

MBL line Rear wheels 12"-26"



mbL

Rear wheels

12"-26"

Standard wheels	4
Wheels with drumbrake	9
One-arm drive wheelset and telescopic shafts	13
Transfer wheels	20

Testing

All rear wheels are tested in accordance with ISO 7176 standards.

All tests of wheels are done in our own test rooms on machines developed in MBL.

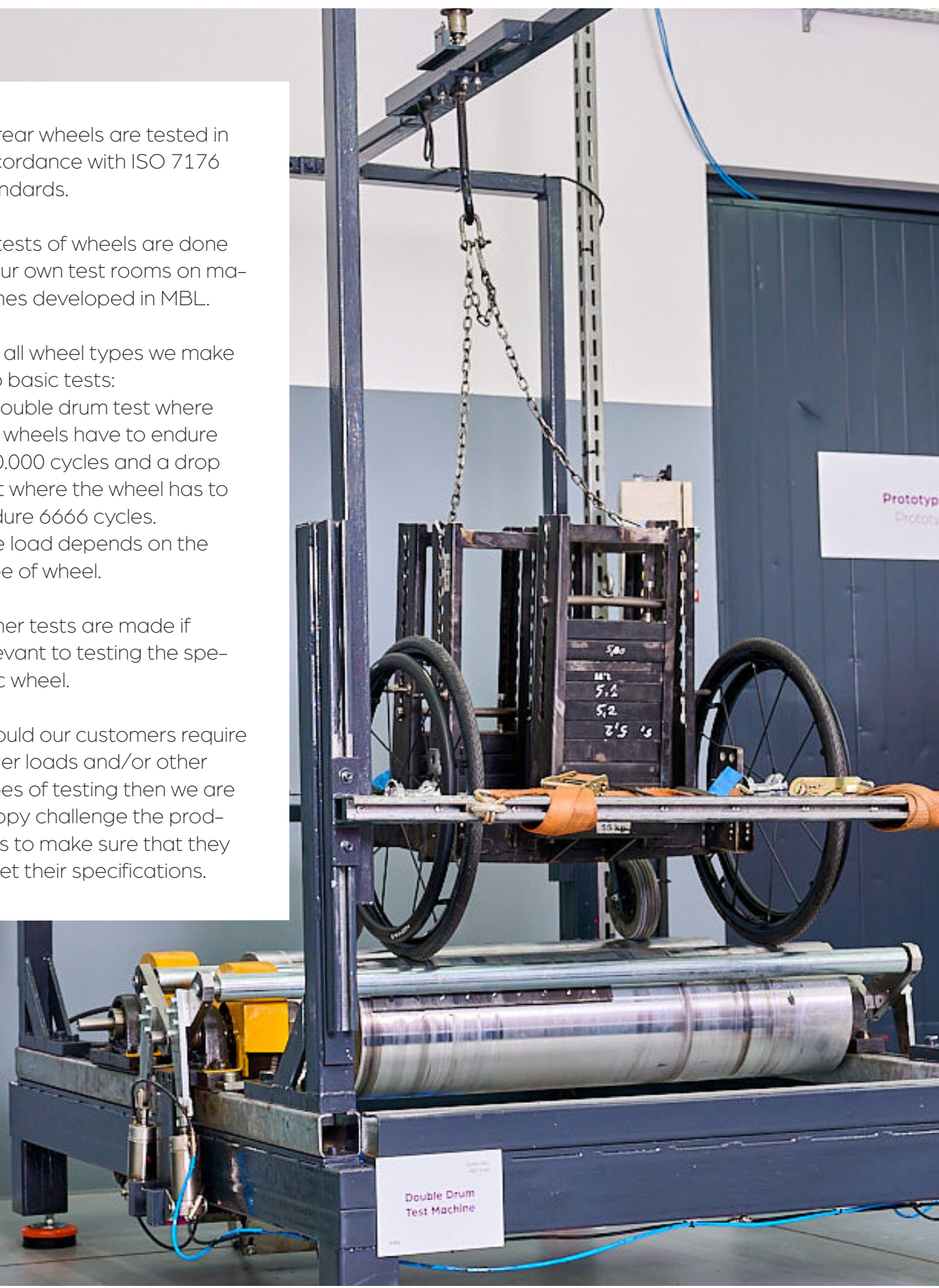
For all wheel types we make two basic tests:

A double drum test where the wheels have to endure 200.000 cycles and a drop test where the wheel has to endure 6666 cycles.

The load depends on the type of wheel.

Other tests are made if relevant to testing the specific wheel.

Should our customers require other loads and/or other types of testing then we are happy challenge the products to make sure that they meet their specifications.

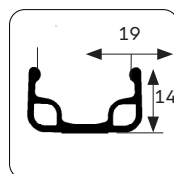


Standard wheels

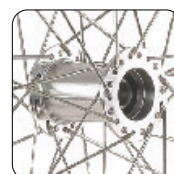
Economy Extra 20" – 26"



INNOVA
IA 2205
37mm



Rim type
SW1
Silver or black
aluminium






Hub type F2 alu
hub 48/59mm.
36 stainless
steel spokes.
3 crosses



Pushrim
fitting with 4
or 6 rivnuts

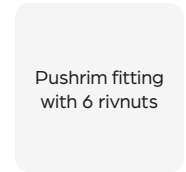
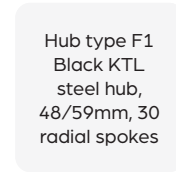
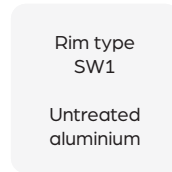
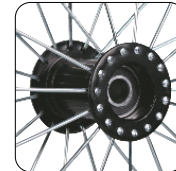
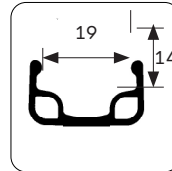
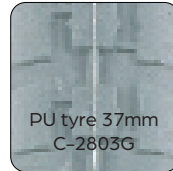
Raw wheels in black or silver

SIZE	Colour alu. rim/alu. hub	 fittings	 g	 kg	Part no. ø12 mm
22"/Ø489	Silver/Silver	6	700	75	242201
22"/Ø489	Black/Black	6	700	75	242204
24"/Ø540	Silver/Silver	6	760	75	242401
24"/Ø540	Black/Black	6	760	75	242404
26"/Ø590	Silver/Silver	6	825	75	242601
26"/Ø590	Black/Black	6	825	75	242604


QR axles

Lenght mm	Release button	Part no. ø12 mm
98	Silver aluminium	618202

Budget 24"



Complete wheels - incl. tyre and pushrim

SIZE	Pushrim	 kg	Part no. pneumatic ø12mm	Part no. grey PU tyre ø12 mm
24"/Ø540	Silver anodized aluminum	75	264AC5	284AC5

Upgrade any wheel to 100% black!



omobility by mbl



See our wide selection of wheels for active wheelchairs in the omobic catalogue

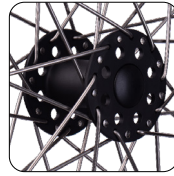
- › Off-road
- › Lightweight
- › Disc-brake



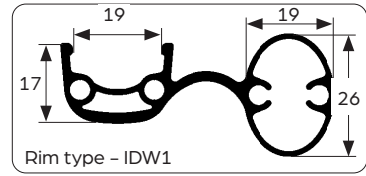
Buffalo Extreme for bariatric users w/ integrated pushrim 24"/Ø507



INNOVA Tyre
IA 2205
37 mm and
Flexel insert



Black High flange
hub type F5,
53/64 mm,
with 2,6 mm
spokes and
3 crosses



Integrated rim and
pushrim in cast aluminium

Black

Complete wheels incl. 47mm tyre and Flexel insert

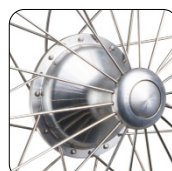
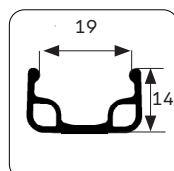
SIZE	Tyre	 g	Part no. ø12mm	Part no. ø1/2"
24"/Ø507	INNOVA 24"x1 3/8", 37-540, grey IA 2205	-	274B81	274B82

QR axles

Lenght mm	Release button	Part no. d12 mm	Part no. d1/2"
103	Black aluminium	618253	-
104	Black aluminium	-	618353

Wheels with drumbrake

Octopus Drumbrake 20" – 26"




Rim type
SW1

Silver coloured
aluminium

Octopus DB
hub (type DO1),
Off-set 10 mm,
2 crosses/radi-
al spoking, 36
spokes

Pushrim fitting
with 6 rivnuts

Raw wheels 22"-26" excl. tyre, pushrim and brake plate

SIZE	SD mm	 kg	Part no. Ø12 mm	Part no. Ø1/2"
22"/489 mm	472	75	232G98	232G99
24"/540 mm	523	75	234G98	234G99
26"/590 mm	542	75	236G98	236G99

Complete brake-plate set, incl. Ø12 mm QR axle and push-button

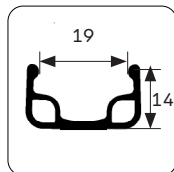
Bushing dimension for fitting	QR Axle dimension	Color of pushbutton	Part no. Side A	Part no. Side B
M16 x 1 x 32 mm	Ø12 x 104	Untreated aluminium	693901	693902

Drumbrake Economy Extra

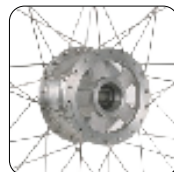
20" – 26"



INNOVA
IA2205
37 mm



Rim type
SW1
Black or silver
aluminium





Hub type DF1
in black or silver
aluminium
36 stainless
steel spokes, 2
crosses



Pushrim fitting
with 4 or 6
rivnuts

Raw wheels 20"-26" in black or silver – excl. tyre, pushrim and brake plate

SIZE	Colour Rim/hub	Pushrim Fittings	 g	 kg	Part no. ø12 mm
22"/489	Silver/Silver	6	-	75	232AKA
22"/489	Black/Black	6	-	75	232BKA
24"/540	Silver/Silver	6	-	75	234AKA
24"/540	Black/Black	6	-	75	234BKA
25"/590	Silver/Silver	6	-	75	236AKA
26"/590	Silver/Silver	6	-	75	236BKA

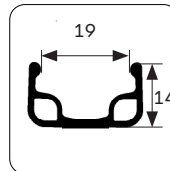


**Drum
Brake
hubs
in the
making.**



Drumbrake Economy

22"-24"



Rim type
SW1
Silver coloured
aluminium

Black Steel drum
brake hub DF2,
46/63mm; 36
galvanized steel
spokes,
2 and 3 crosses

Pushrim fitting
with 6 rivnuts

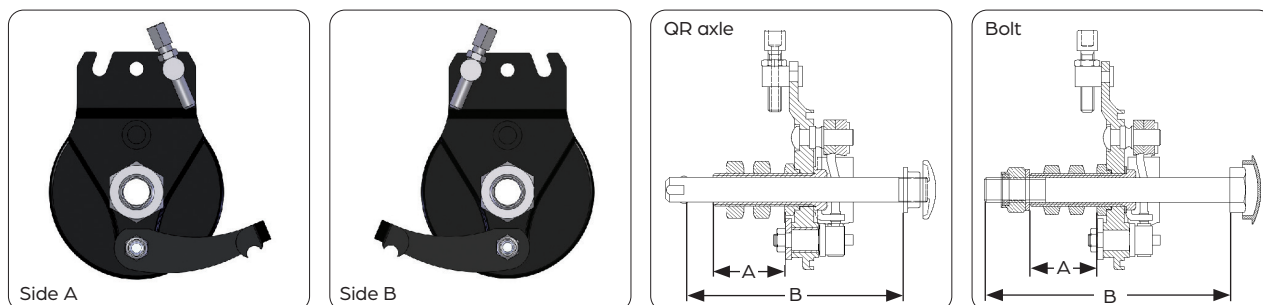
Complete wheels - incl. pushrim, tyre/tube or PU - excl. brake plate

SIZE	Pushrim	Tyre Size	Part no. pneumatic ø 12 mm	Part no. PU tyre ø12 mm
22"/Ø489	Silver anodized aluminium	37-489	262BKA-S	282BKA-S
24"/Ø540	Silver anodized aluminium	37-540	264BKA-S	284BKA-S

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Brake plated for drumbrake hubs aluminium or steel



- » All brake plates are supplied with stainless steel bushing, brake adjuster and pinch bolt.

Complete brake plate sets for ALUMINIUM HUBS incl. Ø12 mm QR axle and push-button

For hub type	Bushing dim. for fitting (A)	QR axle dim. (B)	Colour of push button	Part no. side A	Part no. side B
DF1	M16x1x42 mm	Ø12 x 108 mm	Untreated alu.	693123	693124
DF1	M18x1x42 mm	Ø12 x 108 mm	Untreated alu.	693131	693132

One-arm drive wheelset and telescopic shafts

One-arm drive system with replaceable pushrim 20", 22", 24", 26"

Features

- » The universal fitting adjustment adapts to various wheelchair frames
- » The universal shafts adapts to any cambered wheelchair
- » The seat width adjustment can be obtained by changing the shaft.
- » Wheels and shaft can be detached to facilitate transportation and cleaning.
- » Pushrims can be replaced
- » Telescopic shaft is not included in the wheel set
- » 2 x bearing housings are included in the wheel set.
- » The wheelset includes brake plate and fixed axle with hexagonal cone





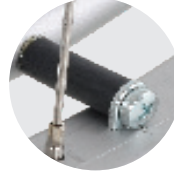
Black rim
(SW1)



Inner pushrim
black anodized
aluminium.
Outer pushrim
silver anodized
aluminium.



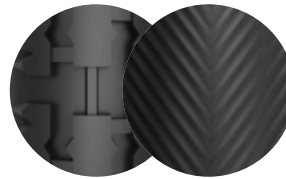
Black 53/64 steel
hub, 36 galvanized
spokes, 3 crosses




Pushrim fitting with
6 rivnuts

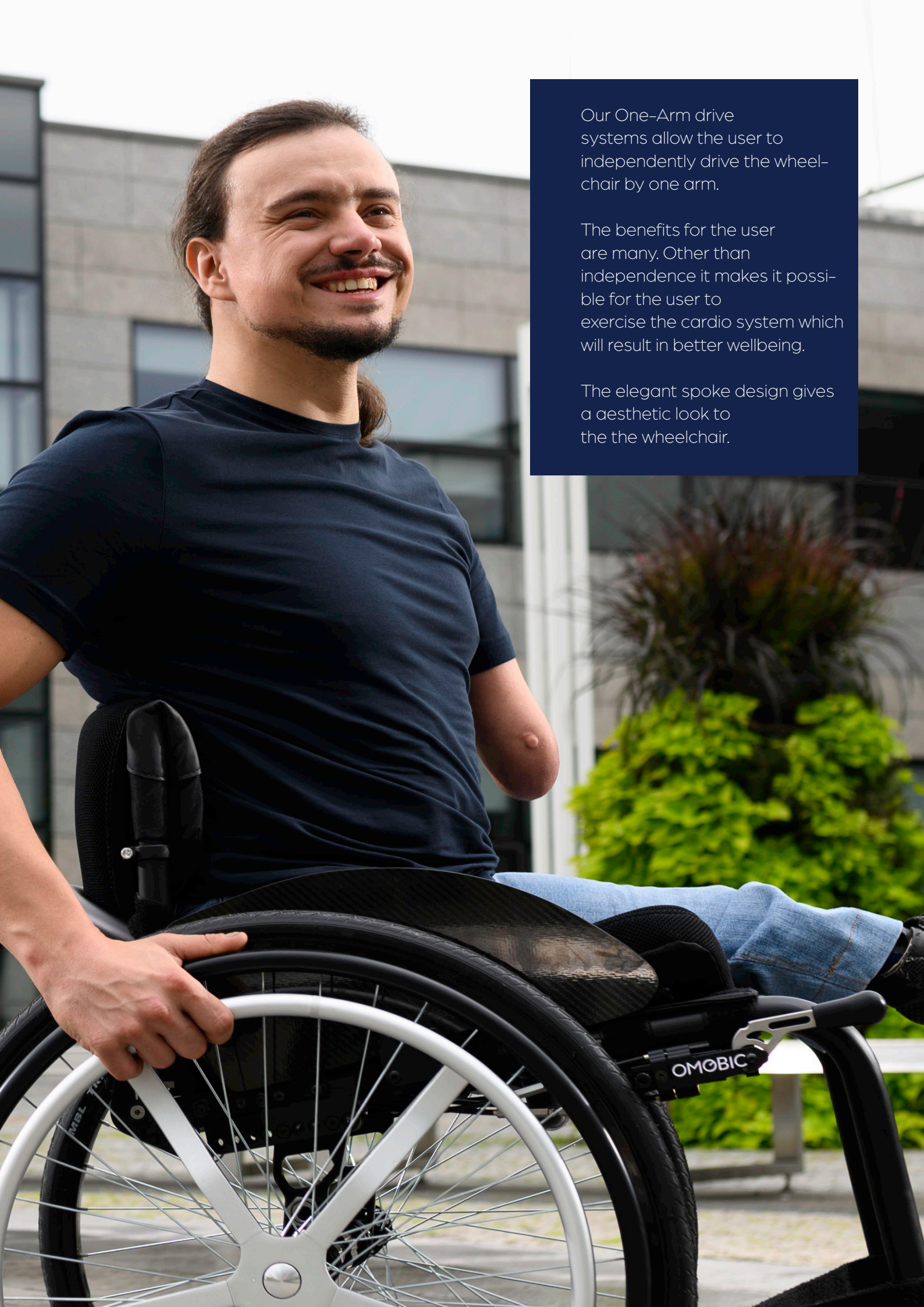


Max load for
the system
150 kg



PU tyre or Omobic
SpeedLite Tyre
and tube 24" x 1
25mm

Wheel size	 PN/PU g	Part no. w. tyre/tube ø 1/2"	Part no. w. PU tyre ø 1/2"
20	-	260AAL	280AAL
22	-	262ABT	282ABT
24"/540	4350/-	264ADS	284ADS
26	-	266AAF	286AAF



Our One-Arm drive systems allow the user to independently drive the wheelchair by one arm.

The benefits for the user are many. Other than independence it makes it possible for the user to exercise the cardio system which will result in better wellbeing.

The elegant spoke design gives a aesthetic look to the the wheelchair.

One-arm drive system for bereatric users up to 220 kg with replacable pushrim 24"

Features

- » The universal fitting adjustment adapts to various wheelchair frames
- » The universal shafts adapts to any cambered wheelchair
- » The seat width adjustment can be obtained by changing the shaft.
- » Wheels and shaft can be detached to facilitate transportation and cleaning.
- » Pushrims can be replaced
- » Telescopic shaft is not included in the wheel set
- » 2 x bearing housings are included in the wheel set.
- » The wheelset includes brake plate and fixed axle with hexagonal cone



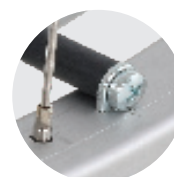
Black rim (SW1)



Inner pushrim black anodized aluminium.
Outer pushrim silver anodized aluminium.



Hub 53/64, 36 galvanized spokes, 3 crosses



Pushrim fitting with 6 rivnuts



Max load for the system
220 kg



Pneumatic tyre with PU insert

Wheel size	PN/PU g	Part no. w. Tyre/PU insert
24"/540	4350/-	284ADZ

Telescopic shafts for one-arm drive systems

Features

- » Adjustability for elimination of torsional slack.
- » All mechanical joints and sockets come in high grade hardened steel.
- » Can replace other existing telescopic shafts.
- » Usable for one hand drive wheelsets with QR axle and wheels with fixed axle
- » Very user friendly – also for one-hand use.

Elimination of torsional slack

The telescopic shafts consist of two aluminum tube profiles. Each profile has a certain tolerance and as a result there is a small space between them, which leads to some slack.

To reduce the slack we use an adjusting sleeve. The more the sleeve is tightened, the less slack there will be. When the sleeve is completely locked, there is almost no relative movement and the wheelchair is easy to manoeuvre.

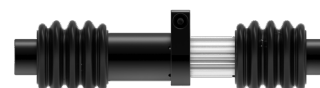
Type A: universal shaft in aluminium – for cambering



- » Universal joint for cambering of wheels until 15 degrees.
- » Light construction with main parts produced in aluminium
- » Sensitive mechanical parts are protected by rubber bellows.

Length range (mm)	270–330	295–370	350–460	420–530	485–595
Part no.	68110G	68110H	68110J	68110K	68110Q
Weight g	675	695	762	814	860

Length range (mm)	170–195	180–210	195–235	220–280
Part no.	68110P	68110R	68110S	68110T
Weight g	471	484	503	538



Type B: universal shaft in aluminium – not for cambering

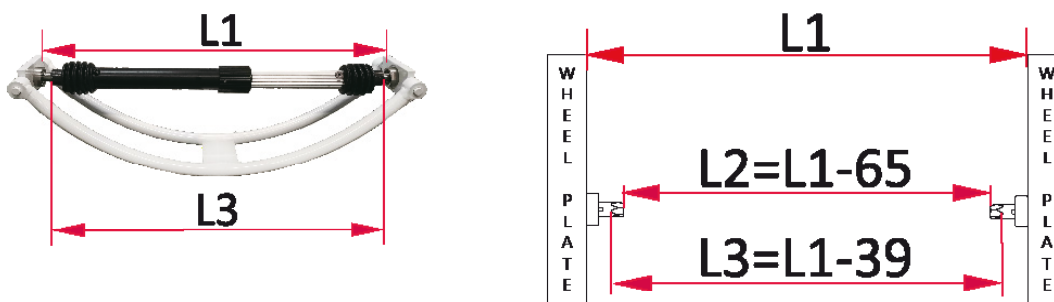


- » Light construction with main parts produced in aluminium
- » Completely black or silver/black

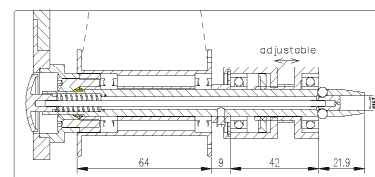
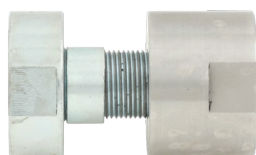
Length range (mm)	177–255	225–295	260–370	330–440	421–491	460–530	530–640
Part no. Silver/Black	68110U	68110L	68110M	68110O	68110C	68110W	68110V
Part no. Black	–	68110LB	68110MB	68110OB	68110CB	–	–
Weight g	416	470	522	561	622	660	703

Find the right length

1. Measure the length L1 which is the inside distance between the rear wheel fitting plates of the wheelchair.
2. Make sure that L2 is larger than the shaft minimal length.
3. Make sure L3 is smaller than the maximal shaft length (L3 is the shaft length after it is fitted onto the chair).
4. If you after the above three steps find that there is more than one choice of shaft that meet your requirements, we suggest you choose the longest one.



QR axles and bearings for one-arm drive systems



- » 1/2" QR axle with hexagonal cone.
- » Bearing housing with 1/2" bearings. Item no. 69909A.
- » Flexible fitting solution which fit on to side plate thicknesses between 8-16mm.
- » Supplied with adapter ring for $\varnothing 18\text{mm}$ hole.
- » 2 x bearing housings are included in the wheel set.
- » Cross section of hub and bearing housing.

customized by mbl








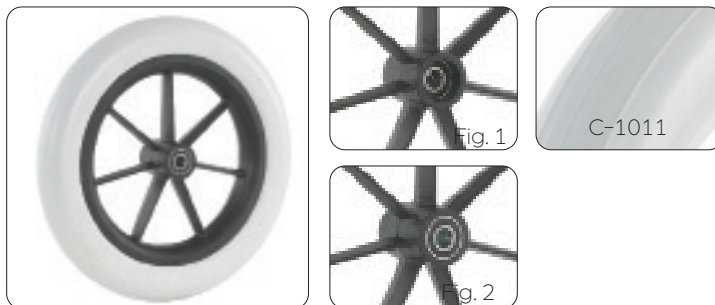
Transfer wheels 12"-16"



- » Fixed bolt or QR axle is available on request for fig.1
- » Please see product group 4 for other types of tyres






12½" x 2¼" wheel with two options for grey pneumatic tyre with tube or Flexel

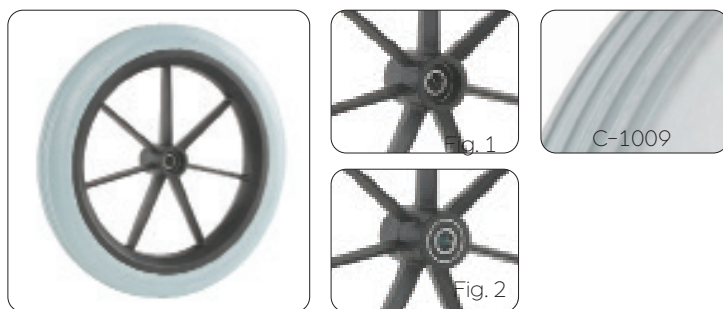
Tyre pattern	Figure	Description	 mm	 mm	 mm	 mm	 kg	Part no. pneumatic	Part no. Flexel®
IA 2601	1	Complete wheel with. off set hub	Ø305	37/48	ø12	47	50	161202	171202
IA 2601	2	Complete wheel with symmetric hub	Ø305	55	ø12	47	50	161204	171204
IA 2603	1	Complete wheel with. off set hub	Ø310	37/48	ø12	45	50	161206	171206
IA 2603	2	Complete wheel with symmetric hub	Ø310	55	ø12	45	50	161208	171208



- » Wheel with off-set hub is available with fixed bolt or QR axle. Please state on order.
- » Black tyres available on request

12" wheel with grey or black polyurethane tyre

Figure	Description	 mm	 mm	 mm	 mm	 kg	Part no. Grey	Part no. Black
1	Complete wheel with off-set hub	Ø300	37/48	ø12	45	50	151202	151202B



- » Wheel with off-set hub is available with fixed bolt or QR axle. Please state on order.
- » Black tyres available on request

12" lighthweight wheel with grey or black polyurethane tyre

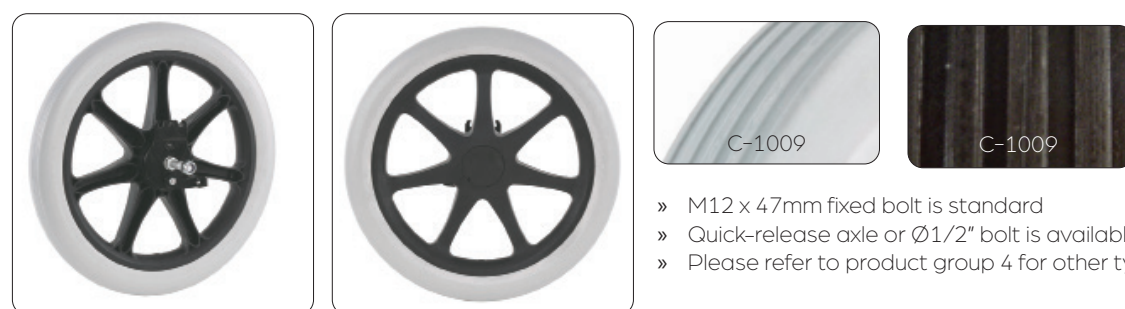
Figure	Description	mm	mm	mm	mm	kg	Part no. Grey	Part no. Black
1	Complete wheel with off-set hub excl. bolt	Ø315	37/48	Ø12	39	50	151233	On request



- » Quick-release axle or Ø1/2" bolt is available on request
- » M12 x 47mm fixed bolt is standard
- » Pneumatic version on request

12" drum brake wheel with drumbrak, M12 fixed bolt and grey or black low polyurethane tyre

Description	mm	mm	mm	kg	g	Part no. Side A	Part no. Side B
Complete wheels incl. black PU tyre C-1009	Ø315	39	M12	-	75	151267	151268



- » M12 x 47mm fixed bolt is standard
- » Quick-release axle or Ø1/2" bolt is available on request
- » Please refer to product group 4 for other types of tyres

16" drum brake wheel with M12 fixed bolt and grey or black polyurethane tyres.

Description	mm	mm	mm	kg	Part no. Side A	Part no. Side B
Complete wheels incl. grey PU tyre C-1009	405	44	M12	75	151653	151654
Complete wheels incl. black PU tyre C-1009	405	44	M12	75	151632	151634

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Front wheels 4"-8"



Tyres, PU tyres, tubes , infills & tyres
w insert for manual wheelchairs 6"-26"



Pushrims & pushrim covers



Front forks & bearing housings



QR axles and bushings



Hand brakes, brake handles & release handles



Other wheelchair components & accessories



Foam parts, supports & textiles



Tyres, tubes and tyres with infills
for power wheelchairs



MBL Denmark

MBL a/s

Glarmestervej 18 B, St. Th.

8600 Silkeborg

CVR: 12825242

contact@mbl.dk

MBL Poland

MBL Poland Sp. z o.o.

Sulejowska 45d

97-300 Piotrkow Trybunalski

VAT No: 7710008003

Tel: +48 44 73 24 100

contact@mbl.pl

MBL China

MBL (Xiamen) Co. Ltd.

No.289 Wengjiao Road Xinyang

Industrial District Haicang

361022 Xiamen

Tel: +86 592 5961 896

contact@mbl.com.cn

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