

FEATURES & SPECIFICATIONS:

- Body constructed of glass-filled nylon for high load capacities, durability, and long life.
- QuikStart wheel (70A durometer) is quiet, non-marking, and maintains smooth roll even after brake has been applied for long periods of time.
- 100mm (4"), 125mm (5"), and 150mm (6") models all feature sealed precision ball bearing raceway design, making this caster ergonomically friendly and quieter than dual ball bearing constructions.
- All models feature sealed precision ball bearing wheels and full thread guards to keep out entangling debris and provide superior, quiet mobility.
- Standard color: RAL 7001 (light grey body and total lock pedal); RAL 7011 (dark grey wheel tread and thread guards); RAL 3020 (red total lock pedal); RAL 6024 (green directional lock pedal).

OPTIONS:

- **Total Lock and Directional Lock Brakes** available on 100mm (4"), 125mm (5"), and 150mm (6") sizes. Total lock brake (grey or red) locks both the wheel and swivel section when engaged; directional lock brake (green) locks only the swivel when engaged for easy steering.
- **Custom colors, stainless steel** componentry, **antimicrobial** and **antistatic** models also available by special order (minimums apply).
- **Extended Brake Pedal** available on 100mm (4"), 125mm (5"), and 150mm (6") sizes for applications requiring easier access to engage or disengage brakes—see page 6 for additional details and specifications.



EXPANDING ADAPTER OPTIONS: 100MM (4"), 125MM (5"), AND 150MM (6") MODELS

Directional Lock casters are not compatible with expanding adapter stems.

Fitting Code	Imperial Expansion Range (length is approx. 2.25")	Metric Expansion Range (length is approx. 57mm)
Round Nylon Expanding Adapters		
XRN1	.70"-.78"	17.8-19.7mm
XRN2	.78"-.85"	19.8-21.7mm
XRN3	.86"-.97"	21.8-24.7mm
XRN4	.97"-1.13"	24.8-28.7mm
XRN5	1.14"-1.29"	28.8-32.7mm
Square Nylon Expanding Adapters		
XSN1	.78"-.81"	19.6-20.9mm
XSN2	.83"-.87"	21.0-21.9mm
XSN3	.88"-.94"	22.0-24.0mm
XSN5	.985"-1.12"	25.8-28.5mm
XSN6	1.13"-1.16"	28.6-29.5mm
XSN7	1.16"-1.29"	29.6-32.7mm
XSN9	1.36"-1.46"	34.6-37.0mm
Round Rubber Expanding Adapters		
XRR1	.75"-.81"	19.04-20.62mm
XRR2	.88"-.94"	22.21-23.79mm
XRR3	1.0"-1.06"	25.4-26.99mm
XRR4	1.13"-1.19"	28.7-30.23mm
XRR5	1.25"-1.31"	31.75-33.27mm
XRR6	1.38"-1.44"	35.05-36.57mm
XRR7	1.5"-1.56"	38.1-39.62mm
XRR8	1.63"-1.69"	41.4-42.93mm



To order, add fitting code to end of model numbers shown on pages 3-5.

EXTENDED BRAKE PEDAL

The need for extra access to the brake pedal is necessary in certain applications. For this reason, we also have the Extended Brake Pedal available on 100mm (4"), 125mm (5"), and 150mm (6") sizes. The Extended Brake Pedal allows for easier access to release the brake when the equipment or a bumper restricts access to the standard brake pedal. Please contact factory for ordering information.

Extended Brake Swivel Radius

Wheel Diameter	Total Lock & Directional Lock Swivel Radius
100mm (4")	113mm (4.45")
125mm (5")	113mm (4.45")
150mm (6")	123mm (4.84")



DIRECTIONAL LOCK

*Directional Lock casters with RS01, RS02, RS03, and GR09 all come standard with the mounting hole in line with the caster's direction of travel when engaged. The hole location can also be set at 90 degrees to the direction of travel. This must be noted by adding @90 to the end of the part number.

INTRODUCING AVANT SERIES

ULTRA QUIET SWIVEL AND ROLL

Precision ball bearing swivel and wheel provide quieter mobility than competitors' double ball bearing raceway design

SMOOTH ERGONOMIC PERFORMANCE

Make movement easier and improve user satisfaction and safety with Avant's QuikStart wheels

CLEAN + MAINTENANCE FREE

Sealed bearings, non-marking wheels, and integrated thread guards keep out dirt and entangling debris



CAD MODELS AND DATASHEETS
WWW.MEDCASTER.COM/AVANT



See the complete Avant family of casters inside.

75MM (3") TOP PLATE MODELS

SWIVEL	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		75mm (3")	25mm (1")	80kg (176lbs)	115.5mm (4.5")	64.5mm (2.54")	AV03QRP100SW	Top Plate: TP01, TP05, TP07, TP09 (Plate size and bolt patterns shown below)

WHEEL LOCK	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		75mm (3")	25mm (1")	80kg (176lbs)	115.5mm (4.5")	73mm (2.88")	AV03QRP100TB	Top Plate: TP01, TP05, TP07, TP09 (Plate size and bolt patterns shown below)

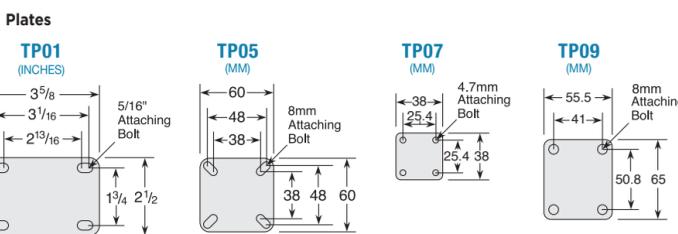
To order, add blue fitting code to end of model number
Example: AV03QRP100SWTP01

75MM (3") STEM MODELS

SWIVEL	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT BY FITTING	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		75mm (3")	25mm (1")	80kg (176lbs)	Grip Ring: 107.5mm (4.23") Threaded: 112.5mm (4.43")	64.5mm (2.54")	AV03QRP100SW	Grip Ring Stems: GR01, GR10 Threaded Stems: TS02, TS06, TS07, TS15, TS34, TS37

WHEEL LOCK	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT BY FITTING	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		75mm (3")	25mm (1")	80kg (176lbs)	Grip Ring: 107.5mm (4.23") Threaded: 112.5mm (4.43")	73mm (2.88")	AV03QRP100TB	

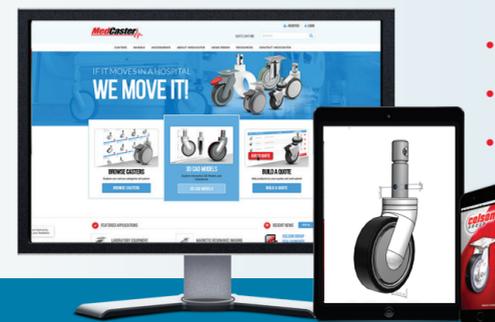
To order, add blue fitting code to end of model number
Example: AV03QRP100SWTS06



Grip Ring (GR)	GR01	7/16" x 7/8" (11mm x 22mm)
GR10	7/16" x 1-3/8" (11mm x 35mm)	
Threaded Stem (TS)	TS02	1/2"-13NC x 1"
TS06	3/8"-16NC x 1"	
TS07	M12 x 25mm	
TS15	M10 x 15mm	
TS34	M10 x 25mm	
TS37	M12 x 38mm	

FREE CAD MODELS & DATASHEETS

EXPLORE • DOWNLOAD • SHARE



- Configure any catalog item and download in your native CAD format
- Share models and datasheets with your entire team
- Submit quote requests instantly

EXPLORE ONLINE
www.medcaster.com/avant

OR ON THE GO, WITH "Caster CAD 3D"
Download on the App Store | GET IT ON Google Play

For additional information, please contact any Colson Group USA sales representative.



100MM (4") TOP PLATE MODELS

SWIVEL	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		100mm (4")	32mm (1.25")	100kg (220lbs)	146.5mm (5.77")	86mm (3.39")	AV04QRP125SW	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		100mm (4")	32mm (1.25")	100kg (220lbs)	146.5mm (5.77")	102.5mm (4.04")	AV04QRP125TL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		100mm (4")	32mm (1.25")	100kg (220lbs)	146.5mm (5.77")	102.5mm (4.04")	AV04QRP125DL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

Optional Extended Brake Pedal available—see page 6.

TP01 features grey brake pedal. TP11 and TP13 feature red brake pedals.

To order, add blue fitting code to end of model number. Example: AV04QRP125SWTP01

100MM (4") STEM MODELS

SWIVEL	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		100mm (4")	32mm (1.25")	100kg (220lbs)	139mm (5.47")	86mm (3.39")	AV04QRP125SW	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring Stems: GR02, GR06, GR09
		100mm (4")	32mm (1.25")	100kg (220lbs)	139mm (5.47")	102.5mm (4.04")	AV04QRP125TL	Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22 Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7
		100mm (4")	32mm (1.25")	100kg (220lbs)	139mm (5.47")	102.5mm (4.04")	AV04QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring: GR09

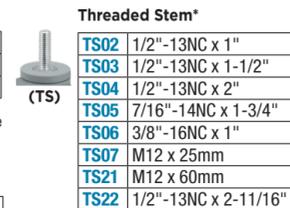
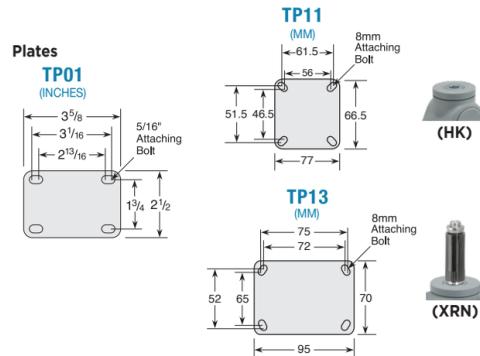
*All Total Lock stem models feature red brake pedal; grey pedal available by special order. Optional Extended Brake Pedal available—see page 6.

To order, add blue fitting code to end of model number. Example: AV04QRP125SWRS01

See page 6 for additional ordering information.

FITTING OPTIONS

**Note: Threaded stem Directional Locks available upon request.



125MM (5") TOP PLATE MODELS

SWIVEL	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		125mm (5")	32mm (1.25")	100kg (220lbs)	169.5mm (6.67")	102.5mm (4.04")	AV05QRP125SW	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		125mm (5")	32mm (1.25")	100kg (220lbs)	169.5mm (6.67")	102.5mm (4.04")	AV05QRP125TL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		125mm (5")	32mm (1.25")	100kg (220lbs)	169.5mm (6.67")	102.5mm (4.04")	AV05QRP125DL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

Optional Extended Brake Pedal available—see page 6.

TP01 features grey brake pedal. TP11 and TP13 feature red brake pedals.

To order, add blue fitting code to end of model number. Example: AV05QRP125SWTP01

125MM (5") STEM MODELS

SWIVEL	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		125mm (5")	32mm (1.25")	100kg (220lbs)	162mm (6.375")	102.5mm (4.04")	AV05QRP125SW	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring Stems: GR02, GR06, GR09
		125mm (5")	32mm (1.25")	100kg (220lbs)	162mm (6.375")	102.5mm (4.04")	AV05QRP125TL	Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22 Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7
		125mm (5")	32mm (1.25")	100kg (220lbs)	162mm (6.375")	102.5mm (4.04")	AV05QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring: GR09

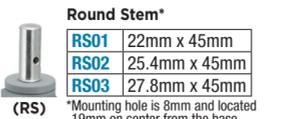
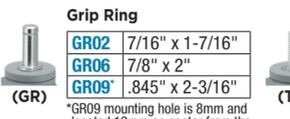
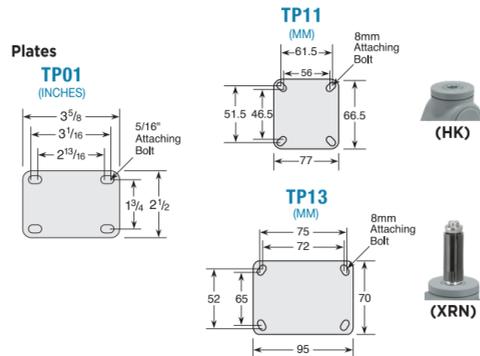
*All Total Lock stem models feature red brake pedal; grey pedal available by special order. Optional Extended Brake Pedal available—see page 6.

To order, add blue fitting code to end of model number. Example: AV05QRP125SWRS01

See page 6 for additional ordering information.

FITTING OPTIONS

**Note: Threaded stem Directional Locks available upon request.



150MM (6") TOP PLATE MODELS

SWIVEL	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		150mm (6")	32mm (1.25")	100kg (220lbs)	195.5mm (7.7")	120mm (4.72")	AV06QRP125SW	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		150mm (6")	32mm (1.25")	100kg (220lbs)	195.5mm (7.7")	120mm (4.72")	AV06QRP125TL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)
		150mm (6")	32mm (1.25")	100kg (220lbs)	195.5mm (7.7")	120mm (4.72")	AV06QRP125DL	Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

Optional Extended Brake Pedal available—see page 6.

TP01 features grey brake pedal. TP11 and TP13 feature red brake pedals.

To order, add blue fitting code to end of model number. Example: AV06QRP125SWTP01

150MM (6") STEM MODELS

SWIVEL	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
		150mm (6")	32mm (1.25")	100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125SW	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring Stems: GR02, GR06, GR09
		150mm (6")	32mm (1.25")	100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125TL	Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22 Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7
		150mm (6")	32mm (1.25")	100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03 Grip Ring: GR09

*All Total Lock stem models feature red brake pedal; grey pedal available by special order. Optional Extended Brake Pedal available—see page 6.

To order, add blue fitting code to end of model number. Example: AV06QRP125SWRS01

See page 6 for additional ordering information.

FITTING OPTIONS

**Note: Threaded stem Directional Locks available upon request.

