



#### **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
- •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
- All models feature sealed precision ball bearing wheels and full thread guards to keep out entangling debris and provide superior,
- 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).

- · 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
- · 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	d Nylon Expanding Adapt	ers
	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
	XSN1 XSN2	.78"81" .83"87"	19.6–20.9mm 21.0–21.9mm
	Squar	e Nylon Expanding Adap	ters
		100 101	
	XSN3	.88"–.94"	22.0–24.0mm
		00511 4 4011	05 0 00 5
	XSN5	.985"-1.12"	25.8–28.5mm
	XSN5 XSN6	1.13"-1.16"	28.6-29.5mm
	XSN5 XSN6 XSN7	1.13"-1.16" 1.16"-1.29"	28.6–29.5mm 29.6–32.7mm
	XSN5 XSN6	1.13"-1.16"	28.6-29.5mm
	XSN5 XSN6 XSN7 XSN9	1.13"-1.16" 1.16"-1.29" 1.36"-1.46"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm
	XSN5 XSN6 XSN7 XSN9	1.13"-1.16" 1.16"-1.29" 1.36"-1.46"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm
	XSN5 XSN6 XSN7 XSN9	1.13"-1.16" 1.16"-1.29" 1.36"-1.46"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm
)	XSN5 XSN6 XSN7 XSN9 Round	1.13"-1.16" 1.16"-1.29" 1.36"-1.46" I Rubber Expanding Adal .75"81"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm oters 19.04–20.62mm
	XSN5 XSN6 XSN7 XSN9 Round XRR1 XRR2	1.13"-1.16" 1.16"-1.29" 1.36"-1.46" I Rubber Expanding Adal .75"81" .88"94"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm <b>oters</b> 19.04–20.62mm 22.21–23.79mm
	XSN5 XSN6 XSN7 XSN9 Round XRR1 XRR2 XRR3	1.13"-1.16" 1.16"-1.29" 1.36"-1.46" <b>Rubber Expanding Adal</b> .75"81" .88"94" 1.0"-1.06"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm <b>oters</b> 19.04–20.62mm 22.21–23.79mm 25.4–26.99mm
	XSN5 XSN6 XSN7 XSN9 Round XRR1 XRR2 XRR3 XRR4	1.13"-1.16" 1.16"-1.29" 1.36"-1.46" <b>Rubber Expanding Adal</b> .75"81" .88"94" 1.0"-1.06" 1.13"-1.19"	28.6–29.5mm 29.6–32.7mm 34.6–37.0mm <b>oters</b> 19.04–20.62mm 22.21–23.79mm 25.4–26.99mm 28.7–30.23mm

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

41.4-42.93mm

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#### 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

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\*\*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

## ULTRA OUIET 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 quards keep out dirt and entangling debris

#### See the complete Avant family of casters inside.

## 75MM (3") TOP PLATE MODELS

SWIVEL	Top Plate

DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT	RADIUS	(INSERT FITTING CODE)	FITTING C	OPTION
75mm (3")	25mm (1")	80kg (176lbs)	115.5mm (4.5")	64.5mm (2.54")	AV03QRP100SW	Top Plate: TP01, TP05, (Plate size and bolt patterns sh	



b	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")	AVUSUKPIIIIIK	Top Plate: TP01, TP05, TP07, TP09 (Plate size and bolt patterns shown below)

To order, add blue fitting code

Example: AV03QRP100SWTP0

to end of model number

AV03QRP100SW

AV03QRP100TB

#### 75MM (3") STEM MODELS

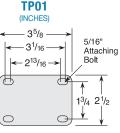


DIAMETER	WIDTH	CAPACITY	BY FI	TTING	RA
75mm (3")	25mm (1")	80kg (176lbs)	<b>Grip Ring:</b> 107.5mm (4.23")	Threaded: 112.5mm (4.43")	64. (2.

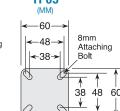
ose 1g	
ig 4	20

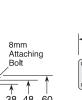
WHEEL DIAMETER	TREAD WIDTH	(
75mm (3")	25mm (1")	

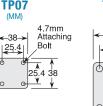
## FITTING OPTIONS



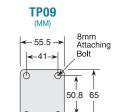
# |-38→







107.5mm 112.5mm



73mm

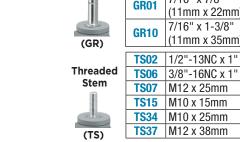
(2.88")



To order, add blue fitting code

Example: AV030RP100SWTS06

to end of model number



## **Grip Ring** 7/16" x 7/8" (11mm x 22mm) (11mm x 35mm) TS06 3/8"-16NC x 1"

FITTING OPTIONS

S02, TS06, TS07, TS15, TS34, TS37

**Grip Ring Stems:** 

Threaded Stems:



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100	MM (4") TOP	PLATE	MODE	ELS				
SWIVEL	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
SW	as a second	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)
LOCK	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
TOTAL L		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)
		Optional Exte	nded Brake	Pedal availa	ıble—see page 6.			TP01 features grey brake pedal  TP11 and TP13 feature red brake pedals
L LOCK	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
CTIONAL	Tos	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)

## 100MM (4") STEM MODELS

Ę	Fitting		WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
MS.		Contract of the contract of th	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
**	Choose Fitting		WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22
=		77/5	100mm	32mm	100kg	139mm	102.5mm	<b>ΛV040</b> ₽ <b>D125T</b> I	Expanding Adapter Stems: XRN1,

(4.04")

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

Optional Extended Brake Pedal available—see page 6.

(1.25") (220lbs)

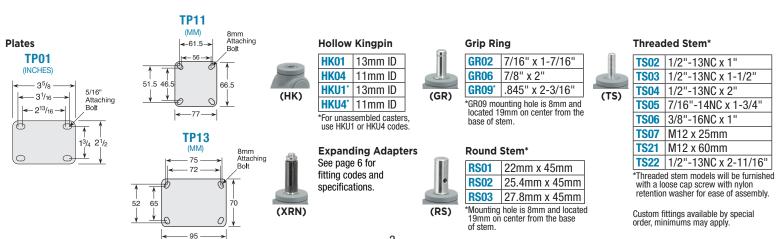
			. •			
WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
100mm (4")	32mm (1. 25")	100kg (220lbs)	139mm (5.47")	102.5mm (4.04")	AV04QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4
Optional Extended Brake Pedal available—see page 6.				end of r	r, add blue fitting code to nodel number	Round Stems: RS01, RS02, RS03 Grip Ring: GR09  See page 6 for additional
				Example	e: <b>AV04QRP125SWRS01</b> _	ordering information.

end of model number

Example: AV04QRP125SWTP0

AV04QRP125TL

#### FITTING OPTIONS \*\*Note: Threaded stem Directional Locks available upon request.



## 125MM (5") TOP PLATE MODELS

Plates

	Top Plate	WHEEL	TREAD	LOAD	OVERALL HEIGHT	SWIVEL	MODEL NUMBER	FITTING OPTIONS
SWIVEL		DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT	RADIUS	(INSERT FITTING CODE)	FITTING OPTIONS
SW		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)
OCK	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
TOTAL LOCK	TO B	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)
×		Optional Exter	nded Brake	Pedal availa	ble—see page 6.			TP01 features grey brake pedal  TP11 and TP13 feature red brake pedals
707	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
DIRECTIONAL LOCK		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)
DIRE		Optional Exter	nded Brake	Pedal availa	ble—see page 6.	To ordo	r, add blue fitting code to	
125	MM (5") STEN	M MODE	ELS			end of r	nodel number e: AV05QRP125SWTP01	
SWIVEL	Choose Fitting	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
SW		125mm	32mm	100ka	162mm	102 5mm		Hollow Kingpin: HK01, HK04

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
						Threaded Stems: TS02, TS03, TS04,
WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	TS05, TS06, TS07, TS21, TS22
125mm (5")	32mm (1.25")	100kg (220lbs)	162mm (6.375")	102.5mm (4.04")	AV05QRP125TL	Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7

WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY			MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
125mm (5")	32mm (1.25")	100kg (220lbs)	162mm (6.375")	102.5mm (4.04")	AV05QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4
Optional Exte	nded Brake	Pedal availa	ble—see page 6.		r, add blue fitting code to nodel number	Round Stems: RS01, RS02, RS03 Grip Ring: GR09

Example: AV05QRP125SWRS01

#### FITTING OPTIONS \*\*Note: Threaded stem Directional Locks available upon request.

	<b>TP11</b> (MM) 8mm						
Plates	←61.5→ Attaching Bolt	- 1	Hollow Kingpin		Grip Ring		Threaded Stem*
TP01 (INCHES)  35/8  31/16  Attaching Bolt	51.5 46.5 ← 77 → TP13	(НК)	HK01 13mm ID HK04 11mm ID HKU1* 13mm ID HKU4* 11mm ID *For unassembled casters, use HKU1 or HKU4 codes.	(GR)	GR02 7/16" x 1-7/16" GR06 7/8" x 2" GR09* .845" x 2-3/16" *GR09 mounting hole is 8mm and located 19mm on center from the base of stem.	(TS)	TS02 1/2"-13NC x 1" TS03 1/2"-13NC x 1-1/2" TS04 1/2"-13NC x 2" TS05 7/16"-14NC x 1-3/4" TS06 3/8"-16NC x 1" TS07 M12 x 25mm
13/4 21/2	(MM) 8mm		Expanding Adapters		Round Stem*		TS21 M12 x 60mm
	75 Attaching Bolt 72 75 75 70 70		See page 6 for fitting codes and specifications.		RS01   22mm x 45mm RS02   25.4mm x 45mm RS03   27.8mm x 45mm		*Threaded stem models will be furnished with a loose cap screw with nylon retention washer for ease of assembly.
		(XRN)		(RS)	*Mounting hole is 8mm and located 19mm on center from the base		Custom fittings available by special order, minimums may apply.

## 150MM (6") TOP PLATE MODELS

Top Plate WHEEL TREAD LOAD OVERALL HEIGHT SWIVEL

		DIAMETER	WIDTH	CAPACITY	OVERALL REIGHT	RADIUS	(INSERT FITTING CODE)	FILLING OPTIONS
SWIVE		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)
OCK	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS
TOTAL LOCK		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)
¥		Optional Exte	nded Brake	Pedal availa	ble—see page 6.			TP01 features grey brake pedal  TP11 and TP13 feature red brake pedals
_	Top Plate	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)	FITTING OPTIONS
DIRECTIONAL		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)
DIRE		Optional Exte	nded Brake	Pedal availa	ble—see page 6.	To orde	r, add blue fitting code to	
150MM (6") STEM MODELS  end of model number Example: AV06QRP125SWTP01								
_	Observa	WHEEL	TDEAD	LOAD		SWIVEL	MODEL NUMBER	
SWIVEL	Choose Fitting	DIAMETER	TREAD WIDTH	CAPACITY	OVERALL HEIGHT	RADIUS	(INSERT FITTING CODE)	FITTING OPTIONS
SW		150mm	32mm	100kg	188mm (7.4")	120mm	AV06QRP125SW	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

	150mm (6")	32mm (1.25")	100kg (220lbs)	188mm (7.4")	AVORORPIZASW		Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03
							Grip Ring Stems: GR02, GR06, GR09 Threaded Stems: TS02, TS03, TS04,
	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)	TS05, TS06, TS07, TS21, TS22
/ <	150mm	22mm	100kg	100mm	120mm		Expanding Adapter Stems: XRN1,

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

(6") (1.25") (220lbs)

hoose tting		WHEEL DIAMETER					MODEL NUMBER (INSERT FITTING CODE)	FITTING OPTIONS	
				100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125DL	Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4	
		Optional Exte	nded Brake	Pedal availa	ble—see page 6.		r, add blue fitting code to model number	Round Stems: RS01, RS02, RS03 Grip Ring: GR09	
וב ח	DTIONS						e: AV06QRP125SWRS01 _	See page 6 for additional ordering information.	

(4.72")

#### FITTING OPTIONS

See page 6 for additiona

order, minimums may apply.

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

MODEL NUMBER

