



INTRODUCING

S E R I E S

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





Explore Avant Online

colson-castors.de/avant

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, 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 andspecifications.



75MM (3") TOP PLATE MODELS

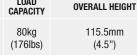
SWIVEL





100	D
)	

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



SWIVEL RADIUS 64.5mm (2.54")

SWIVEL

(INSERT FITTING CODE) AV03QRP100SW

MODEL NUMBER

MODEL NUMBER

Top Plate: TP01, TP05, TP07, TP09

(Plate size and bolt patterns shown below)

FITTING OPTIONS

FITTING OPTIONS

FITTING OPTIONS



μPič	110	-000	a	lo	je.
	9	2			
	4	8	3/1	9	
	A		16		
	Я	(o	w.		
	-	-	2		

DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT
75mm	25mm	80kg	115.5mm
(3")	(1")	(176lbs)	(4.5")

LOAD

SWIVEL RADIUS (INSERT FITTING CODE) 73mm AV03QRP100TB (2.88")

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

To order, add red fitting code to end of model number

Example: AV03QRP100TBTP01

75MM (3") STEM MODELS

SWIVEL



ò		
š.		
F		

WHEEL	TREAD	LOAD
DIAMETER	WIDTH	CAPACI
75mm	25mm	80kg
(3")	(1")	(176lb

LOAD	OVERALL HEIGHT			
Apacity	By Fitting			
80kg 176lbs)	Grip Ring: 107.5mm (4.23")	Threaded: 112.5mm (4.43")		

RADIUS 64.5mm AV03QRP100SW (2.54")

(INSERT FITTING CODE)

MODEL NUMBER

Grip Ring Stems: GR01, GR10 Threaded Stems:

TS02, TS06, TS07, TS15, TS34, TS37

GR01

Choose Fitting

ż	Ł	
Ø		
B		
Z.		

WHEEL	TREAD	LOAD	
DIAMETER	WIDTH	CAPACITY	
75mm	25mm	80kg	Gr
(3")	(1")	(176lbs)	10

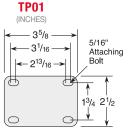
OVERALL HEIGHT BY FITTING ip Ring: Threaded: 112.5mm 07.5mm (4.23")(4.43")

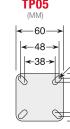
MODEL NUMBER (INSERT FITTING CODE) SWIVEL RADIUS 73mm AV03QRP100TB (2.88")

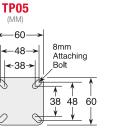
To order, add red fitting code to end of model number Example: AV03QRP100SWTS06

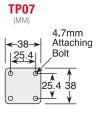
FITTING OPTIONS

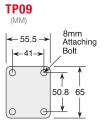
Plattenbefestigung











Grip Ring



(GR)

Threaded Stem



GR10	7/16" x 1-3/8" (11mm x 35mm)
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

7/16" x 7/8"

(11mm x 22mm)

100MM (4") TOP PLATE MODELS

WHEEL

TREAD



DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT	RADIUS
100mm	32mm	100kg	146.5mm	86mm
(4")	(1.25")	(220lbs)	(5.77")	(3.39")

LOAD

MODEL NUMBER FITTING OPTIONS (INSERT FITTING CODE) Top Plate: TP01, TP11, TP13 AV04QRP125SW (Plate size and bolt patterns below)



OTAL LOCK

WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	
100mm	32mm	100kg	146.5mm	102.5mm	
(4")	(1.25")	(220lbs)	(5.77")	(4.04")	

FITTING OPTIONS (INSERT FITTING CODE) Top Plate: TP01, TP11, TP13 AV04QRP125TL (Plate size and bolt patterns below)

Optional Extended Brake Pedal available - see page 6.

grev brake pedal



Top Plate

WHEEL DIAMETER	WIDTH	CAPACITY	OVERALL HEIGH
100mm	32mm	100kg	146.5mm
(4")	(1.25")	(220lbs)	(5.77")

102.5mm AV04QRP125DL (4.04")

MODEL NUMBER

MODEL NUMBER

(INSERT FITTING CODE)

Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

FITTING OPTIONS

FITTING OPTIONS

Optional Extended Brake Pedal available - see page 6.

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

SWIVEL

SWIVEL

RADIUS

SWIVEL

RADIUS

102.5mm

(4.04")

SWIVE

RADIUS

102.5mm

(4.04")

100MM (4") TOP PLATE MODELS

Choose Fitting



WHEEL

DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT	RADIUS
100mm	32mm	100kg	139mm	86mm
(4")	(1.25")	(220lbs)	(5.47")	(3.39")

AV04QRP125SW

MODEL NUMBER

(INSERT FITTING CODE)

MODEL NUMBER

(INSERT FITTING CODE)

AV04QRP125TL

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

Round Stems: RS01, RS02, RS03

Grip Ring Stems: GR02, GR06, GR09

Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22

Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7



DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT
100mm (4")	32mm (1.25")	100kg (220lbs)	139mm (5.47")

LOAD

*All Total Lock stem models feature red brake pedal; grey pedal available by special order.

Optional Extended Brake Pedal available – see page 6.

		all	-	in	
d	S	ä	7	ă	k
à	9	2		P	ŗ
٧	n	A	1)	
а		•	Ð		

WHEEL DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT
100mm	32mm	100kg	139mm
(4")	(1.25")	(220lbs)	(5.47")

(INSERT FITTING CODE) AV04QRP125DL

MODEL NUMBER

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

Round Stems: RS01, RS02, RS03

Grip Ring: GR09

FITTING OPTIONS

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

TREAD

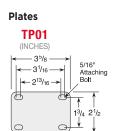
Optional Extended Brake Pedal available - see page 6.

FITTING OPTIONS

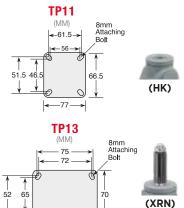
Choose

Fitting

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







Hollow Kingpin

HK01	13mm ID
HK04	11mm ID
HKU1*	13mm ID
HKU4*	11mm ID

* For unassembled casters, use HKU1 or HKU4 codes.

Expanding Adapters

See page 6 for

fitting codes and specifications.

Grip Ring

(RS)



located 19mm on center from the base of stem.

Round Stem*

	RS01	22mm x 45mm
	RS02	25.4mm x 45mm
ì	RS03	27.8mm x 45mm

Mounting hole is 8mm and located 19mm on center from the base of stem

Threaded Stem*

	TS02	1/2"-13NC x 1"
b	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
	TS21	M12 x 60mm
	TS22	1/2"-13NC x 2-11/16"

See page 6 for additional

ordering information.

Threaded stem models will be furnished with a loose cap screw with nylon retention washer for ease of assembly.

Custom fittings available by special order, minimums may apply.



125MM (5") TOP PLATE MODELS



Top Plate

8	
9	
ĺ	
7	

WHEEL

DIAMETER	WIDIH	CAPACITY		KADIUS
125mm	32mm	100kg	169.5mm	102.5mm
(5")	(1.25")	(220lbs)	(6.67")	(4.04")

OVERALL HEIGHT

LOAD

MODEL NUMBER (INSERT FITTING CODE) AV05QRP125SW

MODEL NUMBER

SWIVEL

FITTING OPTIONS Top Plate: TP01, TP11, TP13

(Plate size and bolt patterns below)



WHEEL DIAMETER LOAD **SWIVEI** TRFAN **OVERALL HEIGHT** CAPACITY RADIUS WIDTH 125mm 32mm 100kg 169.5mm 102.5mm (5")(1.25")(220lbs) (6.67")(4.04")

(INSERT FITTING CODE) AV05QRP125TL

FITTING OPTIONS Top Plate: TP01, TP11, TP13

(Plate size and bolt patterns below)

TP11 und TP13

Standard mit rotem Feststeller



125mm

(5")

METER

(5")

TREAD



OVERALL HEIGHT

162mm

(6.375")

MODEL NUMBER (INSERT FITTING CODE)

FITTING OPTIONS

TP01 Standard mit

grauem Feststeller

AV05QRP125DL (4.04")

Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

FITTING OPTIONS



Optional Extended Brake Pedal available - see page 6.

100kg

(220lbs)

LOAD

CAPACITY

100kg

32mm

(1.25")

TREAD

WIDTH

32mm

(1.25")

To order, add red fitting code to end of model number

SWIVEL

RADIUS

(4.04")

Example: AV05QRP125SWTP01

125MM (5") STEM MODELS

SWIVEL

OTAL LOCK

POTAL LOCK



B.	WHEEL DIAMETER
	125mm (5")

	(5")	(1.25")	(220lbs)	(6.375")	(4.04")
ı	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS
	125mm	32mm	100kg	162mm	102.5mm

102.5mm AV05QRP125SW

AV05QRP125TL

MODEL NUMBER

(INSERT FITTING CODE)

Grip Ring Stems: GR02, GR06, GR09 MODEL NUMBER (INSERT FITTING CODE)

Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

Round Stems: RS01, RS02, RS03

Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7

Fitting

Choose

Choose

Fitting



(220lbs)

*Auf Anfrage auch mit grauem Totalfeststeller lieferbar.
Optional mit verlängertem Feststeller verfügbar - siehe Seite 6

WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS

125mm 32mm 100kg 162mm 102.5mm AV05QRP125DI (220lbs) (4.04")(5")(1.25")(6.375")

Optional Extended Brake Pedal available - see page 6.

(INSERT FITTING CODE)

MODEL NUMBER

To order, add red fitting code to

end of model number Example: AV05QRP125SWRS01 FITTING OPTIONS

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

Round Stems: RS01, RS02, RS03

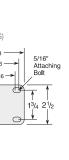
Grip Ring: GR09

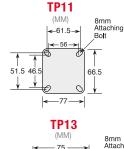
See page 6 for additional ordering information.

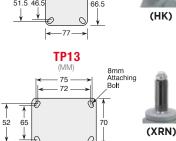
FITTING OPTIONS

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

Plates TP01 (INCHES) 3⁵/8 Attaching Bolt 31/16 - 2¹³/₁₆

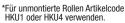






Hollow Kingpin





Expanding Adapters See page 6 for fitting codes and specifications.

(GR)

(RS)

*GR09 Gewindebohrungsmaß 8 mm, 19 mm Abstand zur Rohrauflage (M8/19)

7/8" x 2"

7/16" x 1-7/16"

.845" x 2-3/16'

Round Stem*

Grip Ring

GR02

GR06

GR09*

RS01	22mm x 45mm
RS02	25.4mm x 45mm
RS03	27.8mm x 45mm

Mounting hole is 8mm and located 19mm on center from the base of stem

Threaded Stem³

h	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
	TS21	M12 x 60mm
	TS22	1/2"-13NC x 2-11/16"

Threaded stem models will be furnished with a loose cap screw with nylon retention washer for ease of assembly.

Custom fittings available by special order, minimums may apply.



150MM (6") TOP PLATE MODELS



SWIVEL MODEL NU RADIUS (INSERT FITT	OVERALL HEIGHT	LOAD CAPACITY	TREAD WIDTH	WHEEL DIAMETER
120mm	195.5mm	100kg	32mm	150mm
(4.72") AV06QRP12	(7.7")	(220lbs)	(1. 25")	(6")

SWIVEL RADIUS

FITTING OPTIONS Top Plate: TP01, TP11, TP13 SW (Plate size and bolt patterns below)

Top Plate

FOTAL LOCK

WHEEL TREAD LOAD SWIVEL **OVERALL HEIGHT** DIAMETER WIDTH CAPACITY RADIUS 150mm 32mm 100ka 195.5mm 120mm (220lbs) (4.72")(6'')(1.25")(7.7")

MODEL NUMBER (INSERT FITTING CODE) AV06QRP125TL

MODEL NUMBER (INSERT FITTING CODE)

FITTING OPTIONS

Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

TP01 features grey brake pedal

TP11 and TP13 feature red brake pedals



WHEEL DIAMETER	WIDTH	CAPACITY	OVERALL HEIGHT
150mm	32mm	100kg	195.5mm
(6")	(1.25")	(220lbs)	(7.7")

Optional Extended Brake Pedal available - see page 6.

120mm AV06QRP125DL (4.72")

To order, add red fitting code to end of model number

Example: AV06QRP125DLTP01

FITTING OPTIONS

Top Plate: TP01, TP11, TP13 (Plate size and bolt patterns below)

Optional Extended Brake Pedal available - see page 6.

150MM (6") STEM MODELS

Choose Fitting

Choose

Fitting

1	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)
	150mm (6")	32mm (1. 25")	100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125SW
ì	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (Insert fitting code)

FITTING OPTIONS

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4 Round Stems: RS01, RS02, RS03

Grip Ring Stems: GR02,

GR06, GR09

Threaded Stems: TS02, TS03, TS04, TS05, TS06, TS07, TS21, TS22

Expanding Adapter Stems: XRN1, XRN2, XRN3, XRN4, XRR1, XRR2, XRR3, XRR4, XRR5, XRR6, XRR7

TOTAL LOCK?



7	WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HI
	150mm (6")	32mm (1.25")	100kg (220lbs)	188mn (7.4")
7	Optional Exter	nded Brake	Pedal availa	ble – see page 6.

					,
150mm (6")	32mm (1.25")	100kg (220lbs)	188mm (7.4")	120mm (4.72")	AV06QRP125TL
			ed brake pedal; grey pedal ava ole – see page 6.	ailable by spe	cial order.
WHEEL DIAMETER	TREAD WIDTH	LOAD CAPACITY	OVERALL HEIGHT	SWIVEL RADIUS	MODEL NUMBER (INSERT FITTING CODE)

WHEEL	TREAD	LOAD	OVERALL HEIGHT	SWIVEL	MODEL NUMBER
DIAMETER	WIDTH	CAPACITY		RADIUS	(INSERT FITTING CODE)
150mm	32mm	100kg	188mm	120mm	AV06QRP125DL
(6")	(1.25")	(220lbs)	(7.4")	(4.72")	

To order, add red fitting code to end of model number Example: AV06QRP125DLRS01 BEFESTIGUNGSOPTIONEN

Hollow Kingpin: HK01, HK04 unassembled: HKU1, HKU4

Round Stems: RS01, RS02, RS03

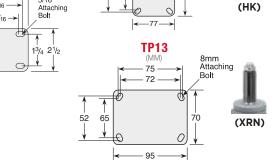
Grip Ring: GR09

See page 6 for additional ordering information.

FITTING OPTIONS

Grip Ring

Plates TP01 (INCHES) 3⁵/8 5/16" 3¹/₁₆ l← 2¹³/₁₆ -Bolt B



51 5 46

TP11 (MM)

←61.5⇒

8mm Attaching

Hollow Kingpin

HK01	13mm ID
HK04	11mm ID
HKU1*	13mm ID
HKII4*	11mm ID

*For unassembled casters, use HKU1 or HKU4 codes.

Expanding Adapters See page 6 for fitting codes and specifications.

(GR)

(RS)

GR02 GR06 GR09*

*GR09 mounting hole is 8mm and located 19mm on center from thebase of stem.

7/8" x 2"

7/16" x 1-7/16"

.845" x 2-3/16'

Round Stem*

RS01	22mm x 45mm
RS02	25.4mm x 45mm
RS03	27.8mm x 45mm

*Mounting hole is 8mm and located-19mm on center from the base

Threaded Stem*

	TS02	1/2"-13NC x 1"
ì	TS03	1/2"-13NC x 1-1/2"
1	TS04	1/2"-13NC x 2"
	TS05	7/16"-14NC x 1-3/4"
		3/8"-16NC x 1"
	TS07	M12 x 25mm
	TS21	M12 x 60mm
	TS22	1/2"-13NC x 2-11/16"

*Threaded stem models will be furnished with a loose cap screw with nylon retention washer for ease of assembly

Custom fittings available by special order, minimums may apply.

^{**}Note: Threaded stem Directional Locks available upon request.





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

Directional Lock casters are not compatible with expanding adapter stems.

Fitting	Imperial Expansion Range	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

1	ì			
-	L	į		
0	(S	:N	'n	

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
YRRS	1 63"_1 60"	11 1_12 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")





Brake Pedal

Brake Pedal

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.

Explore Avant Online



COLSON-CASTORS.DE/AVANT

for details, quote requests, and to download Datasheets

Please contact factory for details

Colson Rollen GmbH Industriestraße 8 D-42499 Hückeswagen Tel.: +49 (0) 2192 9368 0 Fax: +49 (0) 2192 9368 477



www.colson-castors.de E-Mail: info@colson-rollen.com



