

- ▶ Practical
- ▶ Safe
- ▶ Independent



Jumbo

PATENT
PENDING

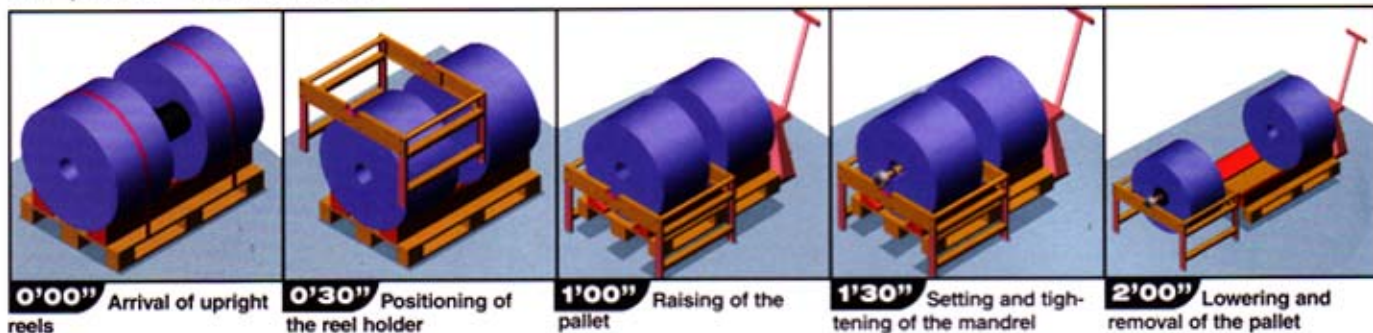
Simple handling of reels from 200 to 800 Kg

The lasting success of the Additif "Jumbo" system confirms its advantages as tool for improving the use of large diameter reels. Indeed, the handling of reels that can weigh as much as 800 Kg becomes an easy and quick task. An important improvement in productivity is therefore obtained by reducing dead times, thanks to longer reel duration and shorter replacement times. The investment in a "Jumbo" reel holder Additif, will allow you to considerably improve the performance of your production tool.

ADDITIF
SYSTEMS LEPLUSACTIF

Not simply a reel unwinder but a total concept to improve the use of large diameter reels.

1st phase reel holder



0'00''

Arrival of upright reels

0'30''

Positioning of the reel holder

1'00''

Raising of the pallet

1'30''

Setting and tightening of the mandrel

2'00''

Lowering and removal of the pallet

2nd phase unwinder



0'00''

Transport of the reel holder to the thermoforming machine

0'30''

Positioning of the reel holder beside the machine

1'00''

Extraction of the telescopic guides

1'30''

Lowering of the reel holder, removal of the forklift truck and insertion of the reel holder.

2'00''

Film passing through. The system is ready to run.

► Made up of two parts

1st element

Set of two reel-holders, to help prepare one reel whilst the machine is still working.

The reel holder is designed according to the dimensions of European or standard pallet (it depends on the reel diameter) and is used to:

- transfer the reel from the pallet without using a specific handling system
- transport the reel to the machine with a forklift truck.

2nd element

The unwinder, to be set up behind the thermoforming machine, for:

- lateral loading of the reel holder
- positioning, adjusting, driving and breaking of the reel.

► Advantages

- Easy and quick setting up on any thermoforming machine, either new or existing.
- Right-hand or left-hand lateral loading.
- In-line positioning under a slicing machine, a belt conveyor or elevator
- Optimising space allocation.

Productivity: no more production interruptions and less film scrap.

Hygiene: reduced personnel movement and absence of pallets in the production area.

Safety: easy handling of big reels in total safety.

JUMBO 800,1000,1200

Loading of a thermoforming machine with a jumbo reel.

The reel can be changed at the side by telescopic guides : either on the front or on the back, either on the left or on the right.

To change a reel we need no place round the jumbo system.

Reel descriptions :

- Diameter max. 800 /1000/1200 mm
- Clingfilm wide : min.260 / max.620
- Mandrel : 76 or 152 in diameter

Specifications :

- Frame made in stainless steel
 - Legs of the frame are adjustable and made in stainless style
- **Telescopic guides made in stainless steel**
- Other parts made in stainless steel and polyamid plastic
- Screws made in 18/10 stainless steel
- Rollers guide and tighten the film
- Drive of the film by current motor drum
- Current power 220V single phase by variable speed controller
- **Delivered with two reel holders made in stainless steel**
- **Two mandrels of quick tightening made in stainless steel**

(So , the operator can change a reel when the thermoforming machine is working.)

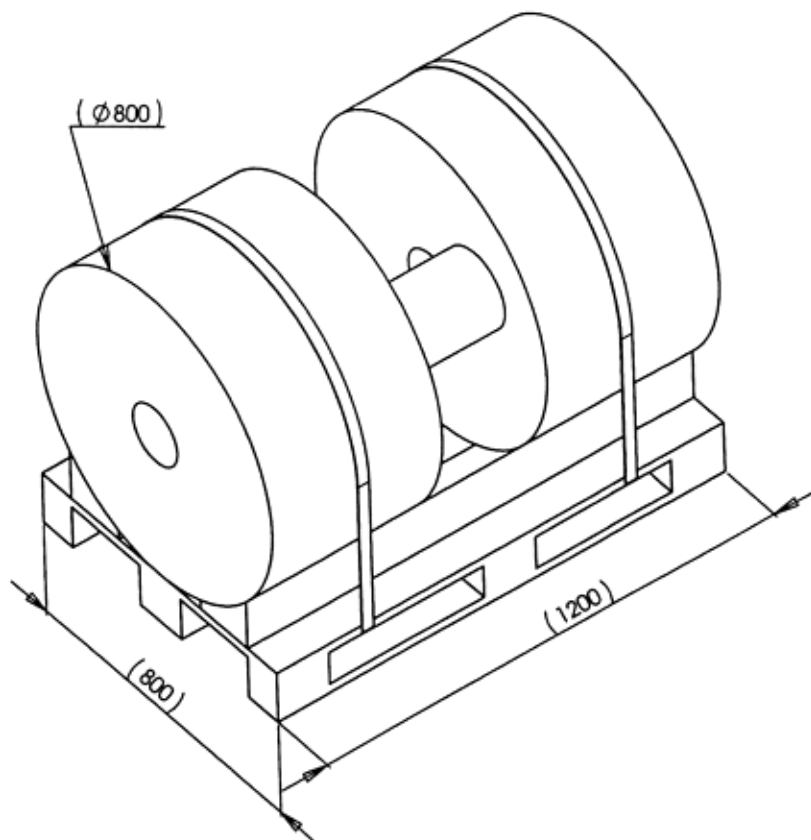
JUMBO system is made of two parts :

A) The moving part to carry the reel :

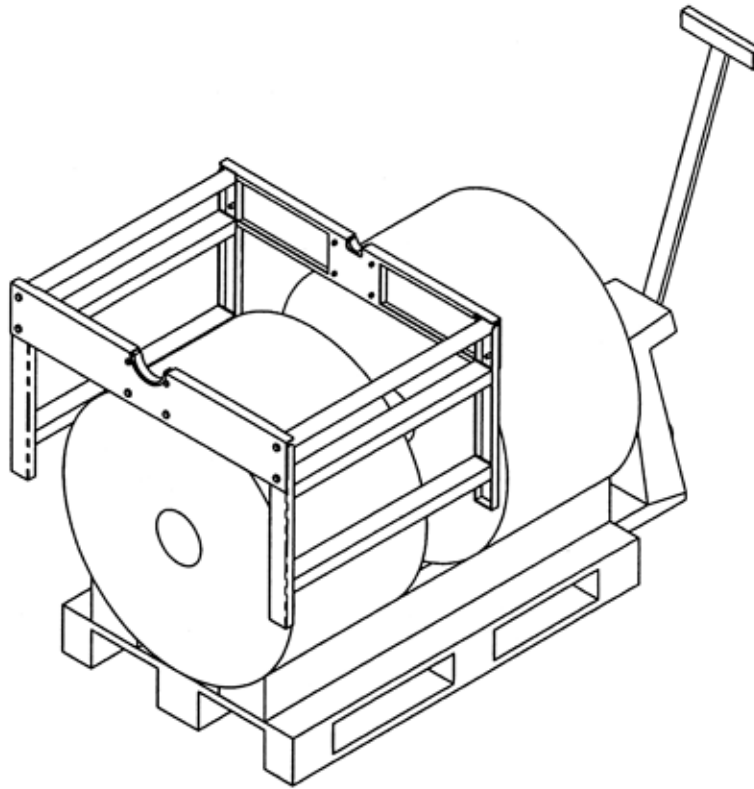
The reel holder could have the dimensions of a current or an european pallet : it depends of the reel diameter :

- The reel is directly set on the reel holder without handling system,
- The reel holder is carried to the machine with a fork-lift truck.

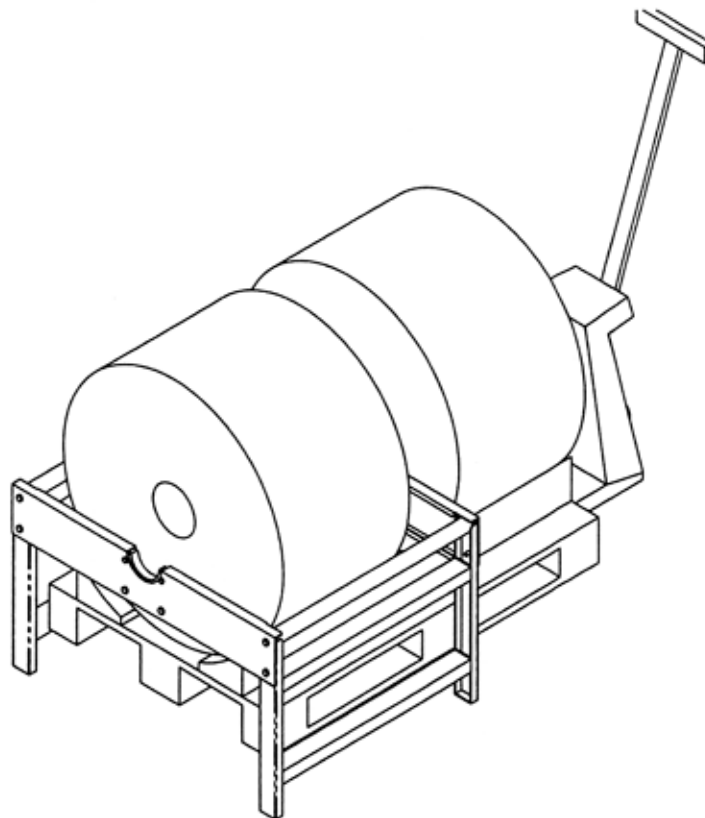
The Jumbo system is delivered with two reel holders : so the reel could be changed during the working of the thermoforming machine.



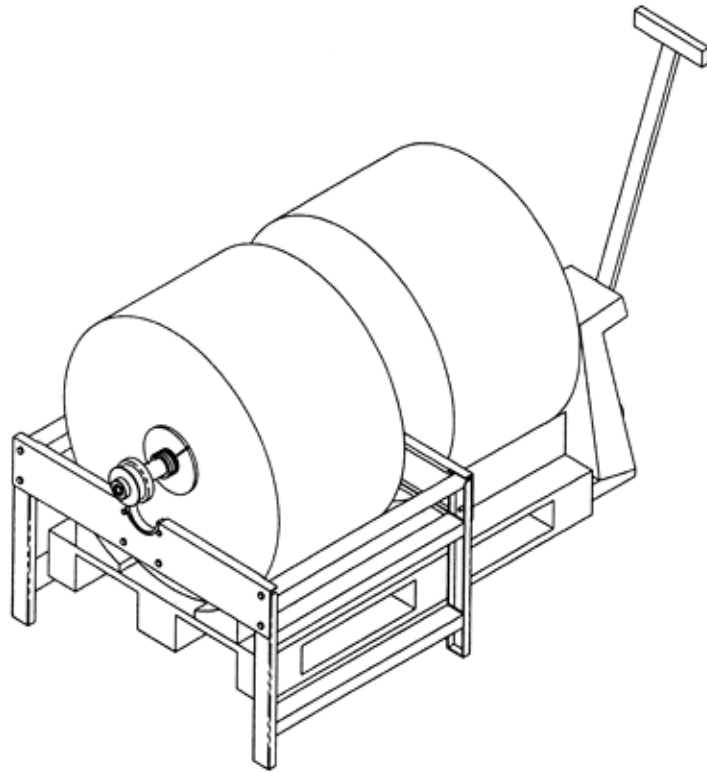
0'00" Arrival of upright reels



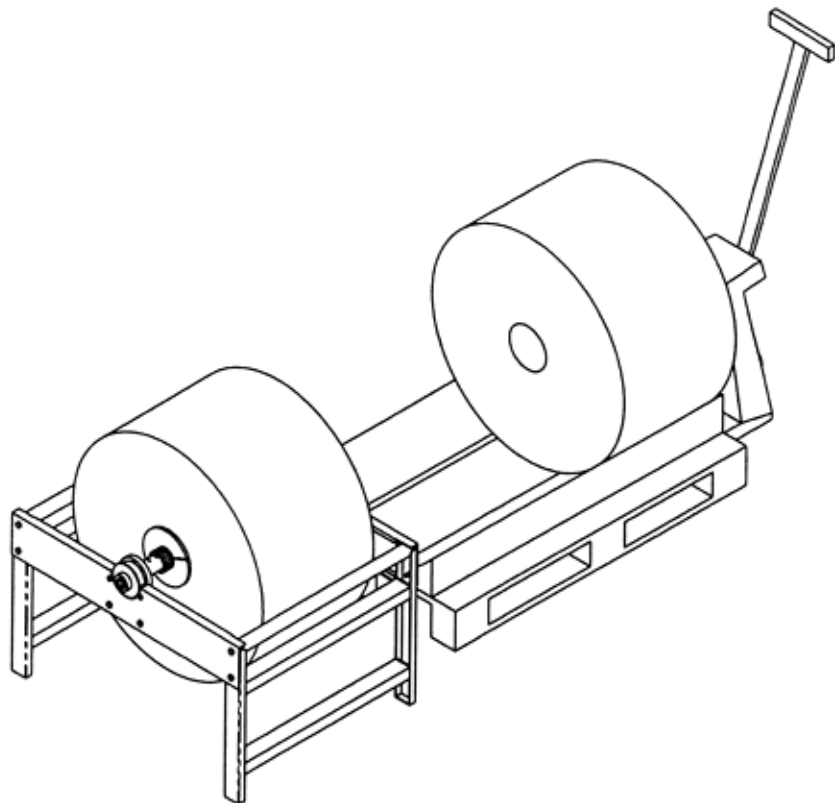
0'30" Positioning of the reel holder



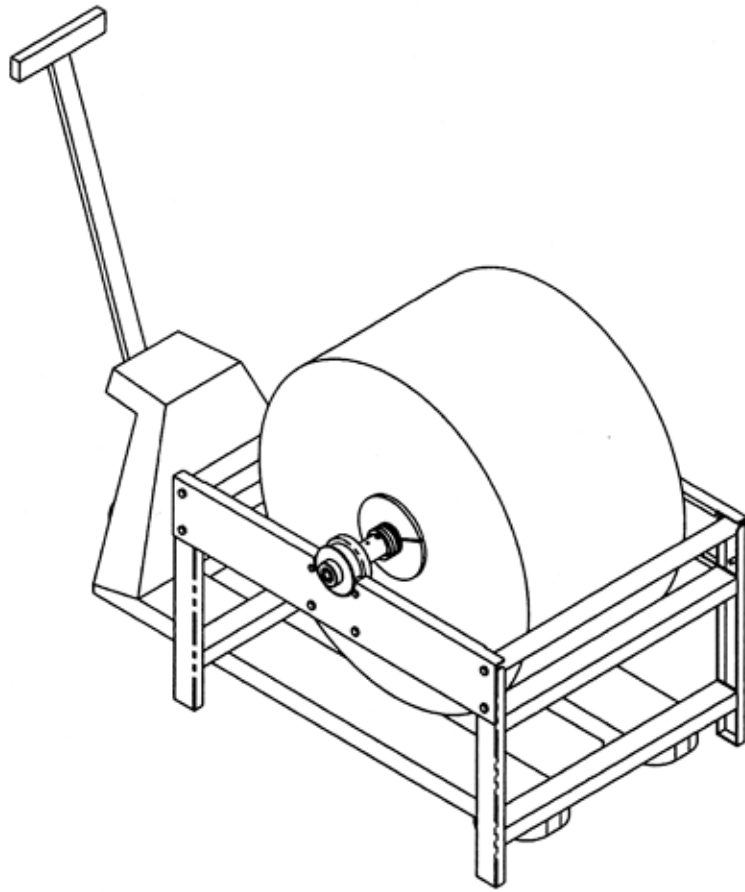
1'00" Raising of the pallet



1'30" Setting and tightening of the mandrel

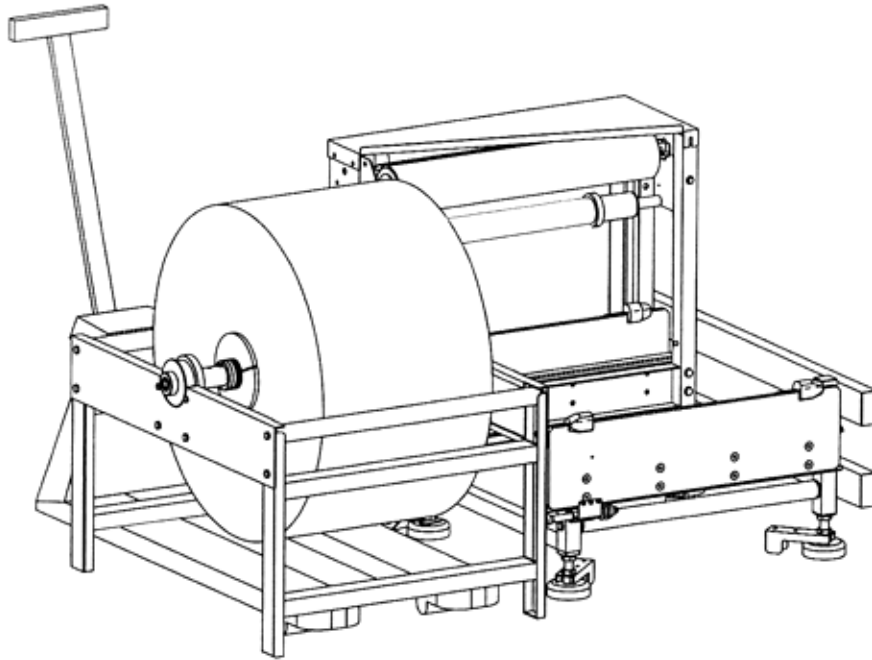


2'00" Lowering of the pallet

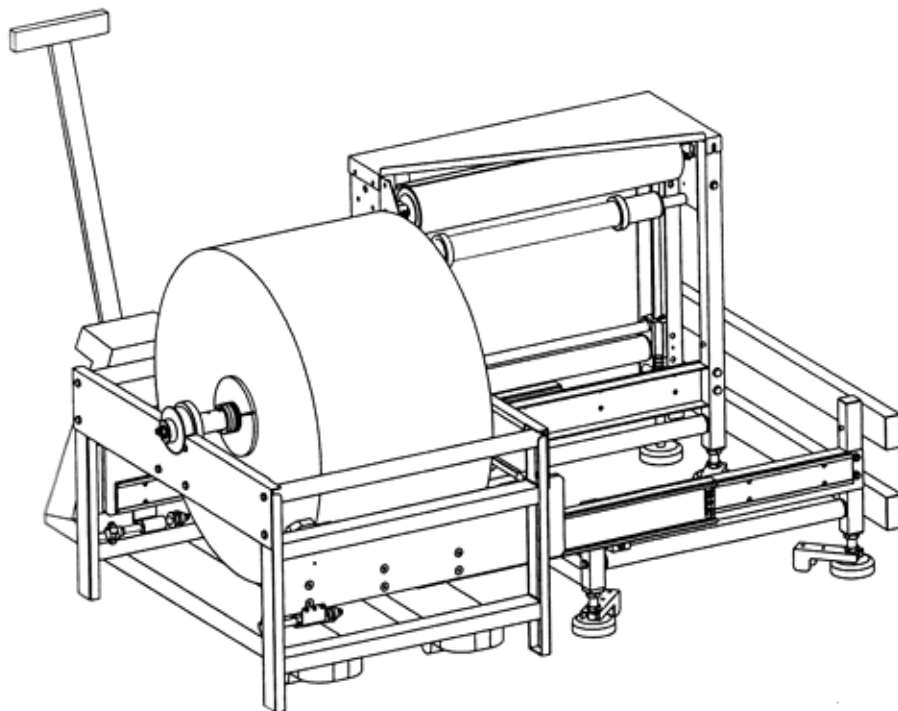


0'00" Transport of reel holder along the machine

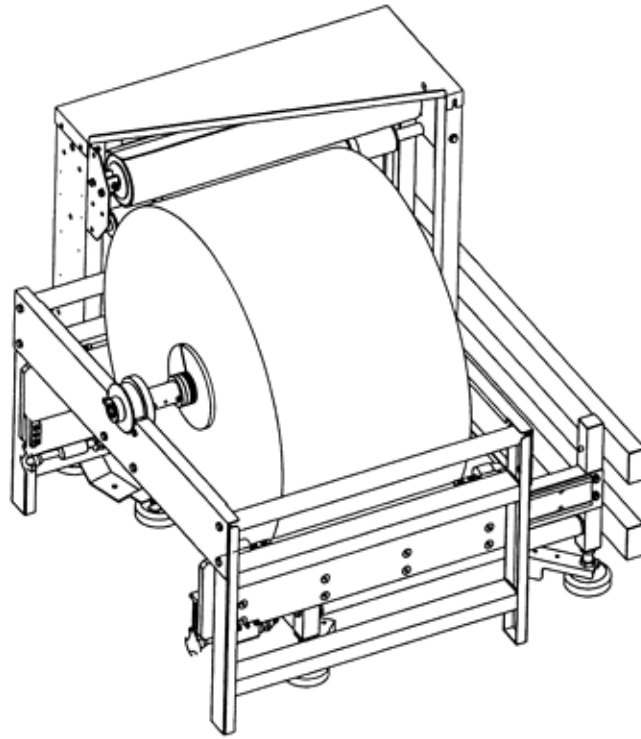
B) The fixed part set up behind the thermoforming machine.



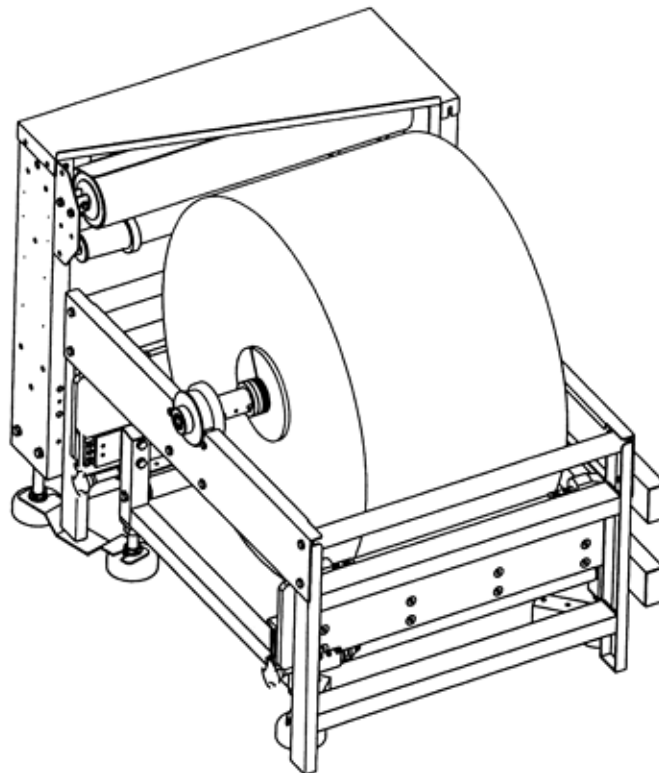
0'30" Positioning of the reel holder along the machine.



1'00" Removal of the telescopic guides



1'30" Move down the holder, take off fort-lift truck and thrust the reel holder



**2'00" Clingfilm passing through and ajustement :
the system is ready to run**

CHOOSING THE RIGHT JUMBO SYSTEM

The following parameters should be taken into account when deciding on the size of system required :

- Minimum space required behind the thermoforming machine :
 - minimum 1135 mm for a roll of diameter 800 mm
 - minimum 1315 mm for a roll of diameter 1000 mm
 - minimum 1515 mm for a roll of diameter 1200 mm.
- Minimum height required behind the thermoforming machine :
 - minimum 965 mm for a roll of diameter 800 mm
 - minimum 1165 mm for a roll of diameter 1000 mm
 - minimum 1365 mm for a roll of diameter 1200 mm.

- Roll sizes available from your supplier :

In France suppliers can produce rolls of 1000 mm in diameter for a film thickness greater than 600 microns. Most of them are also able to supply rolls of between 700 and 800 mm diameter for a film thickness lower than 600 microns.

800 mm diameter rolls are easily transported on a standard european pallet (an important criteria when making your choice). Your film supplier can provide you with all necessary information.

- Ratio of size to weight :

For ease of handling, the weight to size ratio of the rolls should be limited by taking the film density into account. For this purpose please note that polyvency film has a higher density than polystyrene film.

For more detail please refer to enclosed chart.

- Running time :

If for example you have a running time of eight hours or more with an 800 mm diameter roll there is no obvious need to increase this to 1000 mm.

The Jumbo system is equipped with 2 reel holders to allow for a 2nd roll to be loaded into place while the machine is running. The change over to a new roll then takes only 3 minutes .

As a rule we install 800 mm or 1000 mm systems for rigid film, 800 mm for non-rigid and semi-rigid film, and very occasionally 1200 mm systems for low density heavy film.

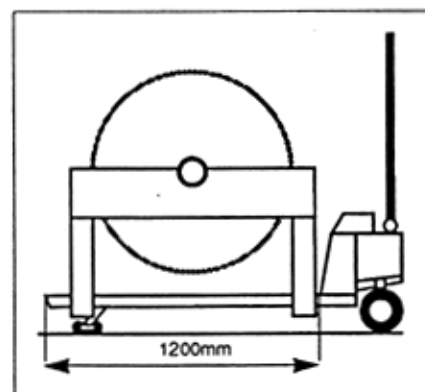
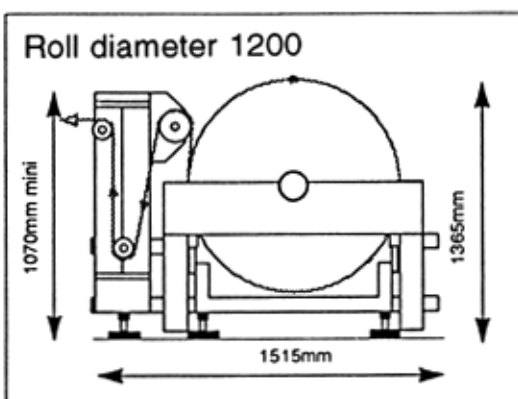
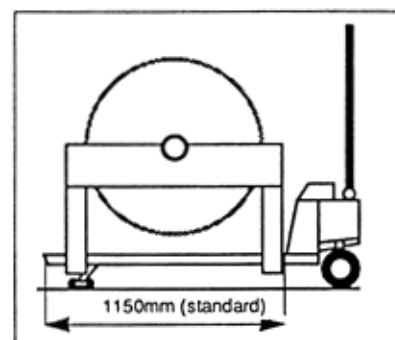
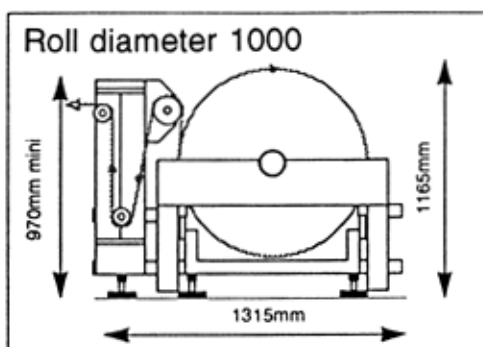
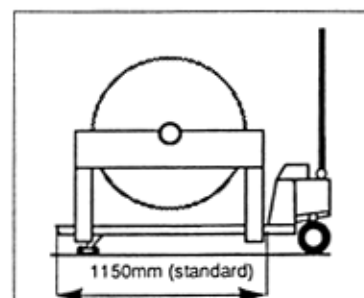
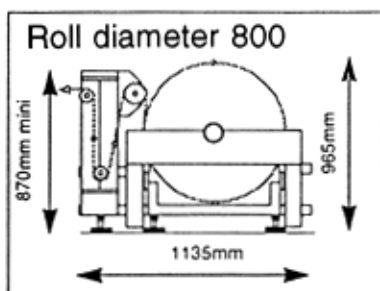
- Transport of the reel holder to the thermoforming machine :

800 and 1000 mm roll holders can be transported using a standard forklift truck (minimum fork length : 1150 mm).

1200 mm roll holders require a larger forklift truck (minimum fork length :1350 mm).

Floorspace

Transport of the roll



Example of weight and length of the roll according to diameter,width and thickness of the film

For a PVC film.

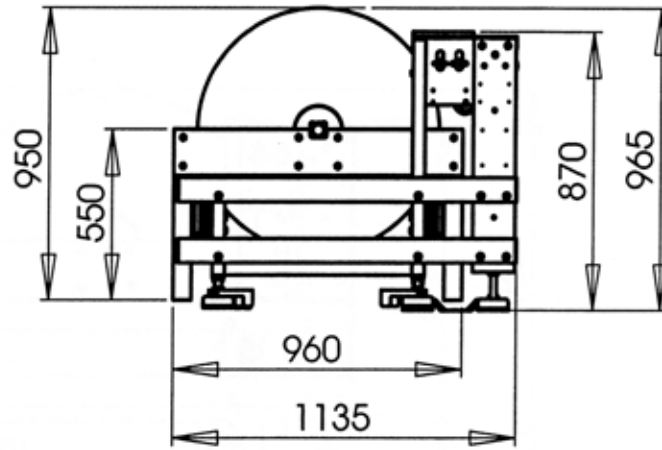
Mandrel (6 inches) Weight to the width

Roll diameter in millimeter	weight in kilogram					
	325 mm	360 mm	420 mm	455	550 mm	560 mm
350	38	42	49	50	64	66
450	69	76	88	90	116	117
600	129	143	166	169	218	222
800	235	262	305	309	399	406
1000	374	414	483	489	631	644
1200	542	600	700	709	917	934

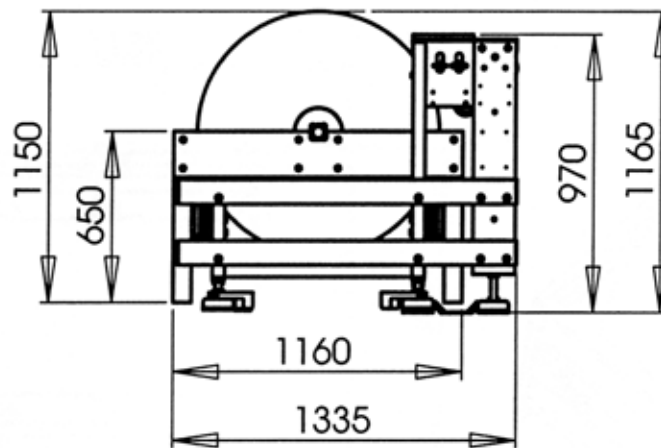
Mandrel (6 inches) Length to the thickness

Roll diameter in millimeter	length in linear metre					
	300 microns	450 microns	600 microns	800 microns	900 microns	1000 microns
350	260	173	130	98	87	78
450	470	313	235	176	157	141
600	882	588	441	331	294	265
800	1615	1077	807	606	538	484
1000	2557	1705	1279	959	852	767
1200	3709	2473	1854	1395	1236	1113

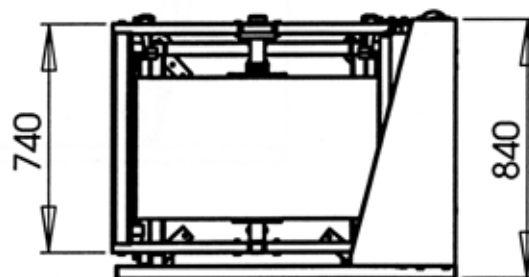
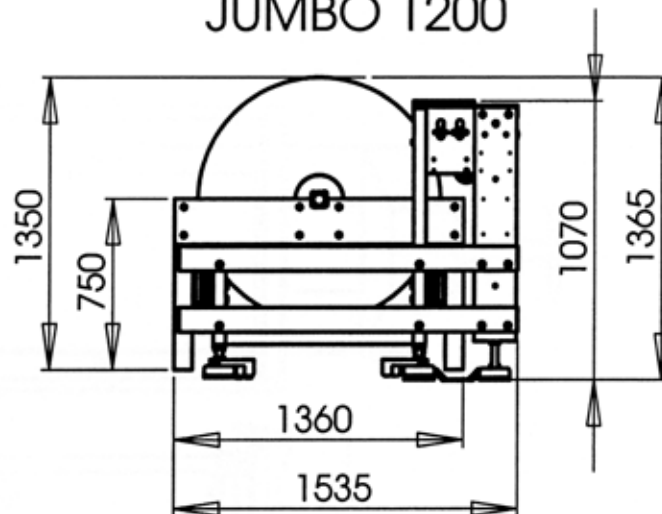
JUMBO 800



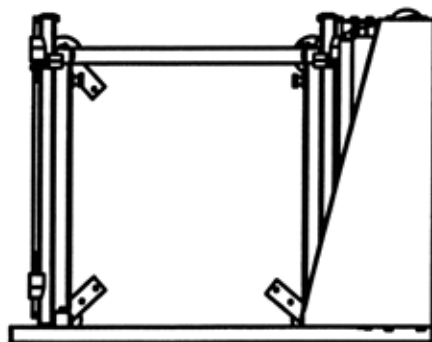
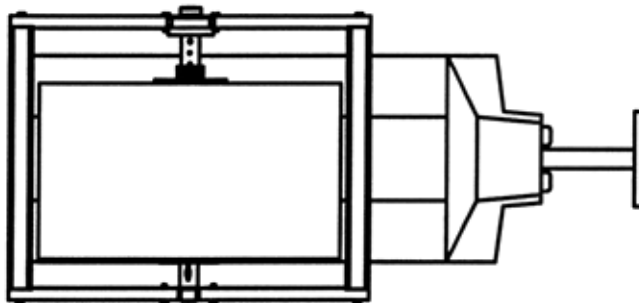
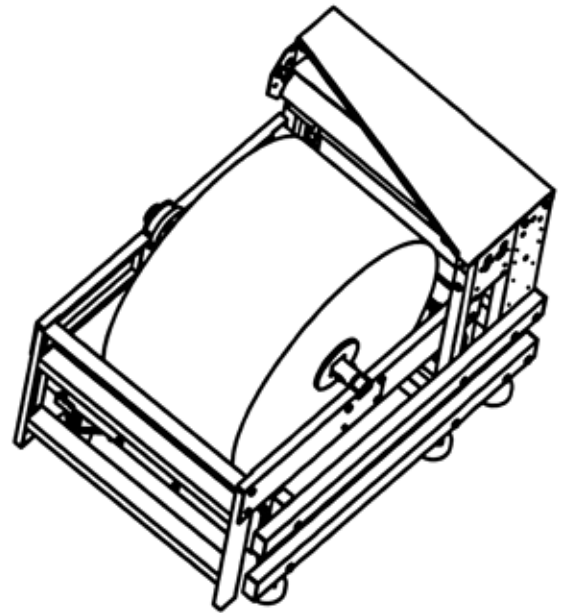
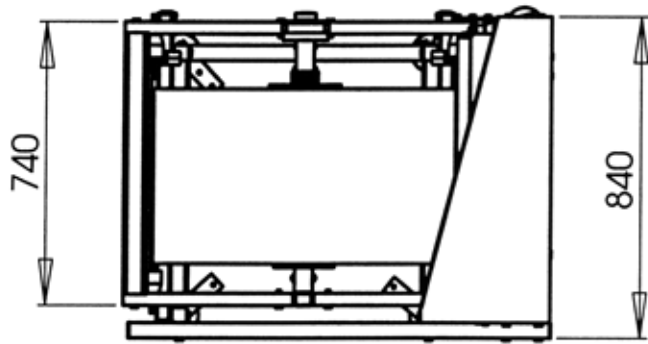
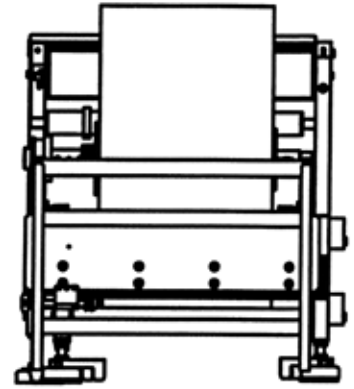
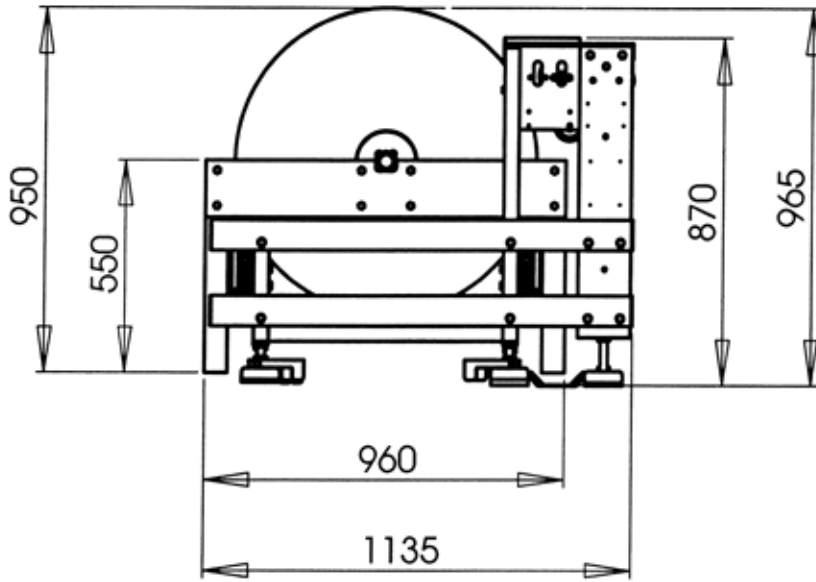
JUMBO 1000



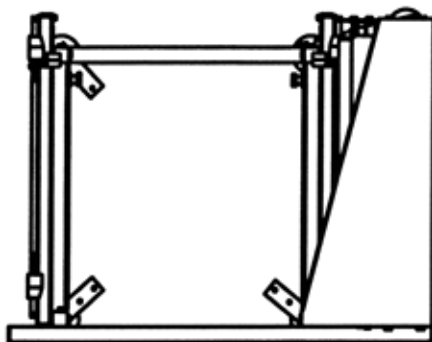
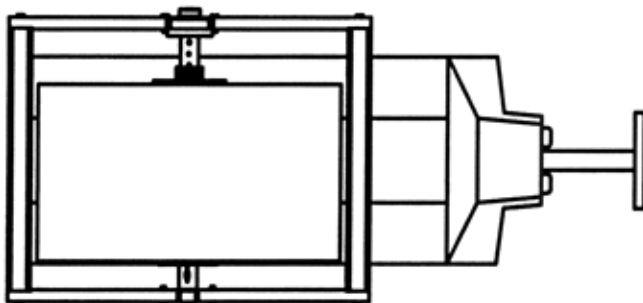
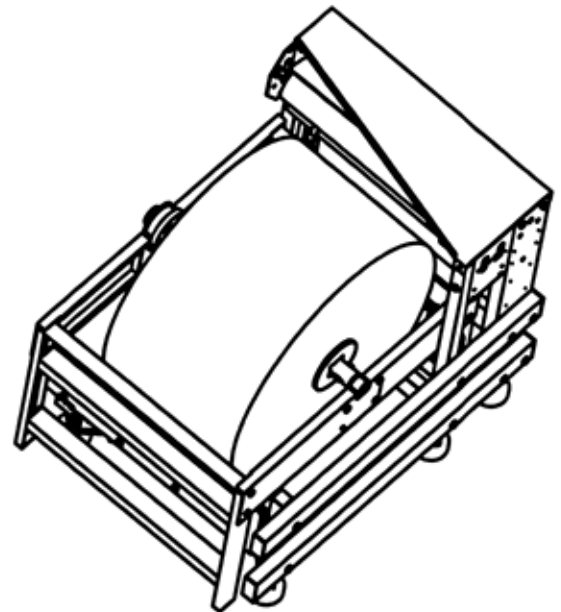
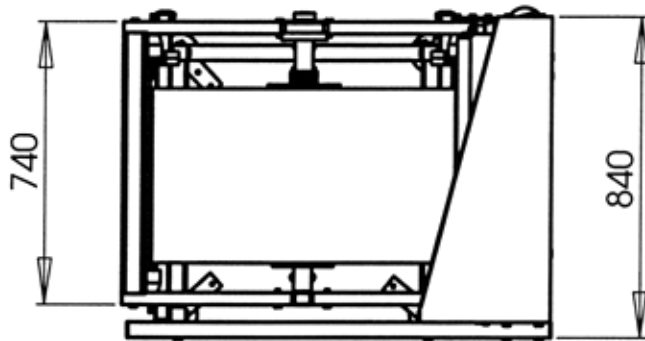
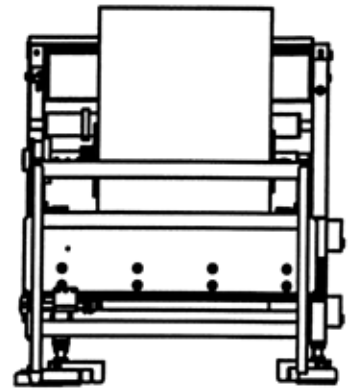
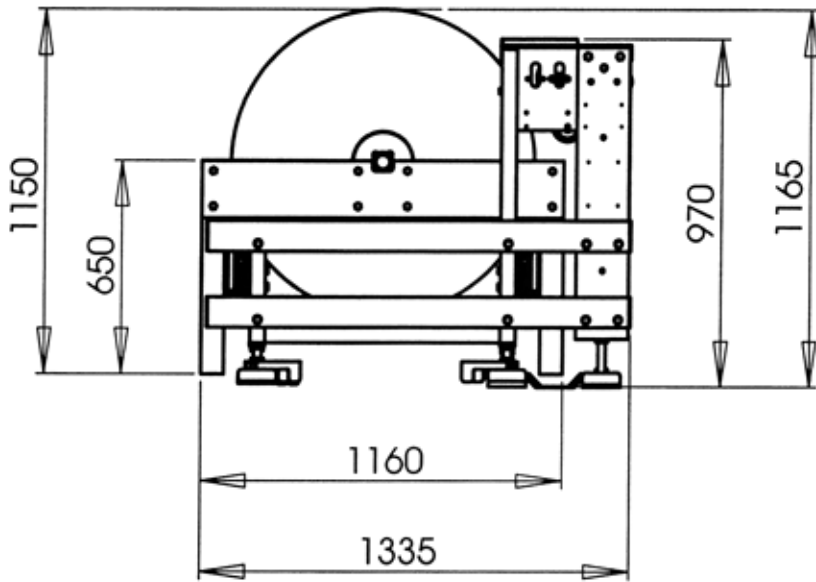
JUMBO 1200



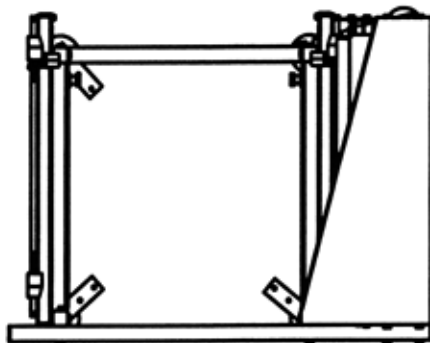
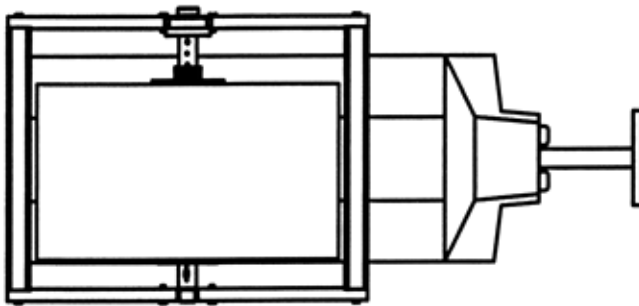
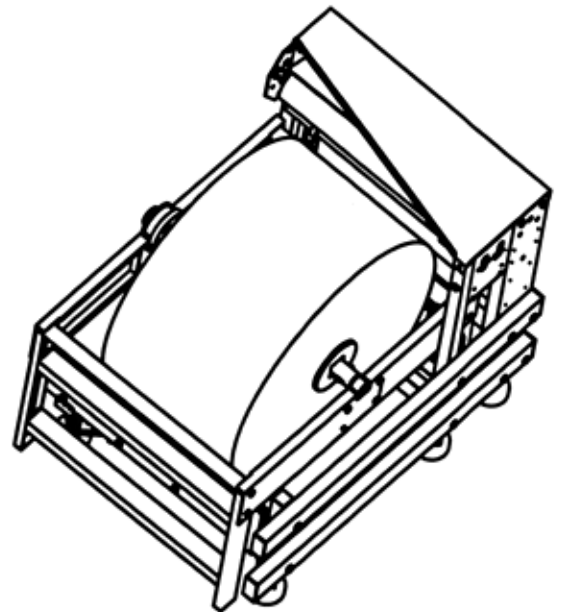
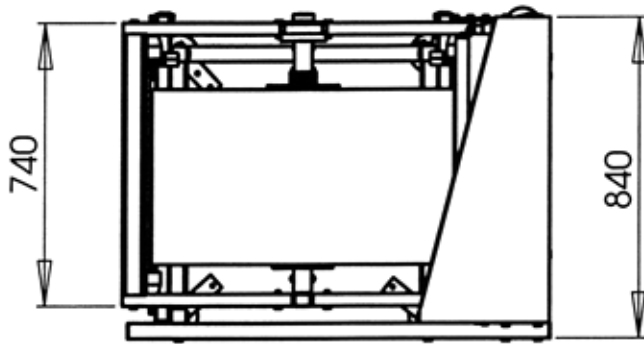
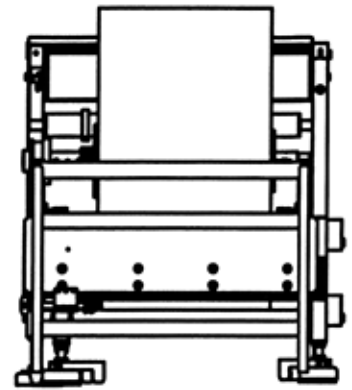
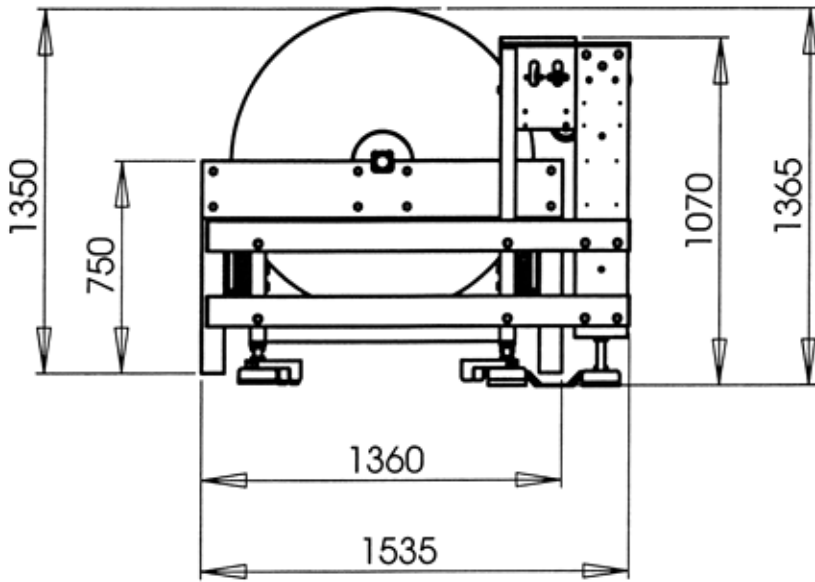
JUMBO 800



JUMBO 1000



JUMBO 1200





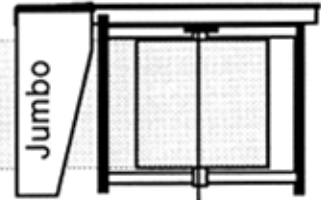
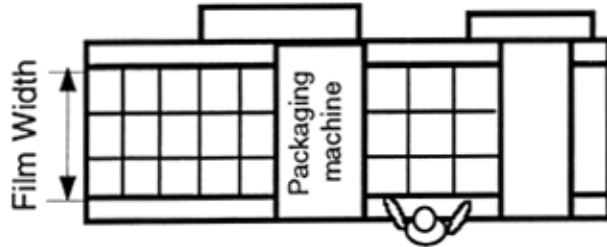
Choice of Loading Side

Indicate the technical data and Specification of Film

DATE	
CUSTOMER	
Project	
DELIVERY	



Standart Loading Side



Diameter Reel :	800
Diameter Reel :	1000
Width Film :	
Diameter Reel - Shaft :	6"
Diameter Reel - Shaft :	3"



Opposite Loading Side-Mirror

