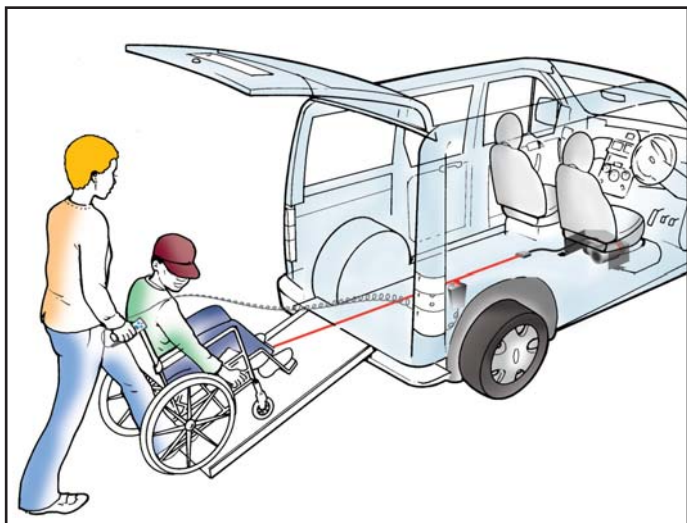




BHW

Bushey Hall Winchmaster

www.bhwgroup.com



WINCH•ASSIST systems are easily fitted to several popular makes of mobility compatible vehicles.

WINCH•ASSIST CONCEALED SYSTEMS for Wheelchair Access Vehicles

A range of safe, reliable and smooth running mobility systems that are an important aid to help ensure compliance with UK and EU manual handling regulations.

Unobtrusive systems that are neatly concealed underneath a front seat with only the winch rope and wheelchair attachment straps visible.

Carers are able to load and unload wheelchairs and their occupants with minimum effort.

Each system has UKCA and CE certification and load tested winches and straps.

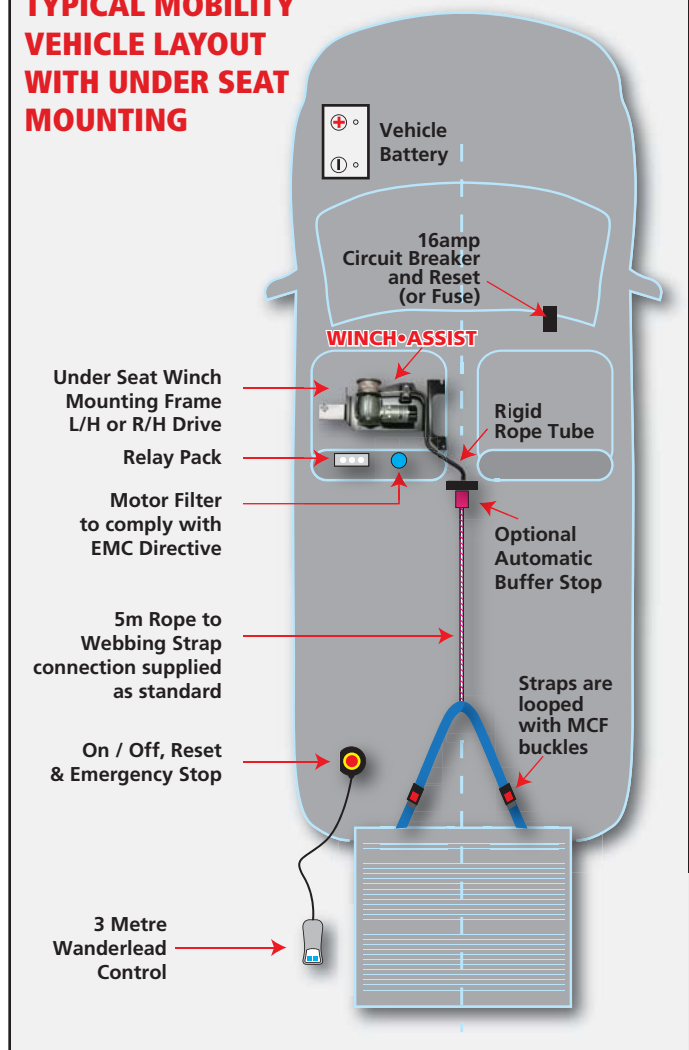
WINCH•ASSIST systems are approved by Motability and TUV and are available for left or right hand drive.



WINCH•ASSIST FEATURES INCLUDE

- **Complete winch kits provided for all types of mobility vehicles**
- **Relay pack, wiring loom and motor filter**
For easy installation and efficient motor operation
- **Wanderlead control and emergency stop**
3m wanderlead and emergency stop / reset console that fits inside the rear of the vehicle
- **Rope and straps supplied as standard**
5m polyester rope and webbing straps with buckles calibrated for WINCH•ASSIST systems
- **Optional automatic buffer stop**
Fitted to rope feed for additional safety
- **Optional circuit breaker / reset button**
16amp circuit breaker with reset facility
- **Optional choices of strap connections**
Including T Bar and Carabiner Hooks
- **UK CE marked for UK and EU compliance**
To conform with Machinery & EMC Directives with certificates of conformity issued with every system
- **Motability and TUV approved**
- **After sales service**
Technical advice given on winch fitting and component replacement, plus efficient overnight parts despatch and fast repairs.

WINCH•ASSIST TYPICAL MOBILITY VEHICLE LAYOUT WITH UNDER SEAT MOUNTING



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WINCH•ASSIST

Specialist Kits for a range of Mobility Vehicles

The BHW Group are constantly updating the list of vehicles for WINCH•ASSIST.
Please call sales for the latest updates, alternatives and spare or replacement parts..

Fiat Doblo - Low Floor



Kit No. 6163

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Fiat Doblo - High Roof



Kit No. 6164

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Renault Kangoo



Kit No. 6162

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Citroën Berlingo



Kit No. 6169

- Winch Assist Model 2
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Fiat Scudo



Kit No. 8252

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Citroën Berlingo XTR



Kit No. 12012

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Peugeot Expert



Kit No. 8252

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Citroën Dispatch



Kit No. 8252

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Volkswagen Caddy



L/Hand Drive Only Kit No. 6168

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

Ford Tourneo Connect



R/Hand Drive No. 6170 L/Hand Drive No. 6166

- Winch Assist Model 4
- Mounting plate for installation under passenger seat
- Motor Filter
- 5m rope with webbing strap to connect onto the wheelchair
- Rear winch control panel including emergency stop button On / Off and reset buttons
- Wanderlead control and remote solenoid pack
- Wiring loom

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WINCH•ASSIST

Comparative winch ratings and specifications for mobility vehicle use

Mobility winches with different load ratings for either soft rope or webbing strap use.

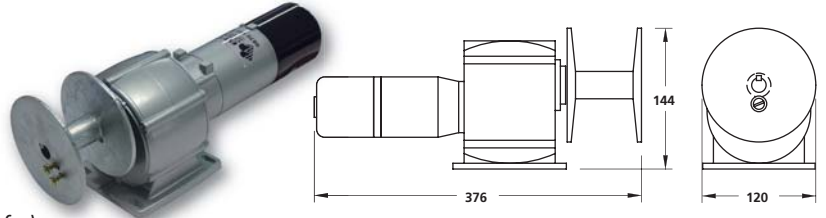
Use part numbers shown for replacing winches, use kit numbers on page 2 for complete vehicle kits.

Winch Model 2

Part No. 15101

- Drum and gearing in line with motor
 - Amperage Draw: 25amps
 - Working Load Limit: (Maximum pulling force in strap upper layer): 104kgf
 - Line Pull - Bare Drum (30mm diameter): 200kgf
 - Typical Rolling Load Capacities on Gradients:

Gradient	5°	7°	10°	12°	15°
Capacity (kg)	1190	850	600	500	400
 - Drum Torque - Motor / Gearbox rating: 36Nm (3.67kgfm)
- Includes motor brake and all gears running in oil bath

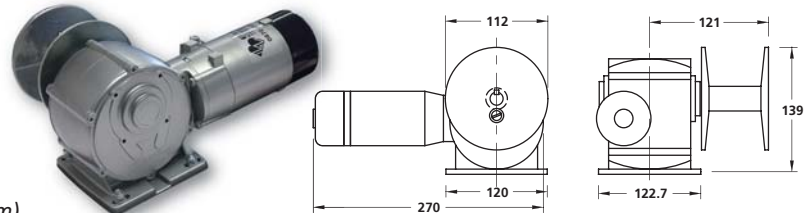


Winch Model 4

Part No. 15102

- Drum and gearing at 90° to motor
 - Amperage Draw: 25amps
 - Working Load Limit (Maximum pulling force in strap upper layer): 104kgf
 - Line Pull - Bare Drum (30mm diameter): 200kgf
 - Typical Rolling Load Capacities on Gradients:

Gradient	5°	7°	10°	12°	15°
Capacity (kg)	1190	850	600	500	400
 - Drum Torque - Motor / Gearbox rating: 36Nm (3.67kgfm)
- All gears running in oil bath. (Model 4 is shorter than Model 1)



The winches shown above are those used in the most popular vehicle kits.

For further options and specifications for alternative vehicle kits and winch load ratings, please call BHW Group sales on +44 (0)20 8953 6050.

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WINCH•ASSIST

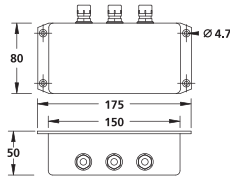
Components for Mobility Vehicle Kits

Under Seat Mounting Brackets and Rope Tubes: Under seat mounting brackets and rope tubes are designed specifically for each mobility vehicle and are supplied with end clamps and ancillary fittings with each kit. Please call BHW Group sales.

Relay Pack



Part No. 6198



Relay with Data Cable Link



Part No. 14007

12v relay box with thermal cut out switch, includes data cable link for simple Cat5 cable link for wiring to control panel (Part No. 14205).

Control & Emergency Stop



Part No. 14074

Mobility Vehicle Control Unit.

Emergency Stop, On / Off and Reset buttons.

Includes jack plug socket and resting bay for Wanderlead.

Control & Emergency Stop with Data Cable link



Part No. 14205

Mobility Vehicle Control Unit. Emergency Stop, On / Off and Reset buttons.

Includes locking jack plug socket and Cat 5 cable link for wiring to relay box (Part No. 14007).

Wanderlead



Part No. 13939

Wanderlead control with 3m flexible cable and jack plug.

Rope & Webbing Straps

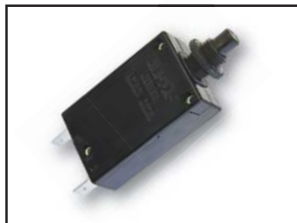


Part No. 7356

5m polyester rope and webbing strap with MCF buckles to fit straps to wheelchair.

This is supplied as standard, other options for web straps are shown on the Web Strapping page.

16a Circuit Breaker / Reset

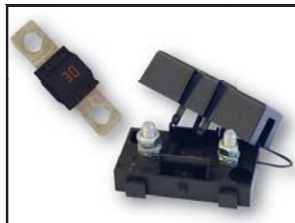


Part No. 7432

OPTIONAL EXTRA

16amp circuit breaker and reset switch, normally fitted under the dashboard.

Fuse & Fuse Holder



Fuse = Part No. 2408 Holder = Part No. 2412

OPTIONAL EXTRA

30 amp fuse and fuse holder to protect the BHW Winch•Assist system.

Motor Filter



Part No. 6140

Motor filters for EU compliance with the EMC Directive.

Automatic Buffer Stop

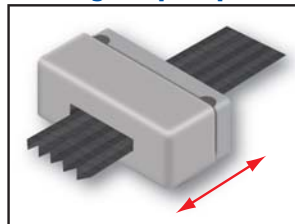


Part No. 6195

OPTIONAL EXTRA

Foam rubber buffer creates pressure sensitive switch with rope feed block, to cut off winch power when soft rope is fully winched in.

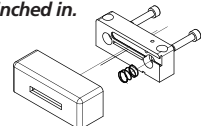
Webbing Strap Stop



Part No. 11033

OPTIONAL EXTRA

Spring loaded electric pressure switch, to cut off winch control when webbing strap is fully winched in.



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WINCH•ASSIST

Web Strapping Options

Below are examples from a range of web strap options available from BHW Group. Strap tongues and buckles are normally MCF or K12. It is important to specify fixtures correctly, especially if adding to an existing system. Adaptors are also available.

Carabiner Hooks to MCF Tongue

Part No. 7349

Web strapping with carabiner hooks to an MCF tongue.

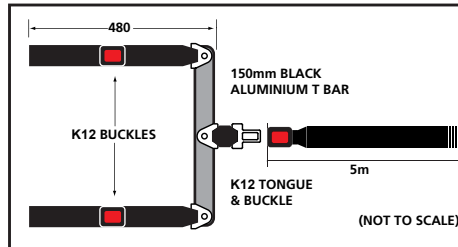


Buckle Straps, T Bar & 5m Strap

Part No. 7302

Web straps with loop overs to K12 buckles, fitted to a 150mm black aluminium T-Bar which has a K12 tongue.

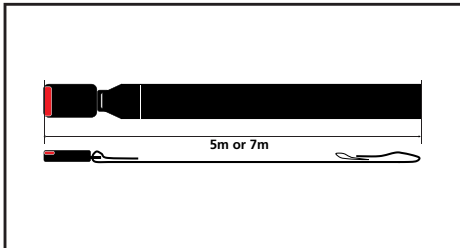
Includes 5m webbing strap to fit to winch.



Web Strap & K12 Buckle

7m = No. 7308
5m = No. 7315

Web strap to wind on to winch with K12 buckle fitting.

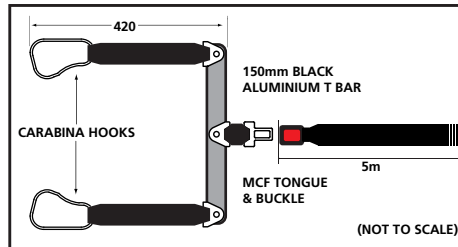


Carabiner Hooks, T Bar & 5m Strap

Part No. 7320

Web strapping with carabiner hooks, fitted to a 150mm black aluminium T-Bar which has an MCF tongue.

Includes 5m webbing strap to fit to winch.



K12 Buckle to MCF Tongue Adaptor

Part No. 12556

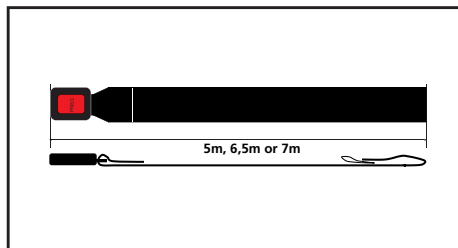
Short strap adaptor with an MCF tongue and a K12 buckle.



Web Strap to MCF Buckle

7m = No. 7309
6.5m = No. 7348
5m = No. 13411

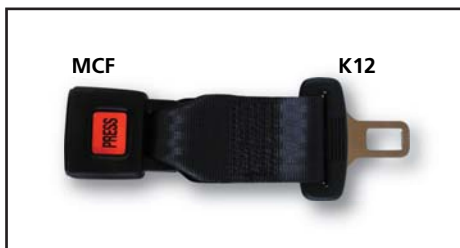
Web strap to wind on to winch with MCF buckle fitting.



MCF Buckle to K12 Tongue Adaptor

Part No. 12557

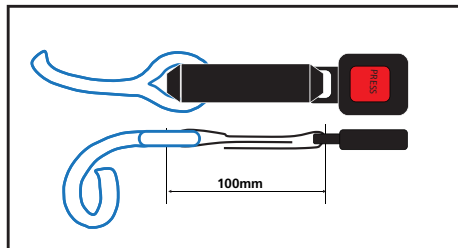
Short strap adaptor with a K12 tongue and an MCF buckle.



5m Soft Rope to MCF Buckle

Part No. 7380

5 metre polyester rope attached to MCF buckle.



Floor Anchor to Tongue Adaptor

MCF No. 10575
K12 No. 9393

Short strap adaptor with floor anchor to an MCF or K12 tongue.



For additional strap and fixture solutions, please call BHW Group sales on +44 (0)20 8953 6050.

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