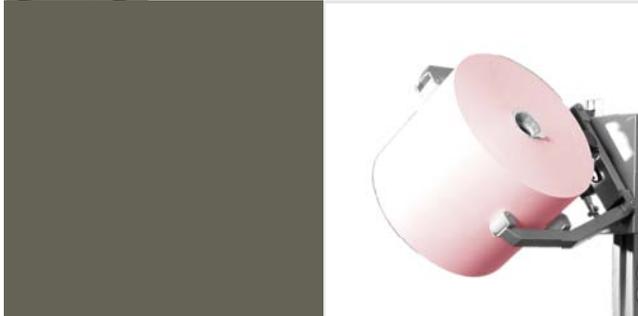




HANDLING OF REELS



HOVMAND
LIFTING & MOVING TECHNOLOGY

WE IMPROVE OUR CUSTOMERS' WORKFLOW WITH INTELLIGENT LIFTING AND MOVING SOLUTIONS

HOVMAND LIFTERS

ALUMINIUM AND STAINLESS STEEL

Hovmand delivers lifters in aluminium or stainless steel.

LIFTING EQUIPMENT

We have a large range of equipment for lifting and handling of reels, boxes, drums and many other types of items. We provide forks, platforms and booms, and for the more complex tasks we have manual or electric grippers, tipping and turning devices. Many of our lifters are supplied with specially designed lifting equipment.

LIFTING MASTS

We have a large selection of lifting masts with a payload ranging from 70 to 300 kg. We can lift from 1.2 meter up to 4 meters. Hovmand lifters are characterised by high lifting speed and thus efficiency.

LEGS AND WHEELS

Legs and wheels must be suitable for the application, run smoothly and not be obstructive. We have a very large range of legs: narrow and wide, short and long, legs to run under or outside a pallet. Also, you can get the exact type of wheel to suit your task.

CONTROLS

It is important that operation of the lifter is appropriate to the task. You can order the lifter with push buttons, switches, remote control or built-in buttons in the handles of the push bar. All Hovmand lifters come with an electronic control with "soft start", battery indicator, built-in charger and the relevant battery pack.

SAFETY DEVICES

Hovmand lifters are equipped with a range of devices in order to make daily use easy and safe. These include overload protection, safety clutch, brakes, etc.

CLIENTS

- Alfa Laval
- Airbus
- Arla Foods
- Aventis Pasteur
- Audi
- Bang & Olufsen
- Bayer
- Boots the Chemist
- Cadburys
- Carlsberg
- Coca Cola
- Colgate-Palmolive
- Continental
- COOP
- Daimler-Benz
- Danfoss
- Dassault Aviation
- Dior
- Dunlop
- Electrolux
- GlaxoSmithKline
- Grundfos
- Halfords
- IBM
- Janssen
- Johnson & Johnson
- Kraft Food
- LEGO
- L'Oreal
- Louis Vuitton
- Merck Pharma
- Nestlé
- Novo Nordisk
- Pfizer
- Proctor & Gamble
- Renault
- Samsung
- Tetrapak
- Vestas
- Volvo

Dealer:

WWW.**HOVMAND**.COM

LIFTING TOOLS



BOOM & DOUBLE BOOM	V-BLOCK	GRIP INSIDE REEL MANIPULATOR	GRIP OUTSIDE GRIP & TURN UNITS
A boom is used to lift the reel in the core. It is also possible to use a Double Boom that lifts underneath the reel and not in the core.	The V-block is a V-shaped plate in which the reel is placed. The V-block can rotate so the reel can be placed directly on the machine or with a mandrill.	The reel manipulator grips in the core whereby you can get the reels even when placed closely together. The Reel manipulator can tip the reel to a horizontal position and place it directly in the packaging machine.	A gripping & turning unit grips the reel outside and turns or tips the reel. Gripping & turning units are suitable for large reels or reels with mandrills.

LIFTING CAPACITY

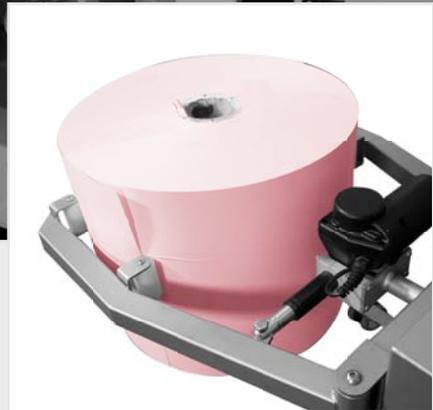
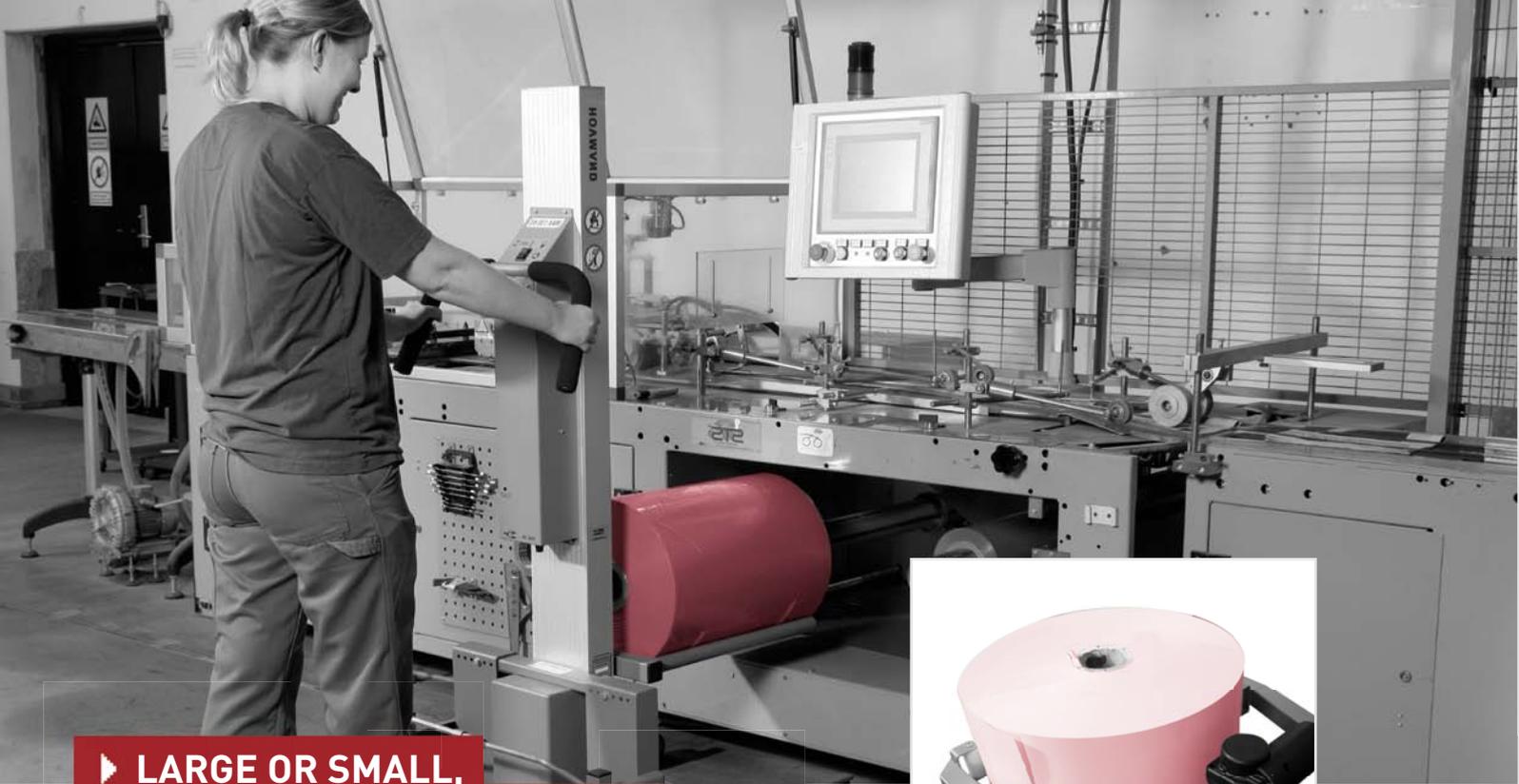
Indicative maximum weights of reels with various combinations of lifting tools and lifters.

	Compact	70	80	130	E130	E160	200	E300
Boom (D)	100	70	80	130	130	160	200	300
Double boom (DD)	100	70	80	130	130	160	200	300
V-block (DVB)	60	40	40	60	60	110	120	200
Reel manipulator manual (MRP)	-	40	50	80	80	100	140	-
Reel manipulator Semi-Elect. (SER)	-	-	-	80	80	100	140	-
Reel manipulator electric (VER)	-	-	-	80	80	100	140	200
Grip & Turn (QC6)	-	-	-	80	80	100	-	-
Grip & Turn (EG6)	-	-	-	-	-	100	150	250
Grip & Tip forward (EG2)	-	-	-	-	-	100	140	250

The above table is based on the handling of reels with a width of maximum 600 mm and a diameter of 1000 mm. If the reel-dimensions exceed these measurements, the recommended weight is reduced. If not specified in above table the combination of lifting equipment and lifters do not exist.

TECHNICAL SPECIFICATIONS FOR STANDARD LIFTERS

	Compact	70	80	130	E130	E160	200	E300
Material Alu/Steel	x	x	x	x	x	x	x	x
Material Stainless Steel					x	x		x
Capacity (max) kg	100	70	80	130	130	160	200	300
Weight Alu/Stainless kg	22	35	35	40	40/62	44/67	42	95/105
Lifting height/ Mast height mm	500/ 1055	1000/ 1220	1200/ 1520	1200/ 1520	1000/ 1520	1000/ 1510	1200/ 1580	850/ 1520
Lifting height/ Mast height mm	-	1300/ 1920	1600/ 1920	1600/ 1920	1550/ 1920	1450/ 1910	1600/ 1970	1300/ 1920
Lifting height/ Mast height mm	-	1700/ 1920	2000/ 2320	2000/ 2320	1950/ 2320	1800/ 2310	2000/ 2370	1650/ 2320
Ekstra lifting height/ Mast height max mm	-	-	-	3680/ 4000	-	3490/ 4000	3620/ 4000	3330/ 4000
Lifting speed mm/sec		125	125	125	125	125	125	125
Batteries V/Ah	24/1,3	24/9	24/9	24/9	24/9	24/18	24/18	24/18
Charger/ charging time Amps/hour	0,2/6	2/5	2/5	2/5	3/4	3/8	3/8	3/8
Fixed legs width/ length mm	430/ 450	325/ 400	430/ 450	430/ 450	-	-	430/ 600	-
Adjustable legs width/ length mm	-		450-650/ 500-1000	450-650/ 500-1000	470-630/ 450-1000	456,506,586/ 450- 1000	450-650/ 450-1000	450-840/ 450-1000



▶ LARGE OR SMALL, SHORT OR LONG, HIGH OR LOW

Lifting and moving reels the Hovmand way:

FUNCTIONALITY

We provide you with an intelligent range of reel lifting and moving options: from lifters for the most basic handling of large and small reels with a boom or V-block over specialised designs that grips the reel by the core and rotates it. Or a lifter that grips the reel from the outside and turns it around, manually or electrically, as well as tailor-made lifters for tool changes in your production process.

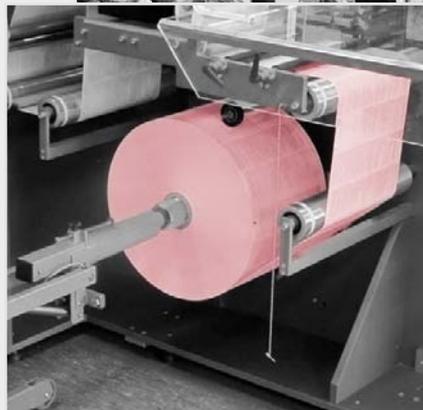
OPPORTUNITIES

Using a Hovmand lifter makes it possible for you to:

- Use larger reels
- Load reels directly into the packaging machine
- Lift and move reels singlehanded
- Place reels high or low without other equipment or help
- Easily pick up reels from a pallet
- Have reels delivered in higher stacks

EFFICIENCY

Using larger reels means reduction of necessary reel changes. You save time; one person can do the work and you limit process down time. You make more efficient use of your storage facility: the reels may be stacked higher, and sourcing larger reels makes way for lower foil prices. In most cases, your Hovmand lifter will increase your efficiency and minimise costs at the same time.



▶ SIMPLE TOOLS FOR REELS

Equip your Hovmand lifter with a boom or V-block and solve your lifting and moving tasks simple, easy and straightforward.

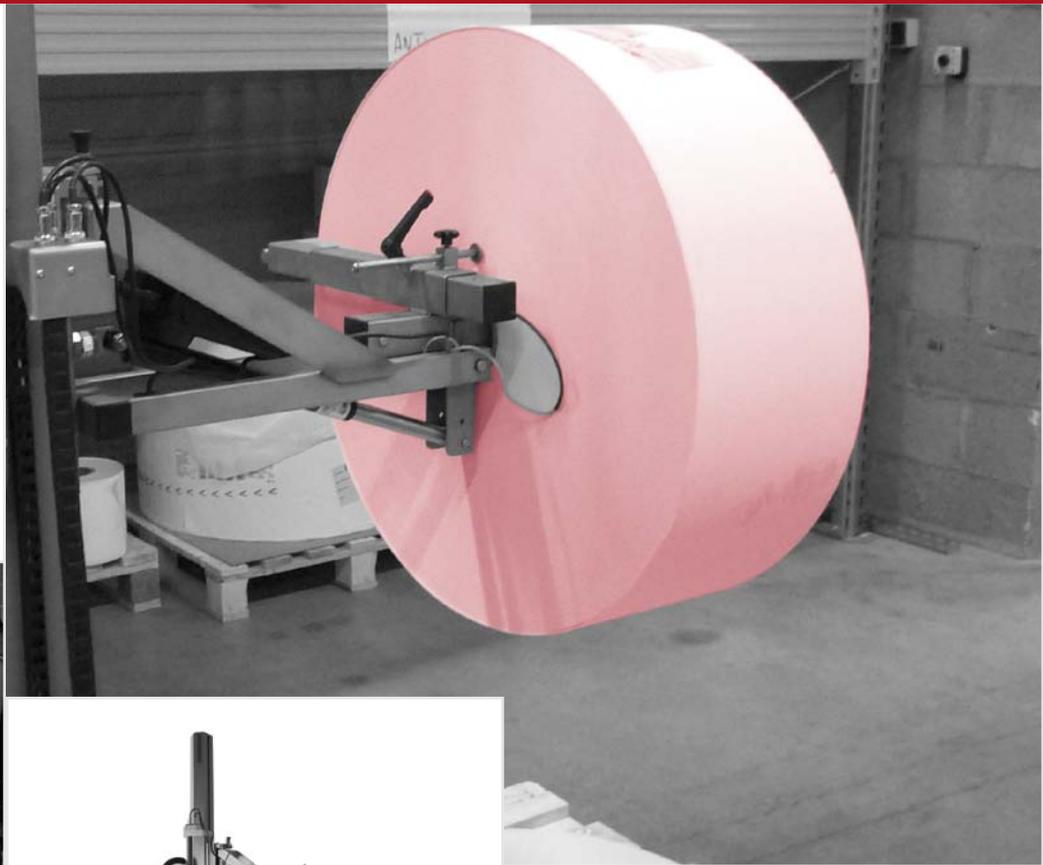
A lifter with a boom or V-block provides you with a simple and intelligent solution for handling your reels. The booms and V-blocks come in different shapes and sizes, as do the lifters, making it possible to suit almost any task where you need to move and handle reels.



▶ GRIPPING IN THE CORE

With a Hovmand reel manipulator you grip the reel by its core and move, lift and manipulate it anyway you need to.

With the reel manipulator, you grip the reel by its core with expanding grippers and manipulate it anyway you need to suit your process. The number of options in design, dimensions and accessories makes it possible to build a lifter for almost any moving and lifting situation.

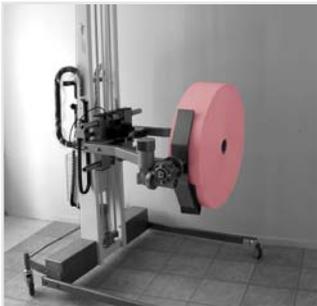




▶ GRIPPING OUTSIDE THE REEL

With Hovmand's Tip & Turn functionality, you lift, move and handle the reels by gripping them from the outside.

The versatility and adaptability of Hovmand lifters make it possible for you to handle reels by gripping them from the outside and manipulating them – manually or electrically. With the options in size, design and accessories we can help you enhance almost any kind of lifting and moving process.



▶ OTHER IMPORTANT APPS

With the right Hovmand lifter you are able to increase the efficiency of your tool changes, inspections and maintenance significantly.

Tool changes, inspections and maintenance procedures in your production process can be made more efficient and easy when applying a Hovmand lifter.

The versatility of the design of the lifters and accessories makes it possible to tailor-make a lifter for almost any process-related task – also, as an example, making storing and handling of tools not in use a breeze.

