
21 50 S ** RA	21 50 R ** RA			Gray Rubber on Aluminum	Annular				265

ACCESSORIES OPTIONS FOR 21 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
ZA	Zerk Axle
SL	Sealed Swivel
EP	Expanded Applicator
CP	Chrome Plating
NI	Nickel Plating

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22 SERIES LIGHT DUTY CASTERS

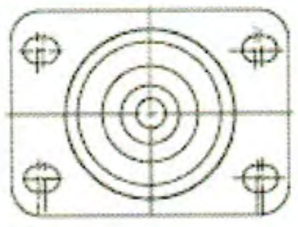
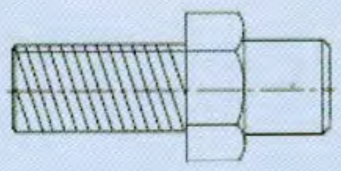
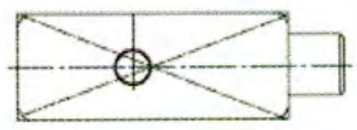
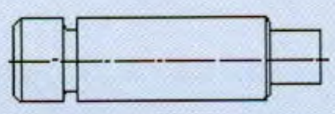






FASTENING SPECIFICATIONS FOR 22 SERIES

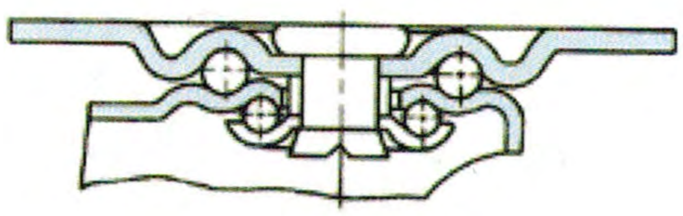
Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 2-3/4×3-7/8 Bolt Hole Spacing 1-3/4×2-7/8 to 3 Attaching Bolt Size 5/16
THREADED STEM		B1	7/16×UNC14×2-1/4
		B2	1/2×UNS13×1-1/2
		B3	5/8×UNC11×1-1/4
		B4	1/2×UNC12×1-37/64
		B5	1/2×UNC13×1
		B6	1/2×UNC13×2-3/4
		B7	1/2×UNC13×2
		B8	1/2×UNC13×1-3/4
SQUARE STEM		C1	7/8×1-5/8
		C2	27/32×2-1/4 (Ø10.3)
		C3	27/32×2-1/4 (Ø5.2)
GRIP RING STEM		D1	7/16×1-1/2
OCTAGON STEM		F7	27/32×13/64 Grip Ring with Octagon stem

■Features

- Heavily embossed, formed steel upper and lower cup.
- Double row ball bearing swivel raceway construction.
- Raceways and yoke hardened for extra strength.
- Sealed raceway helps protect swivel bearings.
- Finish:Bright zinc or chrome plated.

- APPLICATIONS:
  Stock carts, bakery racks, food service equipment, etc.



■22 SERIES SPECIFICATIONS

Unit : inch , Lbs

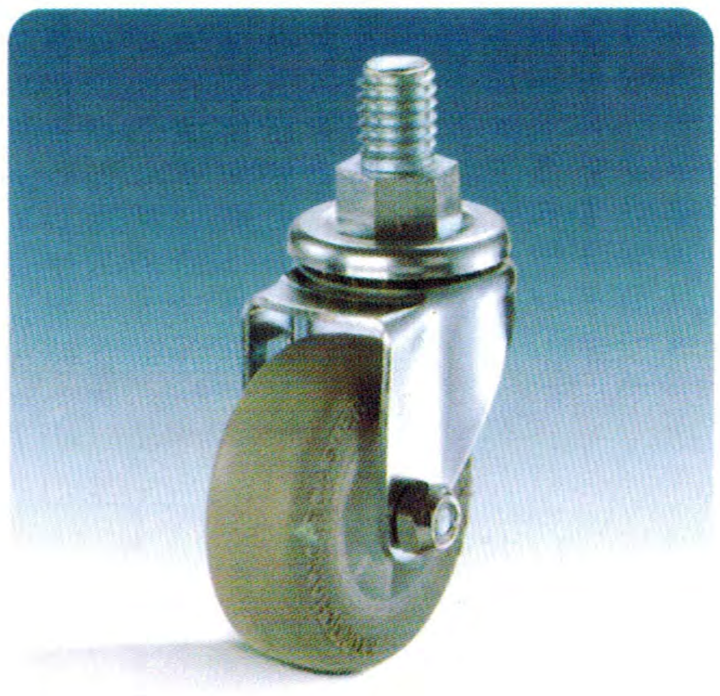
CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
22 30 S ** SR	22 30 R ** SR	3	1	Soft Rubber	Nylon	5/16	3-23/32	2-11/16	90
22 30 S ** SBB	22 30 R ** SBB			Soft Rubber	Ball				90
22 30 S ** HR	22 30 R ** HR			Hard Rubber	Nylon				125
22 30 S ** HBB	22 30 R ** HBB			Hard Rubber	Ball				125
22 30 S ** LP	22 30 R ** LP			Light Duty Plastic	Plain				125
22 30 S ** INF	22 30 R ** INF			Infiniti	Ball				125
22 40 S ** SR	22 40 R ** SR	4	1	Soft Rubber	Nylon	5/16	4-23/32	3-3/16	125
22 40 S ** SBB	22 40 R ** SBB			Soft Rubber	Ball				125
22 40 S ** HR	22 40 R ** HR			Hard Rubber	Nylon				175
22 40 S ** HBB	22 40 R ** HBB			Hard Rubber	Ball				175
22 40 S ** LP	22 40 R ** LP			Light Duty Plastic	Plain				175
22 40 S ** INF	22 40 R ** INF			Infiniti	Ball				175
22 50 S ** SR	22 50 R ** SR	5	1	Soft Rubber	Nylon	5/16	5-25/32	3-11/16	130
22 50 S ** SBB	22 50 R ** SBB			Soft Rubber	Ball				130
22 50 S ** HR	22 50 R ** HR			Hard Rubber	Nylon				200
22 50 S ** HBB	22 50 R ** HBB			Hard Rubber	Ball				200
22 50 S ** LP	22 50 R ** LP			Light Duty Plastic	Plain				200
22 50 S ** INF	22 50 R ** INF			Infiniti	Ball				200

■ACCESSORIES OPTIONS FOR 22 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
CP	Chrome Plating
BP	Brass Plating
NI	Nickel Plating

23 SERIES LIGHT DUTY CASTERS



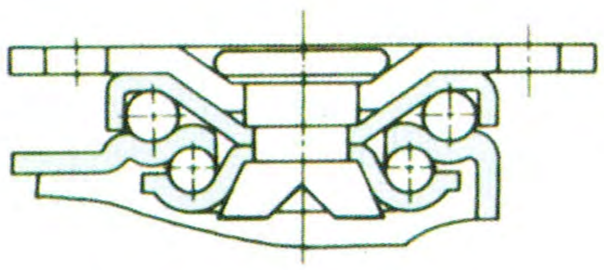




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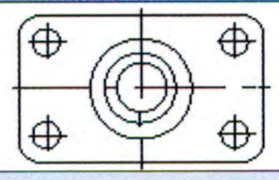
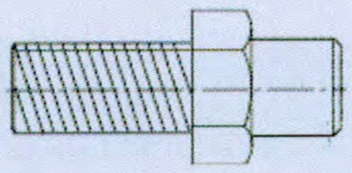
- High durability design.
- Multiple stem specifications.
- Double row ball bearing raceway construction.
- Brake system available.
- Raceways and yoke hardened for extra strenght.
- Riveted wheel.
- APPLICATIONS:
  Interior furniture, office chair, Show Case.





■FASTENING SPECIFICATIONS FOR 23 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 1-1/4×2-1/16 Bolt Hole Spacing 13/16×1-9/16 Attaching Bolt Size 3/16
THREADED STEM		B1	1/2×UNC12×5/8
		B2	1/2×UNC12×1
		B3	3/8×UNC16×1
		B4	3/8×UNC16×1-1/4
		B5	3/8×UNC16×1-1/2
		B6	5/16×UNC18×1
GRIP RING STEM		D1	7/16×1-3/16

23 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
23 20 S ** SR 23 20 S ** HR 23 20 S ** PU	23 20 R ** SR 23 20 R ** HR 23 20 R ** PU	2	13/16	Soft Rubber Hard Rubber Polyurethane	Nylon Nylon Plain	1/4	2-21/32	1-13/16	65 77 100
23 25 S ** SR 23 25 S ** HR	23 25 R ** SR 23 25 R ** HR	2-1/2	13/16	Soft Rubber Hard Rubber	Nylon Nylon	1/4	3-3/32	2-1/16	77 100
23 30 S ** SR 23 30 S ** HR 23 30 S ** PU 23 30 S ** LP	23 30 R ** SR 23 30 R ** HR 23 30 R ** PU 23 30 R ** LP	3	13/16	Soft Rubber Hard Rubber Polyurethane Light duty Plastic	Nylon Nylon Plain Plain	1/4	3-5/8	2-3/8	100 110 120 100

ACCESSORIES OPTIONS FOR 23 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
CP	Chrome Plating
BP	Brass Plating
NI	Nickel Plating

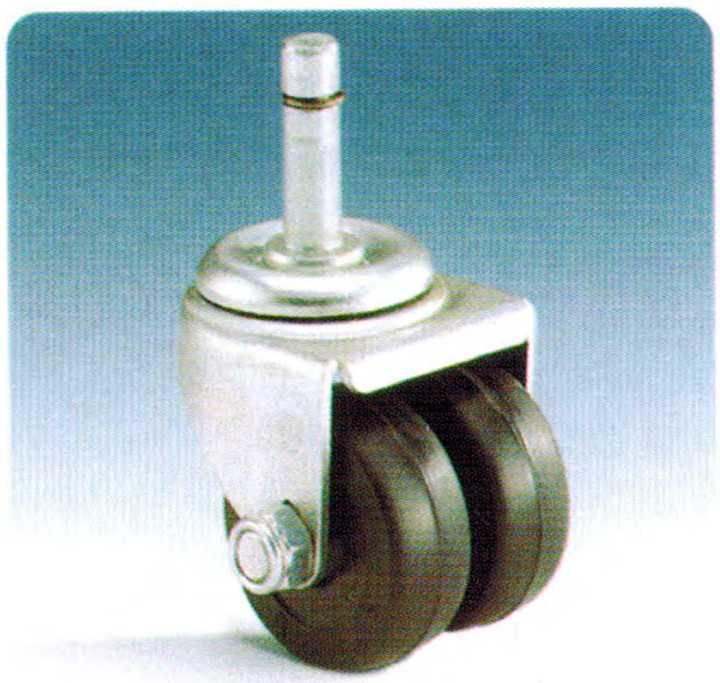


23 SERIES
LIGHT DUTY CASTERS

24 SERIES PIANO CASTERS



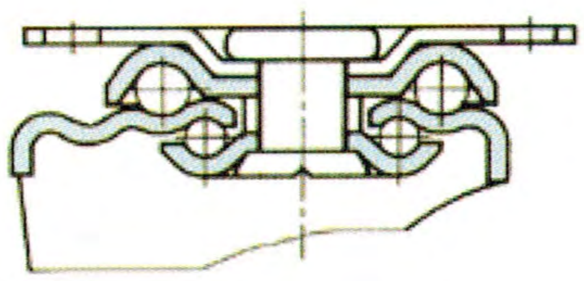




■Features

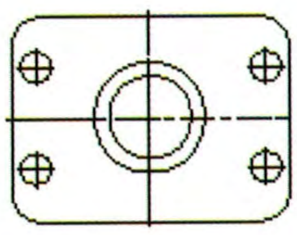
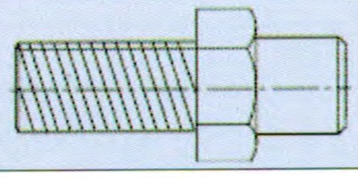
- Heavily embossed,formed steel upper and lower cup.
- Double row ball bearing swivel raceway construction.
- Raceway hardened for extra strength.
- Low profile design.
- Finish: Bright zinc or chrome plated.

- APPLICATIONS:
  Stock carts,bakery racks,
  food service equipment,etc.



■FASTENING SPECIFICATIONS FOR 24 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 1-7/8×2-9/16 Bolt Hole Spacing 15/16×2-1/8 Attaching Bolt Size 1/4
		NEW A2	Overall Size 2-3/8×3-5/8 Bolt Hole Spacing 1-3/4×2-7/8 to 3 Attaching Bolt Size 5/16
THREADED STEM		B1	1/2×UNC13×1-1/2
		B2	1/2×UNC13×2-3/4
GRIP RING STEM		D1	7/16×1×1/2

■24 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
24 20 S ** SR 24 20 S ** HR	— —	2	25/32	Soft Rubber Hard Rubber	Nylon Nylon	3/8	2-3/4	1-27/32	200

■ACCESSORIES OPTIONS FOR 24 SERIES

ACCESSORIES CODE	DESCRIPTION
CP	Chrome Plating
BO	Black Oxide Plating

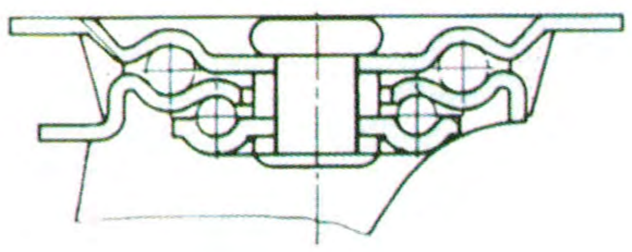
LIGHT MEDIUM DUTY CASTERS 25 SERIES





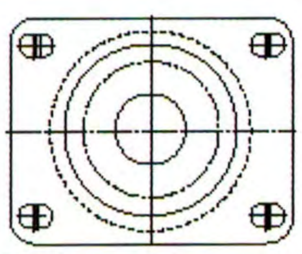
■Features

- Double row ball bearing raceway construction.
- Hardened raceways.
- Standard swivel seals.
- Standard Zincfinish.
- APPLICATIONS:
  Electronic, music and show cases.



■FASTENING SPECIFICATIONS FOR 25 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	3-1/16×3-7/8 2-23/64×3-1/16 to 3-7/32 3/8
		A2	Overall Size Bolt Hole Spacing Attaching Bolt Size	3-1/8×4-3/32 1-9/64×2-15/16 to 2-3/8×3-3/8 3/8

■25 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
25 40 S ** SR	—	4	1-1/4	Soft Rubber	Nylon	3/8	5-5/32	3-11/32	165
25 40 S ** SBB	—			Soft Rubber	Ball				165
25 40 S ** HR	—			Hard Rubber	Nylon				240
25 40 S ** HBB	—			Hard Rubber	Ball				240
25 40 S ** LP	—			Light Duty Plastic	Plain				225
25 40 S ** HP	—			Heavy Duty Plastic	Plain				240
25 40 S ** PB	—			Polyurethane	Ball				240
25 40 S ** RA	—			Grey Rubber on Aluminum	Annular				240
25 40 S ** PR	—			Plastic Rubber Tread	Ball				225
25 40 S ** SS	—			Steel	Plain				240
25 40 S ** INF	—			Infiniti	Ball				240

■ ACCESSORIES OPTIONS FOR 25 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
CP	Chrome Plating
BP	Brass Plating
NI	Nickel Plating

26 SERIES LIGHT MEDIUM DUTY CASTERS



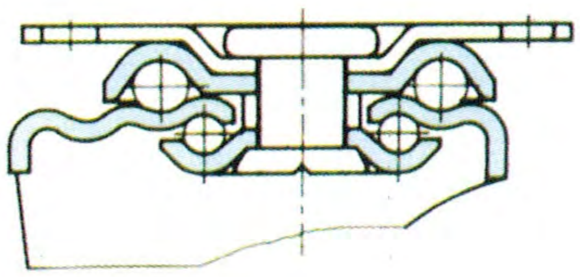




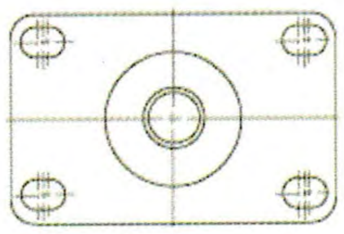
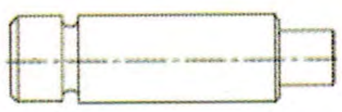
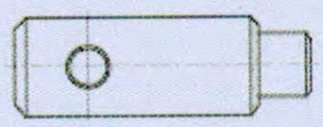
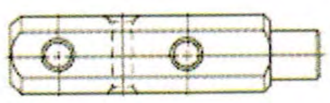
■Features

- Heavily embossed,formed steel double cup.
- Double row ball bearing swivel raceway construction.
- Finish: Bright zinc or chrome plated.

- APPLICATIONS:
  Stock carts,bakery racks,
  food service equipment,etc.



■FASTENING SPECIFICATIONS FOR 26 SERIES

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 2-3/8×3-5/8 Bolt Hole Spacing 1-3/4×2-11/16 to 2-15/16 Attaching Bolt Size 5/16
		A2	Overall Size 3-1/8×4-1/8 Bolt Hole Spacing 1-3/4×2-15/16 to 2-3/8×3-3/8 Attaching Bolt Size 3/8
		A3	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3 to 3-5/8 Attaching Bolt Size 3/8
THREADED STEM		B1	1/2×UNC13×1
		B2	1/2×UNC13×1-1/2
		B3	5/8×UNC11×1-1/4
		B4	1/2×UNC13×2
		B5	1/2×UNC20×3
		B6	7/16×UNC14×7/8
		B7	1/2×UNC13×2-1/2 Can be used with Exp Applicator
		B8	7/16×UNC14×1-1/2
		B9	1/2×UNC13×3
		B11	1/2×UNC13×3/4
GRIP RING STEM		D1	7/16×1-1/2
		D2	27/32×2-1/2
ROUND STEM		E1	7/8×2-3/32 – with 5/16 Cross Drilled hole 1-1/8 from top of the uppper cup
		E2	1×2-1/4 – with 5/16 Cross Drilled hole 1-7/16 from top of the uppper raceway
		E3	1×2-1/2(Ø3/8") – with 3/8 Cross Drilled hole 1-7/64 from top of the uppper raceway
OCTAGON STEM		F1	27/32×2-7/16 – with 1/4 Cross Drilled hole located @1/2, 1-1/8, 1-3/4 from top of raceway

26 SERIES SPECIFICATIONS

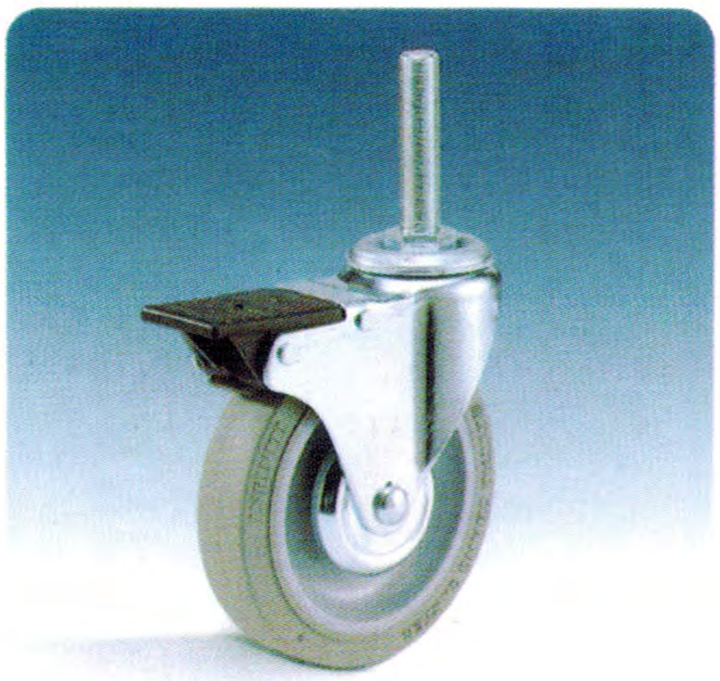
Unit : inch , Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
26 30 S ** SR	26 30 R ** SR	3	1-1/4	Soft Rubber	Nylon	3/8	4	2-7/8	125
26 30 S ** SBB	26 30 R ** SBB			Soft Rubber	Ball				125
26 30 S ** HR	26 30 R ** HR			Hard Rubber	Nylon				220
26 30 S ** HBB	26 30 R ** HBB			Hard Rubber	Ball				220
26 30 S ** LP	26 30 R ** LP			Light Duty Plastic	Plain				220
26 30 S ** HP	26 30 R ** HP			Heavy Duty Plastic	Plain				300
26 30 S ** PU	26 30 R ** PU			Polyurethane	Plain				220
26 30 S ** PB	26 30 R ** PB			Polyurethane	Ball/Delrin				220
26 30 S ** INF	26 30 R ** INF			Infiniti	Annular/Delrin				225
26 30 S ** PH	26 30 R ** PH			Phenolic	Steel Bushing				250
26 30 S ** SS	26 30 R ** SS			Steel	Plain				250
26 40 S ** SR	26 40 R ** SR	4	1-1/4	Soft Rubber	Nylon	3/8	5	3-1/2	165
26 40 S ** SBB	26 40 R ** SBB			Soft Rubber	Ball				165
26 40 S ** HR	26 40 R ** HR			Hard Rubber	Nylon				265
26 40 S ** HBB	26 40 R ** HBB			Hard Rubber	Ball				265
26 40 S ** LP	26 40 R ** LP			Light Duty-Plastic	Plain				225
26 40 S ** HP	26 40 R ** HP			Heavy Duty Plastic	Plain				375
26 40 S ** PB	26 40 R ** PB			Polyurethane	Ball/Delrin				275
26 40 S ** INF	26 40 R ** INF			Infiniti	Annular/Delrin				300
26 40 S ** SS	26 40 R ** SS			Steel	Plain				300
26 40 S ** RA	26 40 R ** RA			Grey Rubber on Aluminum	Annular				240
26 40 S ** PH	26 40 R ** PH			Phenolic	Steel Bushing				300
26 40 S ** HTP	26 40 R ** HTP			High Temperature	Plain				240
26 50 S ** SR	26 50 R ** SR	5	1-1/4	Soft Rubber	Nylon	3/8	6	4	175
26 50 S ** SBB	26 50 R ** SBB			Soft Rubber	Ball				175
26 50 S ** HR	26 50 R ** HR			Hard Rubber	Nylon				300
26 50 S ** HBB	26 50 R ** HBB			Hard Rubber	Ball				300
26 50 S ** LP	26 50 R ** LP			Light Duty Plastic	Plain				230
26 50 S ** HP	26 50 R ** HP			Heavy Duty Plastic	Plain				320
26 50 S ** PB	26 50 R ** PB			Polyurethane	Ball/Delrin				300
26 50 S ** INF	26 50 R ** INF			Infiniti	Annular/Delrin				320
26 50 S ** RA	26 50 R ** RA			Grey Rubber on Aluminum	Annular				265
26 50 S ** PH	26 50 R ** PH			Phenolic	Steel Bushing				320
26 50 S ** HTP	26 50 R ** HTP			High Temperature	Plain				300

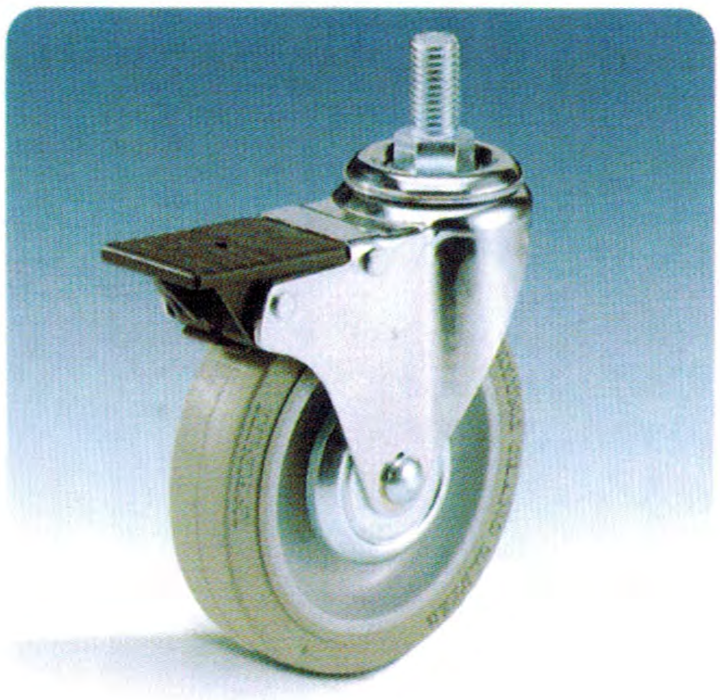
ACCESSORIES OPTIONS FOR 26 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
ZA	Zerk Axle
EP	Expanded Applicator
CP	Chrome Plating
BP	Brass Plating
NI	Nickel Plating

28 SERIES SUPREME LOCK CASTERS



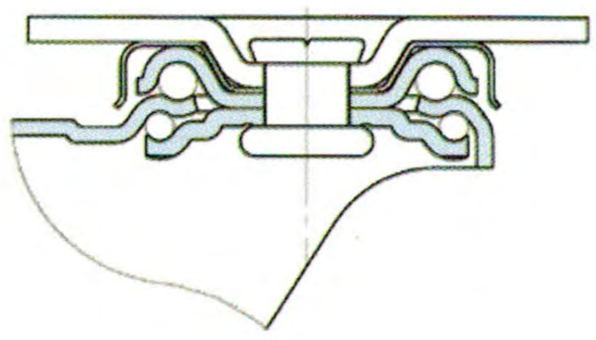




■Features

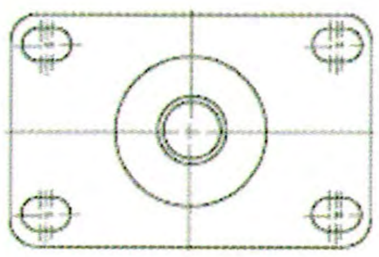
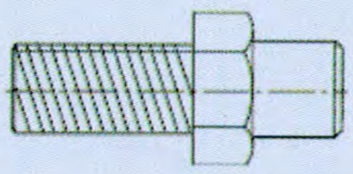
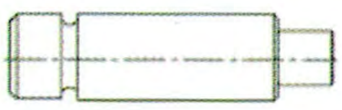
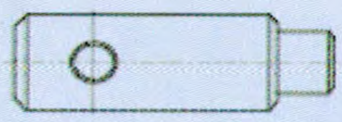
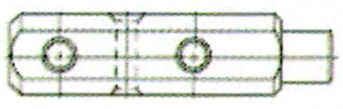
- Optional dust cover.
- Graceful & neat view.
- Total locking type (wheel & yoke).
- Zink or chrome plating.

· APPLICATIONS:



■ FASTENING SPECIFICATIONS FOR 28 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 2-3/8×3-5/8 Bolt Hole Spacing 1-3/4×2-11/16 to 2-15/16 Attaching Bolt Size 5/16
		A2	Overall Size 3-1/8×4-1/8 Bolt Hole Spacing 1-3/4×2-15/16 to 2-3/8×3-3/8 Attaching Bolt Size 3/8
		A3	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3 to 3-5/8 Attaching Bolt Size 3/8
THREADED STEM		B1	1/2×UNC13×1
		B2	1/2×UNC13×1-1/2
		B3	5/8×UNC11×1-1/4
		B4	1/2×UNC13×2
		B5	1/2×UNC20×3
		B6	7/16×UNC14×7/8
		B7	1/2×UNC13×2-1/2 Can be used with Exp Applicator
		B8	7/16×UNC14×1-1/2 Speify 3/4, 7/8, 13/8, 11/2 ID Tube Size
		B9	1/2×UNC13×3
		B11	1/2×UNC13×3/4
		B17	3/4×UNC10×1-1/2(5"only)
GRIP RING STEM		D1	7/16×1-1/2
		D2	27/32×2-1/2
ROUND STEM		E1	7/8×2-3/32 – with 5/16 Cross Drilled hole 1-1/8 From top of the upper cup
		E2	1×2-1/4 – with 5/16 Cross Drilled hole 1-7/16 from top of the upper raceway
		E3	1×2-1/2(Ø3/8") – with 3/8 Cross Drilled hole 1-7/64 from top of the upper raceway
OCTAGON STEM		F1	27/32×2-7/16 – with 1/4 Cross Drilled hole located @1/2, 1-1/8, 1-3/4 from top of raceway

28 SERIES SPECIFICATIONS

Unit : inch, Lbs

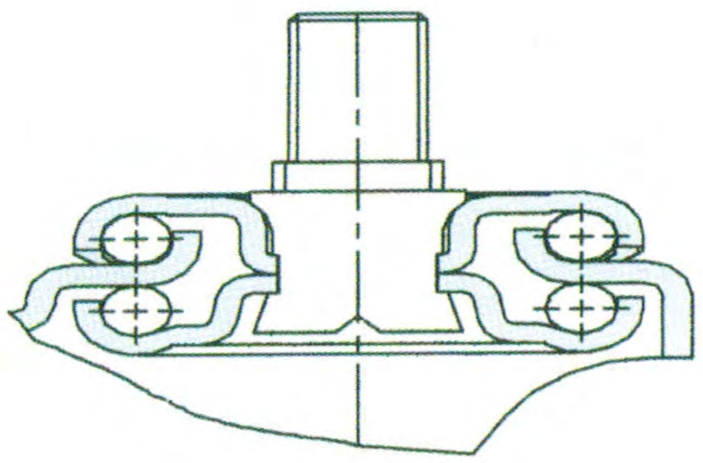
CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
28 30 S ** SR	—	3	1-1/4	Soft Rubber	Nylon	3/8	4-1/4	3-5/16	125
28 30 S ** SBB	—			Soft Rubber	Ball				125
28 30 S ** HR	—			Hard Rubber	Nylon				220
28 30 S ** HBB	—			Hard Rubber	Ball				220
28 30 S ** LP	—			Light Duty Plastic	Plain				220
28 30 S ** HP	—			Heavy Duty Plastic	Plain				300
28 30 S ** PB	—			Polyurethane	Ball/Delrin				220
28 30 S ** INF	—			Infiniti	Annular/Delrin				155
28 30 S ** SS	—			Steel	Plain				250
28 30 S ** PH	—			Phenolic	Steel Bushing				300
28 35 S ** SR	—	3-1/2	1-1/4	Soft Rubber	Nylon	3/8	4-11/16	3-11/32	120
28 35 S ** HR	—			Hard Rubber	Nylon				250
28 35 S ** HP	—			Heavy Duty Plastic	Plain				250
28 35 S ** PB	—			Polyurethane	Ball/Delrin				250
28 35 S ** INF	—			Infiniti	Annular/Delrin				220
28 35 S ** RA	—			Grey Rubber on Aluminum	Annular				220
28 40 S ** SR	—	4	1-1/4	Soft Rubber	Nylon	3/8	5-1/8	4-5/8	165
28 40 S ** SBB	—			Soft Rubber	Ball				165
28 40 S ** HR	—			Hard Rubber	Nylon				265
28 40 S ** HBB	—			Hard Rubber	Ball				265
28 40 S ** LP	—			Light Duty Plastic	Plain				225
28 40 S ** HP	—			Heavy Duty Plastic	Plain				265
28 40 S ** PB	—			Polyurethane	Ball/Delrin				265
28 40 S ** RA	—			Grey Rubber on Aluminum	Annular				265
28 40 S ** INF	—			Infiniti	Annular/Delrin				250
28 40 S ** SS	—			Steel	Plain				350
28 40 S ** PH	—			Phenolic	Steel Bushing				300
28 50 S ** SR	—	5	1-1/4	Soft Rubber	Nylon	3/8	6-7/32	4-5/8	165
28 50 S ** SBB	—			Soft Rubber	Ball				165
28 50 S ** HR	—			Hard Rubber	Nylon				275
28 50 S ** HBB	—			Hard Rubber	Ball				275
28 50 S ** LP	—			Light Duty Plastic	Plain				220
28 50 S ** HP	—			Heavy Duty Plastic	Plain				300
28 50 S ** PB	—			Polyurethane	Ball/Delrin				300
28 50 S ** INF	—			Infiniti	Annular/Delrin				265
28 50 S ** RA	—			Grey Rubber on Aluminum	Annular				265
28 50 S ** PH	—			Phenolic	Steel Bushing				300

※COMPATIBLE WITH 21 SERIES 3″, 3.5″, 4″, 5″ CASTERS. (RIGID & SWIMEL)

ACCESSORIES OPTIONS FOR 28 SERIES

ACCESSORIES CODE	DESCRIPTION
TG	Thread Guard
ZA	Zerk Axle
EP	Expanded Applicator
CP	Chrome Plating
BP	Brass Plating
NI	Nickel Plating

27 SERIES SHOPPING CART CASTERS



■Features

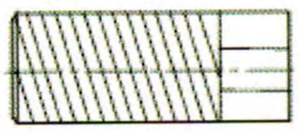
- Deeply embossed,formed yoke.
- Double row ball bearing swivel raceway construction.
- Corrosion-Resistant zinc plated finish.
- Hardened raceways yoke.
- Sealed Swivel raceway.

- **APPLICATIONS:**
  Shopping Cart, stock cart, food service equipment.



FASTENING SPECIFICATIONS FOR 27 SERIES

Unit : inch

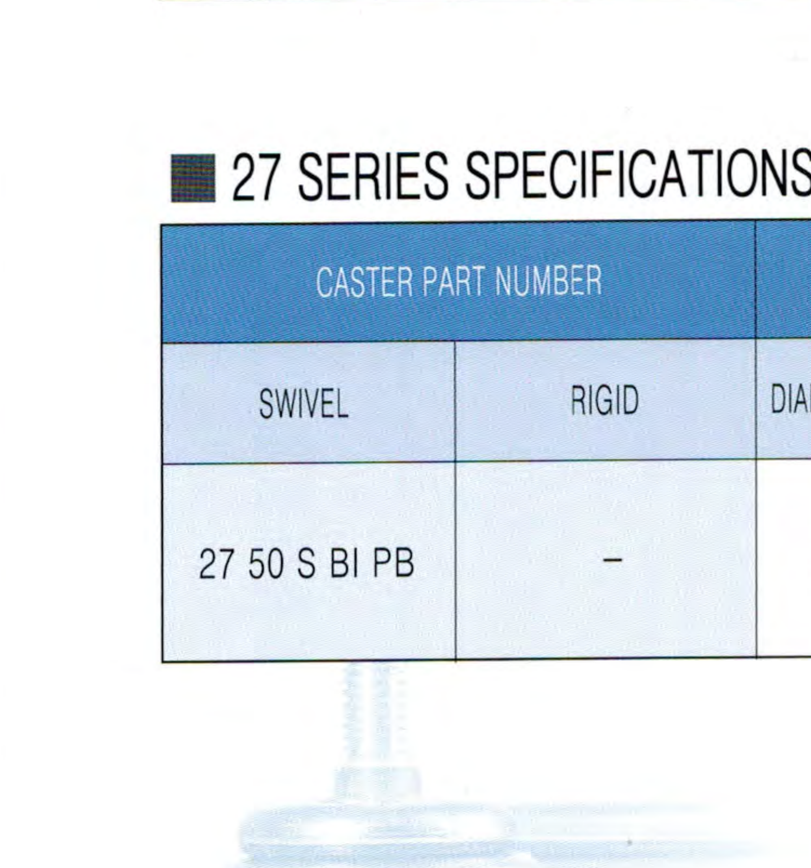
FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
THREADED STEM		B1	1/2×13×7/8

● OTHER STEM SIZE IS OPTIONAL

27 SERIES SPECIFICATIONS

Unit : inch,Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
27 50 S BI PB	–	5	1-1/4	Polyurethane	Ball	5/16	5-29/32	4	200



27SERIES
SHOPPING CART CASTERS

NEW BUSINESS MACHINE CASTERS 30 SERIES



■Features

- Double row ball bearing swivel raceway construction.
- Thumb screw brake.
- Provides excellent floor protection and mobility.
- Low profile design.
- Bright zinc finish, standard.

· APPLICATIONS:
Ideally suited for heavy equipments such as heavy weight computers, heavy electronic equipments, etc.

■ FASTENING SPECIFICATIONS FOR 30 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	FASTNNING SPECIFICATION		
			OVERALL SIZE	BOLT HOLE SPACING	BOLT SIZE
TOP PLATE		A1	3-1/10×4-1/10	2-23/64×3-11/32	5/16

■ 30 SERIES SPECIFICATIONS

Unit : inch,Lbs

FASTENING TYPE	FASTENING CODE NO					FASTNNING SPECIFICATION		
SWIVEL	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
30 30S A1 HBB	3	1-7/8	HARD RUBBER	Ball	9.5	4-1/20	2-21/64	550

30SERIES
GENERAL CUTY CASTERS

31 SERIES MEDIUM DUTY CASTERS



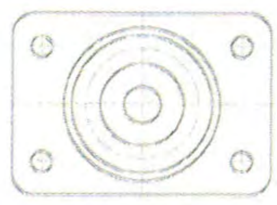
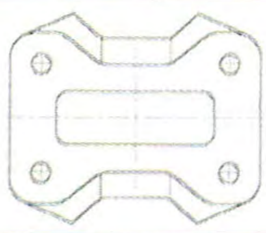
■Features

- Double row ball bearing swivel.
- Zinc plate finish for corrosion resistance.

- APPLICATIONS:
  - Tool box
  - Medium duty applications

■ FASTENING SPECIFICATIONS FOR 31 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4×2-3/4 3×1-3/4 5/16
			Overall Size Bolt Hole Spacing Attaching Bolt Size	4×2-3/4 3×1-3/4 5/16

■ 31 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
31 50 A1 HR	31 50 A1 HR	5	2	Hard Rubber	Nylon	3/8	6	3-39/64	440
31 50 A1 HP	31 50 A1 HP	5	2	Heavy Duty Plastic	Nylon	3/8	6	3-39/64	400
31 50 A1 SR	31 50 A1 SR	5	2	Soft Rubber	Nylon	3/8	6	3-39/64	265

■ ACCESSORIES OPTIONS FOR 31 SERIES

ACCESSORIES CODE	DESCRIPTION
SB	Side Lock Brake

HEAVY DUTY CASTER

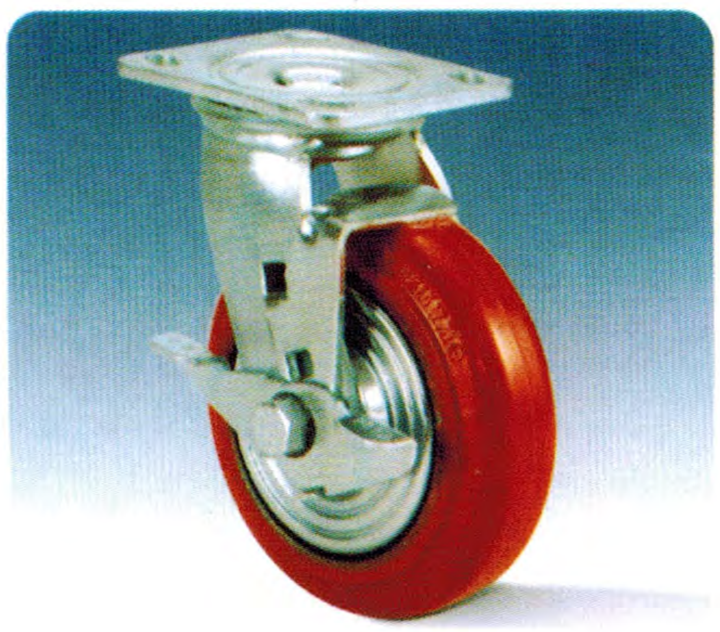
Heavy Duty Caster

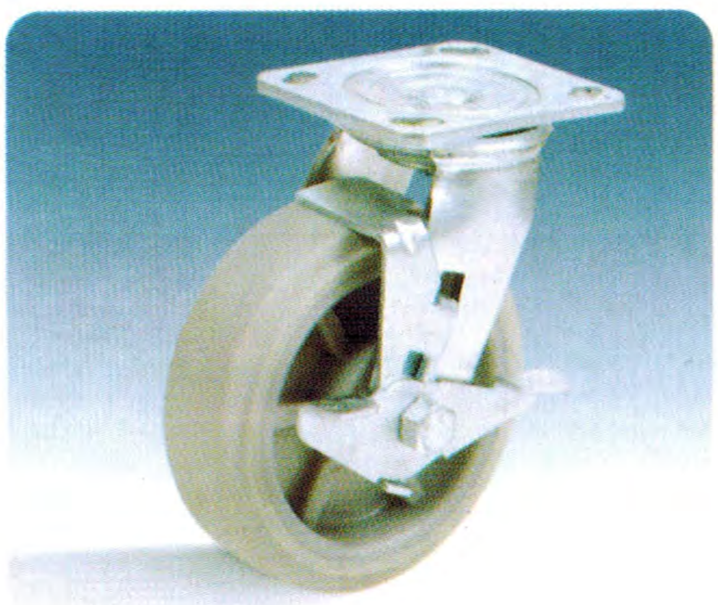
NSF®

40 SERIES MEDIUM HEAVY DUTY CASTERS







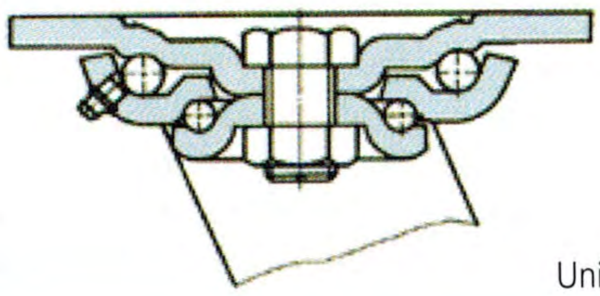




■Features

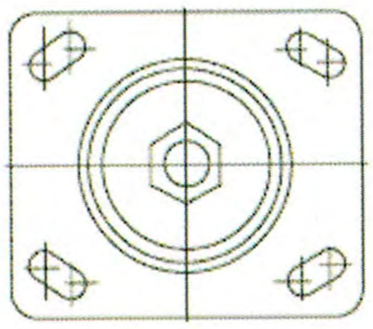
- 'Cold forged' top plate and base.
- Double row ball bearing swivel raceway construction for extra strength.
- Hardened raceways.
- Zerk fitting in swivel race for lubrication.
- Finish: All parts except wheel are zinc plated for corrosion resistance.
- Legs are formed and welded to yoke base to increase strength.
- 5/8 Dia King pin, 1/2 Axle, 1/4 Plate & Leg Thickness.

· APPLICATIONS:
Excellent for medium heavy duty platform trucks, food service equipment, large stock carts, etc.



■ FASTENING SPECIFICATIONS FOR 40 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	3-15/16×4-1/2 2-5/8×3-5/8 to 3×3 3/8
		A2	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2
		A3	Overall Size Bolt Hole Spacing Attaching Bolt Size	5×5-1/2 4-1/8″×4-1/2″ 1/2
		A4	Overall Size Bolt Hole Spacing Attaching Bolt Size	4×5 3×4 to 2-9/16×3-1/2 (Reverse slot Pattern) 3/8 (Busse Basket Plate)

40 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
40 40 S ** RC	40 40 R ** RC	4	2	Rubber/Cast Iron	Roller	1/2	5-5/8	3-3/16	350
40 40 S ** PC	40 40 R ** PC			Polyurethane/Cast Iron	Roller				700
40 40 S ** PU	40 40 R ** PU			Polyurethane/Plastic	Roller/Delrin				660
40 40 S ** HP	40 40 R ** HP			Heavy Duty Plastic	Roller				600
40 40 S ** PH	40 40 R ** PH			Phenolic	Roller				800
40 40 S ** SS	40 40 R ** SS			Steel	Roller				700
40 40 S ** VG	40 40 R ** VG			V-Groove	Roller				900
40 40 S ** INF	40 40 R ** INF			Infiniti	Roller				400
40 40 S ** HTP	40 40 R ** HTP			High Temperature	Roller				800
40 50 S ** RC	40 50 R ** RC	5	2	Rubber/Cast Iron	Roller	1/2	6-1/2	3-7/8	400
40 50 S ** PC	40 50 R ** PC			Polyurethane/Cast Iron	Roller				900
40 50 S ** PU	40 50 R ** PU			Polyurethane/Plastic	Roller/Delrin				800
40 50 S ** HP	40 50 R ** HP			Heavy Duty Plastic	Roller				650
40 50 S ** PH	40 50 R ** PH			Phenolic	Roller				900
40 50 S ** SS	40 50 R ** SS			Steel	Roller				1000
40 50 S ** VG	40 50 R ** VG			V-Groove	Roller				900
40 50 S ** INF	40 50 R ** INF			Infiniti	Roller				500
40 50 S ** HTP	40 50 R ** HTP			High Temperature	Roller				900
40 60 S ** RC	40 60 R ** RC	6	2	Rubber/Cast Iron	Roller	1/2	7-1/2	4-37/64	450
40 60 S ** PC	40 60 R ** PC			Polyurethane/Cast Iron	Roller				1000
40 60 S ** PU	40 60 R ** PU			Polyurethane/Plastic	Roller/Delrin				900
40 60 S ** HP	40 60 R ** HP			Heavy Duty Plastic	Roller				750
40 60 S ** PH	40 60 R ** PH			Phenolic	Roller				1000
40 60 S ** SS	40 60 R ** SS			Steel	Roller				1000
40 60 S ** VG	40 60 R ** VG			V-Groove	Roller				1000
40 60 S ** INF	40 60 R ** INF			Infiniti	Roller				550
40 60 S ** HTP	40 60 R ** HTP			High Temperature	Roller				1000
40 80 S ** RC	40 80 R ** RC	8	2	Rubber/Cast Iron	Roller	1/2	9-1/2	6	500
40 80 S ** PC	40 80 R ** PC			Polyurethane/Cast Iron	Roller				1100
40 80 S ** PU	40 80 R ** PU			Polyurethane/Plastic	Roller/Delrin				950
40 80 S ** HP	40 80 R ** HP			Heavy Duty Plastic	Roller				900
40 80 S ** PH	40 80 R ** PH			Phenolic	Roller				1000
40 80 S ** SS	40 80 R ** SS			Steel	Roller				1000
40 80 S ** VG	40 80 R ** VG			V-Groove	Roller				1000
40 80 S ** INF	40 80 R ** INF			Infiniti	Roller				60
40 80 S ** HTP	40 80 R ** HTP			High Temperature	Roller				1000

ACCESSORIES OPTIONS FOR 40 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
DW	Double Welded
SL	Sealed Swivel
SWL	4 Position Swivel Lock
ZA	Zerk Axle
BB	Ball Bearing
RW	Retainer Washer
STS	Stainless Steel Yoke NEW

41 SERIES MEDIUM HEAVY DUTY CASTERS



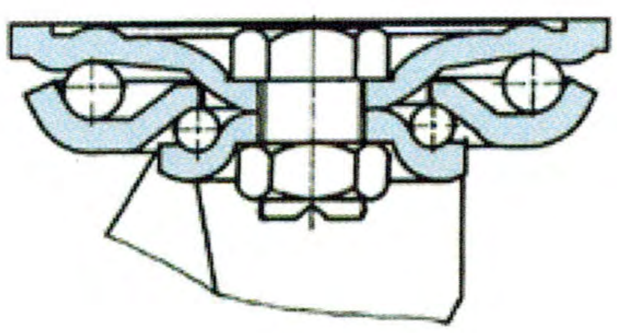




■Features

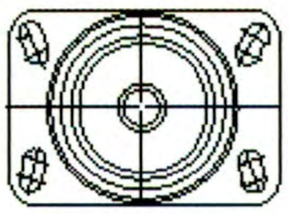
- 'Cold forged' top plate and yoke base.
- Double row ball bearing swivel raceway construction for extra strength.
- Hardened raceway.
- Zerk fitting on swivel race for lubrication.
- Finish: All parts except wheel are zinc plated for corrosion resistance.
- Legs are formed and welded to yoke base to increase strength.
- 3/4 Dia King pin, Leg & Plate 1/4 Thick, 1/2 Axle.

- APPLICATIONS:
  Cargo containers, food handling equipment, etc.



■FASTENING SPECIFICATIONS FOR 41 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2
		A2	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-31/32×6-7/32 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2

41 SERIES SPECIFICATIONS

Unit : inch, Lbs

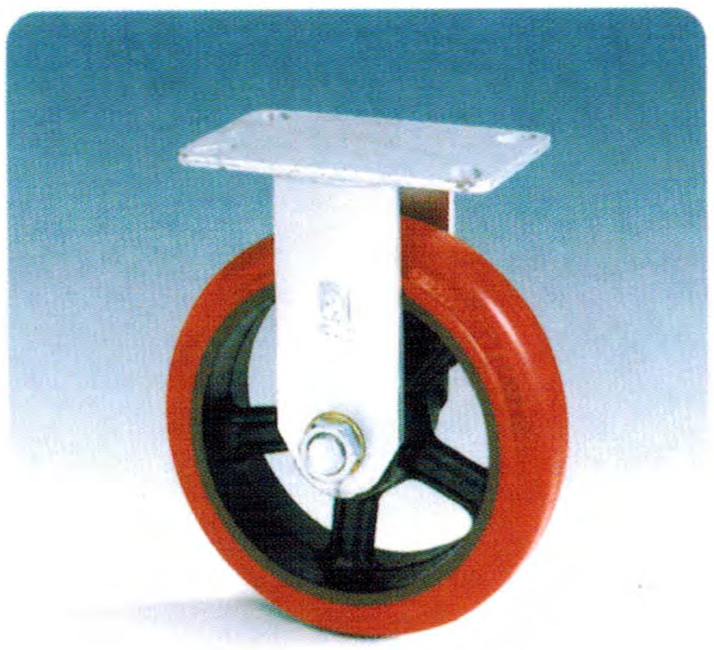
CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
41 50 S ** RC	41 50 R ** RC	5	2	Rubber/Cast Iron	Roller	1/2	6-1/2	3-21/32	400
41 50 S ** PC	41 50 R ** PC			Polyurethane/Cast Iron	Roller				1100
41 50 S ** PU	41 50 R ** PU			Polyurethane/Plastic	Roller				770
41 50 S ** HP	41 50 R ** HP			Heavy Duty Plastic	Roller				650
41 50 S ** PH	41 50 R ** PH			Phenolic	Roller				1100
41 50 S ** SS	41 50 R ** SS			Steel	Roller				1100
41 50 S ** VG	41 50 R ** VG			V-Groove	Roller				1000
41 50 S ** INF	41 50 R ** INF			Infiniti	Roller				500
41 60 S ** RC	41 60 R ** RC	6	2	Rubber/Cast Iron	Roller	1/2	7-1/2	4-7/16	450
41 60 S ** PC	41 60 R ** PC			Polyurethane/Cast Iron	Roller				1200
41 60 S ** PU	41 60 R ** PU			Polyurethane/Plastic	Roller				900
41 60 S ** HP	41 60 R ** HP			Heavy Duty Plastic	Roller				750
41 60 S ** PH	41 60 R ** PH			Phenolic	Roller				1200
41 60 S ** SS	41 60 R ** SS			Steel	Roller				1200
41 60 S ** VG	41 60 R ** VG			V-Groove	Roller				1200
41 60 S ** INF	41 60 R ** INF			Infiniti	Roller				550
41 80 R ** RC	41 80 R ** RC	8	2	Rubber/Cast Iron	Roller	1/2	9-1/2	6	500
41 80 R ** PC	41 80 R ** PC			Polyurethane/Cast Iron	Roller				1400
41 80 R ** PU	41 80 R ** PU			Polyurethane/Plastic	Roller				950
41 80 R ** HP	41 80 R ** HP			Heavy Duty Plastic	Roller				900
41 80 R ** PH	41 80 R ** PH			Phenolic	Roller				1400
41 80 R ** SS	41 80 R ** SS			Steel	Roller				1400
41 80 R ** VG	41 80 R ** VG			V-Groove	Roller				1200
41 80 R ** INF	41 80 R ** INF			Infiniti	Roller				600

ACCESSORIES OPTIONS FOR 41 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard
DW	Double Welded
ZA	Zerk Axle
BB	Ball Bearing
RW	Retainer Washer

42 SERIES HEAVY DUTY CASTERS



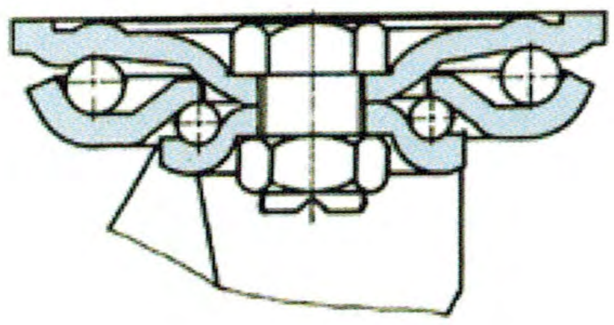




■Features

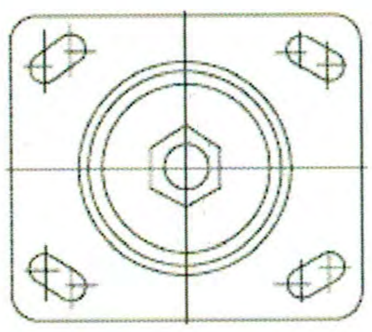
· 'Cold forged' top plate and yoke base.
· Hardened raceway.
· Double row ball bearing swivel raceway construction for extra strength.
· Zerk fitting on swivel race for lubrication.
· Finish: All parts except wheel are zinc plated for corrosion resistance.
· Legs are formed and welded to yoke base to increase strength.
· King pin 3/4 Dia, Plate & Legs 1/4 Thickness.

· APPLICATIONS:
Cargo containers, food handling equipment, etc.



■FASTENING SPECIFICATIONS FOR 42 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2
		A2	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-31/32×6-7/32 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2

42 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
42 60 S ** RC	42 60 R ** RC	6	2-1/2	Rubber/Cast Iron	Roller	1/2	7-1/2	4-7/16	550
42 60 S ** PC	42 60 R ** PC			Polyurethane/Cast Iron	Roller				1500
42 60 S ** PH	42 60 R ** PH			Phenolic	Roller				1500
42 60 S ** SS	42 60 R ** SS			Steel	Roller				1500
42 80 S ** RC	42 80 R ** RC	8	2-1/2	Rubber/Cast Iron	Roller	1/2	9-1/2	6	700
42 80 S ** PC	42 80 R ** PC			Polyurethane/Cast Iron	Roller				1600
42 80 S ** PH	42 80 R ** PH			Phenolic	Roller				1600
42 80 S ** SS	42 80 R ** SS			Steel	Roller				1600
42 10 S ** RC	42 10 R ** RC	10	2-1/2	Rubber/Cast Iron	Roller	1/2	11-1/2	7-19/32	800
42 10 S ** PC	42 10 R ** PC			Polyurethane/Cast Iron	Roller				2000
42 10 S ** PH	42 10 R ** PH			Phenolic	Roller				2000
42 10 S ** SS	42 10 R ** SS			Steel	Roller				2000

ACCESSORIES OPTIONS FOR 42 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
DW	Double Weld
ZA	Zerk Axle



42 SERIES
HEAVY DUTY CASTERS

44 SERIES MEDIUM HEAVY DUTY CASTERS



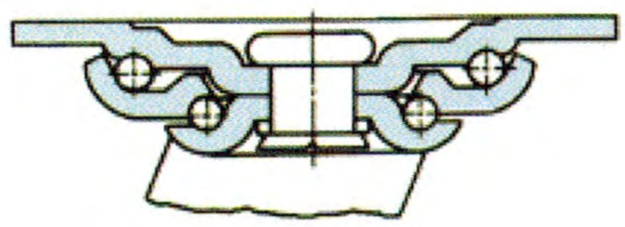




■Features

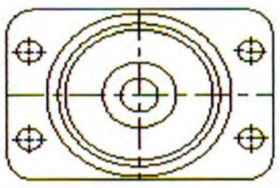
- · 'Cold forged' top plate and yoke base.
- · Hardened raceways.
- · Double row ball bearing swivel raceway construction for extra strength.
- · Zerk fitting in swivel race for lubrication.
- · Finish: All parts except wheel are zinc plated for corrosion resistance.
- · Legs are formed and welded to yoke base to increase strength.

· APPLICATIONS:
Excellent for medium duty platform trucks, food service equipment, large stock carts, etc.



■FASTENING SPECIFICATIONS FOR 44 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3-5/8×3-5/8 to 3×3 Attaching Bolt Size 3/8

44 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
44 40 S ** RC	44 40 R ** RC	4	1-1/2	Rubber/Cast Iron	Roller	1/2	5-5/8	3-3/16	300
44 40 S ** PC	44 40 R ** PC			Polyurethane/Cast Iron	Roller				600
44 40 S ** SS	44 40 R ** SS			Steel	Roller				600
44 40 S ** PH	44 40 R ** PH			Phenolic	Roller				600
44 40 S ** VG	44 40 R ** VG			V-Groove	Roller				600
44 50 S ** RC	44 50 R ** RC	5	1-1/2	Rubber/Cast Iron	Roller	1/2	6-1/2	3-7/8	345
44 50 S ** PC	44 50 R ** PC			Polyurethane/Cast Iron	Roller				750
44 50 S ** SS	44 50 R ** SS			Steel	Roller				750
44 50 S ** PH	44 50 R ** PH			Phenolic	Roller				750
44 60 S ** RC	44 60 R ** RC	6	1-1/2	Rubber/Cast Iron	Roller	1/2	7-1/2	4-9/16	370
44 60 S ** PC	44 60 R ** PC			Polyurethane/Cast Iron	Roller				800
44 60 S ** SS	44 60 R ** SS			Steel	Roller				750
44 60 S ** PH	44 60 R ** PH			Phenolic	Roller				800

ACCESSORIES OPTIONS FOR 44 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard



44 SERIES
MEDIUM HEAVY DUTY CASTERS

45 SERIES PNEUMATIC CASTERS

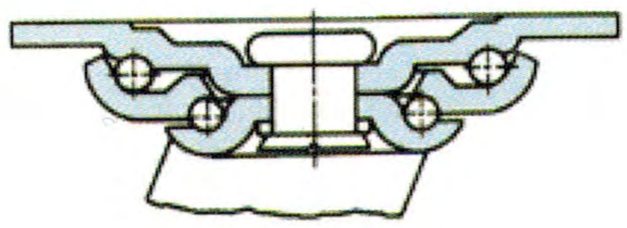




■Features

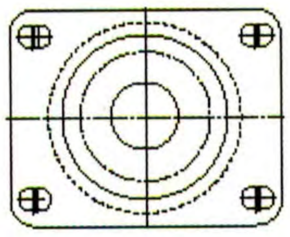
- 'Cold forged' top plate and yoke base.
- Double row ball bearing swivel raceway construction for extra strength.
- Hardened raceways.
- Zerk fitting on swivel race for lubrication.
- Finish: All parts except wheel are zinc plated for corrosion resistance.
- Legs are formed and welded to yoke base to increase strength.
- 5/8 Dia, King pin, 1/2 Axle.
- These are avaliable with Black or Grey Non-Marking Tread wheel.

- APPLICATIONS:
  Cargo containers, food handling equipment, etc.



■FASTENING SPECIFICATIONS FOR 45 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3-5/8 to 3×3 Attaching Bolt Size 3/8
		A2	Overall Size 4-1/2×6-1/4 Bolt Hole Spacing 2-7/16×4-15/16 to 3×3/8×5-1/4 Attaching Bolt Size 1/2
		A3	Overall Size 5×5-1/2 Bolt Hole Spacing 4×4-1/8 Attaching Bolt Size 1/2
		A4	Overall Size 4×5 Bolt Hole Spacing 3×4 to 2-9/16×3-1/2 (Reverse slot Pattern) Attaching Bolt Size 3/8

45 SERIES SPECIFICATIONS

Unit : inch , Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
40 60 S ** PN	40 60 R ** PN	6	2	Pneumatic	Ball	1/2	8"	4-1/4	270
45 80 S ** PN	45 80 R ** PN	8	2-1/2	Pneumatic	Ball	1/2	10	6-5/8	350
45 10 S ** PN	45 10 R ** PN	10	3-1/2	Pneumatic	Ball	1/2	12	8-1/4	350
40 60 S ** PNP FF	40 60 R ** PNP FF	6	2	Flat Free Pneumatic	Ball	1/2	8	4-1/4	270
45 80 S ** PNP FF	45 80 R ** PNP FF	8	2-1/2	Flat Free Pneumatic	Ball	1/2	10	6-5/8	350
45 10 S ** PNP FF	45 10 R ** PNP FF	10	3-1/2	Flat Free Pneumatic	Ball	1/2	12	8-1/4	350

ACCESSORIES OPTIONS FOR 45 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
SWL	Swivel Lock
BP	Brass Plated



45 SERIES

PNEUMATIC CASTERS

NSF®

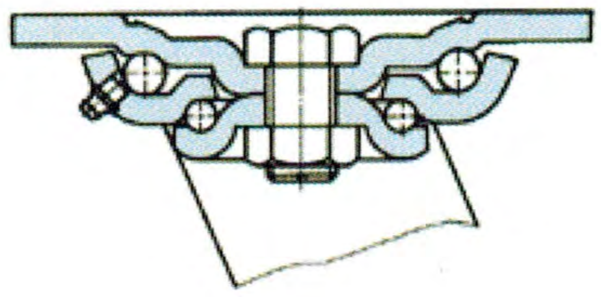
48 SERIES MEDIUM HEAVY DUTY CASTERS



■Features

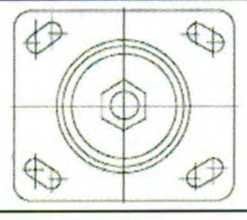
- 'Cold forged' top plate and base.
- Double row ball bearing swivel raceway construction for extra strength.
- Hardened rig.
- Finish: All parts except wheel are zinc plated for corrosion resistance.
- No welding

- **APPLICATIONS:**
  Excellent for medium heavy duty platform trucks, food service equipment, large stock carts, etc.



■FASTENING SPECIFICATIONS FOR 48 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 3-15/16×4-1/2 Bolt Hole Spacing 2-5/8×3-5/8 to 3×3 Attaching Bolt Size 3/8

■48SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
48 60 S ** RC	–	6	2	Rubber/Cast Iron	Roller	1/2	7-1/2	4-37/64	450
48 60 S ** PC	–			Polyurethane/Cast Iron	Roller				800
48 60 S ** PU	–			Polyurethane/Plastic	Roller/Delrin				800
48 60 S ** HP	–			Heavy Duty Plastic	Roller				700
48 60 S ** PH	–			Phenolic	Roller				800
48 60 S ** SS	–			Steel	Roller				800
48 60 S ** VG	–			V-Groove	Roller				800
48 60 S ** INF	–			Infiniti	Roller				600

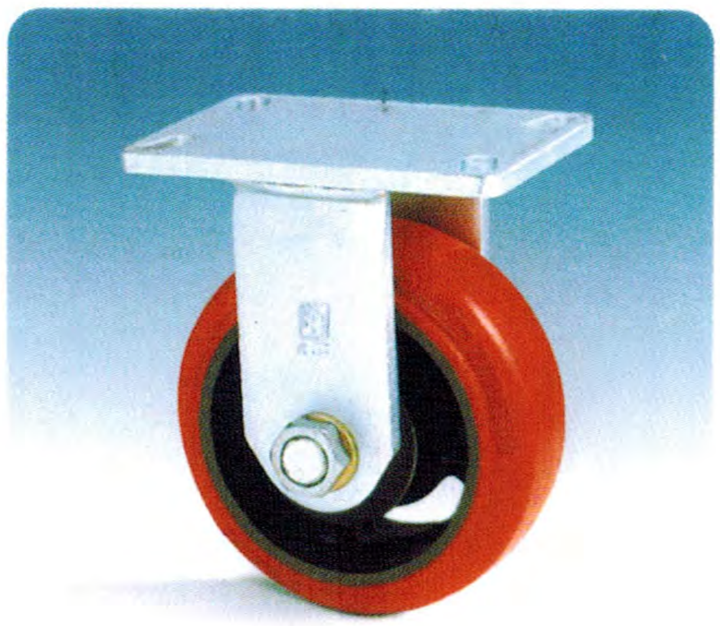
■ACCESSORIES OPTIONS FOR 48 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake (on/off Clip Type)
TG	Thread Guard(Roller Bearing Only)
ZA	Zerk Axle

SUPER HEAVY DUTY CASTERS 50 SERIES



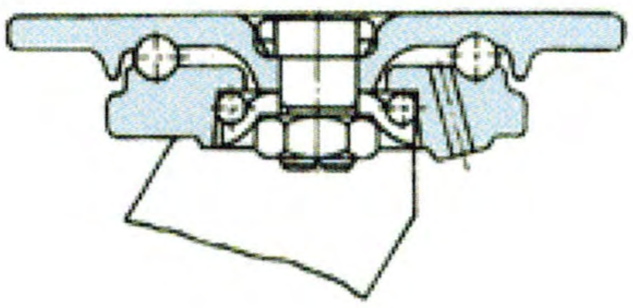




■Features

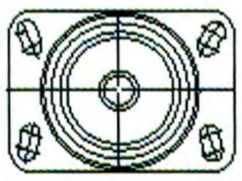
- Top plate: AISI 1045 drop forged steel.
- 3/4″King pin Axle & Nut.
- 3/8 Thickness Legs.
- Heat treated raceway.
- Zinc plated for corrosion resistance.

- APPLICATIONS:
  Heavy duty carts.



■FASTENING SPECIFICATIONS FOR 50 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 4-1/2×6-1/4 Bolt Hole Spacing 2-7/16×4-15/16 to 3-3/8×5-1/4 Attaching Bolt Size 1/2

■50 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
50 60 S ** RC	50 60 R ** RC	6	2-1/2	Rubber/Cast Iron	Roller	3/4	7-1/2	4-7/8	550
50 60 S ** SS	50 60 R ** SS			Steel	Roller				1700
50 60 S ** PC	50 60 R ** PC			Polyurethane/Cast Iron	Roller				1600
50 60 S ** PH	50 60 R ** PH			Phenolic	Roller				1600
50 80 S ** RC	50 80 R ** RC	8	2-1/2	Rubber/Cast Iron	Roller	3/4	10-1/8	6-13/16	820
50 80 S ** SS	50 80 R ** SS			Steel	Roller				1900
50 80 S ** PC	50 80 R ** PC			Polyurethane/Cast Iron	Roller				1900
50 80 S ** PH	50 80 R ** PH			Phenolic	Roller				2000
50 10 S ** RC	50 10 R ** RC	10	2-1/2	Rubber/Cast Iron	Roller	3/4	11-7/8	8-1/4	900
50 10 S ** SS	50 10 R ** SS			Steel	Roller				2200
50 10 S ** PC	50 10 R ** PC			Polyurethane/Cast Iron	Roller				2200
50 10 S ** PH	50 10 R ** PH			Phenolic	Roller				2500

51 SERIES SUPER HEAVY DUTY CASTERS

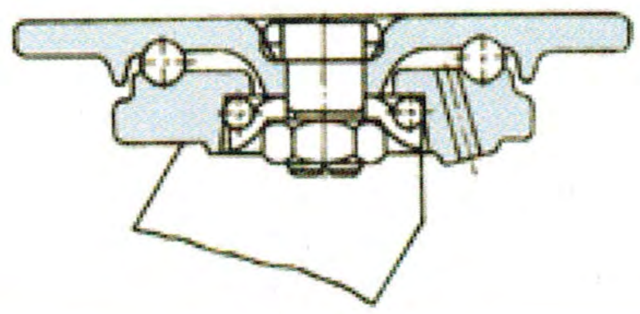




■Features

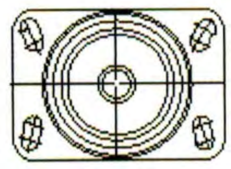
- Top plate: AISI 1045 drop forged steel.
- 3/4" king bolt and nut.
- Heat treated raceway.
- Zinc plated for corrosion resistance.

- APPLICATIONS:
  Heavy duty carts.



■FASTENING SPECIFICATIONS FOR 51 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2

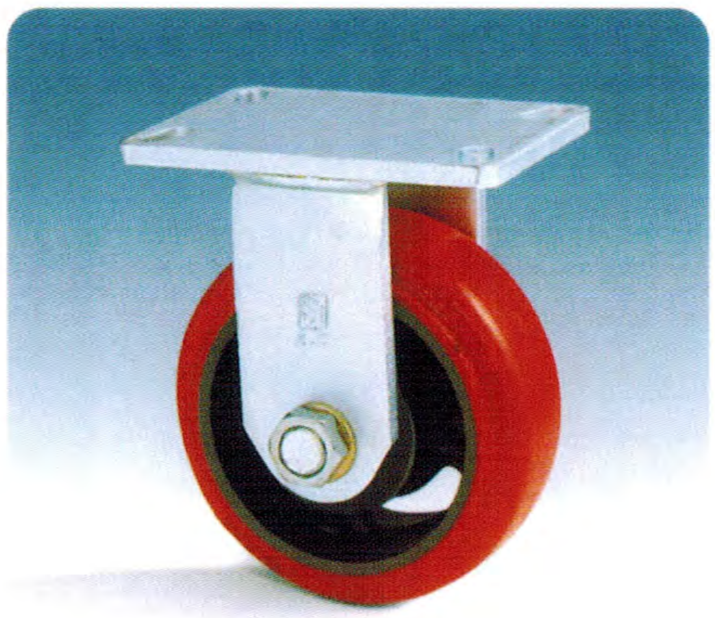
■51 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
51 50 S ** RC	51 50 R ** RC	5	2	Rubber/Cast Iron	Roller	1/2	6-1/2		375
51 50 S ** PC	51 50 R ** PC			Polyurethane/Cast Iron	Roller				1000
51 50 S ** PU	51 50 R ** PU			Polyurethane/Plastic	Roller				770
51 50 S ** HP	51 50 R ** HP			Heavy Duty Plastic	Roller				650
51 50 S ** PH	51 50 R ** PH			Phenolic	Roller				1000
51 50 S ** SS	51 50 R ** SS			Steel	Roller				1000
51 50 S ** VG	51 50 R ** VG			V-Groove	Roller				800
51 60 S ** RC	51 60 R ** RC	6	2	Rubber/Cast Iron	Roller	1/2	7-1/2		450
51 60 S ** PC	51 60 R ** PC			Polyurethane/Cast Iron	Roller				1200
51 60 S ** PU	51 60 R ** PU			Polyurethane/Plastic	Roller				900
51 60 S ** HP	51 60 R ** HP			Heavy Duty Plastic	Roller				700
51 60 S ** PH	51 60 R ** PH			Phenolic	Roller				1200
51 60 S ** SS	51 60 R ** SS			Steel	Roller				1200
51 60 S ** VG	51 60 R ** VG			V-Groove	Roller				900
51 80 S ** RC	51 80 R ** RC	8	2	Rubber/Cast Iron	Roller	1/2	10-1/2		500
51 80 S ** PC	51 80 R ** PC			Polyurethane/Cast Iron	Roller				1400
51 80 S ** PU	51 80 R ** PU			Polyurethane/Plastic	Roller				1000
51 80 S ** HP	51 80 R ** HP			Heavy Duty Plastic	Roller				900
51 80 S ** PH	51 80 R ** PH			Phenolic	Roller				1400
51 80 S ** SS	51 80 R ** SS			Steel	Roller				1400
51 80 S ** VG	51 80 R ** VG			V-Groove	Roller				1000

SUPER HEAVY DUTY CASTERS 53 SERIES



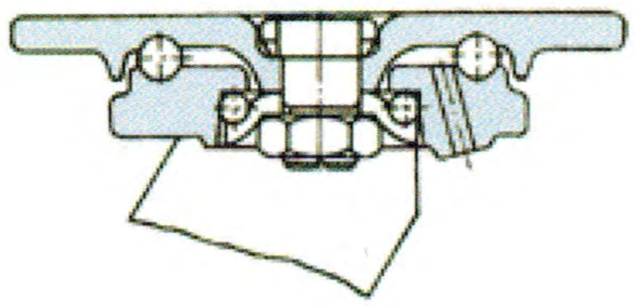




■Features

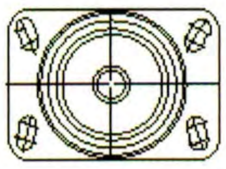
- Top plate: AISI 1045 drop forged steel.
- 3/4″King pin Axle & Nut.
- 3/4 thickness legs.
- Heat treated raceway.
- Zinc plated for corrosion resistance.

· APPLICATIONS:
Super Heavy duty carts.



■FASTENING SPECIFICATIONS FOR 53 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 5-1/4×7-1/4 Bolt Hole Spacing 4-1/8×6-1/8 to 3-3/8×5-1/4 Attaching Bolt Size 3/4

■53 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
53 60 S ** RC 53 60 S ** PC 53 60 S ** PH 53 60 S ** SS	53 60 R ** RC 53 60 R ** PC 53 60 R ** PH 53 60 R ** SS	6	3	Rubber/Cast Iron Polyurethane/Cast Iron Phenolic Steel	Roller Roller Roller Roller	3/4	8	5-3/4	750 2000 2000 2000
53 80 S ** RC 53 80 S ** PC 53 80 S ** PH 53 80 S ** SS	53 80 R ** RC 53 80 R ** PC 53 80 R ** PH 53 80 R ** SS	8	3	Rubber/Cast Iron Polyurethane/Cast Iron Phenolic Steel	Roller Roller Roller Roller	3/4	10-1/2	6-3/4	900 2500 2500 2500
53 10 S ** RC 53 10 S ** PC 53 10 S ** PH 53 10 S ** SS	53 10 R ** RC 53 10 R ** PC 53 10 R ** PH 53 10 R ** SS	10	3	Rubber/Cast Iron Polyurethane/Cast Iron Phenolic Steel	Roller Roller Roller Roller	3/4	12-1/2	7-1/2	1000 3000 2900 2500
53 12 S ** RC 53 12 S ** PC 53 12 S ** PH 53 12 S ** SS	53 12 R ** RC 53 12 R ** PC 53 12 R ** PH 53 12 R ** SS	12	3	Rubber/Cast Iron Polyurethane/Cast Iron Phenolic Steel	Roller Roller Roller Roller	3/4	15-1/2	9-1/4	1200 3200 3200 3000

70 SERIES HEAVY DUTY CASTERS

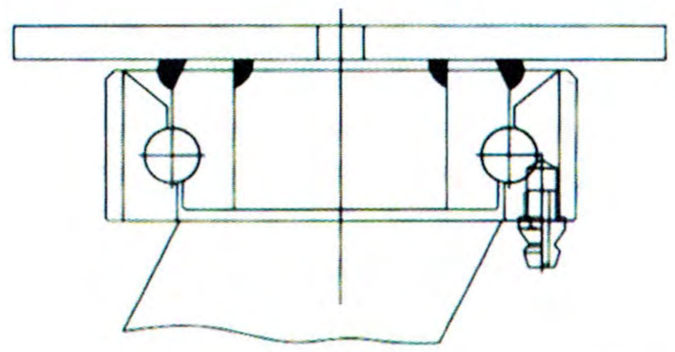


■Features

- Kingpinless style for Extra Heavy Duty
- Precision machined (CNC)raceways.
- Carburizing Heat-treatment for long-life using.
- Zinc-Plated for corrosion resistance
- Zerk grease fitting on swivel raceway
- Can be used with 4-position swivel lock

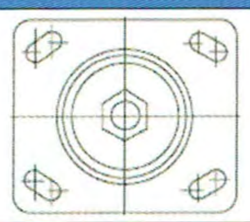
- APPLICATIONS:
  Extra Heavy Duty caster

※ Roller Bearing is optional.



■FASTENING SPECIFICATIONS FOR 70 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	3-15/16×4-1/2 2-5/8×3-5/8 to 3×3 3/8

■70SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
70 40S ** PC 70 40S ** PH 70 40S ** SS 70 40S ** RC	–	4	2	Polyurethane/Cast Iron Phenolic Steel Rubber/Cast Iron	Ball Roller Ball Roller	1/2	5-5/8	3-3/16	700 700 700 350
70 50S ** PC 70 50S ** PH 70 50S ** SS 70 50S ** RC	–	5	2	Polyurethane/Cast Iron Phenolic Steel Rubber/Cast Iron	Ball Roller Ball Roller	1/2	6-1/2	3-7/8	1000 1000 1000 400
70 60S ** PC 70 60S ** PH 70 60S ** SS 70 60S ** RC	–	6	2	Polyurethane/Cast Iron Phenolic Steel Rubber/Cast Iron	Ball Roller Ball Roller	1/2	7-1/2	4-37/64	1200 1200 1200 450
70 80S ** PC 70 80S ** PH 70 80S ** SS 70 80S ** RC	–	8	2	Polyurethane/Cast Iron Phenolic Steel Rubber/Cast Iron	Ball Roller Ball Roller	1/2	9-1/2	6	1400 1400 1400 500

■ACCESSORIES OPTIONS FOR 70 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Cam Brake
TG	Thread Guard(Roller Bearing Only)
BG	Beige Color Wheel Arailable
SWL	4 Position Swivel Lock

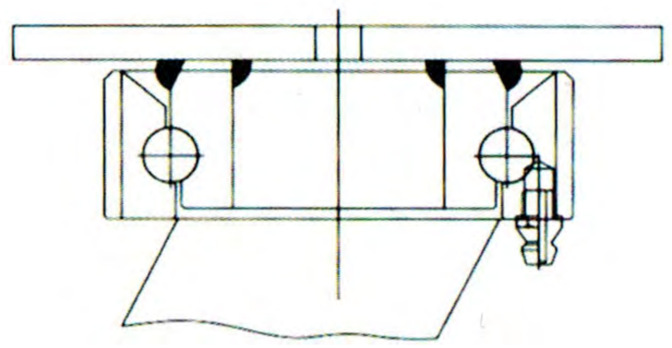
SUPER HEAVY DUTY CASTERS 71 SERIES



■Features

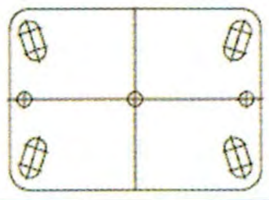
- Kingpinless style for Extra Heavy Duty
- Precision machined (CNC)raceways.
- Carburizing Heat-treatment for long-life using.
- Zinc-Plated for corrosion resistance
- Zerk grease fitting on swivel raceway
- Can be used with 4-position swivel lock

- **APPLICATIONS:**
  Extra Heavy Duty caster



■FASTENING SPECIFICATIONS FOR 71 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2

■71 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
71 60S ** PC 71 60S ** RC 71 60S ** SS	–	6	2-1/2	Polyurethane/Cast Iron Rubber/Cast Iron Steel	Roller / Ball	3/4	7-1/2	4-9/16	1600 550 1400
71 80S ** PC 71 80S ** RC 71 80S ** SS	–	8	2-1/2	Polyurethane/Cast Iron Rubber/Cast Iron Steel	Roller / Ball	3/4	10-1/8	6-1/2	1900 700 1800
71 10S ** PC 71 10S ** SS	–	10	2-1/2	Polyurethane/Cast Iron Steel	Roller / Ball	3/4	11-7/8	7-61/64	2200 2000

■ACCESSORIES OPTIONS FOR 71 SERIES

ACCESSORIES CODE	DESCRIPTION
TG	Thread Guard(Roller Bearing Only)
BG	Beige Color Wheel Arailable
SWL	4 Position Swivel Lock

80 SERIES LEVELER CASTERS (KC 60/80/100)

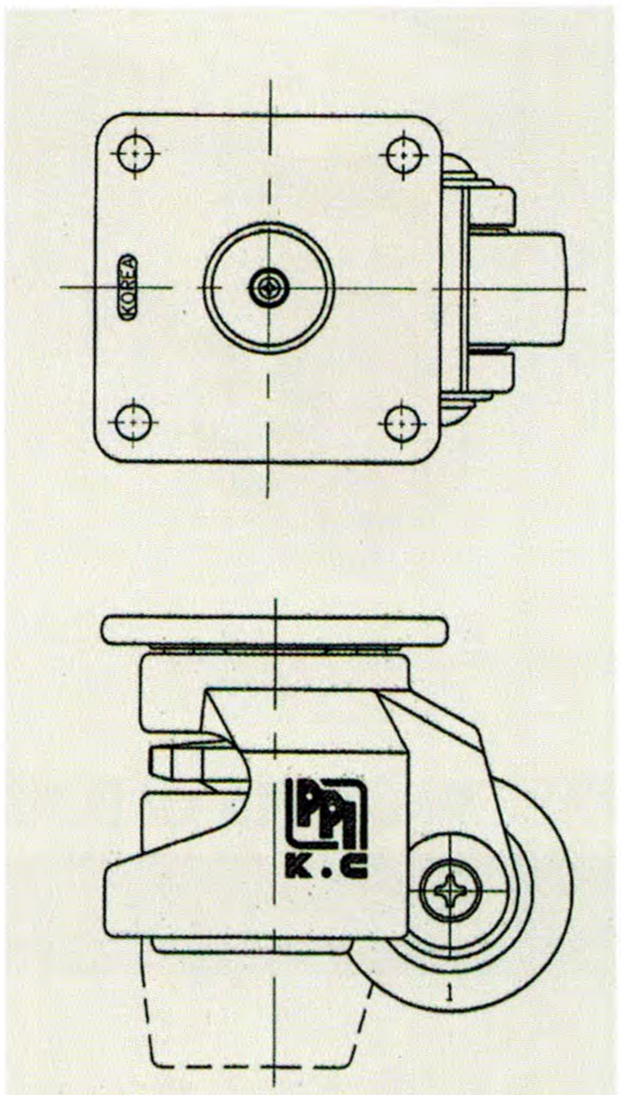
NEW



F-TYPE



S-TYPE



F-TYPE

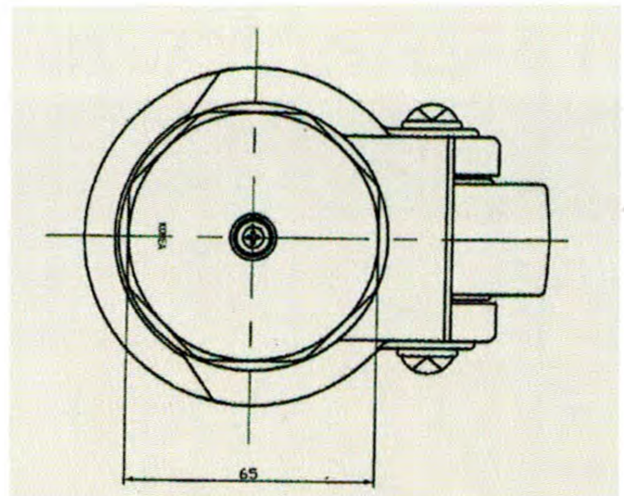
■Accessories

- F TYPE - Top plate, fastening bolt & nut included.
- S TYPE - Hexagon top plate, fastening bolt & nut included.

■Features

· The steel inserted frame is diecasted with aluminum alloy to ensure heavy load applications.
· The wheel is injected with precisely engineered plastic nylon (NYLON6) for strength and durability.
· The leveling pad is made from chemically compounded rubber (NBR) for extra strength and anti corrosion.
· Easily interchangeable between stationary and mobile, excellent mobility, easy height adjustment control.
· Powder coated over zinc plated body, makes for a very clean and attractive appearance.
· Drop forged top plate(S45C).

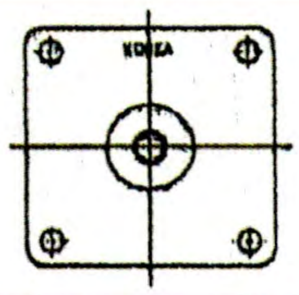
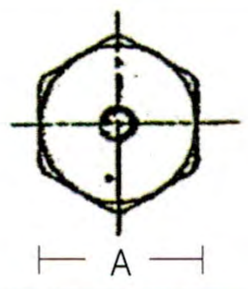
· APPLICATIONS:
Test, medical, optical, clean room equipments; frame of light weight computers, control panels, switch boards, furniture and etc.



S-TYPE

FASTENING SPECIFICATIONS FOR 80 SERIES

Unit : inch

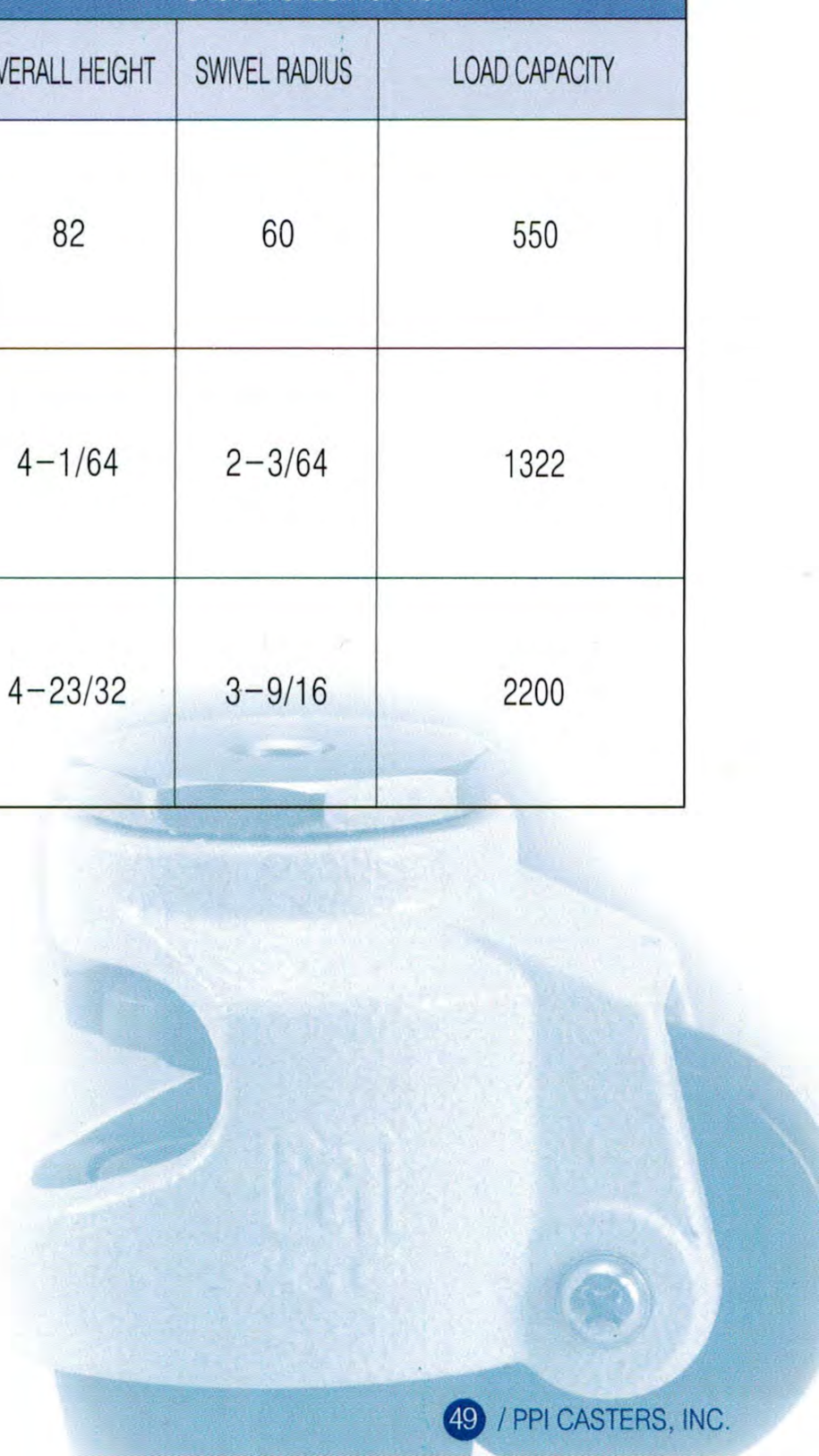
TYPE	FASTENING TYPE	FASTENING SHAPE	APPLICATION	FASTENING SPECIFICATION		
				OVERALL SIZE	BOLT HOLE SPACING	BOLT SIZE
F-TYPE	TOP PLATE		KC60F	2-7/8X2-7/8	2-9/32X2-9/32	4-M6XP1.0X20L
			KC80F	3-17/32X3-17/32	2-3/4X2-3/4	4-M8XP1.25X20L
			KC100F	3-3/4X3-3/4	2-3/4X2-3/4	4-M10XP1.5X25L
S-TYPE	HEXAGON TOP PLATE & SET SCREW		KC60S	Width-Across-Flat A : 1-13/16	Center Hole M12XP1.75	M12XP1.75X30L
			KC80S	Width-Across-Flat A : 2-9/16	Center Hole M12XP1.75	M12XP1.75X40L
			KC100S	Width-Across-Flat A : 2-9/16	Center Hole M16XP2.0	M16XP2.0X40L

80 SERIES SPECIFICATIONS

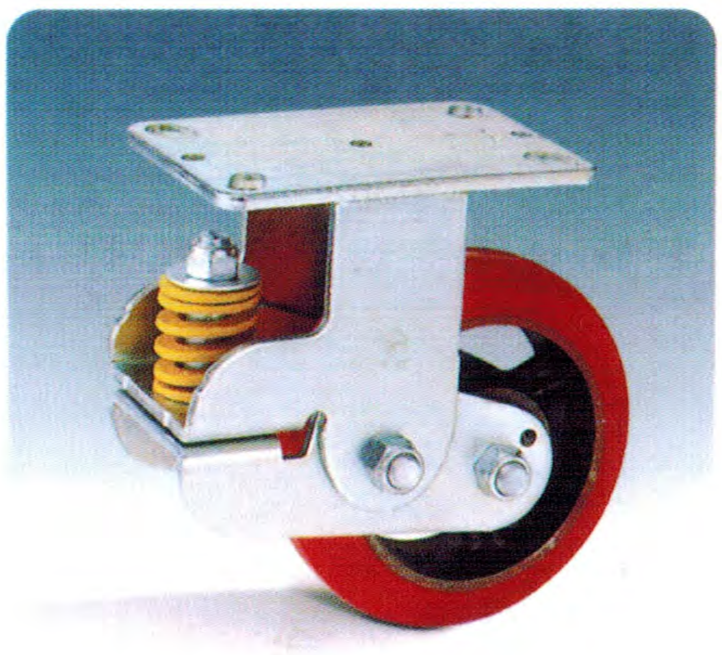
Unit : inch, Lbs

CASTER PART NUMBER	WHEEL SPECIFICATION					CASTER SPECIFICATION		
	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
KC60F (8020S F NYLON)	2	61/64	NYLON-6	PLAIN	Ø10	82	60	550
KC60S (8020S S NYLON)								
KC80F (8025S F NYLON)	2-1/2	1-9/64	NYLON-6	PLAIN	Ø12	4-1/64	2-3/64	1322
KC80S (8025S S NYLON)								
KC100F (8030S F NYLON)	3	1-3/16	NYLON-6	PLAIN	Ø12	4-23/32	3-9/16	2200
KC100S (8030S S NYLON)								

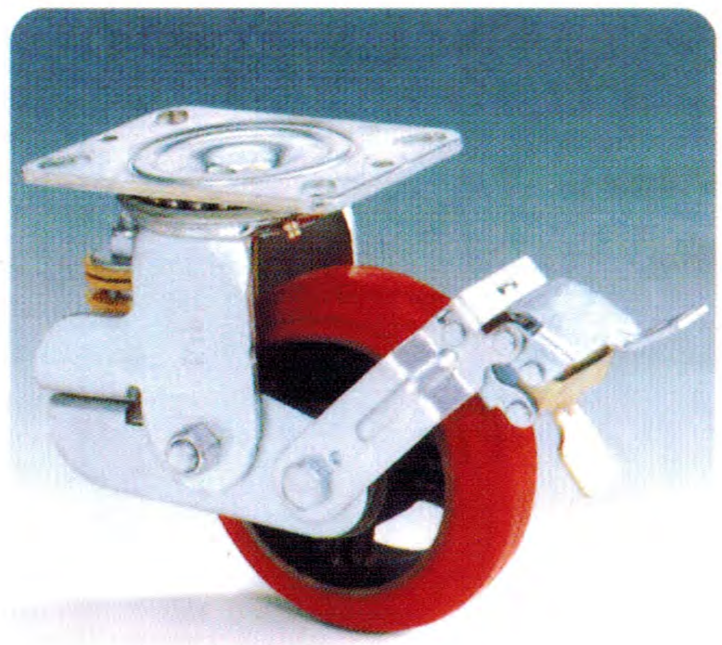
80 SERIES
LEVELER CASTERS



94 SERIES SHOCK ABSORBER CASTERS



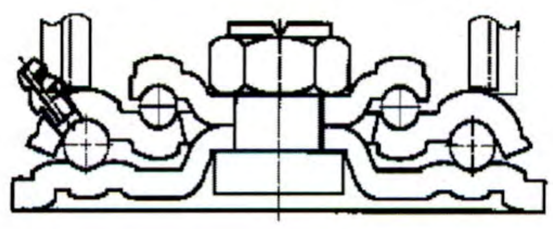




■Features

- Medium to high capacity.
- Load springs are interchangeable.
- Double row ball bearing raceway construction for strength.
- Heat treated raceway.

- APPLICATIONS:
  Loads requiring shock absorbing cart.



■SPRING SPECIFICATIONS

SPRING SPECIFICATION		
THICKNESS	3/32×5/32	
M. Opening	2”	
M. Deflection	1-1/32 Deflection	
Loaded Weight	9/32 Deflection	165LBS±10%
	25/32 Deflection	550LBS±10%
Color	Yellow	

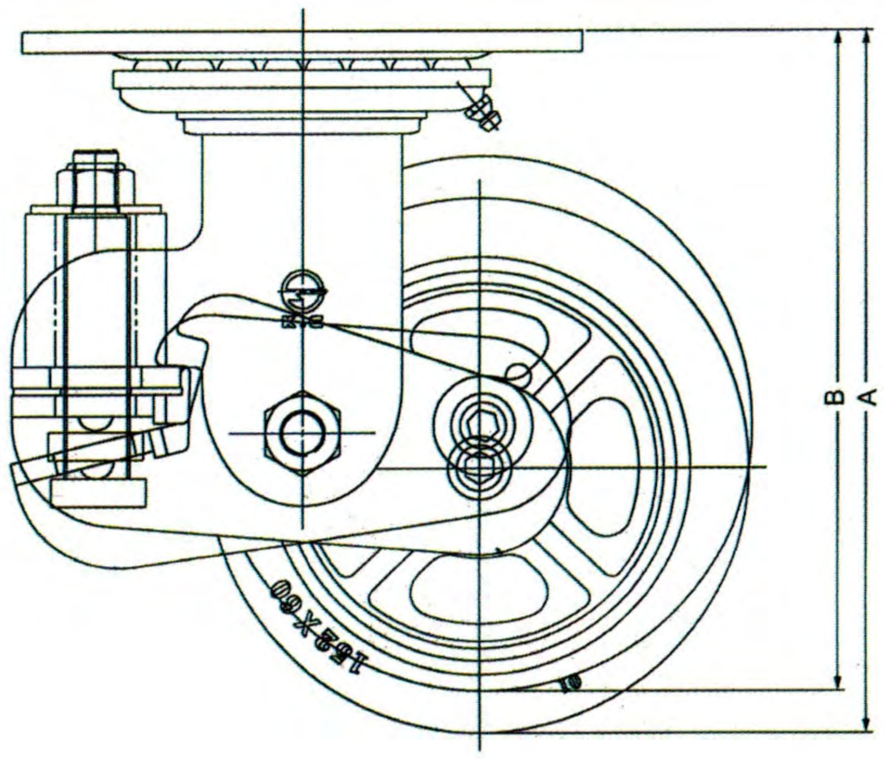
Restricted Springs per Load-Weight

NO	Application	Specification			Code	Color	Standard Load(Weight)	Remark
1	Medium Duty	O.D.	I.D.	L.	TF	Yellow	90kg	Standard
2	Heavy Duty	Φ40	Φ20	50L	TM	Red	220kg	Special Request Only
					TH	Green	480kg	

Spring Action(Overall Height)

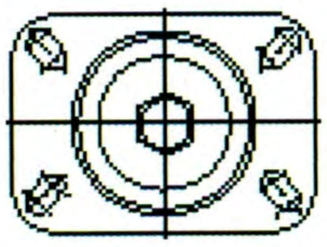
Unit : mm

TYPE	A(M. Opening)	B(M. Deflection)	Deviation
4”	174.8	162.9	11.9
5”	187.5	175.6	11.9
6”	200	188	12
8”	252	234.2	17.8



FASTENING SPECIFICATIONS FOR 94 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-1/2×6-1/4 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2
		A2	Overall Size Bolt Hole Spacing Attaching Bolt Size	4-31/32×6-7/32 2-7/16×4-15/16 to 3-3/8×5-1/4 1/2

94 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	XLÆ DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
94 50 S ** RC	94 50 R ** RC	5	2	Rubber/Cast Iron	Ball(6203)	1/2	7-3/8	4-15/32	375
94 50 S ** PC	94 50 R ** PC			Polyurethane/Cast Iron	Ball(6203)				550
94 60 S ** RC	94 60 R ** RC	6	2	Rubber/Cast Iron	Ball(6203)	1/2	7-7/8	5	400
94 60 S ** PC	94 60 R ** PC			Polyurethane/Cast Iron	Ball(6203)				700
94 60 S ** PH	94 60 R ** PH			Phenolic	Roller				700
94 60 S ** SS	94 60 R ** SS			Steel	Roller				770
94 60 S ** VG	94 60 R ** VG			V-Groove	Roller				770
94 60 S ** RC(w)	94 60 R ** RC(w)	6	2-1/2	Rubber/Cast Iron	Ball(6204)	1/2	7-7/8	5	460
94 60 S ** PC(w)	94 60 R ** PC(w)			Polyurethane/Cast Iron	Ball(6204)				990
94 60 S ** PH(w)	94 60 R ** PH(w)			Phenolic	Roller				880
94 60 S ** SS(w)	94 60 R ** SS(w)			Steel	Roller				1000
94 80 S ** RC	94 80 R ** RC	8	2	Rubber/Cast Iron	Ball(6203)	1/2	10	7	500
94 80 S ** PC	94 80 R ** PC			Polyurethane/Cast Iron	Ball(6203)				880
94 80 S ** PH	94 80 R ** PH			Phenolic	Roller				990
94 80 S ** SS	94 80 R ** SS			Steel	Roller				1000
94 80 S ** VG	94 80 R ** VG			V-Groove	Roller				1000
94 80 S ** RC(w)	94 80 R ** RC(w)	8	2-1/2	Rubber/Cast Iron	Ball(6204)	1/2	10	7	700
94 80 S ** PC(w)	94 80 R ** PC(w)			Polyurethane/Cast Iron	Ball(6204)				1210
94 80 S ** PH(w)	94 80 R ** PH(w)			Phenolic	Roller				1100
94 80 S ** SS(w)	94 80 R ** SS(w)			Steel	Roller				1400

OVERALL HEIGHT

PART NUMBER	MINIMUM (Deflection)	MAXIMUM (Opening)
9450	6-31/32	7-3/8
9460	7-25/64	7-7/8
9480	9-7/32	9-59/64

ACCESSORIES OPTIONS FOR 94 SERIES

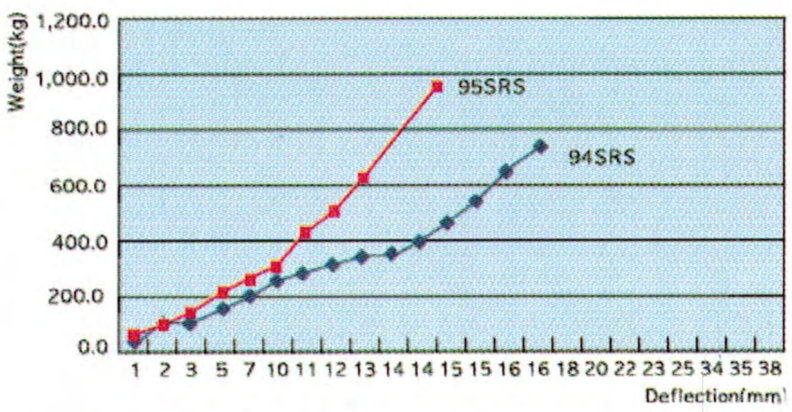
ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake
TG	Thread Guard

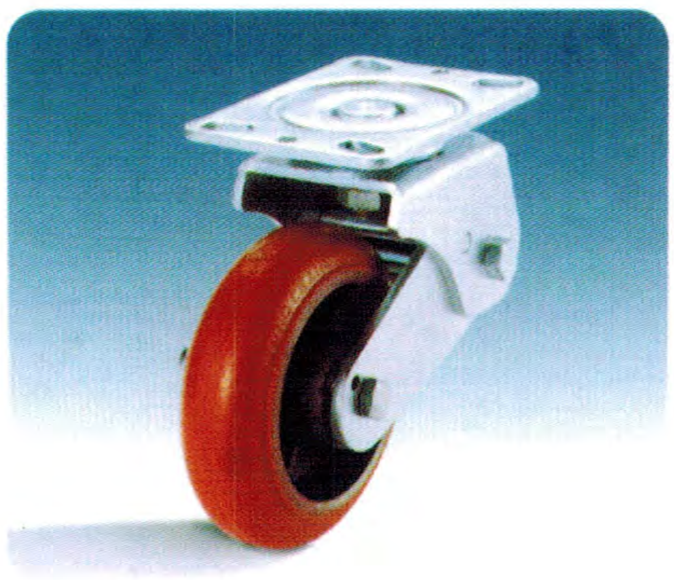
95 SERIES

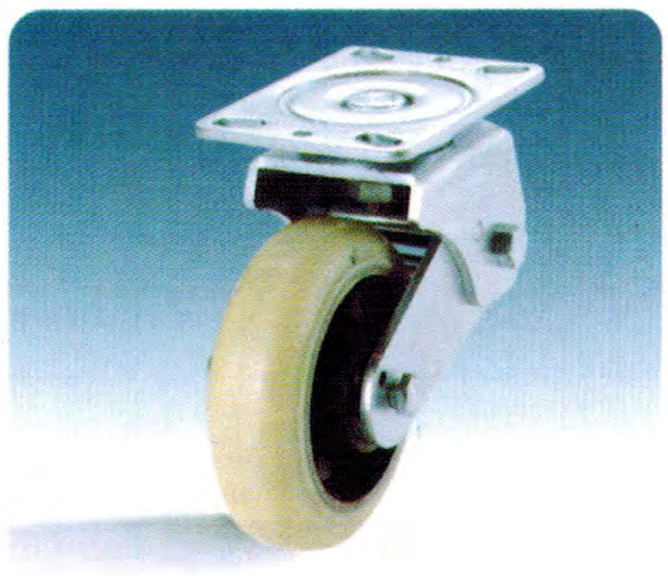
NOISE-FREE SHOCK ABSORBER CASTERS

NEW

Deflects (mm)	Loaded Weight(kgf)	
	9460SRS	9560SRS
1.0	25.0	50.0
2.0	110.0	105.0
3.0	130.0	160.0
5.0	170.0	210.0
7.0	210.0	265.0
10.0	275.0	320.0







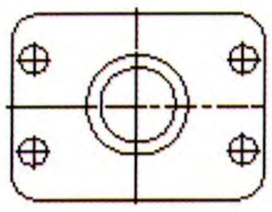
■Features

- Innovative design high tension rubber absorber.
- Standard Thrust Ball bearing.
- Dynamic Construction.
- Adopting.

- **APPLICATIONS:**
  Loads requiring shock absorbing cart

■FASTENING SPECIFICATIONS FOR 95 SERIES

Unit : inch

FASTENING TYPE	FASTENING SHAPE	FASTENING CODE NO	SPECIFICATION
TOP PLATE		A1	Overall Size 4-1/2×6-1/4 Bolt Hole Spacing 2-7/16×4-15/16 to 3-3/8×5-1/4 Attaching Bolt Size M12

■95 SERIES SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	BEARING	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
95 50 S ** RC	95 50 R ** RC	5	2	Rubber/Cast Iron	Ball(6203)	1/2	7-3/8	4-21/32	375
95 50 S ** PC	95 50 R ** PC			Polyurethane/Cast Iron	Ball(6203)				550
95 60 S ** RC	95 60 R ** RC	6	2	Rubber/Cast Iron	Ball(6203)	1/2	7-7/8	5-5/32	450
95 60 S ** PC	95 60 R ** PC			Polyurethane/Cast Iron	Ball(6203)				770
95 60 S ** PH	95 60 R ** PH			Phenolic	Roller				700
95 60 S ** SS	95 60 R ** SS			Steel	Roller				770
95 60 S ** VG	95 60 R ** VG			V-Groove	Roller				770
95 80 S ** RC	95 80 R ** RC	8	2	Rubber/Cast Iron	Ball(6203)	1/2	5-59/64	4-21/32	500
95 80 S ** PC	95 80 R ** PC			Polyurethane/Cast Iron	Ball(6203)				550
95 80 S ** PH	95 80 R ** PH			Phenolic	Rolle				880
95 80 S ** SS	95 80 R ** SS			Steel	Rolle				1000

■ACCESSORIES FOR 95 SERIES

ACCESSORIES CODE	DESCRIPTION
TB	Top Lock Brake(On/Off Type)
TG	Thread Guard(Roller Bearing Only)
BG	Beige Color Wheel Available

FLOOR LOCKS



■Features

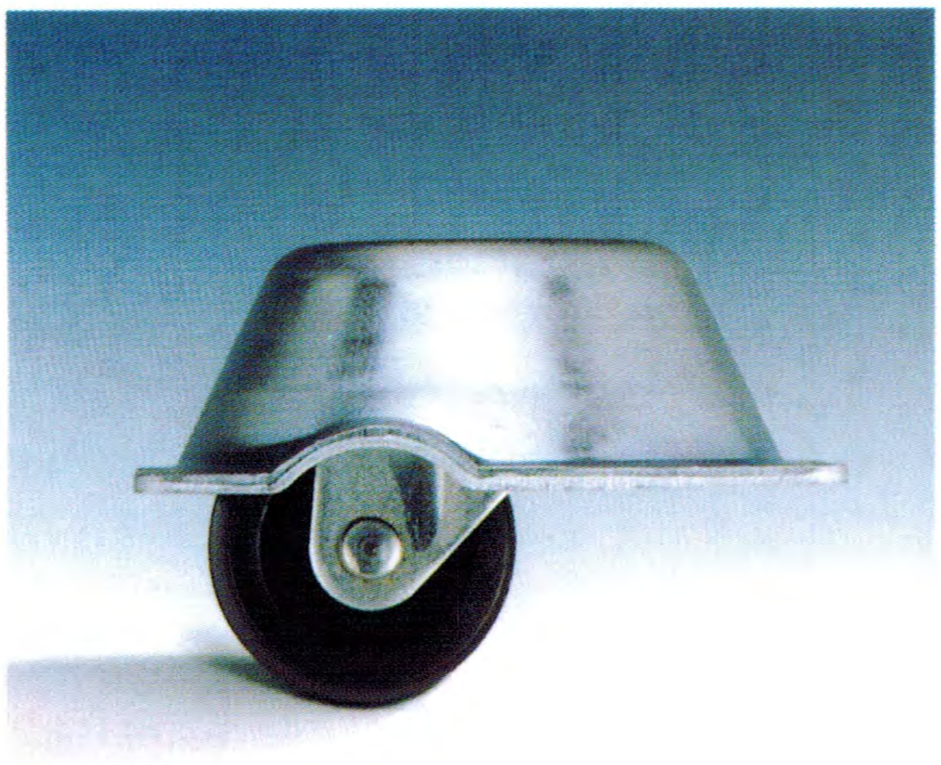
- Welded Steel Construction.
- Zink Plated.
- Non-Slip Rubber Foot.
- Foot operated.
- **FOR USE WITH CASTER SERIES:**
  40, 42

Unit : inch, Lbs

PART NUMBER	SIZE	EXT HEIGHT	RETRACTED HEIGHT	THROW	FASTENING SPECIFICATION
FL 4040	4	5-5/8	5-5/16	9/16	Overall Size 3-15/16×4-1/2
FL 4050	5	6-1/2	5-1/2	1	Bolt Hole Spacing 2-5/8×3-21/32 to 3×2-31/32
FL 4060	6	7-1/2	6-1/2	1	Attaching Bolt Size 3/8
FL 4080	8	9-1/2	8-1/2	1	

FLOOR LOCKS
FLOOR LOCKS

REFRIGERATOR CASTERS





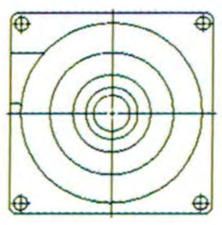
■Features

· Injection molded Nylon.
· Withstand very high impact.

· **APPLICATIONS:**
Refrigerator

FASTENING SPECIFICATIONS

Unit : inch, Lbs

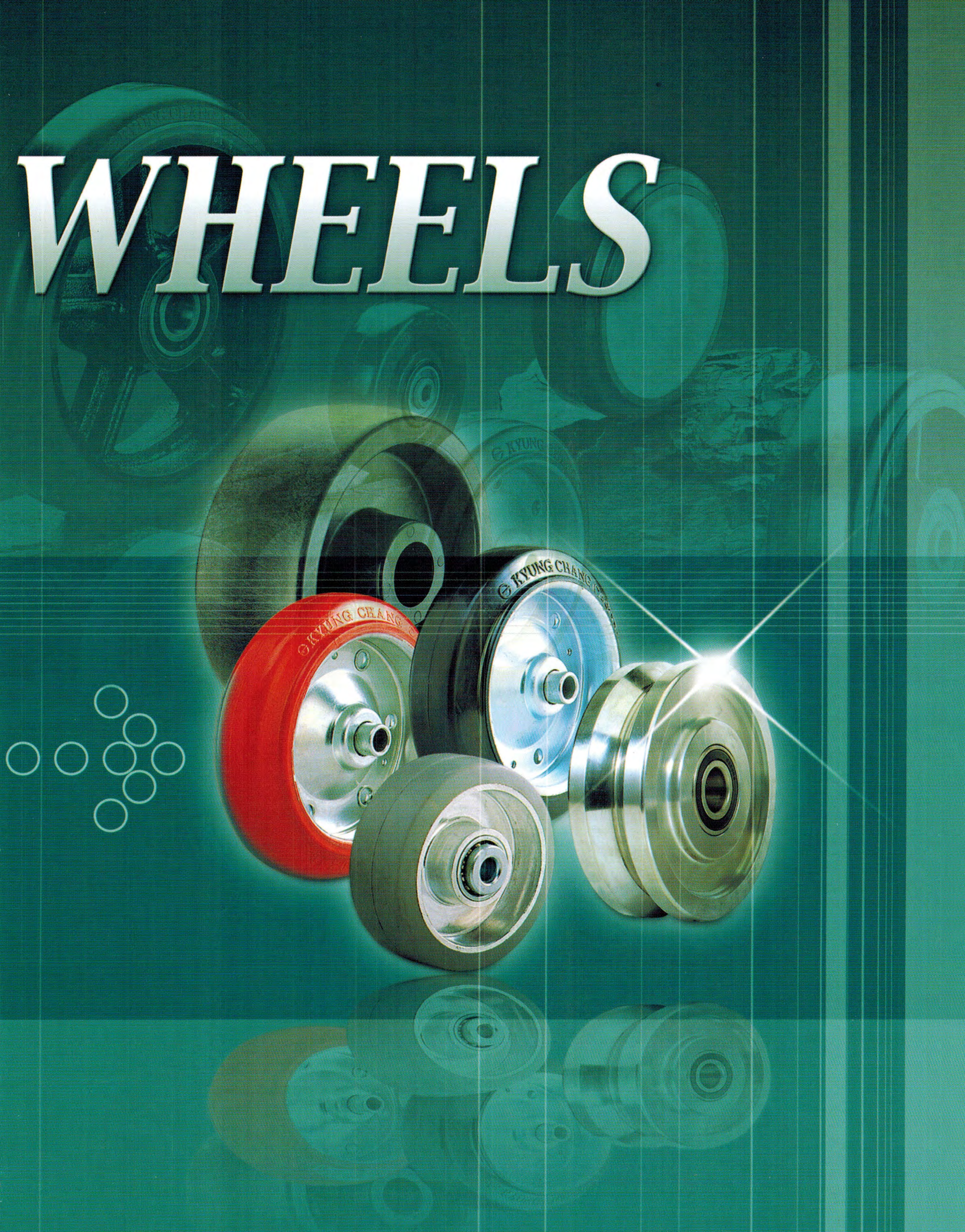
FASTENING TYPE	FASTENING SHAPE	CODE NO	SPECIFICATION	
TOP PLATE		A1	Overall Size Bolt Hole Spacing Attaching Bolt Size	3-17/32×3-17/32 3-5/32×3-5/32 1/4(M6)

CATER SPECIFICATIONS

Unit : inch, Lbs

CASTER PART NUMBER		WHEEL SPECIFICATION					CASTER SPECIFICATION		
SWIVEL	RIGID	DIAMETER	TREAD WIDTH	TYPE	Bearing	AXLE DIA	OVERALL HEIGHT	SWIVEL RADIUS	LOAD CAPACITY
0015 S A1 NYL	-	1-1/2	1	Nylon	Plain	1/4	4	1-3/20	275

WHEELS



CROSS SECTIONAL VIEW OF WHEELS

SR / HR
2″ ~ 5″ (50 ~127mm)

- Soft/Hard Rubber
- Steel or Nylon Bush available
- For Light & Medium Duty Caster



RSD
6″ (152mm)

- Rubber Treaded on Steel Disk
- Ball Bearing
- Medium Duty Caster



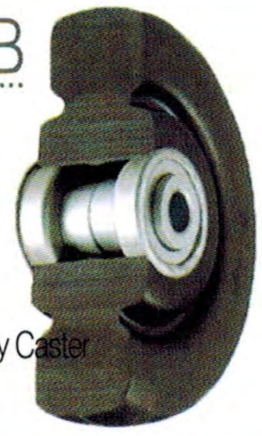
PN
2″ ~ 5″ (50 ~127mm)

- Pneumatic Wheels
- Ball Bearing
- Black & Grey colors are available



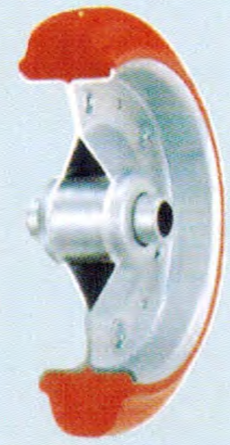
SBB / HBB
3″ ~ 5″ (76 ~127mm)

- Soft/Hard Rubber
- Ball bearing
- Easy Ralling
- ForLight & Medium Duty Caster



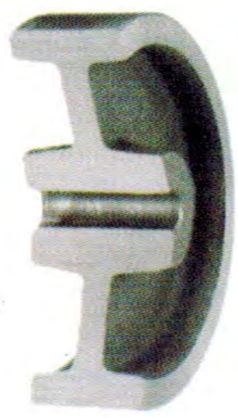
PSD
6″ (152mm)

- Polyurethane Treaded on Steel Disk
- Ball Bearing
- For Medium Duty Caster



SS
4″ (102mm)

- Steel Wheel
- For Heavy Duty Casters



PU
2″ ~ 8″ (50 ~203mm)

- Polyurethane Treaded on Polyolefin Core
- Factory available for Various Colors
- For Light & Medium Duty Caster



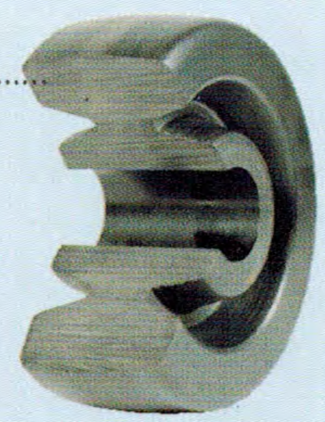
PR
4″ (102mm)

- Rubber Treaded on Polyolefin Core
- Factory available forVarious Colors
- For Medium Duty Caster



PH
4″ ~ 12″

- Phenolic
- Roller Bearing
- For Medium Heavy Duty Casters



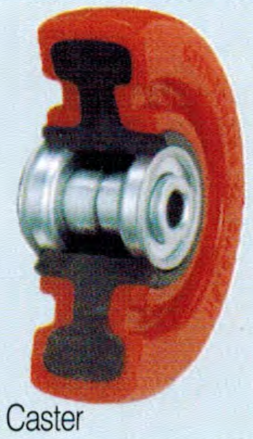
RC
4″ ~ 8″ (102 ~203mm)

- Rubber Treaded on Cast Iron Core
- Roller / Ball Bearing available
- For Heavy Duty Caster



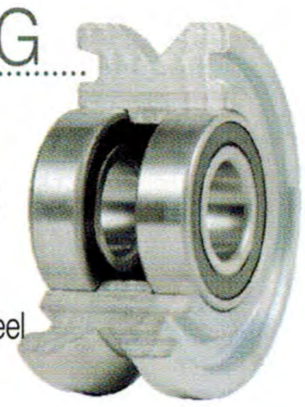
PB
3″ ~5″ (76~127mm)

- Polyurethane Treaded on Polyolefin Core
- Ball Bearing
- Factory available for Various Colors
- For Light & Medium Duty Caster



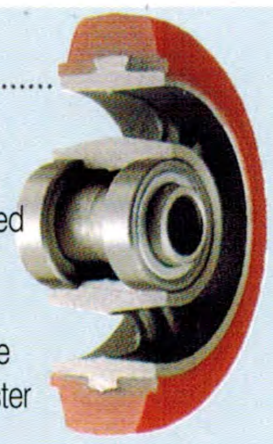
MVG/MUG
4″ ~ 6″ (102 ~152mm)

- Precision Machined for long life
- High Quality High Strength Special Steel
- Super Hevay Duty Caster



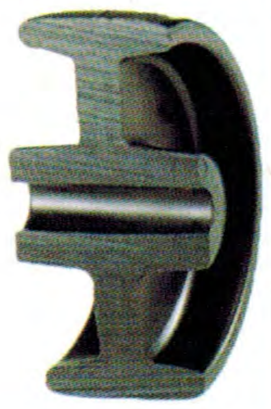
PC
3″ ~ 10″ (76 ~254mm)

- Polyurethane Treaded on Cast Iron Core
- Roller Bearing or Ball Bearing available
- For Heavy Duty Caster



LP (NYL)
1″ ~ 5″ (29 ~127mm)

- Light Duty Plastic
- Nylon or Polyolefin Light & Precision Products
- For Light & Medium Duty Caster



INF
3″ ~ 5″ (76 ~127mm)

- TPE treaded on Polyolefin Core
- Factory available for Various Colors
- Soft cushion ride with a non – marking tread



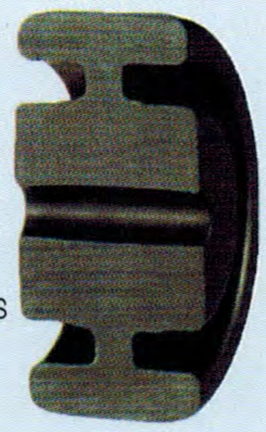
RA
3-1 / 2″ ~ 5″ (89 ~127mm)

- Grey Rubber Treaded on Aluminum Core
- Annular Bearing
- Light & Medium Duty Caster



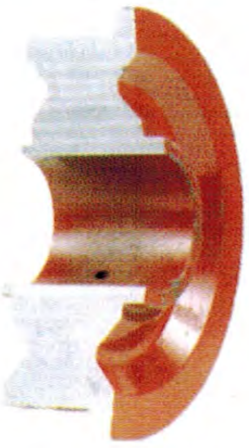
HP/HTP
3″ (76mm)

- Heavy Duty Plastic
- Polyolefin
- Light & Precision Products
- For Light & Medium Duty Caster



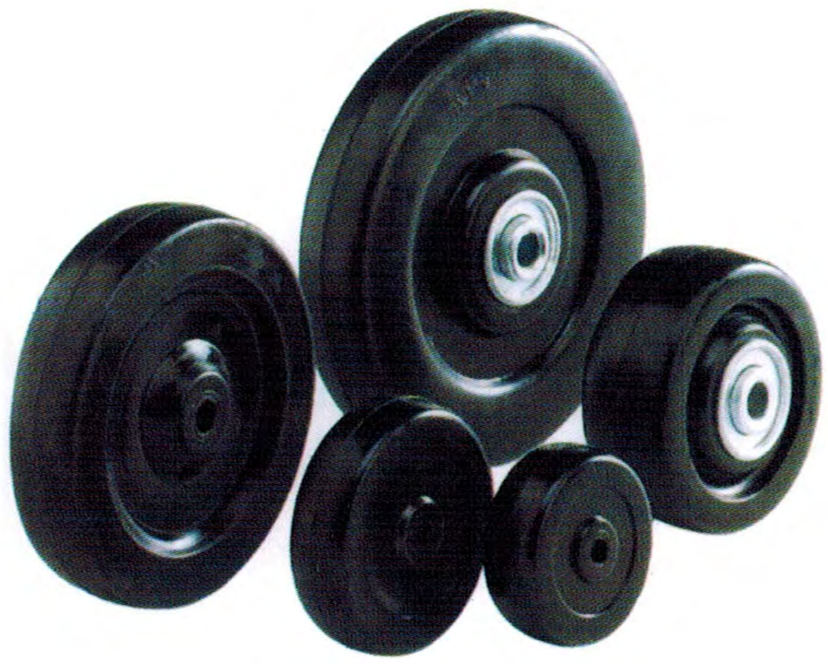
SFL
4″ ~ 12″

- Steel Flanged Wheel
- Roller Bearing



SR / HR / SBB / HBB

SOFT RUBBER / HARD RUBBER WITH BALL BEARING WHEELS



■Features

- Soft rubber tread molded to hard rubber core.
- Floor protection, shock absorbent, smooth rolling.
- SR:Durometer: 75±5 shore A.
- HR:Durometer: 95±5 shore A.
- Color: Standard black.
- Available in non-marking and conductive.
- APPLICATIONS:
  General and light medium duty casters.

■Option

- Gray none-marking available.

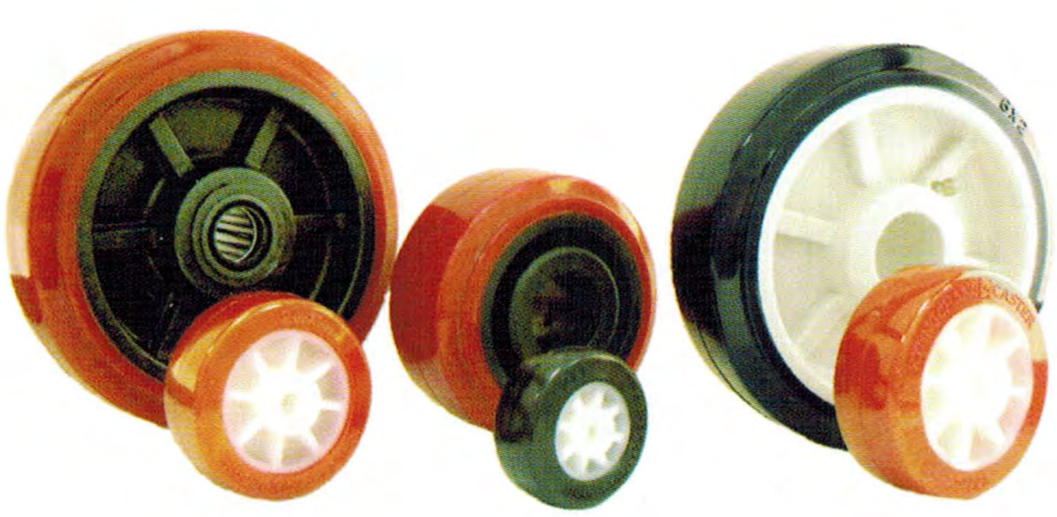
Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOADCAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
HR/SR 1020 HR/SR 2320	2	29/32 25/32	1 7/8	1/4 1/4	Nylon Nylon	125/90 90/65	10 23
HR/SR 1025 HR/SR 2325 HBB/SBB 1025	2-1/2	1-1/8 25/32 1-1/4	1-3/8 7/8 1-3/8	5/16 1/4 5/16	Nylon Nylon Ball	175/100 125/90 175/100	10 23 10
HR/SR 1030 HR/SR 2130 HR/SR 2230 HR/SR 2330 HBB/SBB 2030 HBB/SBB 2230	3	1-1/4 1-1/4 1 25/32 1-1/4 1	1-9/16 1-3/8 1-3/16 7/8 1-9/16 1-7/32	3/8 3/8 5/16 1/4 3/8 5/16	Nylon Nylon Nylon Nylon Ball Ball	220/125 220/125 125/90 125/100 220/125 125/90	10,20,26 21 22 23 20,26 22
HR/SR 2135	3-1/2	1-1/4	1-3/8	3/8	Nylon	225/130	20,21,28
HR/SR 1040 HR/SR 2040 HR/SR 2240 HBB/SBB 2040 HR/SR 2140 HBB/SBB 2240	4	1-1/2 1-1/4 1 1-1/4 1-1/4 1	1-11/16 1-9/16 1-3/16 1-9/16 1-3/8 1-7/32	7/16 3/8 5/16 3/8 3/8 5/16	Nylon Nylon Nylon Ball Nylon Ball	300/200 265/165 250/125 265/165 265/165 260/120	10 20,26 22 20,26 21,28 22
HR/SR 2050 HR/SR 2250 HBB/SBB 2050 HR/SR 2150 HBB/SBB 2250	5	1-1/4 1 1-1/4 1-1/4 1	1-9/16 1-3/16 1-9/16 1-3/8 1-7/32	3/8 5/16 3/8 3/8 5/16	Nylon Nylon Ball Nylon Ball	300/175 270/130 300/175 300/175 270/130	20,26 22 20,26 21,28 22



PU

POLYURETHANE TREAD PLASTIC CORE WHEELS



■Features

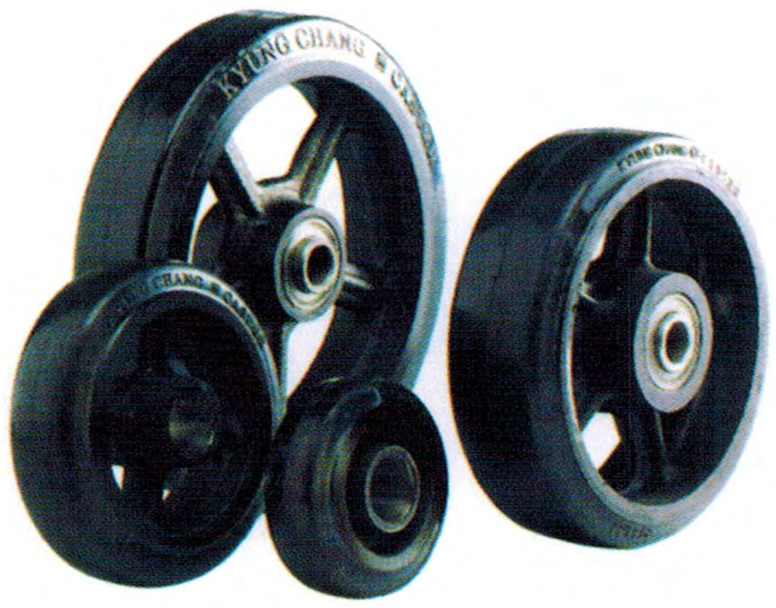
- Floor protection, shock absorbent.
- Roller bearing for easy handling of heavy loads.
- Durability, outlasts any rubber wheel.
- Thread guards available for bearing protection.
- Durometer: 95±5 shore A.
- APPLICATIONS:
  Light, Medium & Heavy duty carts.

Unit : inch, Lbs

WHEEL PART NUMBER	STANDARD COLOR	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
		DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PU 1020 PU 1025 PU 1030	Black on White Red on White Red on White	2 2-1/2 3	29/32 1-1/8 1-1/4	1 1-3/8 1-9/16	1/4 5/16 3/8	Plain Plain Plain	125 175 220	10 10 10,20,21,26
PU 2320 PU 2330	Black on White	2 3	25/32 25/32	7/8 7/8	1/4 1/4	Plain	100 125	23 23
PU 4040 PU 4040RB	Red on Black	4	2 2	2-3/16 2-3/16	1-3/16 3/4	Plain Roller	660 660	40,41 40,41
PU 4050 PU 4050RB	Red on Black	5	2 2	2-3/16 2-3/16	1-3/16 3/4	Plain Roller	800 800	40,41,51 40,41,51
PU 4060 PU 4060RB	Red on Black	6	2 2	2-3/16 2-3/16	1-3/16 3/4	Plain Roller	900 900	40,41,51 40,41,51
PU 4080 PU 4080RB	Red on Black	8	2 2	2-3/16 2-3/16	1-3/16 3/4	Plain Roller	950 950	40,41,51 40,41,51

RC

RUBBER TREAD CAST IRON CORE WHEELS



■Features

- Cushion rubber tread on cast iron hub.
- Floor protection and shock absorbent.
- Roller bearing(Ball bearing) for easy handling of loads.
- Zerk fitting in hub for lubrication.
- Durometer: 75±5 shore A.

- **APPLICATIONS:**
  Medium to heavy duty carts.

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
RC 4440 RC 4440RB	4	1-1/2	1-5/8	1-3/16 3/4	– Roller	300 300	44
RC 4040 RC 4040RB		2	2-3/16	1-3/16 3/4	– Roller	350 350	40
RC 4450 RC 4450RB	5	1-1/2	1-5/8	1-3/16 3/4	– Roller	345 345	44
RC 4050 RC 4050RB		2	2-3/16	1-3/16 3/4	– Roller	400 400	40,41,51
RC 4460 RC 4460RB	6	1-1/2	1-5/8	1-3/16 3/4	– Roller	370 370	44
RC 4060 RC 4060RB		2	2-3/16	3-3/16 3/4	– Roller	450 450	40,41,51
RC 5060 RC 5060RB		2-1/2	2-3/4	1-15/16 1	– Roller	550 550	42,50,94
RC 5360 RC 5360RB		3	3-1/4	1-15/16 1	– Roller	750 750	53
RC 4080 RC 4080RB	8	2	2-3/16	1-3/16 3/4	– Roller	500 500	40,41,51
RC 5080 RC 5080RB		2-1/2	2-3/4	1-15/16 1	– Roller	700 700	42,50,94
RC 5380 RC 5380RB		3	3-1/4	1-15/16 1	– Roller	900 900	53
RC 5010 RC 5010RB	10	2-1/2	2-3/4	1-15/16 1	– Roller	900 900	42,50
RC 5310 RC 5310RB		3	3-1/4	1-15/16 1	– Roller	1000 1000	53
RC 5012 RC 5012RB	12	2-1/2	2-3/4	1-15/16 1	– Roller	900 900	50
RC 5312 RC 5312RB		3	3-1/4	1-15/16 1	– Roller	1200 1200	53

PC

POLYURETHANE TREAD CAST IRON CORE WHEELS



■Features

- Polyurethane on cast iron for strength.
- Floor protection, resistant to most chemicals, oils, grease and water.
- Roller bearings(Ball bearings) for easy handling of heavy loads.
- Excellent durability.
- Durometer: 90–95 shore A.
- APPLICATIONS:
  Medium to extra heavy loads.

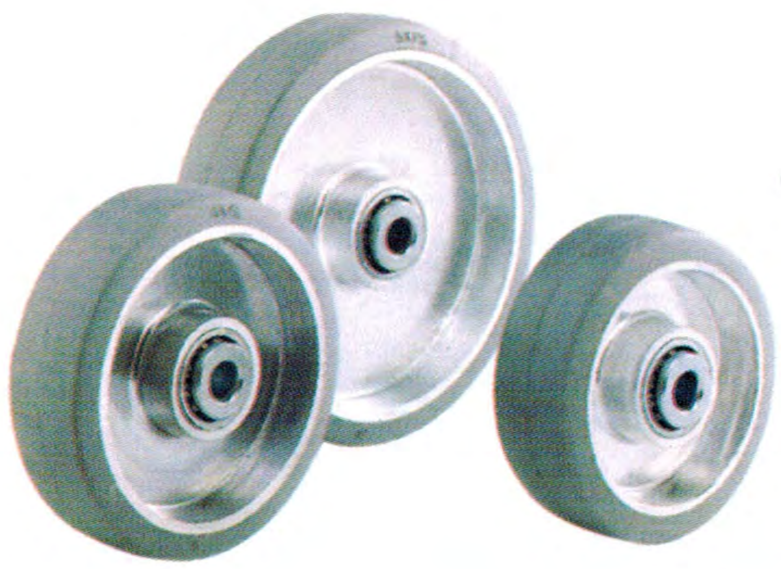
※ Standard Color is Green/Black

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PC 4440 PC 4440RB	4	1–1/2	1–5/8	1–3/16 3/4	– Roller	600 600	44
PC 4040 PC 4040RB		2	2–3/16	1–3/16 3/4	– Roller	800 800	40
PC 4450 PC 4450RB	5	1–1/2	1–5/8	1–3/16 3/4	– Roller	750 750	44
PC 4050 PC 4050RB		2	2–3/16	1–3/16 3/4	– Roller	1100 1100	40,41,51
PC 4460 PC 4460RB	6	1–1/2	1–5/8	1–3/16 3/4	– Roller	800 800	44
PC 4060 PC 4060RB		2	2–3/16	1–3/16 3/4	– Roller	1200 1200	40,41,51
PC 5060 PC 5060RB		2–1/2	2–3/4	1–15/16 1	– Roller	1600 1600	42,50,94
PC 5360 PC 5360RB		3	3–1/4	1–15/16 1	– Roller	2000 2000	53
PC 4080 PC 4080RB	8	2	2–3/16	1–3/16 3/4	– Roller	1400 1400	40,41,51
PC 5080 PC 5080RB		2–1/2	2–3/4	1–15/16 1	– Roller	1900 1900	42,50,94
PC 5380 PC 5380RB		3	3–1/4	1–15/16 1	– Roller	2500 2500	53
PC 5010 PC 5010RB	10	2–1/2	2–3/4	1–15/16 1	– Roller	2200 2200	42,50
PC 5310 PC 5310RB		3	3–1/4	1–15/16 1	– Roller	3000 3000	53
PC 5012 PC 5012RB	12	2–1/2	2–3/4	1–15/16 1	– Roller	2500 2500	50
PC 5312 PC 5312RB		3	3–1/4	1–15/16 1	– Roller	3200 3200	53

RA

GREY RUBBER TREAD ALUMINUM CORE WHEELS



■Features

- Soft rubber cushion tread on polished aluminum core.
- Full floor protection.
- Shock resistant.
- Non-marking grey rubber tread.
- Annular ball bearing for easy rolling.
- Durometer: 75±5 shore A.

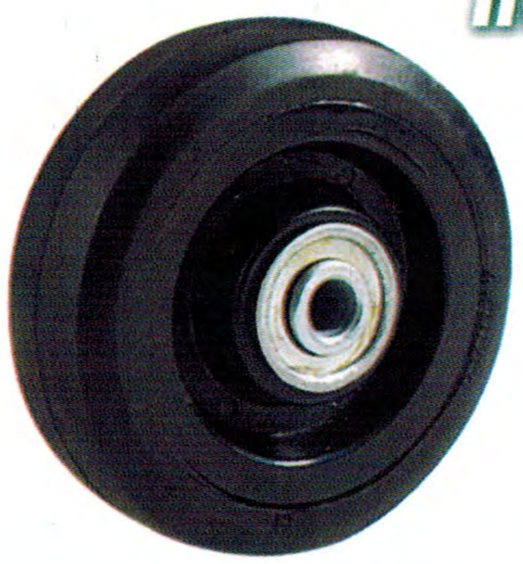
- **APPLICATIONS:**
  Light to medium duty carts and dollies.

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
RA 2135	3-1/2	1-1/4	1-1/2	3/8	Annular	220	20,21,26,28
RA 2140	4	1-1/4	1-1/2	3/8	Annular	240	20,21,26,28
RA 2150	5	1-1/4	1-1/2	3/8	Annular	265	20,21,26,28
RA 4060 BB (Balloon Cushion)	6	2	2-7/16	1/2	Ball	350	40,41
RA 4080 BB	8	2	2-7/16	1/2	Ball	450	40,41

PR

RUBBER TREAD PLASTIC CORE WHEELS



■Features

- Soft rubber tread on plastic core.
- Shock absorbent for delicate loads.
- Ball bearing for easy rolling.
- Durometer: 75±5 shore A.

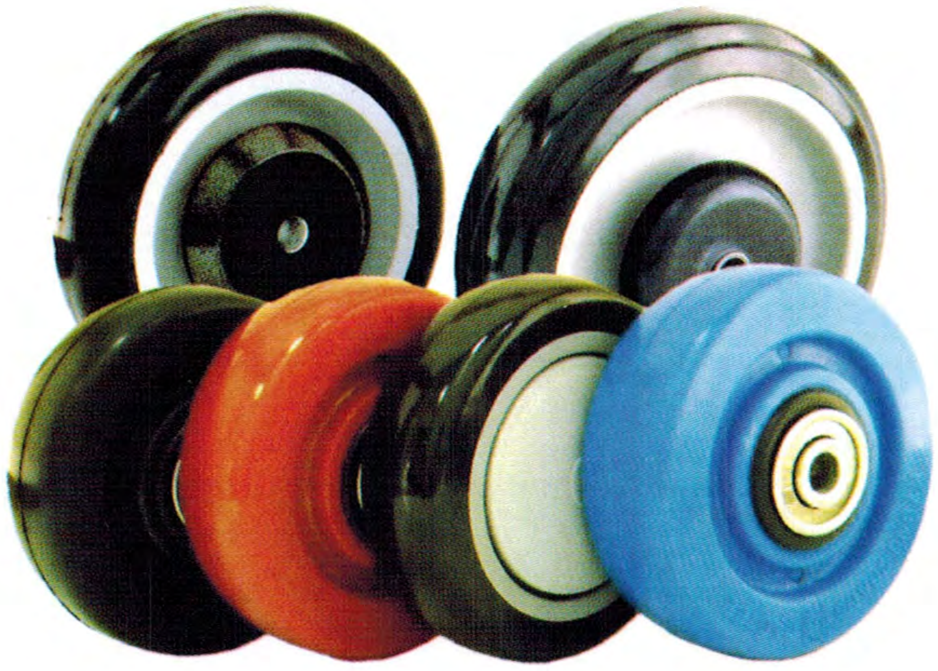
- **APPLICATIONS:**
  Light to medium loads.

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PR 2540	4	1-11/32	1-27/32	3/8	Ball	225	20,25,26

PB

POLYURETHANE TREAD PLASTIC CORE WHEEL WITH BALL BEARING



■Features

- Polyurethane tread on plastic core construcition.
- Tread mechanically locked on.
- Floor protection, cushioned ride, shock absorbent.
- Ball bearing for easy rolling.
- Durability exceeds any rubber wheel.
- Thread guards available for bearing protection.
- Durometer: 95±5 shore A.

- **APPLICATIONS:**
  General, light and medium duty carts.

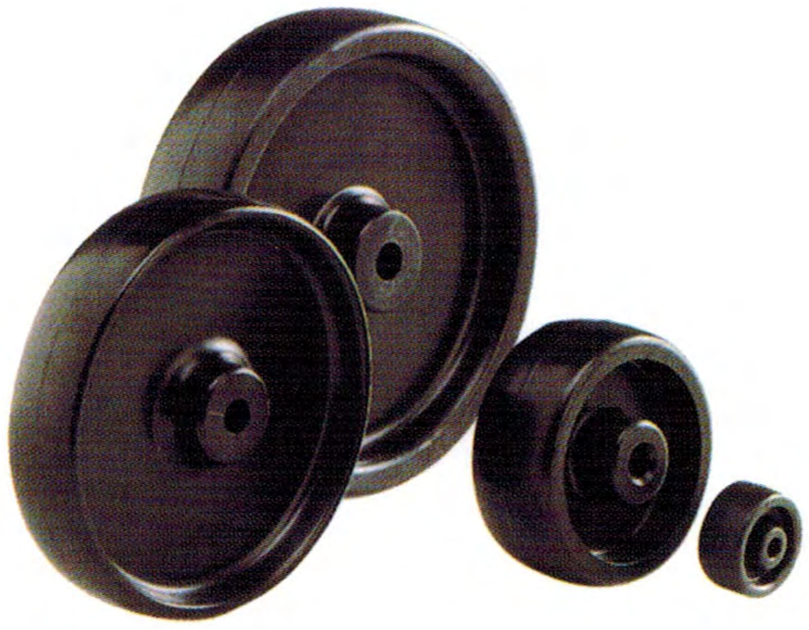
Unit : inch, Lbs

WHEEL PART NUMBER	STANDARD COLOR	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
		DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PB 2030	Red on Black	3	1-1/4	1-9/16	3/8	Ball	220	10, 20,21,26
PB 2135	Blue on Black	3-1/2	1-1/4	1-5/8	3/8	Ball/Delrin	260	20,21,26,28
PB 2040	Blue on Black Red on Black	4	1-1/4	1-5/8	3/8,5/16	Ball/Delrin	275	20,21,26,28
PB 2050	Black on Gray	5	1-1/4	1-5/8	3/8,5/16	Ball/Delrin	300	20,21,26,28

** Other colors available

LP

LIGHT DUTY PLASTIC WHEELS



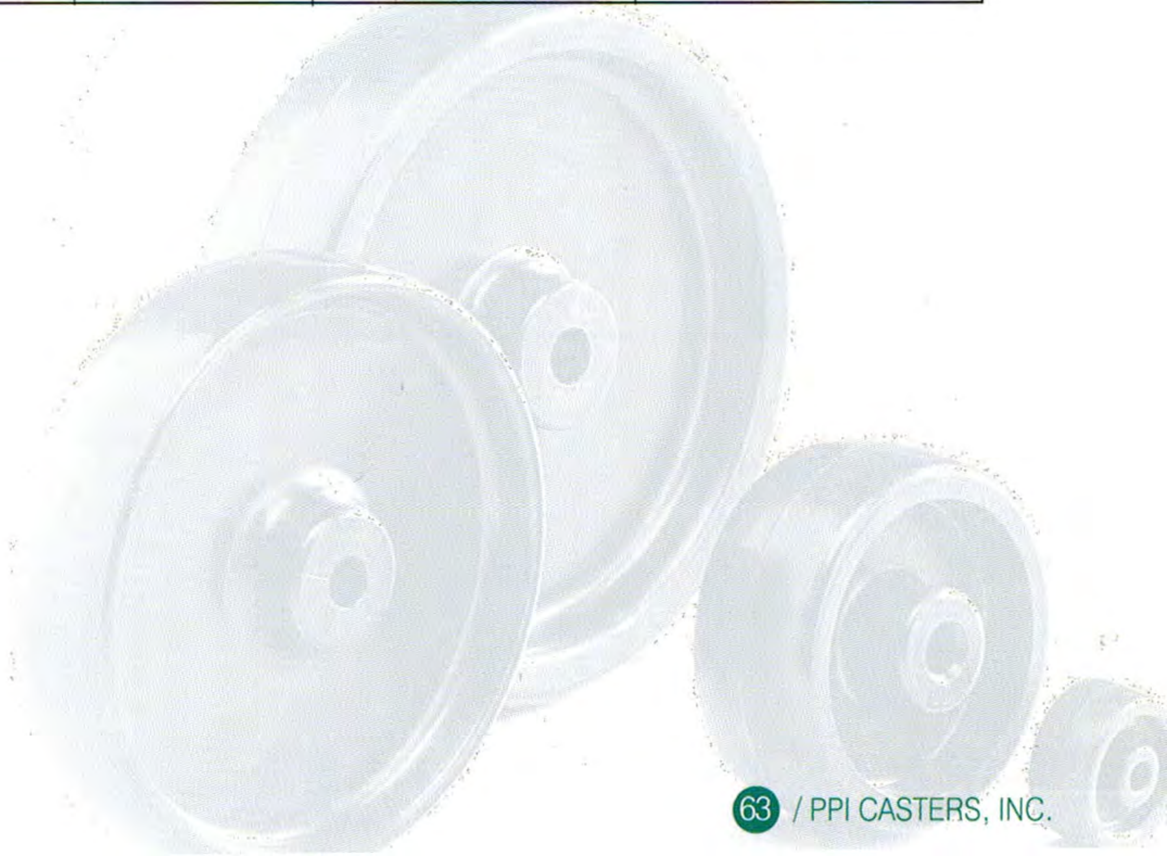
■Features

- Injection molded polyolefin or polypropylene.
- Withstands high impact.
- Floor protection, non-marking and unaffected by chemicals, oils solvents or water.
- Very light weight.
- Colors: Black is standard, other colors available.

- **APPLICATIONS:**
  General, light and medium duty carts.

Unit : inch, Lbs

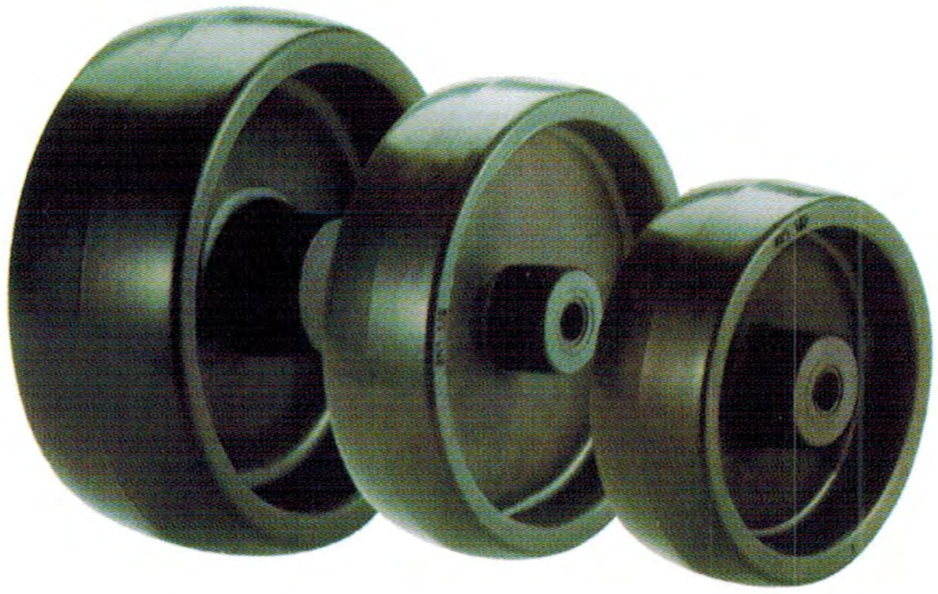
WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
LP 1011	1-1/8	9/16	5/8	3/16	Plain	35	10
LP 1020	2	29/32	1	1/4	Plain	120	10
LP 1025	2-1/2	1-1/8	1-3/8	5/16	Plain	175	10
LP 1030	3	1-1/4	1-9/16	3/8	Plain	220	10,20,21,26
LP 2040	4	1-1/4	1-9/16	3/8	Plain	225	20,21,26,28
LP 2050	5	1-1/4	1-9/16	3/8	Plain	230	20,21,26,28
LP 2230	3	1	1-3/16	5/16	Plain	165	22
LP 2240	4	1	1-3/16	5/16	Plain	175	22
LP 2250	5	1	1-3/16	5/16	Plain	200	22





HP

HEAVY DUTY PLASTIC WHEELS



■Features

- Injection molded polyolefin or polypropylene.
- Withstands high impact.
- Floor protection, non-marking and unaffected by chemicals, oils solvents or water.
- Light weight, more durable & shock resistant than phenolic.
- Temp Range avail on High Temp specified wheels up to 550°F
- APPLICATIONS:
  Light medium and some heavy duty carts.

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
HP 1030	3	1-1/4	1-9/16	3/8	Plain	300	10,20,21
HP 2135	3-1/2	1-1/4	1-1/2	3/8	Plain	300	20,21,28
HP 1040	4	1-1/2	1-11/16	7/16	Plain	300	10
HP 2040		1-1/4	1-9/16	3/8	Plain	375	20,21
HP 4040		2	2-3/16	1-3/16	-	600	40,41
HP 4040RB		2	2-3/16	3/4	Bearing	600	40,41
HP 2050	5	1-1/2	1-9/16	3/8	Plain	375	10
HP 4450		1-1/2		3/4	-	375	20,21
HP 4050		2	2-3/16	1-3/16	Plain	650	40,41
HP 4050RB		2	1-9/16	3/4	Bearing	650	40,41
HP 4460	6	1-1/2	1-9/16	3/4	-	750	40,41
HP 4060		2		1-3/16	Plain	750	
HP 4060RB		2	2-3/16	3/4	Bearing	750	44
HP 4080	8	2	2	1-3/16	-	900	40,41
HP 4080RB				3/4	Bearing	900	

PN

PNEUMATIC WHEELS



■Features

· Highly shock absorbent.
· Cushioned ride for delicate instruments.
· Tube type, pressurized tire for quiet operation. −4−PLY
· Ball bearing for easy rolling.

· APPLICATIONS:
Electrical, video and delicate instrument carts Hand Truck.
Also Available in offset Hub or Centered.
Available in Black or Grey.

■Bearing Size Option

1/2″	ON	CENTERED
5/8″	ON	OFFSET
3/4″	ON	CENTERED / OFFSET

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY AT 50 PSI	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PN−4060	6	2	2−3/16	1/2	Ball	270	40
PN−4580	8	2−1/2	3−1/2	1/2	Ball	310	45
PN−4510	10	3−1/2	4−1/4	1/2	Ball	350	45

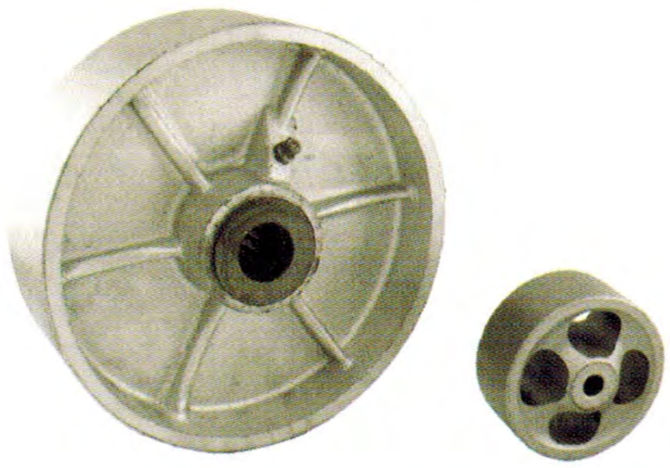
■ PNEUMATIC FLAT FREE WHEELS

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY AT 50 PSI	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PN FF−4060	6	2	2−3/16	1/2	Ball	270	40
PN FF−4580	8	2−1/2	3−1/2	1/2	Ball	310	45
PN FF−4510	10	3−1/2	4−1/4	1/2	Ball	350	45

SS

STEEL WHEELS



■Features

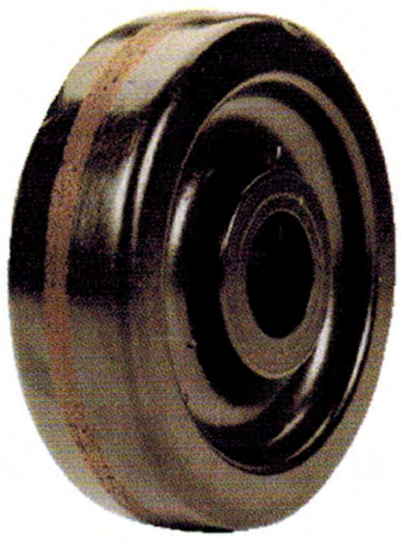
· Material : 2", 2-1/2" and 3"- Strong sintered steel.
4" thru 12" - Heavy duty cast iron
· Surface: Smooth tread.
· High capacity, long wearing.
· Bearings: 2", 2-1/2", 3" and 4" - plain/4" thru 12" - Roller bearing
· APPLICATIONS:
General duty to very heavy duty carts.

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
SS 1020	2	15/16	1	1/4	Plain	125	10
SS 1025	2-1/2	1-1/8	1-3/8	5/16	Plain	200	10
SS 1030	3	1-1/4	1-9/16	3/8	Plain	250	10,20,21
SS 1040	4	1-1/2	1-11/16	7/16	Plain	300	10
SS 2040	4	1-1/4	1-11/16	3/8	Plain	300	20,21,26,28
SS 4440	4	1-1/2	1-5/8	1-3/16	-	600	44
SS 4440RB				3/4	Roller	600	
SS 4040		2	2-3/16	1-3/16	-	700	40
SS 4040RB				3/4	Roller	700	
SS 4450	5	1-1/2	1-5/8	1-3/16	-	750	44
SS 4450RB				3/4	Roller	750	
SS 4050		2	2-3/16	1-3/16	-	1100	40,41,51
SS 4050RB				3/4	Roller	1100	
SS 4060	6	2	2-3/16	1-3/16	-	1200	40,41,51
SS 4060RB				3/4	Roller	1200	
SS 5060		2-1/2	2-3/4	1-15/16	-	1600	42,50
SS 5060RB				1	Roller	1600	
SS 5360		3	3-1/4	1-15/16	-	2000	53
SS 5360RB				1	Roller	2000	
SS 4080	8	2	2-3/16	1-3/16	-	1400	40,41,51
SS 4080RB				3/4	Roller	1400	
SS 5080		2-1/2	2-3/4	1-15/16	-	1900	42,50
SS 5080RB				1	Roller	1900	
SS 5380		3	3-1/4	1-15/16	-	2500	53
SS 5380RB				1	Roller	2500	
SS 5010	10	2-1/2	2-3/4	1-15/16	-	2200	42,50
SS 5010RB				1	Roller	2200	
SS 5310		3	3-1/4	1-15/16	-	2500	53
SS 5310RB				1	Roller	2500	
SS 5012	12	2-1/2	2-3/4	1-15/16	-	2500	50
SS 5012RB				1	Roller	2500	
SS 5312		3	3-1/4	1-15/16	-	3000	53
SS 5312RB				1	Roller	3000	

PH

PHENOLIC WHEELS



■Features

- Provides superior floor protection, resistant to oils and gasoline, smooth ride.
- Non-marking and non-conductive.
- Temperature Range: -50°F to +260°F with high temperature composition available.
- Roller bearings provide consistent rollability
- Select items available in High-temp. wheel

- **APPLICATIONS:**
  Medium heavy duty casters

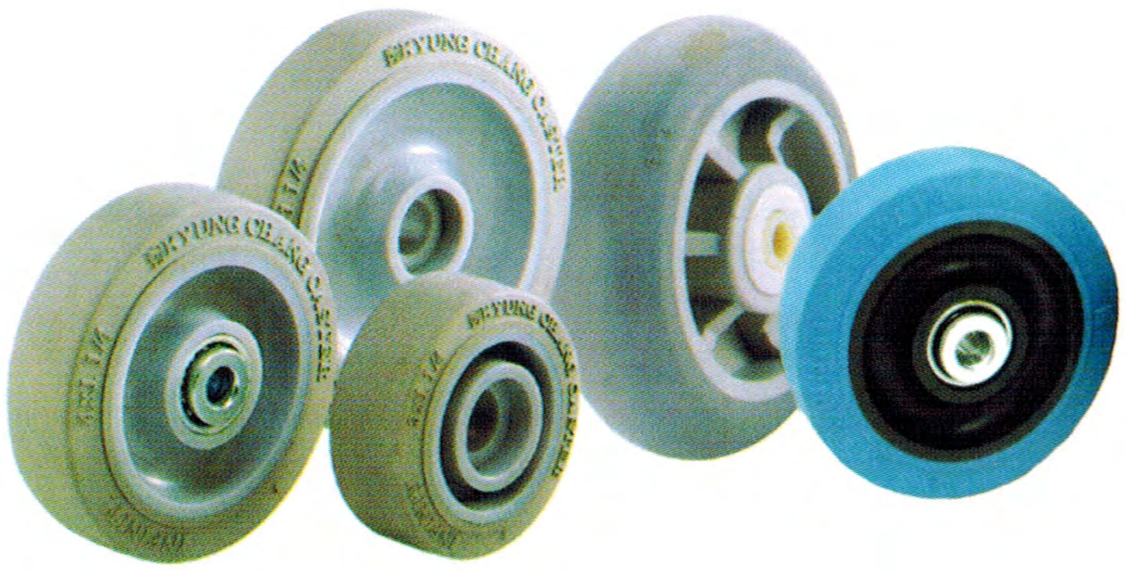
Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
PH 2040	4	1-1/4	1-5/8	1/2	Plain	600	20,21,26,28
PH 4440	4	1-1/2	1-5/8	1-3/16	-	600	44
PH 4440RB				3/4	Roller	600	
PH 4040		2	2-3/16	1-3/16	-	800	40
PH 4040RB				3/4	Roller	800	
PH 2050	5	1-1/4	1-5/8	3/8	-	600	20,21,26,28
PH 4450		1-1/2		1-3/16	Roller	750	44
PH 4450RB				3/4		750	
PH 4050		2	2-3/16	1-3/16	-	1100	40,41,51
PH 4050RB				3/4	Roller	1100	
PH 4460	6	1-1/2	1-5/8	1-3/16	-	800	44
PH 4460RB				3/4	Roller	800	
PH 4060		2	2-3/16	1-3/16	-	1200	40,41,51
PH 4060RB				3/4	Roller	1200	
PH 5060		2-1/2	2-3/4	1-15/16	-	1600	42,50
PH 5060RB				1	Roller	1600	
PH 5360		3	3-1/4	1-15/16	-	2000	53
PH 5360RB				1	Roller	2000	
PH 4080	8	2	2-3/16	1-3/16	-	1400	40,41,51
PH 4080RB				3/4	Roller	1400	
PH 5080		2-1/2	2-3/4	1-15/16	-	2000	42,50
PH 5080RB				1	Roller	2000	
PH 5380		3	3-1/4	1-15/16	-	2500	53
PH 5380RB				1	Roller	2500	
PH 5010	10	2-1/2	2-3/4	1-15/16	-	2500	42,50
PH 5010RB				1	Roller	2500	
PH 5310		3	3-1/4	1-15/16	-	2900	53
PH 5310RB				1	Roller	2900	
PH 5012	12	2-1/2	2-3/4	1-15/16	-	3000	50
PH 5012RB				1	Roller	3000	
PH 5312		3	3-1/4	1-15/16	-	3500	53
PH 5312RB				1	Roller	3500	



INF

INFINITI RUBBER TREAD PLASTIC CORE WHEELS



■Features

- TPE (Thermoplastic Elastomer) treaded on plastic core.
- Standard Color : Gray (optional color available)
- Soft cushion ride with a non-marking tread.
- Floor protection, annular ball bearing for easy rolling.
- Durometer, 60±5 shore A.
- Delrin Bearing: Optional
- **APPLICATIONS:**
  Computers, electrical sound Equipments.
  School, Restaurants, Moving Equipments.

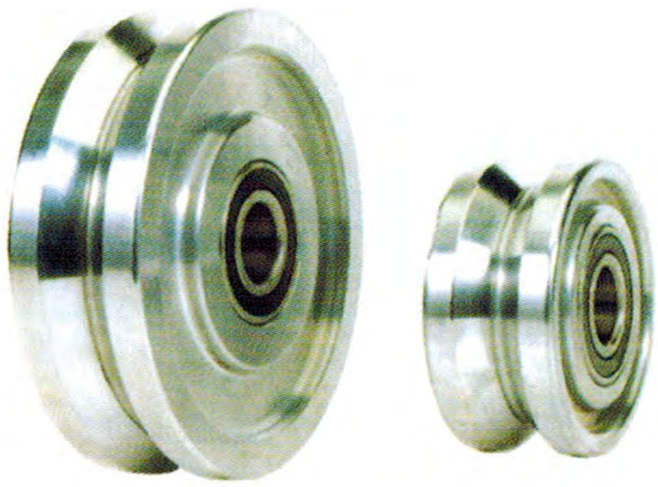
Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
INF 2230	3	1	1-7/32	5/16	Ball	125	22
INF 2240	4	1	1-7/32	5/16		120	22
INF 2250	5	1	1-7/32	5/16		200	22
INF 2130	3	1-1/4	1-1/2	3/8	Annular/Delrin	225	10,20,21,26
INF 2135	3-1/2	1-1/4	1-1/2	3/8	Annular/Delrin	250	20,21,26,28
INF 2140	4	1-1/4	1-1/2	3/8	Annular/Delrin	300	20,21,26,28
INF 2150	5	1-1/4	1-1/2	3/8	Annular/Delrin	325	20,21,26,28
INF 2130(W)	3	1-1/2	1-7/8	3/8	Delrin	400	-
INF 4040	4	2	2-3/16	1-3/16	-	400	40,41
INF 4040 RB					Roller	400	
INF 4040 RD					Delrin	400	
INF 4050	5	2	2-3/16	1-3/16	-	500	40,41
INF 4050 RB					Roller	500	
INF 4050 RD					Delrin	500	
INF 4060	6	2	2-3/16	1-3/16	-	550	40,41
INF 4060 RB					Roller	550	
INF 4060 RD					Delrin	550	
INF 4080	8	2	2-3/16	1-3/16	-	600	40,41
INF 4080 RB					Roller	600	
INF 4080 RD					Delrin	600	

quality cold rolled steel.

MVG

MIGHTY V-GROOVED WHEELS

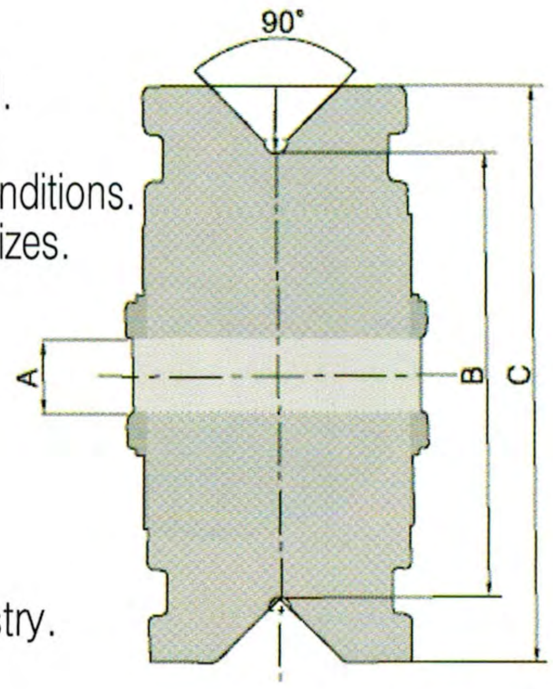


	A	B	C
MVG 4"	Φ12.7(1/2)	Φ75.6	Φ98
MVG 6"	Φ15.9(5/8)	Φ126.4	Φ148
MVG 8"	Φ15.9(5/8)	Φ177.2	Φ198

■Features

- Precision machined from high quality cold rolled steel.
- Long life sealed bearings need no lubrication.
- Long lasting lustrous Chrome finish for all weather conditions.
- Instant availability of all M.V.G. Wheels in 4" and 6" sizes.
- Can be supplied with or without Axle/Nut.
- Can change Bushing for 1/2" or 5/8" Axle size.
- Wheels will fit standard size angle iron track.
- Capacities are 3000lbs on 4" and 6000lbs on 6".
- Hardness HRS 85 Min

- **APPLICATIONS:**
  Super heavy duty caster or gate & Fence Industry.

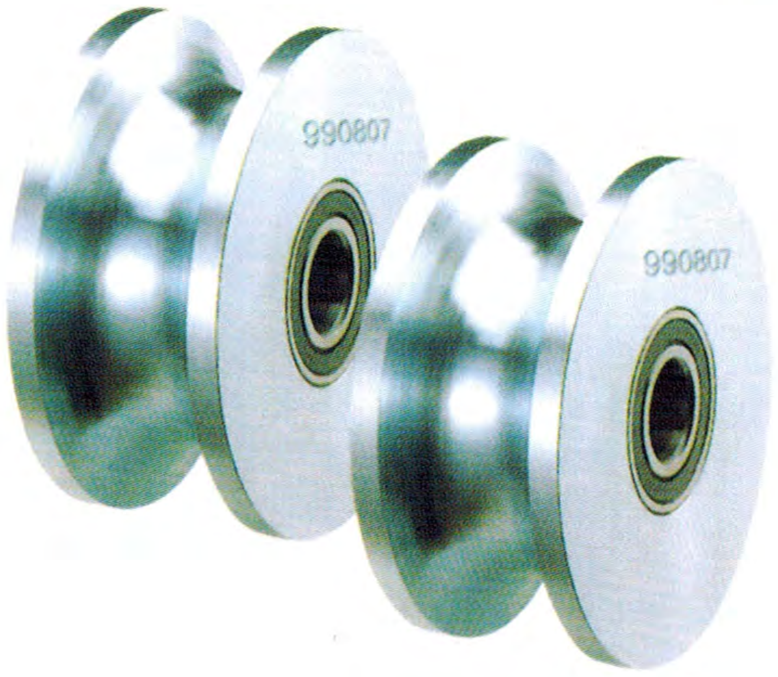


Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
MVG 4040	4	1-3/4	2	3/4",1/2" or 5/8"	#6205 Ball	3000	44
MVG 4060	6	1-3/4	2		#6205 Ball	6000	44
MVG 4080	8	1-3/4	2		#6205 Ball	8000	Wheel only

MUG

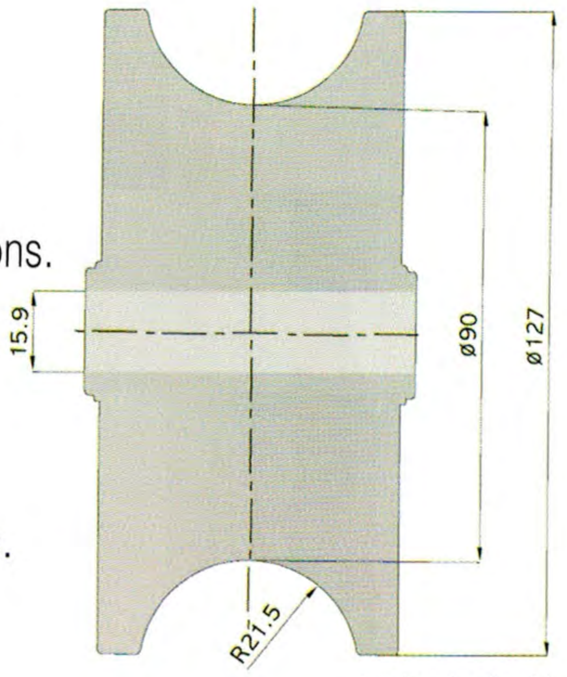
MIGHTY U-GROOVED WHEELS



■Features

- Precision machined from high quality cold rolled steel.
- Long life sealed bearings need no lubrication.
- Long lasting lustrous Zinc finish for all weather conditions.
- Bushing can be changed to 1/2" or 5/8" sizes.
- Hardness HRB 85 Min

- **APPLICATIONS:**
  Super heavy duty caster.
  For Cantelerer Gates 1-1/2 to 1-5/8 Pipe Suge.



Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY	USED IN CASTER SERIES
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE		
MUG 5050	5	2-5/16	2-9/16	1/2 or 5/8	Ball	6000	Wheel only

PNS

SEMI-PNEUMATIC WHEELS



■Features

- Ball Bearing for easy rolling
- Highly Shock-absorbant
- Heavy-duty 5/8" Axle

- **APPLICATIONS:**
  Dolly or Hand Truck

Unit : inch, Lbs

WHEEL PART NUMBER	WHEEL SPECIFICATION			BEARING		LOAD CAPACITY
	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE	
PNS 4580	8	2 3/8	2 1/4	5/8	BALL	310
PNS 4510	10	2 1/2	2 1/4	5/8	BALL	350

SFL

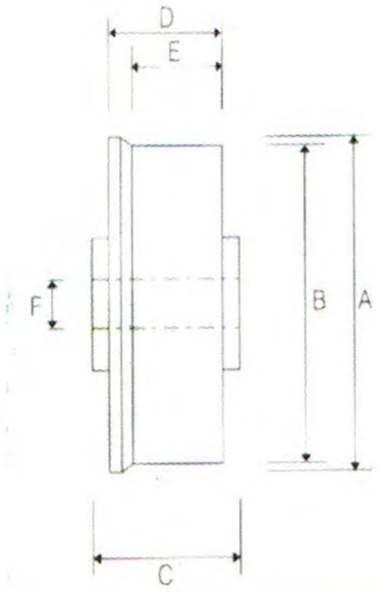
STEEL FLANGED WHEELS



■Features

- Cast Iron Flanged Wheel.
- Constructed to operate on steel track.
- Roller Bearings & zerk grease fittings.

- **APPLICATIONS:**
  Production lines, mobile cranes, etc.



Unit : inch, Lbs

WHEEL PART NUMBER	FLANGE DIA (A)	TREAD DIA (B)	HUB LENGTH (C)	FLANGE WIDTH (D)	TREAD WIDTH (E)	BORE SIZE (F)	LOAD CAPACITY
SFL-4060	7	6-1/8	2-3/4	2-1/8	1-11/16	2-1/5	2200

VG

V-GROOVED STEEL WHEELS



■Features

· Roller Bearing.
· Lubrication through zerk fitting in hub.
· Cast Iron construction for heavy loads.

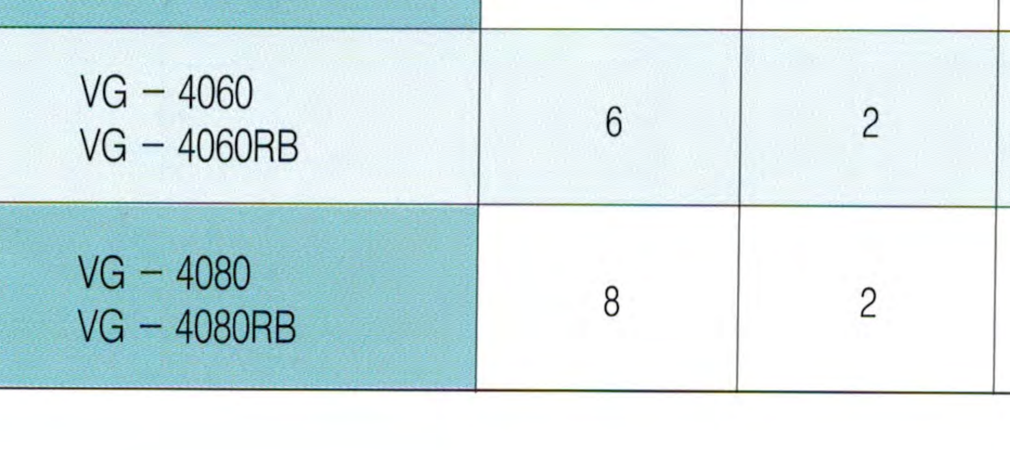
· APPLICATIONS:
Use on flat surface, inverted angle track or both.

Unit : inch, Lbs

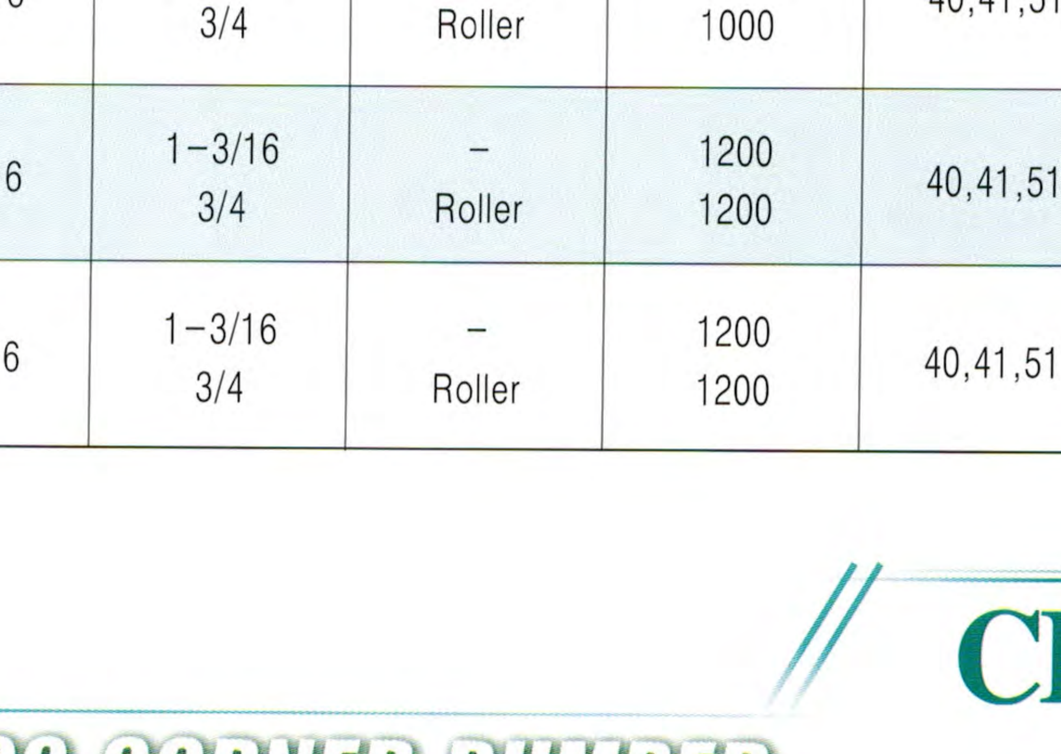
WHEEL PART NUMBER	DIAMETER	TREAD WIDTH	HUB LENGTH	SIZE	TYPE	LOAD CAPACITY	USED IN CASTER SERIES
VG – 4440 VG – 4440RB	4	1–1/2	1–5/8	1–3/16 3/4	– Roller	600 600	43,44
VG – 4040 VG – 4040RB	4	2	2–3/16	1–3/16 3/4	– Roller	800 800	40,41
VG – 4050 VG – 4050RB	5	2	2–3/16	1–3/16 3/4	– Roller	1000 1000	40,41,51
VG – 4060 VG – 4060RB	6	2	2–3/16	1–3/16 3/4	– Roller	1200 1200	40,41,51
VG – 4080 VG – 4080RB	8	2	2–3/16	1–3/16 3/4	– Roller	1200 1200	40,41,51

CB

GB-400 CORNER BUMPER



Grey non–marking rubber compound





AN AXLES & NUTS

Unit : inch, Lbs

PART NUMBER	DIAMETER	LENGTH	TYPE	USED IN CASTER CERIES
AN 1020	1/4(6.3)	1-1/2(38.1)	Plain	1020, 23TB
AN 1025	5/16(7.9)	2(50)	Plain	1025
AN 2200		1-27/32(46.8)	Plain	22
AN 2200T		1-29/32(48)	Plain	22TB
AN 1030	3/8(9.5)	2-1/4(58)	Plain	1030, 20, 26
AN 2100		2-1/8(54.5)	Plain	21, 28
AN 2000T (STS)		2-7/16(62)	Plain	20, 26TB
AN 2100T		2-5/16(60)	Plain	21TB
AN 1040	7/16(11.1)	2-13/16(71.4)	Plain	1040
AN 3200	M14	2-27/32(72)	Plain	32
AN 3200T		3-7/64(78.8)	Plain	32TB
AN 4000 (STS)	1/2(12.7)	3-3/8(85.7)	Plain	40
AN 4000Z (STS)		3-3/8(85.7)	Zerk	40
AN 4300		2-21/32(67.6)	Plain	43
AN 4300Z		2-21/32(67.6)	Zerk	43
AN 4000T (STS)	1/2(12.7)	3-9/16(90.4)	Plain	40TB
AN 4400T		2-21/32(67.6)	Plain	43TB
AN 4200	3/4(19.0)	3-45/64(94)	Plain	42
AN 4200Z		3-45/64(94)	Zerk	42
AN 5000	3/4(19.0)	4-11/32(110)	Plain	50
AN 5000Z		4-11/32(110)	Zerk	50
AN 9400	1/2(12.7)	3-45/64(95)	Plain	94, 47
AN 9400T		3-15/16(100)	Plain	94TB, 47TB

BU BUSHINGS

Unit : inch, Lbs

PART #	LENGTH	O.D	I.D	MATERIAL
BU-2000D	1-11/16	1/2	3/8	METAL
BU-2100	1-1/2	1/2	3/8	METAL
BU-4000D	2-7/16	3/4	1/2	METAL
BU-4400D	1-7/16	3/4	1/2	METAL
BU-5000D	2-7/8	1	3/4	METAL
BU-5200D	3-3/8	1	3/4	METAL
BD-2000	1-5/8	1/2	3/8	DELRIN
BD-4000	2-7/8	1	3/4	DELRIN
BD-4400	1-7/18	3/4	1/2	DELRIN



TOP LOCK BRAKE KITS // TB

Unit : inch, Lbs

PART NUMBER	SIZE	USED IN CASTER CERIES
TB 2030 (STS) TB 2130 TB 2230	3	20,26 21 22
TB 2135	3-1/2	20
TB 2040 (STS) TB 2140 TB 2240 TB 4040 (STS) TB 4440	4	20,26 21 22 40 44
TB 2050 (STS) TB 2150 TB 2250 TB 4050 (STS) TB 4450	5	20,26 21 22 40 44
TB 3260 TB 4060 (STS) TB 4260 TB 9460	6	32 40 42 94
TB 4080 (STS) TB 4280 TB 9480	8	40 42 94
EASY LOCK BRAKE ELB 2150 ELB 2950	5 5	21 29

RETAINER WASHERS // RW

Unit : inch, Lbs

PART NUMBER	O.D	I.D	LENGTH	TYPE
RW 4000	1-3/16	3/4	3/32	PLASTIC
RW 5000	1-15/16	1	3/32	METAL
RW 5300	1-15/16	1-1/4	3/32	METAL
RW 4001	1-3/16	3/4	3/32	STEEL FLANGED

ROLLER BEARINGS // RB

Unit : inch, Lbs

PART NUMBER	O.D	I.D	LENGTH	TYPE
RB 2000	1-1/16	1/2	1-1/8	METAL
RB 4000	1-3/16	3/4	1-7/8	METAL
RB 4400	1-3/16	3/4	1-3/8	METAL
RB 5000	1-15/16	1	2-1/2	METAL
RB 5200	1-15/16	1	3	METAL
RB 5300	1-15/16	1-1/4	3	METAL



TG THREAD GUARDS

PART #	SIZE(IN.)	DIA(IN.)	HOLE SIZE(IN.)
TG-2030	3	2	3/8
TG-2040	4	2-1/4	3/8
TG-2050	5	2-1/4	3/8
TG-4040	4	2-3/4	1/2
TG-4050	5	3-1/4	1/2
TG-4060	6	3-15/16	1/2
TG-4080	8	5-7/8	1/2

■ APPLICATIOR DITS FOR EXPANDING STEM CASTERS

PART #	TUBING ID	SIZE RANGE
EP-A	3/4	0.720-0.851
EP-B	7/8	0.852-0.927
EP-C	1	0.928-1.029
EP-D	1-1/8	1.030-1.140
EP-E	1-3/8	1.360-1.425
EP-F	1-1/2	1.426-1.589

TG THREAD GUARDS

DECIMAL EQUIVALENT CHART

DECIMAL (INCHES)	FRACTION (INCHES)	METRIC
.0156	1/64	0.396
.0312	1/32	0.793
.0468	3/64	1.190
.0625	1/16	1.587
.0781	5/64	1.984
.0937	3/32	2.381
.1093	7/64	2.778
.1250	1/8	3.175
.1406	9/64	3.571
.1562	5/32	3.968
.1718	11/64	4.365
.1875	3/16	4.762
.2031	13/64	5.159
.2187	7/32	5.559
.2343	15/64	5.953
.2500	1/4	6.350
.2656	17/64	6.746
.2812	9/32	7.143
.2968	19/64	7.540
.3125	5/16	7.937
.3281	21/64	8.334
.3437	11/32	8.731
.3593	23/64	9.128
.3750	3/8	9.525
.3906	25/64	9.921
.4062	13/32	10.318
.4218	27/64	10.715
.4375	7/16	11.112
.4531	29/64	11.509
.4687	15/32	11.906
.4843	31/64	12.030
.5000	1/2	12.700
.5156	33/64	13.096
.5312	17/32	13.493
.5468	35/64	13.890
.5625	9/16	14.287
.5781	37/64	14.684
.5937	19/32	15.081
.6093	39/64	15.478
.6250	5/8	15.875
.6406	41/64	16.271
.6562	21/32	16.668
.6718	43/64	17.065
.6875	11/16	17.462
.7031	45/64	17.859
.7187	23/32	18.256
.7343	47/64	18.653
.7500	3/4	19.050
.7656	49/64	19.446
.7812	25/32	19.843
.7968	51/64	20.240
.8125	13/16	20.637
.8281	53/64	21.034
.8437	27/32	21.431
.8593	55/64	21.828
.8750	7/8	22.225
.8906	57/64	22.621
.9062	29/32	23.018
.9218	59/64	23.415
.9375	15/16	23.812
.9531	61/64	24.209
.9687	31/32	24.606
.9843	63/64	25.003
1.0000	1	25.400
2.0000	2	50.800
3.0000	3	76.200
4.0000	4	101.600
5.0000	5	127.000
6.0000	6	152.400
7.0000	7	177.800
8.0000	8	203.200
9.0000	9	228.600
10.0000	10	254.000
11.0000	11	279.400
12.0000	12	304.800
13.0000	13	330.200
14.0000	14	355.600
15.0000	15	381.000
16.0000	16	406.400
17.0000	17	431.800

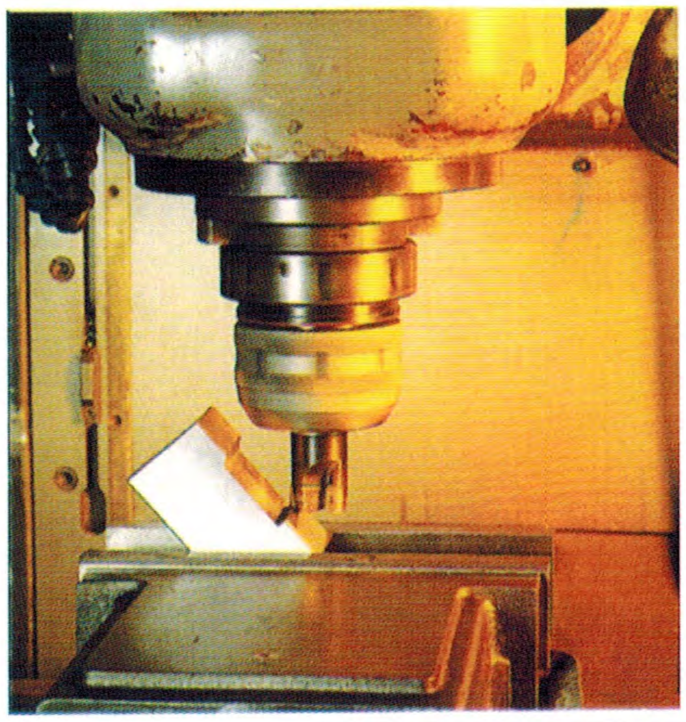
PPI CASTERS TOP PLATE SPECIFICATIONS

SRS	TOP PLATE	SPECIFICATION		Attaching Bolt	Remarks
		Overall Size	Bolt Hole Spacing		
10SRS	1011 A1	1-3/16×1-25/32	5/32×1-3/8	3/16	
	1020 A1	1-7/8×2-9/16	15/16×2-1/8	1/4	
	1025 A1	2-3/4×3-27/32	1-3/4×3	5/16	
	1030 A1	3-1/8×4-1/16	2-3/8×3-11/32 to 3-7/16	5/16	
	1040 A1	4×5-1/18	3×4	3/8	
11SRS	A1	1-7/8×2-9/16	1-3/16×2-1/8	1/4	
12SRS	A1	3-1/8×4-1/8	2-3/8×3-13/32,3-1/2 on center	5/16,3/8	
	A2	2-13/64×3-11/32×4-3/32	1-9/16×2-3/4×3-15/32	5/16	
	A3	3×4-7/16	3-1/2 on center	3/8	
20SRS 26SRS	A1	2-3/8×3-5/8	1-3/4×2-11/16 to 2-15/16	5/16	
	A2	3-1/8×4-1/8	1-3/4×2-15/16 to 2-3/8×3-3/8	3/8	
	A3	3-15/16×4-1/2	2-5/8×3-5/8 to 3×3	3/8	
21SRS 28SRS	A1	2-1/2×3-5/8	1-3/4×2-7/8 to 3	5/16	
	A2	3-1/8×4-1/8	1-3/4×3 to 2-3/8×3-3/8	3/8	
	A3	3-15/16×4-1/2	2-5/8×3-5/8 to 3×3	3/8	
	A4	3-1/2×3-1/2	2-7/16×2-7/16	1/4	
22SRS	A1	2-3/4×3-7/8	1-3/4×2-7/8 to 3	5/16	
23SRS	A1	1-1/4×2-1/16	13/16×1-9/16	3/16	
24SRS	A1	1-7/8×2-9/16	15/16×2-1/8	1/4	
	A2	2-3/8×3-5/8	1-3/4×2-7/8 to 3	5/16	
25SRS	A1	3-1/16×3-7/8	2-23/64×3-1/16 to 3-7/32	3/8	
	A2	3-1/8×4-3/32	1-9/64×2-15/16 to 2-3/8×3-3/8	3/8	
32SRS	A1-Swivel	4×4	2-31/32×2-31/32 to 3-5/32×3-5/32	13/32	
	A1-Rigid	4-1/4×4-1/2	2-31/32×2-31/32 to 3-5/32×3-5/32	13/32	
40SRS	A1	3-15/16×4-1/2	2-5/8×3-5/8 to 3×3	3/8	70SRS
	A2	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
	A3	5×5-1/2	4-1/8×4-1/2	1/2	
	A4	4×5	3×4 to 2-9/16×3-1/2	3/8	
41SRS 42SRS	A1	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
	A2	4-31/32×6-7/32	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
44SRS	A1	3-15/16×4-1/2	2-5/8×3-5/8 to 3×3	3/8	
45SRS	A1	3-15/16×4-1/2	2-5/8×3-5/8 to 3×3	3/8	
	A2	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
	A3	5×5-1/2	4×4-1/8	1/2	
	A4	4×5	3×4 to 2-9/16×3-1/2	3/8	
50SRS	A1	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	71SRS
51SRS	A1	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
53SRS	A1	5-1/4×7-1/4	4-1/8×6-1/8 to 3-3/8×5-1/4	3/4	
60SRS	A1	3-3/4×2-3/4	3×2 to 2-3/4×1-3/4	M10	
94SRS	A1	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
	A2	4-31/32×6-7/32	2-7/16×4-15/16 to 3-3/8×5-1/4	1/2	
95SRS	A1	4-1/2×6-1/4	2-7/16×4-15/16 to 3-3/8×5-1/4	M12	

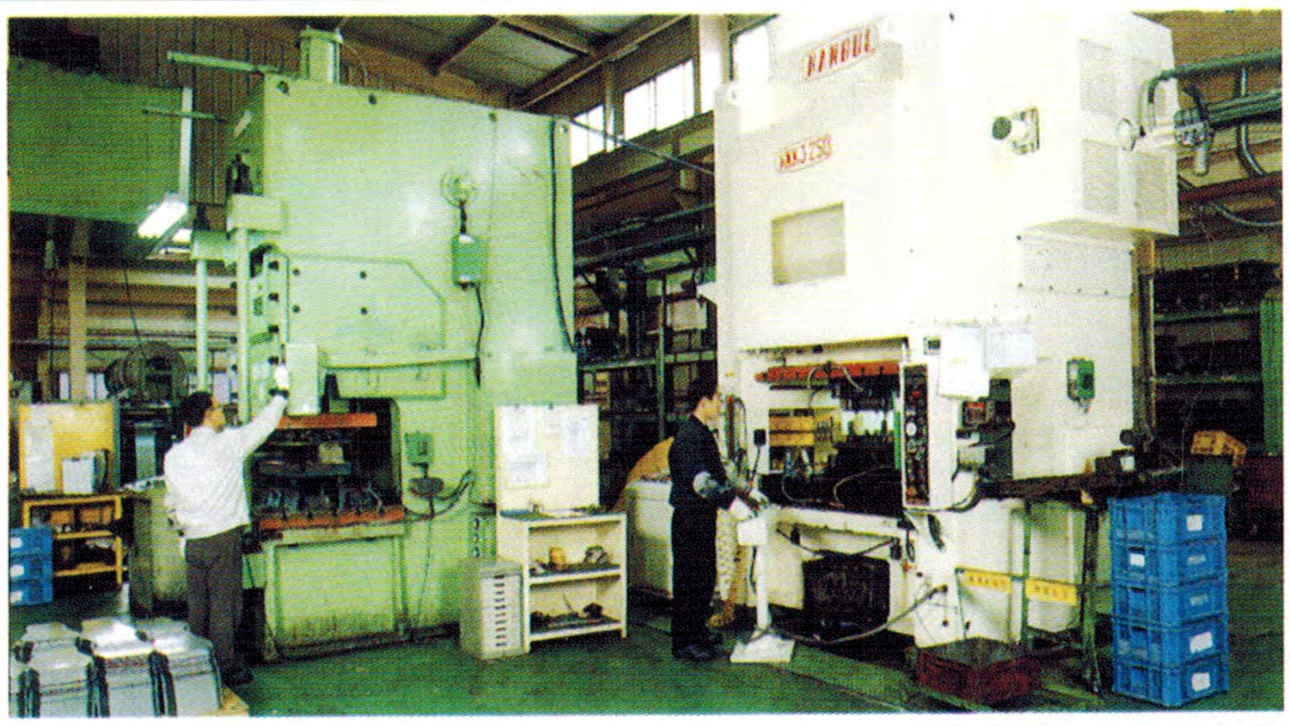
PPI CASTERS' STEM SPECIFICATIONS

SRS	STEM	PARK NAME	SPECIFICATION	REMARKS
20 SRS	THREADED STEM	B1	1/2×UNC 13×1	HEXA/ROUND
		B2	1/2×UNC 13×1-1/2	HEXA/ROUND
		B3	5/8×UNC 11×1-1/4	HEXA BASE
		B4	1/2×UNC 13×2	HEXA/ROUND
		B5	1/2×UNC 20×3	HEXA
		B6	7/16×UNC14×7/8	ROUND
		B7	1/2×UNC13×2-1/2	HEXA
		B8	7/16×UNC14×1-1/2	ROUND
		B9	1/2×UNC13×3	HEXA
		B10	M16×P1.5×L76	HEXA
		B11	1/2×UNC13×3/4	HEXA
		B12	1/2×UNC13×2-3/4	ROUND
		B16	5/8×UNC11×1-1/2	
		B17	3/4×UNC10×1-1/2	
		B18	3/4×UNC10×1	
	GRIP RING STEM	D1	7/16×1-1/2	
		D2	27/32×2-1/2	
		D3	7/8×2-7/16	
	ROUND STEM	E1	7/8×2-3/32	
		E2	1×2-1/4	
		E3	1×2-1/2(Φ3/8″)	
	OCTAGON STEM	F1	27/32×2-7/16	
21 SRS 28 SRS	THREADED STEM	B1	1/2×UNC13×1-1/2	HEXA/ROUND
		B2	1/2×UNC13×2-3/4	ROUND
		B3	5/8×UNC11×1-1/4	HEXA
		B4	1/2×UNC13×2	ROUND
		B5	1/2×UNC20×3	HEXA
		B6	7/16×UNC14×7/8	ROUND
		B7	1/2×UNC13×2-1/2	HEXA
		B8	7/6×UNC14×1-1/2	ROUND
		B9	1/2×UNC13×3	HEXA
		B10	M16×P1.5×L76	HEXA
		B11	1/2×UNC13×3/4	HEXA/ROUND
		B12	1/2×UNC13×1	HEXA/ROUND
	SQUARE STEM	C1	7/8×2	
		C2	7/8×2-1/2	
	GRIP RING STEM	D1	7/8×2-7/16	
		D2	27/32×2-1/2	
		D3	7/16×1-1/2	
	ROUND STEM	E1	7/8×2-3/32	
		E2	1×2-1/4	
		E3	1×2-1/2(Φ3/8″)	
	OCTAGON STEM	F1	27/32×2-7/16	
22 SRS	THREADED STEM	B1	7/16×UNC14×2-1/4	ROUND
		B2	1/2×UNC13×1-1/2	ROUND
		B3	5/8×UNC11×1-1/4	HEXA
		B4	1/2×UNC12×1-37/64	HEXA
		B5	1/2×UNC13×1	
		B6	1/2×UNC13×2-3/4	
		B7	1/2×UNC13×2	
		B8	1/2×UNC13×1-3/4	
	SQUARE STEM	C1	7/8×1-5/8	
		C2	27/32×2-1/4(Φ10.3)	
		C3	27/32×2-1/4(Φ5.2)	
	GRIP RING STEM	D1	7/16×1-1/2	
	OCTAGON STEM	F7	27/32×2-13/64	
23 SRS	THREADED STEM	B1	1/2×UNC12×5/8	
		B2	1/2×UNC12×1	
		B3	3/8×UNC16×1	
		B4	3/8×UNC16×1-1/4	
		B5	3/8×UNC16×1-1/2	
		B6	5/16×UNC18×1	
	GRIP RING STEM	D1	7/16×1-3/16	
24 SRS	THREADED STEM	B1	1/2×UNC13×1-1/2	
		B2	1/2×UNC13×2-3/4	
	GRIP RING STEM	D1	7/16×1-1/2	

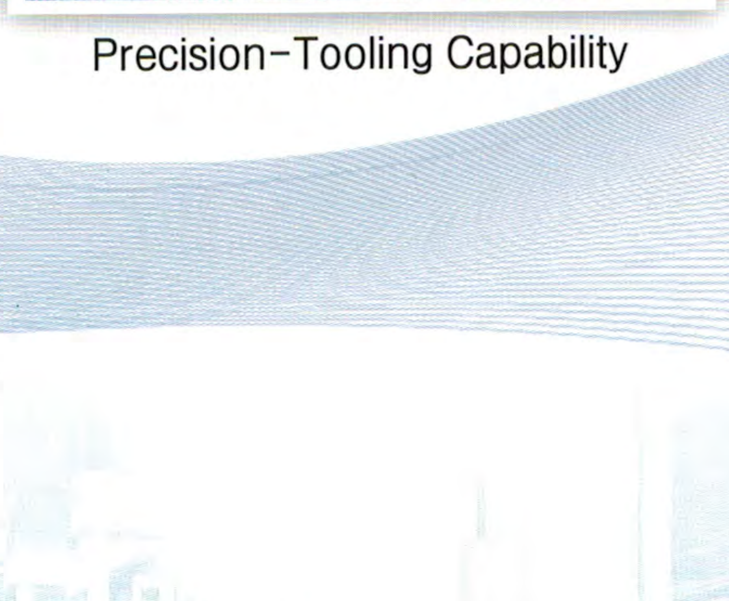
MANUFACTURE PROCESS



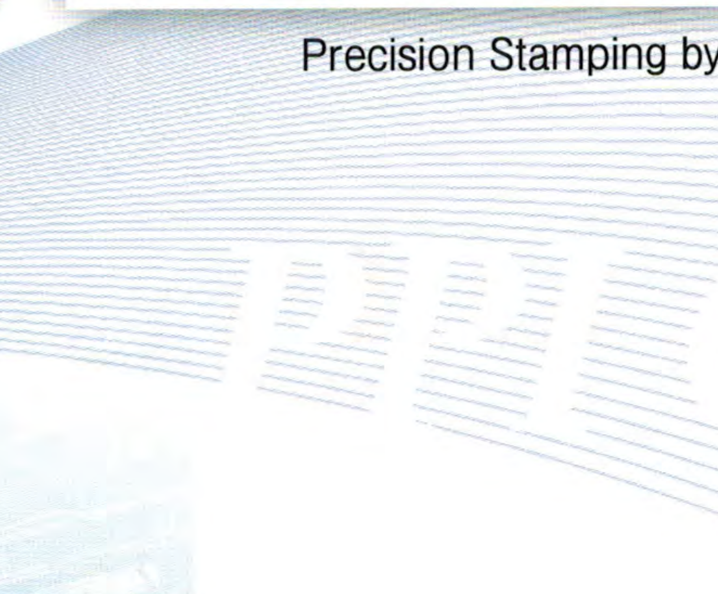
Precision-Tooling Capability



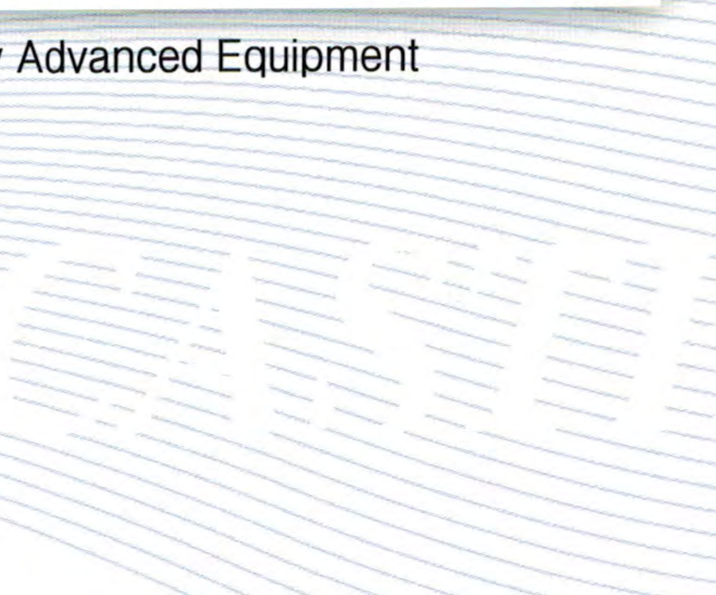
Precision Stamping by Advanced Equipment



Robotic Welding



Automatic Assembly Process



Fly-Wheel Test