

The information below only serves as a general guideline when selecting wheel types; that the value should be regarded for comparison only and not as an absolute indicator.

Wheel Series	Hub Material	Tire Material	Short-term Temp. Range	Long-term Temp. Range
PRB	PP/PA	Gray elastic rubber	-30/+80°C	-10/+60°C
SRB	Pressed steel	Gray elastic rubber	-30/+80°C	-10/+60°C
SRB/BKAS	Pressed steel	Black conductive elastic rubber	-30/+80°C	-10/+60°C
TPR	PP	Gray thermoplastic rubber	-30/+80°C	-10/+60°C
TPR/KAS	Conductive PP	Gray conductive thermoplastic rubber	-30/+80°C	-10/+60°C
TPU	PP/PA	Gray Polyurethane	-30/+80°C	-10/+60°C
TPU/KAS	Conductive PP/PA	Gray conductive Polyurethane	-30/+80°C	-10/+60°C
ARB	Al-Alloy	Gray high elastic rubber	-30/+80°C	-10/+60°C
PM	PA	PA	-30/+120°C	-20/+100°C
PP	PP	PP	-30/+80°C	-20/+80°C

Wheel series	Fats	Salt Water	Petrol & Fuel Oil	Acid/Alkali	Detergent	Wax	Ethyl Alcohol	Grease/Lubricant
PRB	+ -	++	--	--	+ -	+ -	++	--
SRB	+ -	++	--	--	+ -	+ -	++	--
SRB/BKAS	+ -	++	--	--	+ -	+ -	++	--
TPR	++	++	+ -	+ -	+ -	+ -	++	+ -
TPR/KAS	++	++	+ -	+ -	+ -	+ -	++	+ -
TPU	++	+ -	+ -	+ -	+ -	+ -	++	+ -
TPU/KAS	++	+ -	+ -	+ -	+ -	+ -	++	+ -
ARB	+ -	++	--	--	+ -	+ -	++	--
PM	++	++	++	++	++	++	+ -	++
PP	++	++	+ -	+ -	+ -	+ -	++	+ -

* Chemical resistance refers to ability to withstand chemical content in the environment, either in form of particles suspended in air or surface containment on ground. When choosing wheel for the castor, one should also consider the material used for yoke and components as well. If castor/wheel is required for special condition, please consult Catís Engineering Team at service@catís.com.tw

++ : Good + - : Fair -- : Poor

* Short-term Temp. Range : within 30 minutes
Long-term Temp. Range : within 8 hours

PRB Plastic hub, gray color elastic rubber tire



Catis Code									
W324	75	32		39.6	PA	8.3	PA	50	80A



W424	100	32		41.2	PP	8.3	steel	80	80A
W524	125	32		41.2	PP	8.3	steel	100	80A
W624	150	32		41.2	PP	8.3	steel	100	80A

* 3/8" axle hole is also available (W324A, W424A, W524A, W624A)

SRB Pressed steel hub, gray color elastic rubber tire



Catis Code									
W423	100	32		41.2	steel	8.3	steel	80	80A
W523	125	32		41.2	steel	8.3	steel	100	80A
W623	150	32		41.2	steel	8.3	steel	100	80A

* 3/8" axle hole is also available (W423A, W523A, W623A)

ARB Al-alloy hub, gray color high elastic rubber tire



Catis Code									
W529UX	125	30		41.2	AL	8.3	steel	100	65A
W629UX	150	32		41.2	AL	8.3	steel	120	65A
W640UX	150	40		56.2	AL	12.3	steel	150	65A
W840UX	200	40		56.2	AL	12.3	steel	150	65A



W450U	100	32		41.2	AL	8.3	PP	100	70A
W550U	125	32		41.2	AL	8.3	PP	120	70A
W650U	150	32		41.2	AL	8.3	PP	120	70A

 : ball bearing  : precision ball bearing

TPR Plastic hub, gray color thermoplastic rubber tire



Catis Code									
W312	75	25		32.4	PP	8.3	PP	45	70A
W412	100	25		32.4	PP	8.3	PP	60	70A
W512	125	25		32.4	PP	8.3	PP	70	70A

	W303U	75	32		41.2	PP	8.3	PP	60	70A
	W403U	100	32		41.2	PP	8.3	PP	100	70A
	W503U	125	32		41.2	PP	8.3	PP	120	70A
	W603U	150	32		41.2	PP	8.3	PP	120	70A
	W803U	200	32		41.2	PP	8.3	PP	120	70A



W403UX	100	32		41.2	PP	8.3	steel	100	70A
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* Steel thread guard is available (W303UX, W403UX, W503UX, W603UX)



W502U	125	30		41.2	PP	8.3	PP	100	70A
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* Round profile is available (W402U, W502U)

 : precision ball bearing

TPU Plastic hub, gray color polyurethane tire



Catis Code	mm	mm		mm		mm		kg	Shore
W315U	75	25		32.4	PP	8.3	PP	45	85A
W415U	100	25		32.4	PP	8.3	PP	60	85A



W305U	75	30		41.2	PP	8.3	PP	60	85A
W405U	100	30		41.2	PP	8.3	PP	100	85A
W505U	125	30		41.2	PP	8.3	PP	120	85A
W605U	150	32		41.2	PP	8.3	PP	120	85A
W805U	200	32		41.2	PP	8.3	PP	120	85A

* Hardness 95A TPU tire is also available
(W315UL, W415UL, W305UL, W405UL, W505UL, W605UL, W805UL)



W405UX	100	30		41.2	PP	8.3	steel	100	85A
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* Steel thread guard is available (W305UX.W405UX.W505UX.W605UX)



W501U	125	30		41.2	PP	8.3	PP	100	85A
W635UX	150	40		56.2	PP	8.3	steel	150	95A

* Round profile is available

: precision ball bearing

PM Solid nylon wheel



Catis Code	mm	mm		mm		mm		kg	Shore
W309RX	75	32		41.2	--	8.3	steel	60	60D
W409RX	100	32		41.2	--	8.3	steel	100	60D
W509RX	125	32		41.2	--	8.3	steel	120	60D
W309CX	75	32		41.2	--	8.3	steel	60	60D
W409CX	100	32		41.2	--	8.3	steel	100	60D
W509CX	125	32		41.2	--	8.3	steel	120	60D

PP Solid polypropylene wheel



Catis Code	mm	mm		mm		mm		kg	Shore
W310RX	75	32		41.2	--	8.3	steel	60	60D
W410RX	100	32		41.2	--	8.3	steel	100	60D
W510RX	125	32		41.2	--	8.3	steel	120	60D
W310CX	75	32		41.2	--	8.3	steel	60	60D
W410CX	100	32		41.2	--	8.3	steel	100	60D
W510CX	125	32		41.2	--	8.3	steel	120	60D

: roller bearing : plain bore bearing

PRB-SS Plastic hub, gray color elastic rubber tire



Catis Code	mm	mm	mm	mm	mm	mm	kg	Shore
W324S	75	32		39.6	PA	8.3	PA	50 80A



W424DS	100	32		41.2	PP	8.3	S/S	80 80A
W524DS	125	32		41.2	PP	8.3	S/S	100 80A
W624DS	150	32		41.2	PP	8.3	S/S	100 80A

W424CS	100	32		41.2	PP	8.3	S/S	80 80A
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* 3/8" axle hole is also available (W424ADS.W524ADS.W624ADS)

TPR-SS Plastic hub, gray color thermoplastic rubber tire



Catis Code	mm	mm	mm	mm	mm	mm	kg	Shore
W303US	75	32		41.2	PP	8.3	PP	60 70A
W403US	100	32		41.2	PP	8.3	PP	100 70A
W503US	125	32		41.2	PP	8.3	PP	120 70A
W603US	150	32		41.2	PP	8.3	PP	120 70A
W803US	200	32		41.2	PP	8.3	PP	120 70A



W403CXS	100	32		41.2	PP	8.3	S/S	80 70A
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: stainless steel ball bearing : Derlin plain bearing with stainless steel bushing : stainless steel precision ball bearing

TPU-SS Plastic hub, gray color polyurethane tire



Catis Code	mm	mm	mm	mm	mm	mm	kg	Shore
W300S	75	32		39.6	PA	8.3	PA	50 95A



W305US	75	30		41.2	PP	8.3	PP	60 85A
W405US	100	30		41.2	PP	8.3	PP	100 85A
W505US	125	30		41.2	PP	8.3	PP	120 85A
W605US	150	32		41.2	PP	8.3	PP	120 85A



W405CXS	100	30		41.2	PP	8.3	S/S	80 85A
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: stainless steel ball bearing : Derlin plain bearing with stainless steel bushing : stainless steel precision ball bearing

PMSS Solid nylon wheel



Catis Code	 mm	 mm		 mm	 mm		 kg	 Shore
W309RXS	75	32		41.2	8.3	S/S	60	60D
W409RXS	100	32		41.2	8.3	S/S	100	60D
W509RXS	125	32		41.2	8.3	S/S	120	60D
W309CXS	75	32		41.2	8.3	S/S	60	60D
W409CXS	100	32		41.2	8.3	S/S	100	60D
W509CXS	125	32		41.2	8.3	S/S	120	60D

SRB/BAKS Steel hub, black color conductive rubber tire



								
Catis Code	mm	mm		mm		mm		
W423-BKAS	100	32		41.2	steel	8.3	steel	80
W523-BKAS	125	32		41.2	steel	8.3	steel	100
W623-BKAS	150	32		41.2	steel	8.3	steel	100

* 3/8" axle hole is also available (W423A-BKAS, W523A-BKAS, W623A-BKAS)

PPSS Solid polypropylene wheel



Catis Code	 mm	 mm		 mm	 mm		 kg	 Shore
W310RXS	75	32		41.2	8.3	S/S	60	60D
W410RXS	100	32		41.2	8.3	S/S	100	60D
W510RXS	125	32		41.2	8.3	S/S	120	60D
W310CXS	75	32		41.2	8.3	S/S	60	60D
W410CXS	100	32		41.2	8.3	S/S	100	60D
W510CXS	125	32		41.2	8.3	S/S	120	60D

 : stainless steel roller bearing  : stainless steel plain bore bearing

TPR/AS Anti-static plastic hub, gray color conductive thermoplastic rubber tire



Catis Code	 mm	 mm		 mm	 mm		 kg	 Shore	
W303UK-AS	75	32		41.2	PP	8.3	PP	60	85A
W403UK-AS	100	32		41.2	PP	8.3	PP	100	85A
W503UK-AS	125	32		41.2	PP	8.3	PP	120	85A
W603UK-AS	150	32		41.2	PP	8.3	PP	120	85A
W803UK-AS	200	32		41.2	PP	8.3	PP	120	85A

TPU/AS Anti-static plastic hub, gray color conductive polyurethane tire



Catis Code	 mm	 mm		 mm	 mm		 kg	 Shore	
W305UK-AS	75	30		41.2	PP	8.3	PP	60	95A
W405UK-AS	100	30		41.2	PP	8.3	PP	100	95A
W505UK-AS	125	30		41.2	PP	8.3	PP	120	95A
W605UK-AS	150	32		41.2	PP	8.3	PP	120	95A
W805UK-AS	200	32		41.2	PP	8.3	PP	120	95A

 : ball bearing  : precision ball bearing