Nomenclature

With thousands of options, casters can be difficult to specify. Please contact the professionals for fast help at www.shepherdcasters.com or call us at 1-800-253-0868.

Example model number shown (PGS50120ZN-TPR33(GG) TB is an institutional caster (**PGS**). The wheel diameter is 5" (**50**). The fastening is a swivel top plate (**120**). The caster fork finish is zinc (**ZN**). The wheel is a TPR (**TPR**) with a precision bearing and full thread guard (**33**). The color of the tread is grey and the wheel core is grey (**GG**). The caster has an optional tread lock brake (**TB**).

PGS 50 120 ZN- TPR 33 (GG) TB

Wheel Diameter
All series except twin wheels are 2 digits and are in inches, ie 30=3". Some twin wheels extend to 3 digits ie 100=100mm

Fastening
See pages 59-67 for a listing of all fastenings

Finish
ZN-Zinc
TZ-ROHS compliant Zinc
BO-Black Oxide
BK-Black
BB-Bright Brass
BC-Bright Chrome
WA-Windsor Antique
SC Satin Chrome

Wheel
Single wheel casters only
See pages 92-100 for a listing of all wheel types, some lighter duty casters have a 2 digit code.

Bearing/Thread Guard
01- plain bore, no thread guard
11- Delrin, no thread guard
21- Two pc ball bearing, no thread guard
22- two piece ball bearing, partial wheel thread guard
33- Precision bearing, full thread guard
51- roller bearing, no thread guard
81- sealed roller bearing, no thread guard

Wheel Color
Tread Color and Core color, see individual product sections for wheel color options

Options
Will include brake options and other non-standard options. In Twin wheels will also include tread options such as urethane (-U). See individual product sections for details.

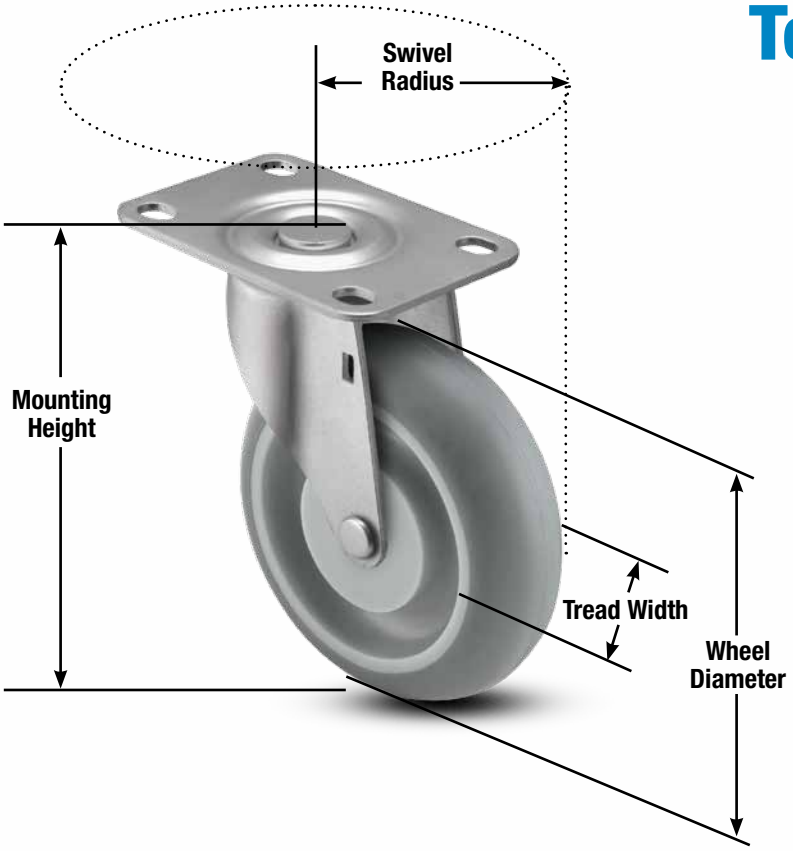
Caster Code

Code	Description
PRE	Regent-Swivel
PRI	Regent-Rigid
PMN	Monarch
PGR	Institutional Rigid
PGS	Institutional Swivel
PGT	Institutional Total Lock
PRQ	General Duty Rigid
PSQ	General Duty Swivel
COO	Low Profile Low Profile
BLS	Low Profile Swivel
BLM	Low Profile Swivel
BLR	Low Profile Rigid
BLR	Low Profile Rigid
BDS	BDS Swivel
BDR	BDR Swivel
POM	Omega
PRS	RS Series
PRT	RT Total Lock Series
PEC	Eclipse

Code	Description
PGE	Genesis
PCM	Ball Casters Cosmo
PSE	Ball Casters Satellite
PSN	Ball Casters Saturn
PST	Ball Casters Starlet
PPL	Ball Casters Planet
PBH	Baron
PSF	SoftTech Series
PUT	Ultima Series
PPA	Pacer Series
PTW	Source II
PSC	Specialty Chair Casters
PSD	Specialty Chair Casters
TGE	Genesis Dual
RXS	GRX High Performance
PLD	Ladder Caster
PGN	Glass Handling Casters
PDT	PDT Caster

Terms & Definitions

Caster Terms



Swivel Radius – The distance from the center of the fastening to the outer most point of the caster. This specifies the minimum clearance required for a mounted caster to swivel 360 degrees.

Wheel Diameter – The vertical measurement from the bottom to the top of the wheel (wheel diameter also commonly refers to the size of the caster). Generally, the larger the wheel diameter, the easier it will roll.

Mounting Height – The total distance the caster raises the unit off the floor when assembled. It is ideally the measurement from the bottom of the wheel to the top of the fastening (does not include stem within the unit).

Dynamic Load – The calculated load a caster has been designed to support while in use. This dynamic calculation is determined by static load, durability and impact factors—and is assigned on a per caster basis. To determine the load required based on the number of casters on the unit, divide the fully loaded product weight by the number of casters.

Other Important Selection Considerations:

- **Load capacity:** divide the fully loaded product weight by the number of casters to determine the dynamic load rating required per caster.
- **Floor conditions:** hard treads usually provide greater capacity, but are louder and can damage some floors. Soft treads are quieter, more floor protective, more shock absorbing, and roll more easily over obstructions.
- **Rollability:** the right bearing and wheel material can make a big difference. Precision ball bearings reduce the effort needed to initiate and sustain rolling—while larger diameter, crowned and hard tread wheels also generally help with improved rollability.
- **Brakes:** a host of brake options are available, some designed for economic solutions (Side and Friction), others for a positive locking wheel brake (Tread Locks and Top Locks), and others to ensure safety by positively locking both wheel and swivel (Total Locks).
- **Mounting methods:** many considerations come into selecting the right fastening method. With hundreds of options available, we have the experience to ensure you utilize the proper method.
- **Maintenance considerations:** various bearing types are available to provide maintenance free operation.
- **Unusual conditions:** are frequent washings, salt water, high heat, or non-magnetic requirements present? We have you covered if so.

Caster Assembly Parts