

Can we
give you
a lift?

HALLITS

newton



The Newton family, from 250 down to 50 kg

A lift for the employees

Raised revenues for the employers





The equation is simple ...

More gets done – In less time, with less effort.

- + Improved working conditions
- + Less physical strain
- + Fewer injuries
- + Reduced work absence
- + Lower health costs

= ... and you don't need Newton's genius to figure it out.

Newton is engineered

with a commitment to ergonomics

CAUTION!

People are biological constructions. Their structure of muscle and bone is not adapted to strenuous lifting. Even relatively light lifting, if done improperly or over a period of time, can cause considerable damage.

LOST WORKDAYS.

More than half of all workdays lost to work-related health problems involve injured muscle, bone or connecting tissue, collectively known as musculoskeletal disorders (MSD).

"MSD IS THE GREATEST HEALTH

AND SAFETY CHALLENGE FOR EUROPE".

Over 40 million EU workers are affected by MSD. These injuries (accidents not included) cost employers over €385 million or between 0.5% and 2% of the Gross National Product, "a significant burden on the EU economy".*

ON CAN TAKE IT – JUST NAME IT.

Anywhere lifting is done – office, factory, hospital, stage, warehouse, market, garage, shop, store, school, institution – Newton can do the heavy work and take the strain off people.

As the main cause of musculoskeletal disorders can be significantly reduced by eliminating lifting tasks, Newton can be called a health aid.

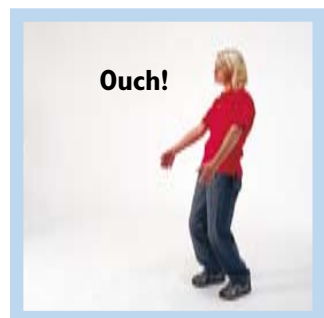
Because it improves local equipment transport and supply, it might also be called an efficiency tool.

Newton saves money by reducing the costs for lost workdays and can therefore also be called an economic implementation.

Call Newton whatever you'd like! We often use pet names for the things we love.

**The figures and quotations are from EU reports on Health and Safety in Europe.*

HURTY WORDS YOU DON'T WANT TO HEAR:



I love Newton



It's easy to love something that

- is created with you in mind
- understands how you function
- concerns itself with your needs
- cares for your health and safety
- stands up for you
- takes a load off your mind,
and your shoulders,
neck, back, arms,
wrists, legs and knees.



From the workshop floor to the floor of a shop
From warehouse rows to office corridors









From library to shopping centers
From lab benches to institutional shelves



Newton raises the standards of lifting

LOADS COME IN VARIED WEIGHTS, BUT ALSO IN VARIED SHAPES AND SIZES. NEWTON HANDLES THEM ALL – FLEXIBLE & ADAPTABLE.

Newton utilizes a system of module carriers to handle varied loads:

- on a platform
- on a pole
- with a fork
- in clasps
- in a frame for EU-standard boxes
- with a custom-design to serve specific needs

Newton is not flexible with ergonomic considerations. Only the safest and most comfortable way of working is acceptable. There are no loose cables or exposed drives. Accessible handles, rounded edges, sturdy frame and reliable wheels guard against accidents and allow for smooth operations.



Newton's family of accessories



JOHN

For boxes and trays,
John is a prize,
particularly for those of
standard* EU-size.



JEEVES

Jeeves is one of our
most trusted servants.
If it's flat and stable,
put it on his table.



BARBARA

Barbara's smooth and
capable arms are the subject
when there's a need to carry
a cylindrical object.



NANCY

Nancy's kinda fancy,
she can go two ways.
Use her as a fork just by
lifting up her tray.



ALEX

Alex can hold things that
no one else can carry, tires,
spools, rolls or suits for John,
Chuck & Benny.



LINDA

Linda's arms are
well shaped and stable.
Curved things ride
securely in her cradle.



BENNY

Drums, pails, jars, buckets – it
doesn't even have to be round
– Benny can grab them all and
turn them upside down.



LIZ

From horizontal to vertical
or the other way around,
Liz'll lift it and turn it barely
making a sound.



JENNY

Keep your body and the goods
whole. Give Jenny's height and
strength a leading role.



HEAVY DUTY EXPANDER

This expander lifts, turns,
rotates and positions to deal
with varied objects and diverse
conditions.



ALL-AROUND EXPANDER

This expander was born with brawn.
When the weight is tough,
he's enough.

**All the basic configurations can be modified to specific customer requirements.*

Technical Specifications



NEWTON 50

	METRIC	USA		METRIC	USA
Height	1670 mm	65.75 inches	Lifting speed	120 mm per second	4.73 inches per second
Length including standard platform	754 mm	29.68 inches	Lifting capacity	50 kg	110 pounds
Width	480 mm	18.89 inches	Batteries (Gas-tight lead)	2 x 7,5 Ah 12 V	2 x 7.5 amp-hour
Standard platform size	470 x 450 mm	18.50 x 17.72 inches	Charging voltage	240 V	115 VAC
Minimum lifting height**	110 mm	4.33 inches	Wheel diam. front/rear	50 mm/125 mm	2 inches/5 inches urethane
Maximum lifting height**	1450 mm	57.09 inches	Standard equipment	Lift with platform, swivel, casters, 230 VAC charger	Lift with platform, swivel, casters, 115 VAC charger



NEWTON 70

	METRIC	USA		METRIC	USA
Height	1870 mm, 2070 mm*	73.62 inches, 81.5 inches*	Lifting speed	120 mm per second	4.73 inches per second
Length including standard platform	875 mm	34.5 inches	Lifting capacity	70 kg	155 pounds
Width	525 mm	20.7 inches	Batteries (Gas-tight lead)	2 x 7,5 Ah 12 V	2 x 7.2 amp-hour
Standard platform size	525 x 470 mm	20.7 x 18.5 inches	Charging voltage	240 V	115 VAC
Minimum lifting height**	130 mm	5.1 inches	Wheel diam. front/rear	80 mm/125 mm	3.15/5 inches urethane
Maximum lifting height**	1535 mm, 1735 mm*	60.4 inches, 68.3 inches*	Standard equipment	Lift with platform, swivel, casters, 230 VAC charger	Lift with platform, swivel, casters, 115 VAC charger



NEWTON 100

	METRIC	USA		METRIC	USA
Height	1870 mm, 2070 mm*, 2370 mm*	73.62 inches, 81.5 inches*, 93.3 mm*	Charging voltage	240 V	115 VAC
Length including standard platform	875 mm	34.5 inches	Unloaded weight	50 kg	110 pounds
Width	525 mm	20.7 inches	Electric safety class	IP 41	IP 41
Standard platform size	525 x 470 mm	20.7 x 18.5 inches	Wheel diam. front/rear	80 mm/125 mm	3.15/5 inches urethane
Minimum lifting height*	140 mm	5.5 inches	Material standard platform	UHMW polyethylene	UHMW polyethylene
Maximum lifting height*	1535 mm, 1735 mm*, 2035 mm*	60.4 inches, 68.3 inches*, 80.1 mm*	Material - frame	Powder coated steel	Powder coated steel
Lifting speed	100 mm/sec	4 inches per second	- column	Anodized aluminium	Anodized aluminium
Lifting capacity	100 kg	220 pounds	- housing	ABS plastic	ABS plastic
Batteries (Gas-tight lead battery)	2 x 7,5 Ah 12 V, 2 x 12 Ah 12 V	2 x 7.5 amp-hour, 12 volts in series,	Standard equipment	Lift with platform, swivel, casters (rear locking), 230 VAC charger, optional 12 amp-hour	Lift with platform, swivel, casters (rear locking), 115 VAC charger



NEWTON 150

	METRIC	USA		METRIC	USA
Height	1870 mm, 2070 mm, 2370 mm	73.62 inches, 81.5 inches	Charging voltage	240 V	115 VAC
Length including standard platform	875 mm	34.5 inches	Unloaded weight	52 kg	115 pounds
Width	525 mm	20.7 inches	Electric safety class	IP 41	IP 41
Standard platform size	525 x 470 mm	20.7 x 18.5 inches	Wheel diam. front/rear	80 mm/125 mm	3.15/4 inches urethane
Minimum lifting height*	140 mm	5.5 inches	Material standard platform	UHMW polyethylene	UHMW polyethylene
Maximum lifting height*	1535 mm, 1735 mm*, 2035 mm*	60.4 inches, 68.3 inches	Material - frame	Powder coated steel	Powder coated steel
Lifting speed	80 mm/sec	3.15 inches per second	- column	Anodized aluminium	Anodized aluminium
Lifting capacity	150 kg	330 pounds	- housing	ABS plastic	ABS plastic
Batteries (Gas-tight lead battery)	2 x 7,5 Ah 12 V, 2 x 12 Ah 12 V	2 x 7.5 amp-hour, 12 volts in series,	Standard equipment	Lift with platform, swivel, casters (rear locking), 230 VAC charger, optional 12 amp-hour	Lift with platform, swivel, casters (rear locking), 115 VAC charger



NEWTON 250

	METRIC	USA		METRIC	USA
Height	1975 mm, 2175 mm	77.75 inches, 85.63 inches	Lifting speed	70 mm/sec	2.8 inches per second
Length including standard platform	1102 mm	43.4 inches	Lifting capacity	250 kg	550 pounds
Width	622 mm	24.5 inches	Batteries (Gas-tight lead)	2 x 17 Ah 12 V	2 x 17 amp-hour
Standard platform size	600 x 500 mm	23.6 x 19.7 inches	Charging voltage	240 V	115 VAC
Minimum lifting height*	150 mm	5.90 inches	Wheel diam. front/rear	75 mm/160 mm	3 inches/6.3 inches urethane
Maximum lifting height*	1535 mm, 1735 mm*	60.43 inches, 68.3 inches	Standard equipment	Lift with platform, swivel, casters, 230 VAC charger	Lift with platform, swivel, casters, 115 VAC charger



REFLEX 70

	METRIC	USA		METRIC	USA
Height	1670 mm, 1970 mm	65.75 inches, 77.6 inches	Charging voltage	240 V	115 VAC
Length including standard platform	780 mm	30.7 inches	Unloaded weight	43 kg	95 pounds
Width	595 mm	23.5 inches	Electric safety class	IP 41	IP 41
Standard platform size	525 x 470	20.7 x 18.5 inches	Wheel diam. front/rear	80 mm/100 mm urethane	3.15/4 inches urethane
Minimum lifting height*	140 mm	5.5 inches	Material standard platform	304 stainless steel	304 stainless steel
Maximum lifting height*	1465 mm, 1765 mm	57.6 inches, 69.5 inches		UHMW polyethylen	UHMW polyethylen
Lifting speed	100 mm/sec	4 inches per second	Material (frame, column and housing)	304 stainless steel	304 stainless steel
	remote pendant standard	remote pendant standard	Standard equipment	White powder coating	White powder coating
Lifting capacity	70 kg	155 pounds		Lift with platform, swivel casters (rear locking)	Lift with platform, swivel casters (rear locking)
Batteries (Gas-tight lead battery)	2 x 7,5 Ah 12 V	2 x 7.5 amp-hour		230 VAC charger	115 VAC charger
		12 volts in series			



REFLEX 200

	METRIC	USA		METRIC	USA
Height	1840 mm	72.44 inches	Gas-tight lead batteries	2 x 17 Ah 12 V	2 x 17 amp-hour
Length including standard platform	1015 mm	39.96 inches	Charging voltage	240 V	115 VAC
Width	520 mm	20.47 inches	Unloaded weight	100 kg	220 pounds
Standard platform size	525 x 540 mm	20.7 x 21.3 inches	Electric safety class	IP 41	IP 41
Minimum lifting height*	100 mm	4 inches	Wheel diam. front/rear	80 mm/100 mm urethane	3.15/4 inches urethane
Maximum lifting height*	1500 mm	59 inches	Material standard platform	304 stainless steel	304 stainless steel
Lifting speed	100 mm/sec	4 inches per second			
Lifting capacity	200 kg	440 pounds			

OTHER OPTIONS AVAILABLE: Speed control (joystick), removable handcontrol, battery indicator, extra warranty (total of 3 years) and more. Build the Newton that best meets your demands!

The stackers are constructed in accordance with: Directive 98/37/EC relating to machinery in approximation of Member State laws; Directive 73/23/EEC on guidelines applying to low voltage electrical equipment; and Directive 89/336/EEC on conformity to appliance standards. Accessories and supplementary parts have been constructed in consideration of En 1175-I for the general requirements for battery powered trucks, as well as EN 1757-I for the safety of stacker trucks.

* with standard platform, other options available

Reflex





Reflex 70

A profitable investment in ergonomics and local equipment transport management. Engineered for flexibility and functionality, this handy, versatile and robust stacker handles loads up to 70 kg. With the press of a button the silent battery-powered motor lifts your load to the desired height. The Reflex 70 is available in stainless steel or in white powder coating.

Reflex 200

A stainless steel stacker for loads up to 200 kg. Reflex 200, the latest member in a series of ergonomic stackers from Hallins, requires no maintenance, includes a variety of lifting tools, and is designed for safety. This makes Reflex 200 the ideal choice for managing the transportation of local equipment – a wise investment in the well-being of your personnel and the strength of your company.



newton[®]

A savior for the employees

A hero for the employers

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