

MINILIFT

The MINILIFT is a manually operated modular hoisting kit tailored to perform a specific application on both civil and military aircraft.

It is extensively used in confined spaces during aircraft assembly and maintenance, to install and remove APUs, engines, actuators, fairing, doors, ailerons, spoilers, various batteries, air conditioning unit, electric packs and gears.

The governor decent has two lifting speeds, slow for heavy loads up to the Safe Working Load and fast for light loads ($1/3 \times \text{SWL}$ or less) or for winding cable in or out.

Didsbury Hoists are very robust and reliable, offering a long lifespan compared to other cheaper, more disposable hoists.

Features and benefits of the Didsbury Hoists are:

- Option of wind up / wind down or governor decent controlling system
- A totally enclosed cable drum, preventing snagging of cable
- Unique cable layering system, allowing the cable to be wound in or out, with or without a load on the hook
- Easy cable wind out facility, allowing feed out of cable without pulling
- Powder coated in your chosen colour providing a durable finish, which can even be branded with your logo
- Low operator effort required on winding handle
- Various quick change cable end fittings
- Versatile fittings in modular form



- Minimum training
- Easy to operate
- Easily integrated with electric drive for raising and lowering load

- Governor controlled decent and brake lever.

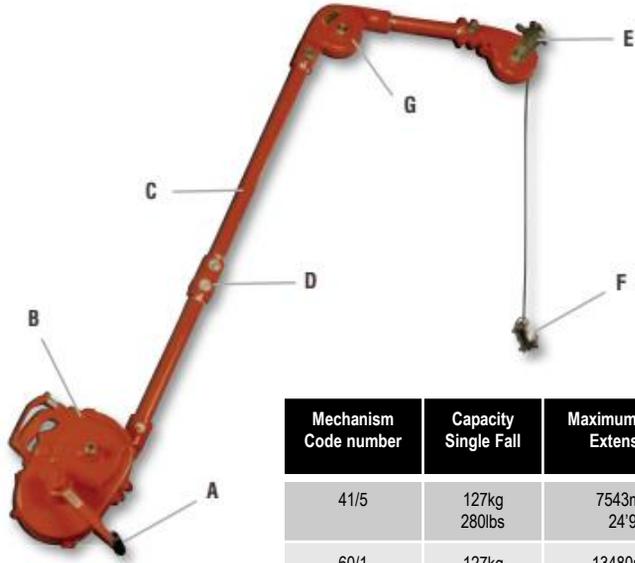
- Two lifting speeds, slow for heavy loads up to SWL and fast for light loads ($1/3 \times \text{SWL}$ or less) or for winding cable in and out.

Wind up – wind down

Governor decent

Components

- A. Winding handle
- B. Winding mechanism
- C. Extension tube
- D. Tube coupling
- E. Top sheath
- F. Detachable hook or shackle
- G. Angle changer



Mechanism Code number	Capacity Single Fall	Maximum Cable Extension	Weight
41/5	127kg 280lbs	7543mm 24'9"	10kg 22lbs
60/1	127kg 280lbs	13480mm 44'3"	18kg 40lbs
42/1	254kg 560lbs	7518mm 24'8"	13kg 28lbs
43/1	508kg 1120lbs	6628mm 21'9"	19kg 41lbs
54/75	914kg 2016lbs	6552mm 21'6"	21kg 47lbs
44/80	1270kg 2800lbs	4800mm 15'9"	26kg 58lbs
91/16	500kg 1100lbs	9400mm 30'10"	21kg 47lbs
91/17	250kg 550lbs	11800mm 38'8"	21kg 47lbs

Winding Mechanism

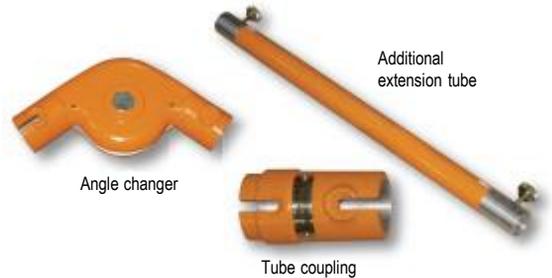
Manual mechanical operation.
Torque limit winding handle.
Two winding shafts – giving slow or fast winding ratio options. Winding is through a fail safe brake system.
Unique cable drum gives controlled single layering enabling precise wind-in/wind-out facility.
Governor controlled rate of descent.
Air motor drive available.

Extension Tubes and Couplings

Extension tubes are fitted between the winding mechanism and the top sheath to facilitate a convenient winding position and act as a cable guide.

Tubes are available in pre-set lengths or manufactured to suit special requirements.

Tubes can be joined by the use of a tube coupling or tube angle changer



Lifting Attachments

Standard and special attachments can be supplied to suit any type of load.



Top Sheaths

Top sheaths are used to suspend the hoist system from the support point.