ottobock.

The new Start product range presents itself

Lighter, more functional, more versatile



Information for technicians













The new generation of our proven Start series presents itself

The demands users make on their technical devices are as complex as their individual needs and everyday habits. Taking this into account is the goal of the new generation of our proven Start wheelchairs with numerous updates. Expert feedback and patient experience inspired us to make targeted adaptations that offer a wide range of users exactly the support they need. You can take a detailed look at our special optimisations on the following pages.

Start product range



Fig. shows model Start M2

Start M2

The Start M2 is a fully configurable, high-quality wheelchair model for which all of the options of the Start range are available. This model offers the maximum number of combination possibilities with regard to dimensions, colours and adjustments which makes it possible to provide even large and very large users with an optimal device. Drum brakes are also available options, as are elevating footrests or amputation legrests. The Start M2 also has an adaptive component.
The rear wheel adapter allows you to adjust the wheelchair precisely to the user's needs.

In doing so, you can select from a large range of centres of gravity, from active to passive, and have the option of setting various seat angles. Furthermore, we offer two different frame sizes in this segment for the first time.

There are many options available with the new Start M2 for the fitting of stroke patients with hemiplegia and cerebral palsy patients. The Start M2 is just the right choice for custom fittings in the lightweight segment.







Start M2S
In order to ensure the rapid availability of our top model Start M2, there are many stock versions, which we refer to as M2S. The “S” stands in this case for “stock”. For you this means that these models are available quickly thanks to the optimum logistics chain and can thus be used quickly by patients.







Fig. shows model Start M2

Start M1

The Start M1 is the entry-level model in the lightweight segment. The frame is made from aluminium. It stands out thanks to its low weight and also offers a load capacity of 125 kg. We paid particular attention to ease of maintenance when developing this product. This makes this product especially suitable for re-use. A wide range of variants enables you to find just the right product for you. These range from the base product up to a fully equipped version including the anti-tipper, crutch holder, adjustable-height side panel, seat cushion, lap belt and our new adjustable back upholstery.



Start product range

Start B2
The Start B2 standard wheelchair is the entry-level model in the Start range. By using aluminium components for the footrests and side panels, the B2 stands out in this segment thanks to its light weight.

Antibacterial effect of the push handles



All models of the Start series are equipped with antibacterial push handles. The antibacterial effect of the push handles has been verified by ACTEGA DS GmbH. In this process it was possible to demonstrate under laboratory conditions that the push handles, which are produced from the material ProvaMed®, are germ-resistant and thus have an antibacterial effect. The antibacterial effect represents an important property especially in institutional domains for preventing transfer of bacteria.





Start B2





Product highlights

- Very low weight with full Ottobock quality (from 16.8 kg total weight, from 10.7 kg transport weight*)
- Antibacterial push handles**
- Component compatibility of footrest and side panel
- Large selection of seat widths
- Angle-adjustable footrests
- Short delivery times for stock versions (quick availability)
- Tool-free lower leg length adjustment

Product features

- Aluminium footrest and side panel, steel frame
- Frame colour: silver metallic/black
- Tip-assist integrated into the frame
- Seat and back upholstery: black nylon
- Back with lumbar curve
- Side panel with armrest, height can be adjusted (without tools) or set (with tools), adjustable depths, elevating
- 8" caster wheels (200 x 50 mm) with PU tyres
- Knee lever wheel lock
- 24" rear wheels with PU tyres or 12" rear wheels
- Individual footrests, angle-adjustable, plastic foot plate
- Swing-away footrest holders
- Drum brake for user and attendant

* The transport weight is the total weight of the wheelchair minus the weight of the rear wheels, footrests and seat cushion.

** The antibacterial effect of the push handles has been verified by an independent institute.

Equipment	Version 1	Version 2	Version 3	Version 4	Version 5	Version 6
Rear wheels	24" standard	24" with drum brake	24" standard	24" with drum brake	12" standard	24" standard
Caster wheels	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)
Push rings	Aluminium, light anodised	Aluminium, light anodised	Aluminium, light anodised	Aluminium, light anodised	–	Plastic
Side panel with armrest	Height-adjustable (with tools)	Height-adjustable (with tools)	Height-adjustable (without tools)	Height-adjustable (without tools)	Height-adjustable (with tools)	Height-adjustable (with tools)
Frame colour	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Black	Black
Back	With lumbar curve	With lumbar curve	With lumbar curve	With lumbar curve	Folding	Folding
Upholstery	Standard	Standard	Standard	Standard	Standard	Standard
Anti-tipper	–	–	Left	Left	–	–
Crutch holder	–	–	Right	Right	–	–
Lap belt	–	–	Included	Included	–	–
Seat cushion	–	–	Included	Included	–	–

Technical data	
User weight	100 kg
Wheelchair weight	See weight table, page 27
Seat width	5 seat widths: 380 / 405 / 430 / 455 / 480 mm
Seat depth	420 mm
Back height	430 mm
Anterior seat height	470 mm
Posterior seat height	440 mm
Seat angle	4°
Lower leg length	360 – 460 mm (adjustable without tools in 20 mm increments)

Start M1





Product highlights

- Very low weight with full Ottobock quality (from 14.6 kg total weight, from 9.5 kg transport weight*)
- Antibacterial push handles**
- Seat depth adjustment 20 mm
- Excellent component compatibility
- New adjustable Economy back upholstery
- Short delivery times for stock versions (quick availability)
- Tool-free lower leg length adjustment

Product features

- Aluminium frame
- Seat depth adjustment 20 mm
- Frame colour: silver metallic
- Tip-assist integrated into the frame
- Seat and back upholstery: black nylon
- Back with lumbar curve
- Side panel with armrest, height can be adjusted (without tools) or set (with tools), adjustable depths, elevating
- 8" caster wheels (200 x 50 mm) with PU tyres or 6" PVC
- Knee lever wheel lock
- 24" rear wheels with PU tyres or 12" rear wheels
- Individual footrests, angle-adjustable, plastic foot plate
- Swing-away footrest holders
- Drum brake for user and attendant

* The transport weight is the total weight of the wheelchair minus the weight of the rear wheels, footrests and seat cushion.

** The antibacterial effect of the push handles has been verified by an independent institute.

Equipment	Version 1	Version 2	Version 3	Version 4	Version 5	Version 6	Version 7
Rear wheels	24" standard	24" standard	24"drum brake	24" standard	24"drum brake	12" standard	24" standard
Caster wheels	6" PVC	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	6" PVC	6" PVC
Side panel with armrest	Height-adjustable (with tools)	Height-adjustable (with tools)	Height-adjustable (with tools)	Height-adjustable (without tools)	Height-adjustable (without tools)	Height-adjustable (with tools)	Height-adjustable (with tools)
Frame colour	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic
Back	With lumbar curve	With lumbar curve	With lumbar curve	With lumbar curve	With lumbar curve	Folding	Folding
Back upholstery	Standard	Standard	Standard	Adjustable Economy	Adjustable Economy	Standard	Standard
Push handles	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Seat upholstery	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Anti-tipper	–	–	–	Included	Included	–	–
Crutch holder	–	–	–	Right	Right	–	–
Lap belt	–	–	–	Included	Included	–	–
Seat cushion	–	–	–	Included	Included	–	–

Technical data	
User weight	125 kg
Wheelchair weight	See weight table, page 27
Seat width	6 seat widths: 380 / 405 / 430 / 455 / 480 / 505 mm
Seat depth	420 mm (adjustable to 400 mm)
Back height	420 mm (adjustable to 400 mm)
Anterior seat height	460 – 510 mm
Posterior seat height	450 – 500 mm
Seat angle	2°
Lower leg length	280 – 500 mm (adjustable without tools in 20 mm increments)

Start M2S





Product highlights

- Stock version of the fully configurable Start M2
- Patented, tool-free, quick seat depth adjustment (50 mm)
- Very low weight with full Ottobock quality (from 14.7 kg total weight, from 9.6 kg transport weight*)
- Antibacterial push handles**
- Excellent component compatibility
- New adjustable Economy back upholstery
- Short delivery times for stock versions (quick availability)

Product features

- Aluminium frame
- Frame colour: silver metallic
- Tip-assist integrated into the frame
- Seat and back upholstery: black nylon
- Side panel with armrest, height can be adjusted (without tools) or set (with tools), adjustable depths, elevating
- 8" caster wheels (200 x 50 mm) with PU tyres or 6" PU
- Adjustable caster head
- Knee lever wheel lock
- 24" rear wheels with PU tyres or 12" rear wheels
- Individual footrests, angle-adjustable, plastic foot plate
- Swing-away footrest holders
- Drum brake for user and attendant

* The transport weight is the total weight of the wheelchair minus the weight of the rear wheels, footrests and seat cushion.

** The antibacterial effect of the push handles has been verified by an independent institute.

Equipment	Version 1*	Version 2*	Version 3	Version 4	Version 5	Version 6	Version 7	Version 8
Rear wheels	24" standard	24"drum brake	24" standard	24" standard	12" standard	24" standard	24" standard	24" standard
Caster wheels	8" PU (200 x 50 mm)	8" PU (200 x 50 mm)	6" PU	6" PU	6" PU	6" PU	6" PU	8" PU (200 x 50 mm)
Side panel with armrest	Height-adjustable (with tools) Armrest 365 mm	Height-adjustable (with tools) Armrest 365 mm	Height-adjustable (with tools)	Height-adjustable (with tools)	Height-adjustable (with tools)	Height-adjustable (without tools)	Height-adjustable (with tools)	Height-adjustable (with tools)
Frame colour	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic	Silver metallic
Back	Straight	Straight	30° back angle adjustment	Folding	Folding	With lumbar curve	Straight	With lumbar curve
Back upholstery	Adjustable Economy	Adjustable Economy	Standard	Standard	Standard	Standard	Adjustable Economy	Standard
Push handles	Standard	Standard	Standard	Standard	Standard	Height-adjustable (without tools)	Standard	Standard
Seat upholstery	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

*Versions 1 and 2 only available in Germany, Austria and Switzerland

Technical data	
User weight	125 kg
Wheelchair weight	See weight table, page 27
Seat width	6 seat widths: 380 / 405 / 430 / 455 / 480 / 505 mm
Seat depth	405 / 430 / 455 mm (tool-free adjustment)
Back height	400 / 425 / 450 / 475 mm
Anterior seat height	430 – 520 mm
Posterior seat height	410 – 505 mm
Seat angle	0 – 5°
Lower leg length	280 – 500 mm (continuously adjustable)

Start M2





Product highlights

- Fully configurable lightweight wheelchair
- Patented, tool-free, quick seat depth adjustment (up to 50 mm)
- Very low weight with full Ottobock quality (from 14.7 kg total weight, from 9.6 kg transport weight*)
- Antibacterial push handles**
- Excellent component compatibility
- New adjustable Economy back upholstery
- Larger centre of gravity adjustment range
- Larger selection of seat depths, including for people with a height over 2 m
- Larger selection of seat widths
- More options for height adjustment and seat tilt
- Wider foot space for hemiplegics, which allows “foot propelling”
- New one-hand drive for hemiplegics
- Numerous updated and improved accessories

Product features

- Aluminium frame
- Selection of 6 different colours (anthracite metallic, jet black RAL 9005, ice blue, silver metallic, saturn blue metallic, white RAL 9016)
- Tip-assist integrated into the frame
- Seat and back upholstery: black nylon
- Side panel with armrest, height can be adjusted (without tools) or set (with tools), adjustable depths, elevating
- 8" caster wheels (200 x 50 mm) with PU tyres or 5", 5.5", 6", 7", 8"
- Adjustable caster head
- Knee lever wheel lock
- 24" rear wheels with PU tyres or 22" rear wheels
- Individual footrests, angle-adjustable, plastic foot plate
- Swing-away footrest holders
- Drum brake for user and attendant

Technical data	
User weight	125 kg
Wheelchair weight	See weight table, page 27
Seat width	6 seat widths: 380/405/430/455/480/505 mm
Seat depth	Frame size 1: 405/430/455 mm Frame size 2: 480/505 mm
Back height	400/425/450/475 mm
Anterior seat height	380 – 510 mm
Posterior seat height	380 – 510 mm
Seat angle	selectable
Lower leg length	250 – 470 mm (continuously adjustable)

* The transport weight is the total weight of the wheelchair minus the weight of the rear wheels, footrests and seat cushion.

** The antibacterial effect of the push handles has been verified by an independent institute.

Start M2 options



Side panel with height-adjustable armrest



Adjustable Advanced back upholstery



Padded seat upholstery



Wider foot space



One-arm drive



Armrest with swivel unit

Start M2 options



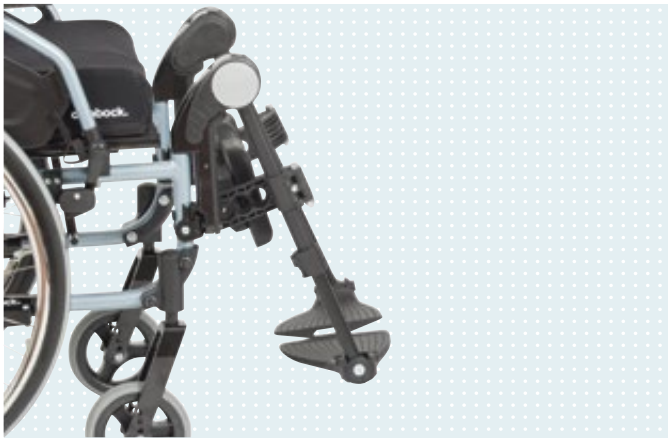
Various hand pads



Asymmetrical individual footrests, angle-adjustable, plastic foot plate



Single-panel footrest, aluminium footplate



Elevating footrest



Amputation legrest



Height-adjustable push handles

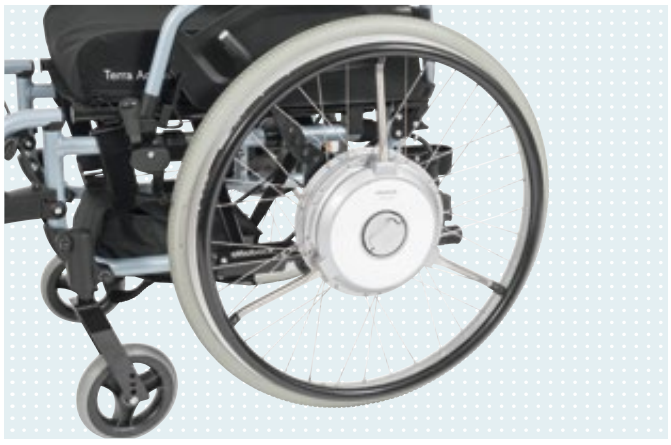
Start M2 options



Knee lever wheel lock for one-handed operation, right / left



Wheel lock for user and attendant



Add-on drives (here the new eSupport)



Various caster wheels



Various rear wheels / tyres / push rings



Various rear wheels / tyres / push rings

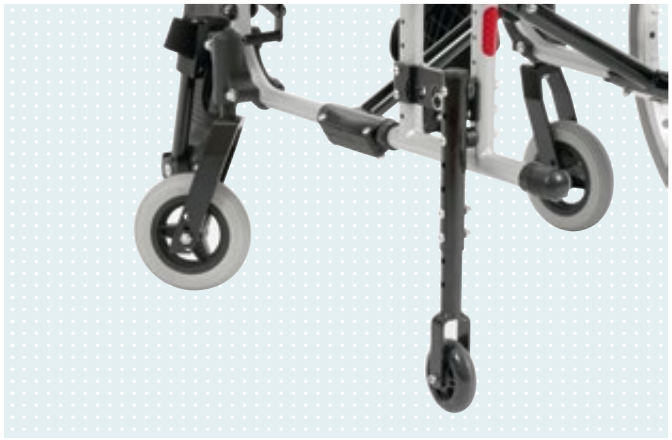
Options and accessories



Anti-tipper



Crutch holder



Transport wheels



Terra seat cushion



Terra Aquos seat cushion



Terra Flair seat cushion

Options and accessories



Wheel lock lever extension



Adjustable Economy back upholstery



Lap belt with plastic buckle



Lap belt with metal buckle

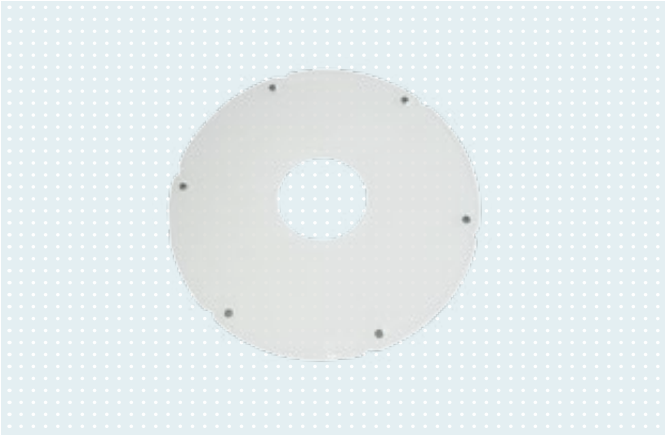


Ottobock headrest range



Lateral thoracic support

Options and accessories



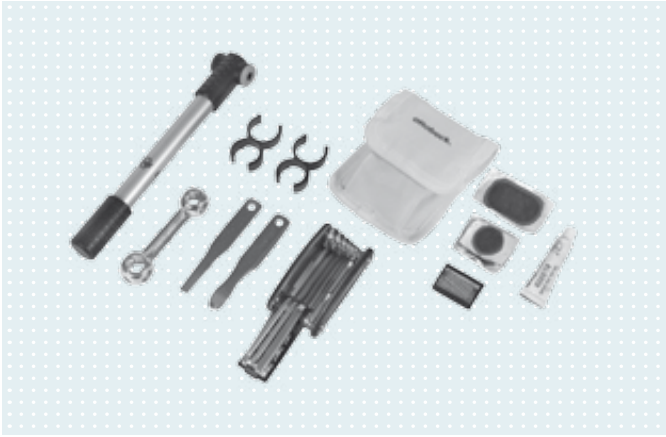
Spoke protectors



Tray



Heel band



Tool kit



Symmetrical individual footrests, angle-adjustable, plastic foot plate

Options / accessories matrix

	Start B2	Start M1	Start M2S	Start M2
Use of add-on drives				
eSupport (servo auxiliary drive operated via the push rings)				•
z50 (power add-on drive with joystick control, 12 Ah or 16 Ah)				•
Max. load capacity				
100 kg	•			
125 kg		•	•	•
Crash tested	•	•	•	•
Frame accessories				
Transport wheels	•	•	•	•
Plug-on anti-tipper	•	•	•	•
Crutch holder	•	•	•	•
Caster wheels				
6" pneumatic				•
6" PVC		•	•	•
7" pneumatic				•
7" solid rubber				•
8" pneumatic, narrow (long caster fork required)				•
8" pneumatic, wide (long caster fork required)				•
8" solid rubber, narrow (long caster fork required)				•
8" PU tyres, wide (long caster fork required)	•	•	•	•
Caster forks				
Caster fork, long	•	•	•	•
Caster fork, short				•
Wider foot space				•
Rear wheel size				
12"	•	•	•	
22"				•
24"	•	•	•	•
Wheelbase				
short / active			•	•
long / passive	•	•	•	•
Rear wheel rim				
Standard	•	•	•	•
Rear wheel with drum brake / attendant	•	•	•	•
One-arm drive with double push ring right / left (only in combination with 1" tyres)				•

Options / accessories matrix

	Start B2	Start M1	Start M2S	Start M2
Tyres				
1 3/8" pneumatic tyres				•
RightRun pneumatic tyres, fine tread, 1"				•
1 3/8" puncture-proof tyres				•
PU tyres, 1 3/8"	•	•	•	•
Push ring				
Plastic, black	•			
Push ring, aluminium, silver anodised, high	•	•	•	•
Push ring, polished stainless steel, high				•
Rubber-coated push ring				•
Wheel lock				
Knee lever wheel lock, standard	•	•	•	•
Wheel lock for user and attendant				•
Knee lever wheel lock for one-handed operation, right / left				•
Wheel lock accessories				
Plug-on wheel lock lever extension	•	•	•	•
Back system				
Back with lumbar curve, standard	•	•	•	•
Back, straight			•	•
Back angle adjustment 30° (only available with BH 475 mm)			•	•
Back, folding (only available with BH 475 mm)	•	•	•	•
Back height				
400 mm		•	•	•
420 mm		•		
425 mm			•	•
430 mm	•			
450 mm			•	•
475 mm			•	•
Back upholstery				
Standard	•	•	•	•
Adjustable Economy		•	•	•
Adjustable Advanced				•

Options / accessories matrix

	Start B2	Start M1	Start M2S	Start M2
Push handles				
Standard – antibacterial	•	•	•	•
Telescoping (not available in combination with 30° back angle adjustment or folding back)			•	•
Side panels				
Side panel, standard, 300 mm armrest	•	•	•	•
Side panel, standard, 365 mm armrest			•	•
Side panel, height-adjustable, 300 mm armrest	•	•	•	•
Seat upholstery				
Upholstery, standard	•	•	•	•
Upholstery, padded	•			•
Footrests				
Individual footrests, angle-adjustable, plastic foot plate, symmetrical	•	•		
Individual footrests, angle-adjustable, plastic foot plate, asymmetrical			•	•
Segmented foot plate, aluminium, 160 mm				•
Single-panel footrest, angle-adjustable, aluminium				•
Legrest, elevating, without automatic length adjustment, pair	•	•	•	•
Legrest, elevating, without automatic length adjustment, right (plus standard footrest, left)				•
Legrest, elevating, without automatic length adjustment, left (plus standard footrest, right)				•
Transtibial residual limb support, right (plus standard footrest, left), or				•
Transtibial residual limb support, left (plus standard footrest, right)				•
Transtibial residual limb support (pair)		•	•	•
Ottobock seat cushion range				
Terra seat cushion (thickness 60 – 95 mm)				•
Terra Aquos seat cushion (thickness 60 – 95 mm)				•
Terra Flair seat cushion (thickness 60 – 95 mm)				•
Standard seat cushion (thickness 50 mm)	•	•	•	•
Cubic Foam seat cushion (thickness 50 mm)				•
Evolight seat cushion (thickness 60 mm)				•

Options / accessories matrix

	Start B2	Start M1	Start M2S	Start M2
Ottobock headrest range				
Head and neckrest				•
Mounting kit				•
Ottobock chest support range				
Chest support				•
Ottobock arm positioning range				
Armrests (various versions)				•
Hand pads (various versions)				•
Positioning aids (various versions)				•
Ottobock belt range				
Chest / shoulder belt				•
Lap belts (various versions)	•	•	•	•
Spoke protector				
Spoke protector, transparent				•
Other accessories				
Anti-tipper	•	•	•	•
Crutch holder	•	•	•	•
Transport wheels	•	•	•	•
Wheelbase extension				•
Wheel lock lever extension	•	•	•	•
Tray				•
Heel band for individual footrests	•	•	•	•
Tool kit				•
Stabiliser bar for push handles				•
Frame colour				
Anthracite metallic				•
Jet black RAL 9005	•			•
Ice blue				•
Silver metallic	•	•	•	•
White RAL 9016				•
Saturn blue metallic				•

You can also order many of the accessories given above (e.g. seat cushions and headrests) for non-configurable products.
Refer to our extensive accessories catalogue (646K12).

WEIGHT (kg)- START 4										
SW (mm)	**M1**	**M1 Transport**	**M1 DB**	**M1 DB Transport**	**M2S**	**M2S Transport**	**M2S DB**	**M2S DB Transport**	**M2**	**M2 Transport**
380	14.6	9.5	16.0	10.5	14.7	9.6	15.8	10.3	14.7	9.6
405	14.7	9.6	16.1	10.6	14.8	9.7	15.9	10.4	14.8	9.7
430	14.8	9.7	16.2	10.7	14.9	9.8	16.0	10.5	14.9	9.8
455	14.9	9.8	16.3	10.8	15.0	9.9	16.1	10.6	15.0	9.9
480	15.0	9.9	16.4	10.9	15.1	10.0	16.2	10.7	15.1	10.0
505	15.1	10.0	16.5	11.0	15.2	10.1	16.3	10.8	15.2	10.1

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Ottobock has a certified Quality Management System in accordance with ISO 13485.

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