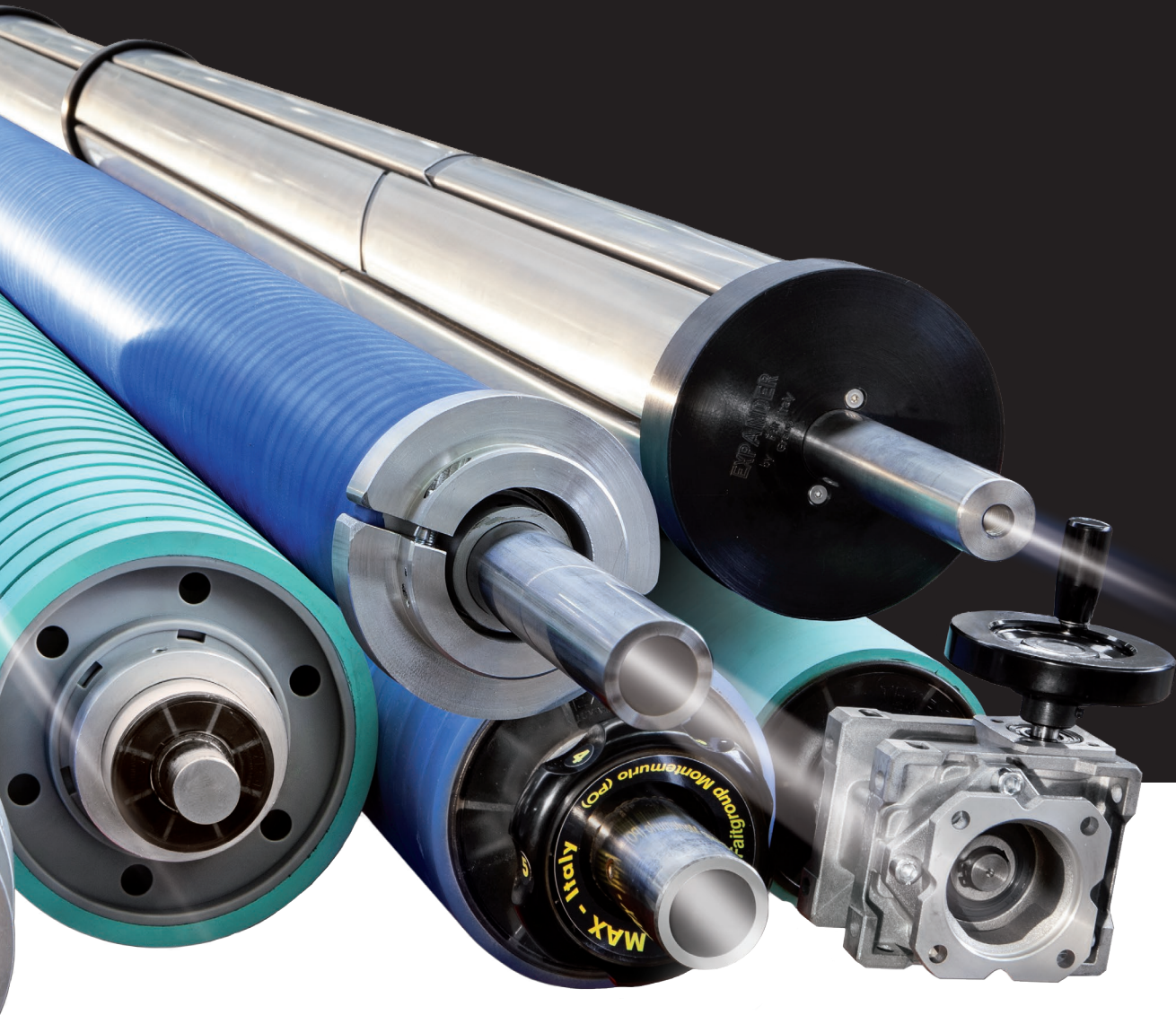




 MEMBER OF DEXIS EUROPE



SPREADER ROLLERS

MADE IN ITALY



**THE WIDEST RANGE OF
SPREADER ROLLERS FOR EVERY NEED.**

FAIT GROUP company has been operating in the spreader roller applications since 1976. The constant proximity and collaboration with the users allowed to develop a wide range of products suitable to cover every field of application: textile, tanning, paper, plastic film and to meet the customer's need in order to provide performing, reliable, safe products with low maintenance and easy installation.

FAIT GROUP operates in the constant search for improvement of the quality and performance of its spreader rollers in terms of product and in terms of services offering support to the choice of the optimal roller, fast deliveries and efficient after-sales service.

HEADQUARTERS IN OSTE-MONTEMURLO (PO) ITALY

OUR SPREADER ROLLER RANGE



ROLLFLAT	6
ROLLFLAT	7
ROLLFLAT QUOTATION FORM	7

ROLLMAX	8
ROLLMAX "SMART"	8
ROLLMAX "COMFORT"	9
ROLLMAX "FLEXIBLE WINGS"	9
ROLLMAX "DRY & WET "	9
ROLLMAX "WET & CHEM"	10
ROLLMAX SMART QUOTATION FORM	10
ROLLMAX COMFORT, FLEXIBLE WINGS, DRY & WET QUOTATION FORM	10
ROLLMAX 158 QUOTATION FORM	12

ROLLTENSE	14
ROLLTENSE	14
ROLLTENSE QUOTATION FORM	15

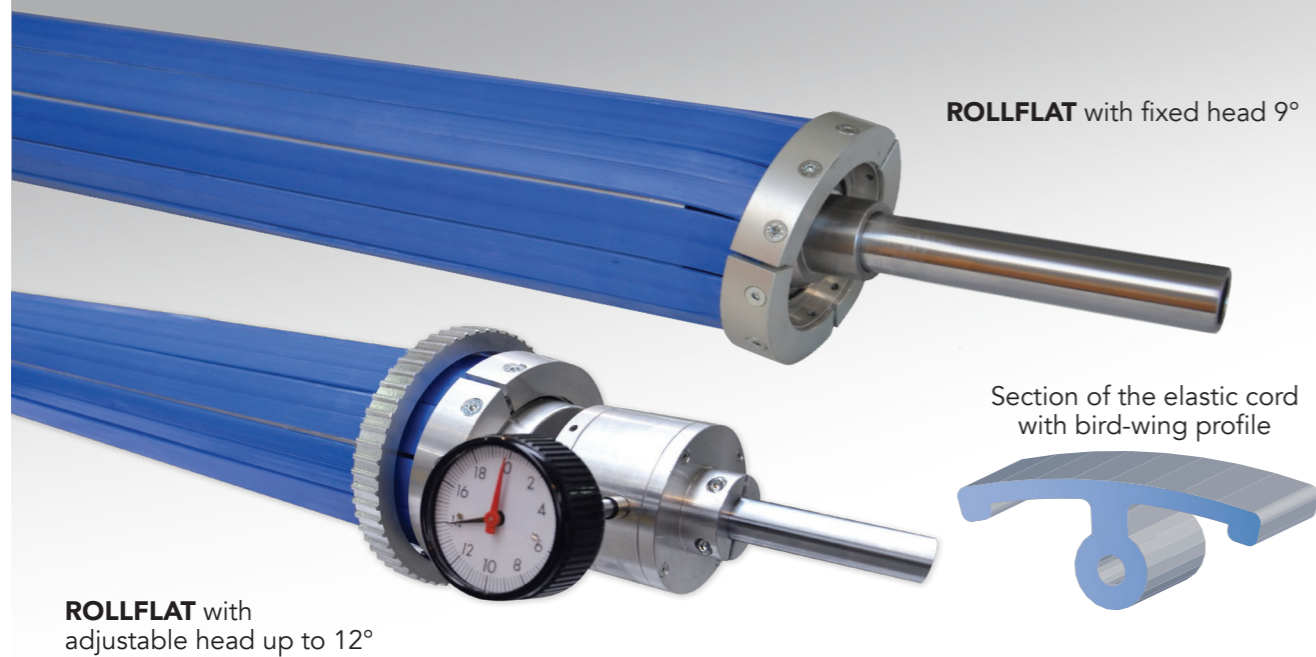
ROLLFLEX	16
ROLLFLEX	16
ROLLFLEX QUOTATION FORM	17

SPIROX	18
SPIROX	18
SPIROX QUOTATION FORM	19

EXPANDER	20
EXPANDER	20
EXPANDER QUOTATION FORM	21

SPREADER ROLLER SELECTION CHART	22
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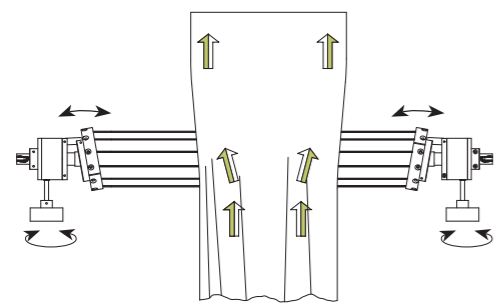
TECHNICAL INFORMATION OF THE APPLICATION	23
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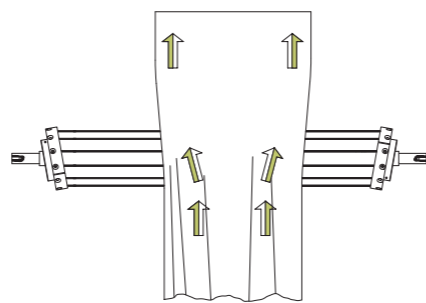
ROLLFLAT is a spreading roller for the textile, tanning, paper, plastic film, non-woven and technical Textiles. ROLLFLAT is composed by an aluminum profile tube with longitudinal grooves that rotates on a shaft; silicone elastic cords with a "bird-wing" profile are installed inside the lots. At the two extremities of the roller body, the elastic cords are fixed to the heads joined with the tube and inclined to it. The tube rotates on a fixed shaft and consequently the elastic cords change their length cyclically, making it possible to stretch the web when in contact with the elastic cords during stretching. The special "bird-wing" profile allows, compared to traditional round cords, to have a bigger contact surface and less rubbing friction, increasing the spreading coefficient and quality of the finished product. At the same time it offers greater resistance to wear and mechanical fatigue. ROLLFLAT guarantees absolute uniformity of tension over the entire surface of the web, avoiding lateral swings. It can be equipped with fixed or variable inclination heads. In the fixed inclination heads the inclination is 9°, while in the variable inclination system it is possible to adjust the inclination of each head independently up to a max of 12° using a graduated hand wheel, in order to change the tension of the elastic cords and optimize the action of the ROLLFLAT on the web.

ROLLFLAT can be supplied in the idle execution driven by the web or in the execution with pulley, driven by the transmission parts of the machinery. To rotate the shaft so to set up the roller in phase with the web, ROLLFLAT can be equipped on request with a gearbox or handwheel.

1.1 ROLLFLAT



ROLLFLAT with adjustable inclination heads



ROLLFLAT with fixed inclination heads

1.2 ROLLFLAT Quotation form

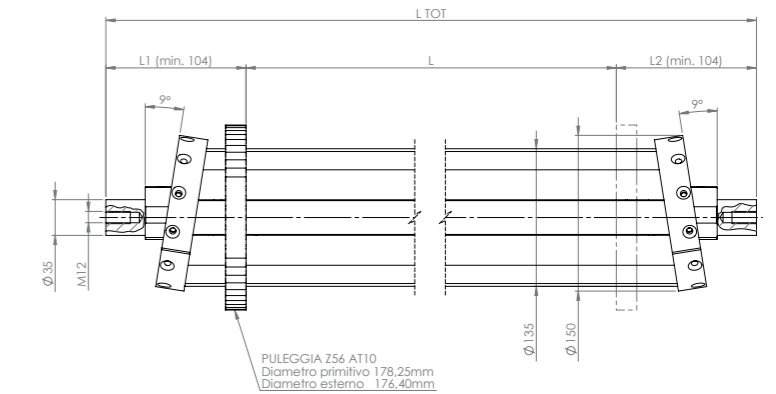
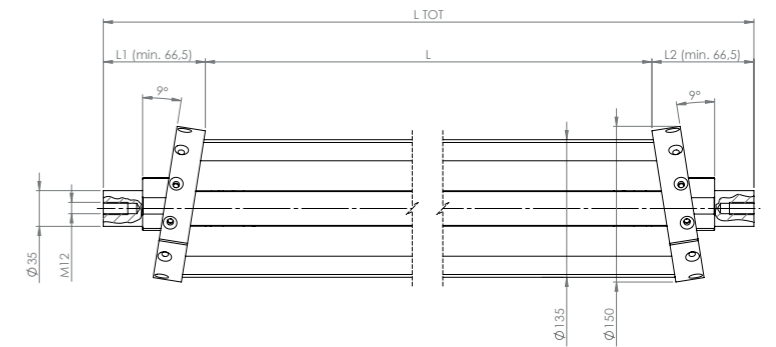
ROLLFLAT with fixed inclination heads

IDLE ROLLER

L: _____
 L1: _____
 L2: _____
 L.TOT: _____

WITH PULLEY

L: _____
 L1: _____
 L2: _____
 L.TOT: _____



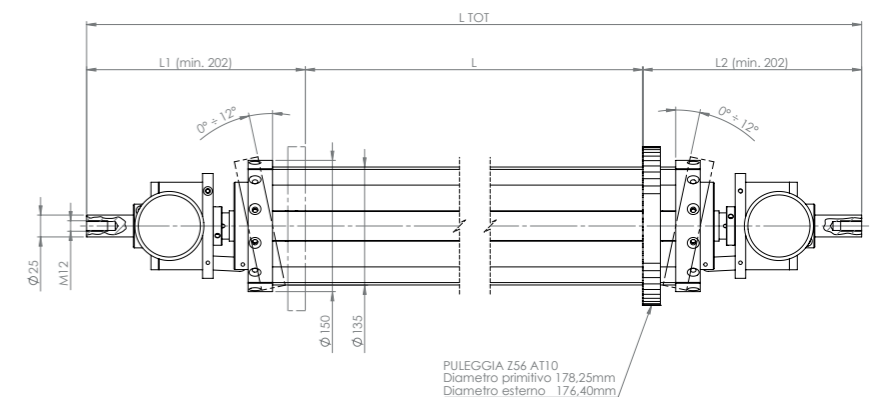
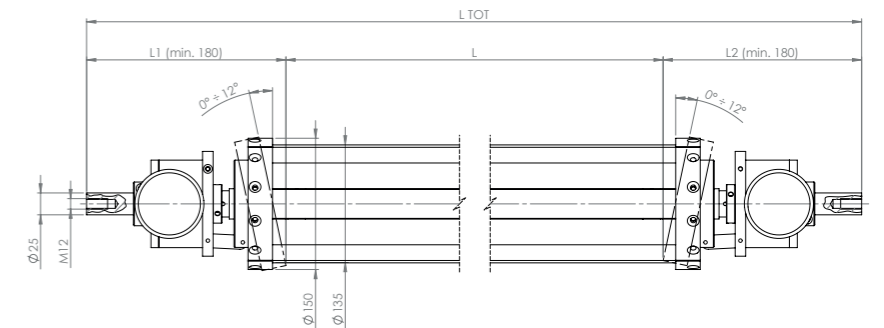
ROLLFLAT with adjustable inclination heads

IDLE ROLLER

L: _____
 L1: _____
 L2: _____
 L.TOT: _____

WITH PULLEY

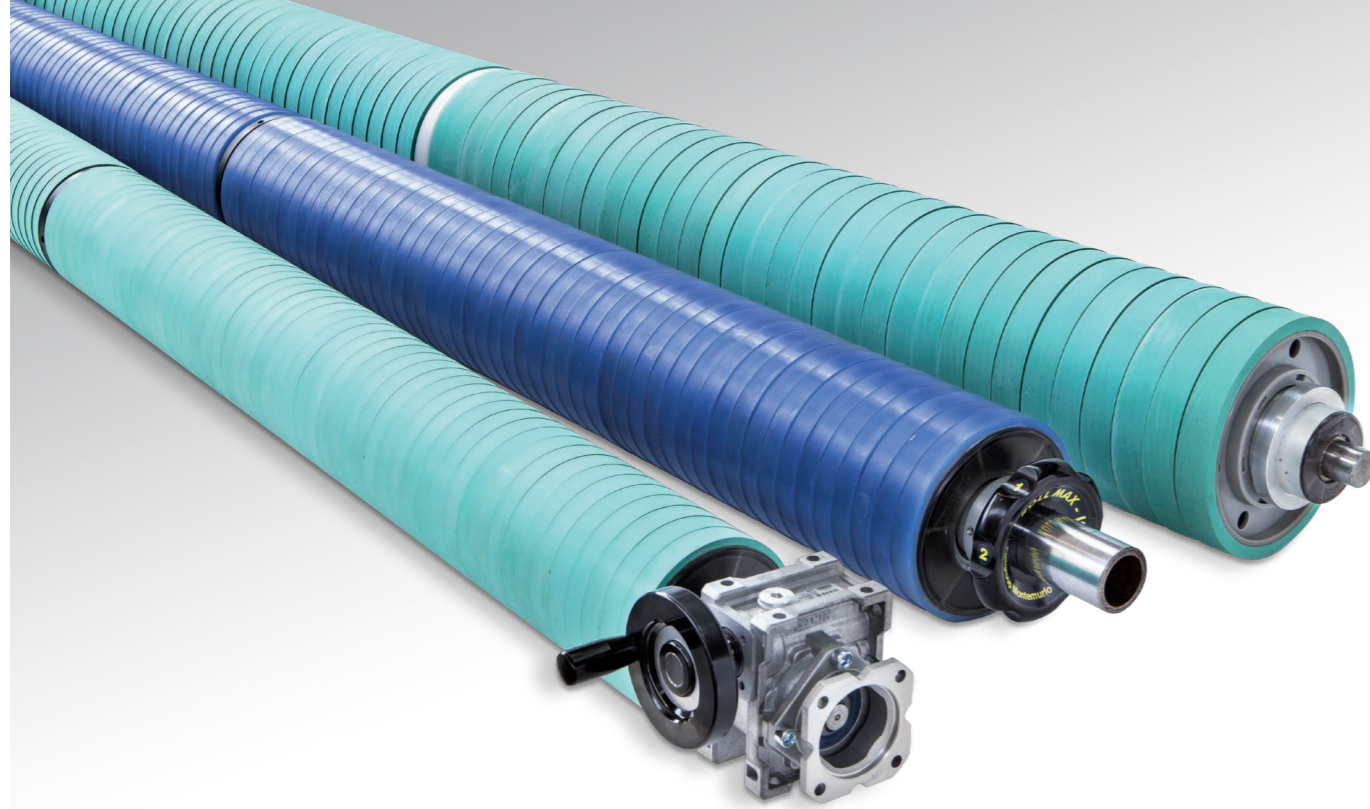
L: _____
 L1: _____
 L2: _____
 L.TOT: _____



WRAPPING ANGLE SET UP ROLLER/WEB

Standard With Handwheel With Gearbox

The drawings above refer to the "Standard" application. For Handwheel or gearbox executions, please contact our Technical Department.



ROLLMAX is a spreading roller suitable for any type of web: fabrics, non woven, plastic films and paper thanks to the wide choice of options (disc profile, diameters, type of rubber compound) that allows to customize the product according to the web specifications. It also has the advantage of reaching high speeds with reduced wrapping angle.

ROLLMAX is created by independent idle discs mounted on a shaft. The disks are driven by the web during machinery operation.

The spreading effect is produced by the discs inclined in the opposite direction to the right and left of the center of the web.

Given its modular construction, ROLLMAX is also suitable for multi-slit applications.

The discs are usually coated with silicone, NBR or with other material may requested by customer.

To rotate the shaft so as to put the roller in phase with the web, ROLLMAX is equipped with a gearbox or an handwheel.

ROLLMAX guarantees absolute tension uniformity over the entire width of the material, avoiding lateral swinging. A central support can be fitted to the ROLLMAX to eliminate deflection in the center of the roll and allow lengths over 6 meters in some execution.

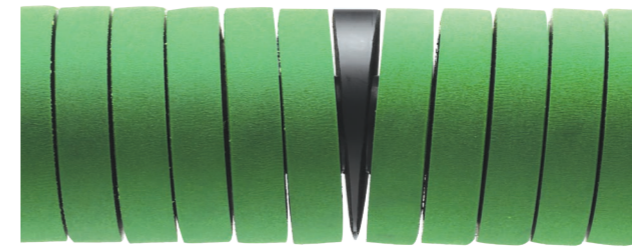
2.1 ROLLMAX "Smart"

It is commonly used to be applied for small web widths or where available space is limited.

- External diameter 45/65 mm
- Discs coated in NBR
- Shaft in steel chromed
- Low friction bearings



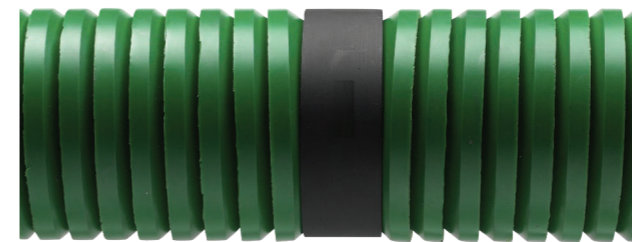
2.2 ROLLMAX "Comfort"



It is the most common type in Textile, filmplastic, non woven, paper industries.

- External diameter 110 mm
- Discs coated in NBR or Silicone
- Shaft in steel chromed
- Low friction bearings

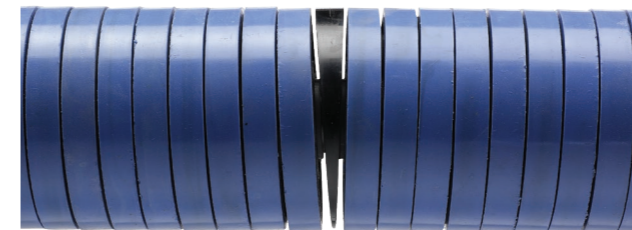
2.3 ROLLMAX "Flexible Wings"



Thanks to the flexibility of the discs edges, it allows to be used in all light applications, especially in the textile, plastic film, non-woven fabric, paper Industry.

- External diameter 125 mm
- Discs with flexible edges coated in NBR
- Shaft in steel chromed
- Low friction bearings

2.4 ROLLMAX "Dry & Wet"



Il risultato ottenuto con il rivestimento in silicone e l'utilizzo di componenti inossidabili consente l'impiego di questo rullo in tutte le applicazioni con presenza di umidità ed acqua.

- External diameter 130 mm
- Discs coated in Silicone
- Shaft in stainless steel
- Acetal resin bearings with stainless steel caged balls

2.5 ROLLMAX "Wet & Chem"



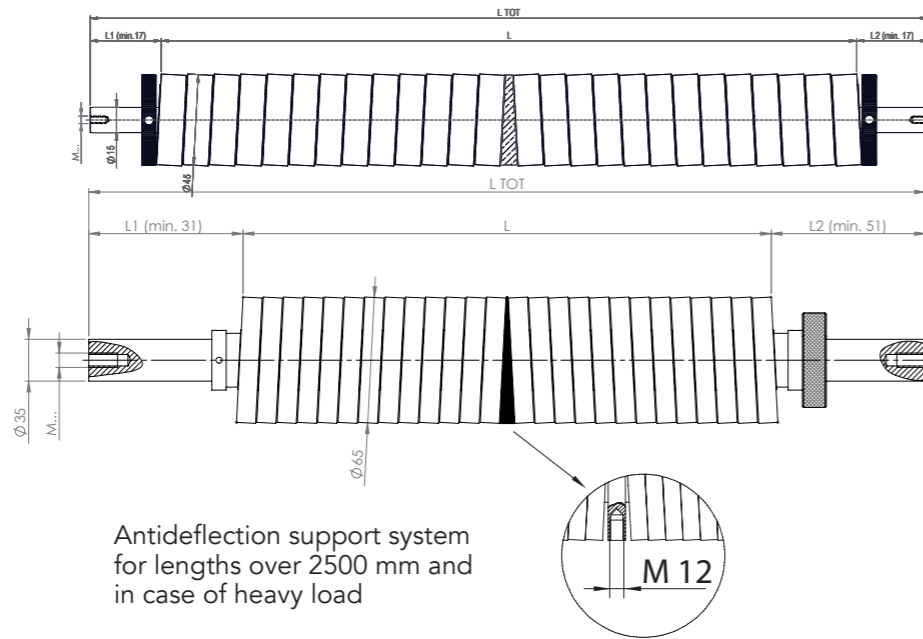
E' consigliato per ambienti umidi e in presenza di agenti chimici.

- External diameter 158 mm
- Dischi cilindrici in resina acetalica rivestiti in NBR
- Acetal resin discs coated with NBR
- Acetal resin bearings with stainless steel caged balls



2.6 ROLLMAX "Smart" Quotation Form

Ø45



Ø65

L: _____
 L1: _____
 L2: _____
 L.TOT: _____

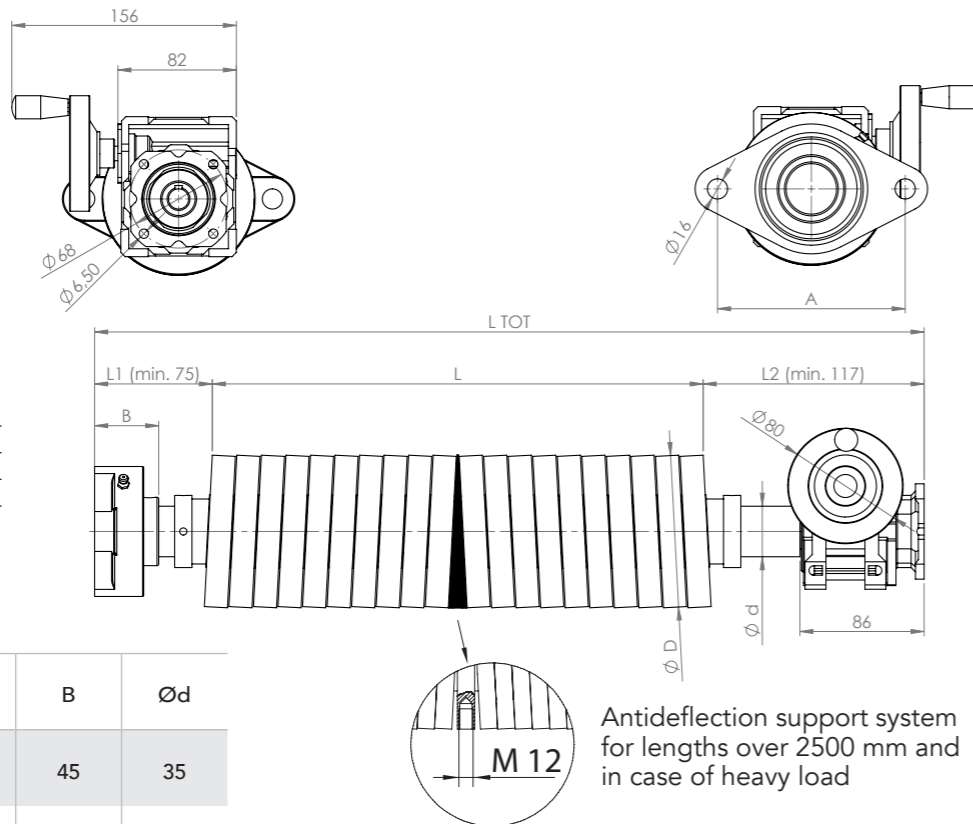
Antideflection support system for lengths over 2500 mm and in case of heavy load

Upon customer request, ROLLMAX can be equipped with customized shafts ends or side supports

2.7 ROLLMAX "Comfort", "Flexible Wings", "Dry & Wet" Quotation Form

SP MODEL

D : 110
 D : 125
 D : 130



L: _____
 L1: _____
 L2: _____
 L.TOT: _____

Antideflection support system for lengths over 2500 mm and in case of heavy load

	ØD	A	B	Ød
Comfort	110	130	45	35
Flexible Wings	125	130	45	35
Dry & Wet	130	114	52	40

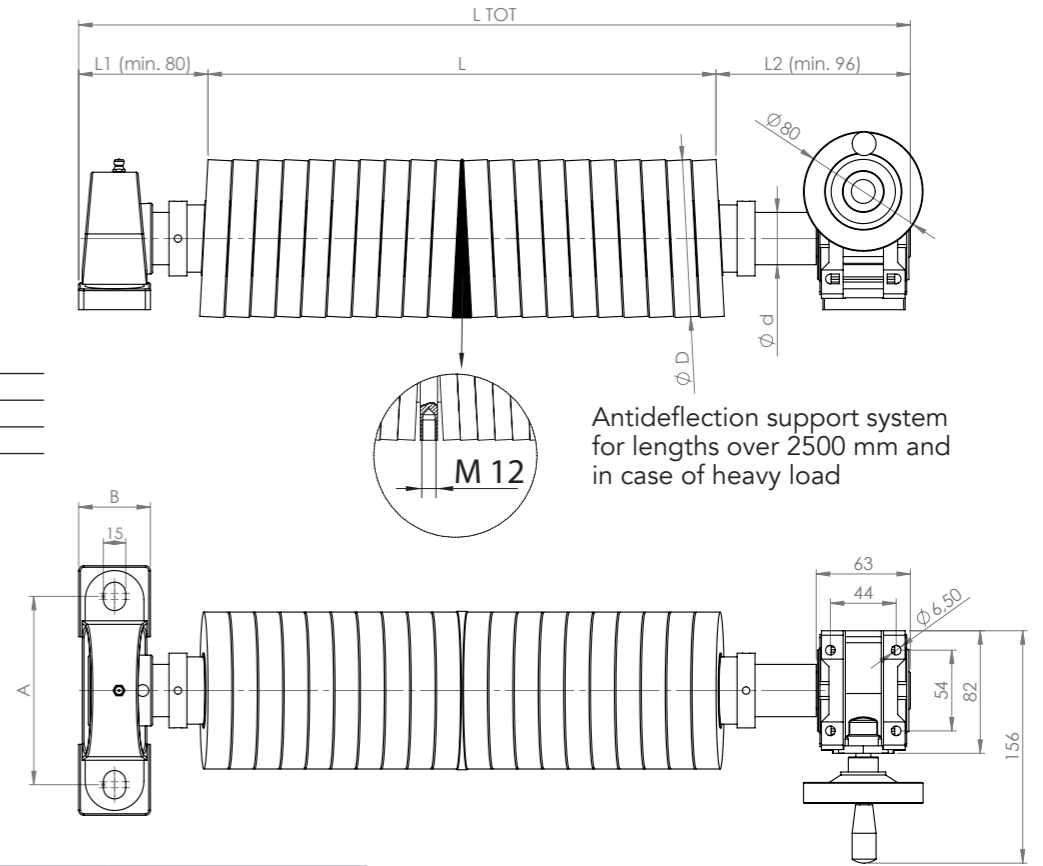
For Comfort type, please select the dics coating required

Silicone NBR

AP MODEL

D : 110
 D : 125
 D : 130

L: _____
 L1: _____
 L2: _____
 L.TOT: _____



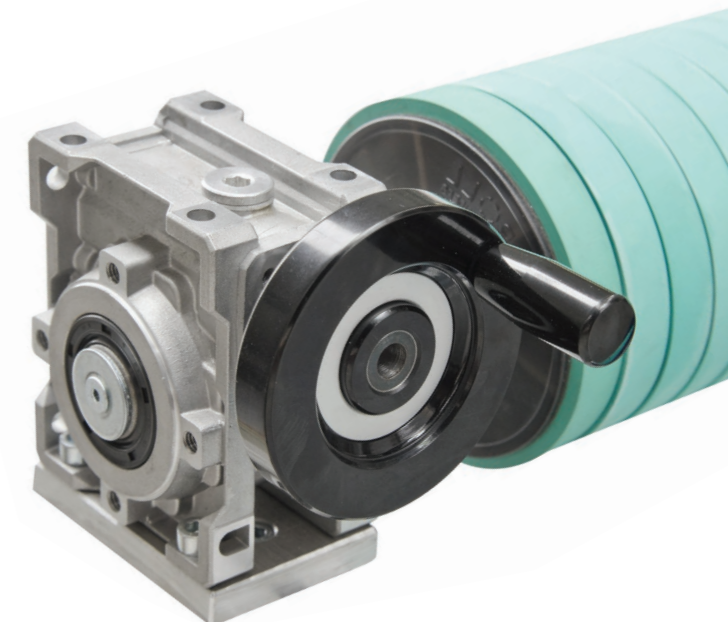
Antideflection support system for lengths over 2500 mm and in case of heavy load

	ØD	A	B	Ød
Comfort	110	126	48	35
Flexible Wings	125	126	48	35
Dry & Wet	130	136	52	40

For Comfort type, please select the dics coating required

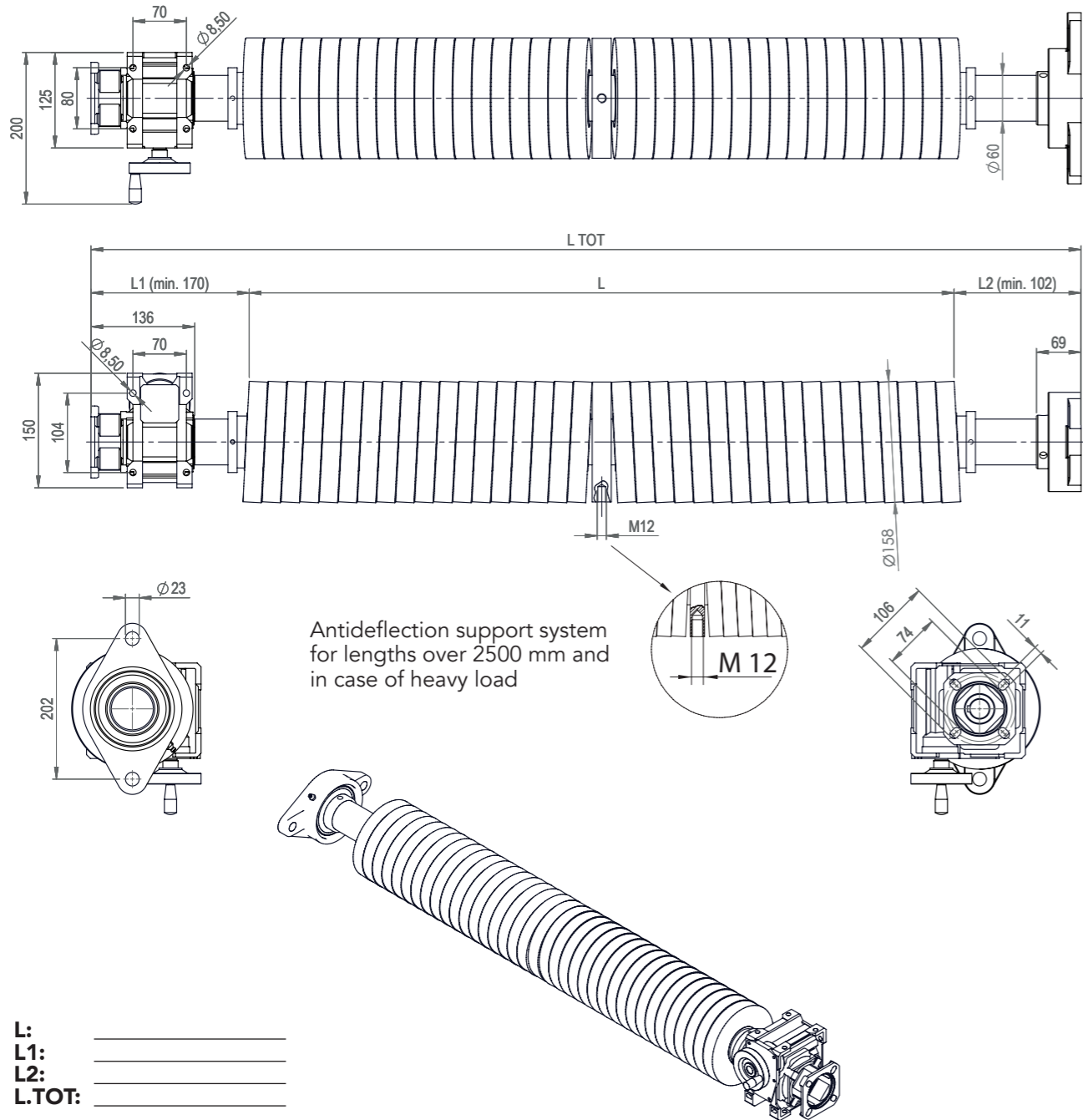
Silicone NBR

Upon customer request, ROLLMAX can be equipped with customized shafts ends or side supports

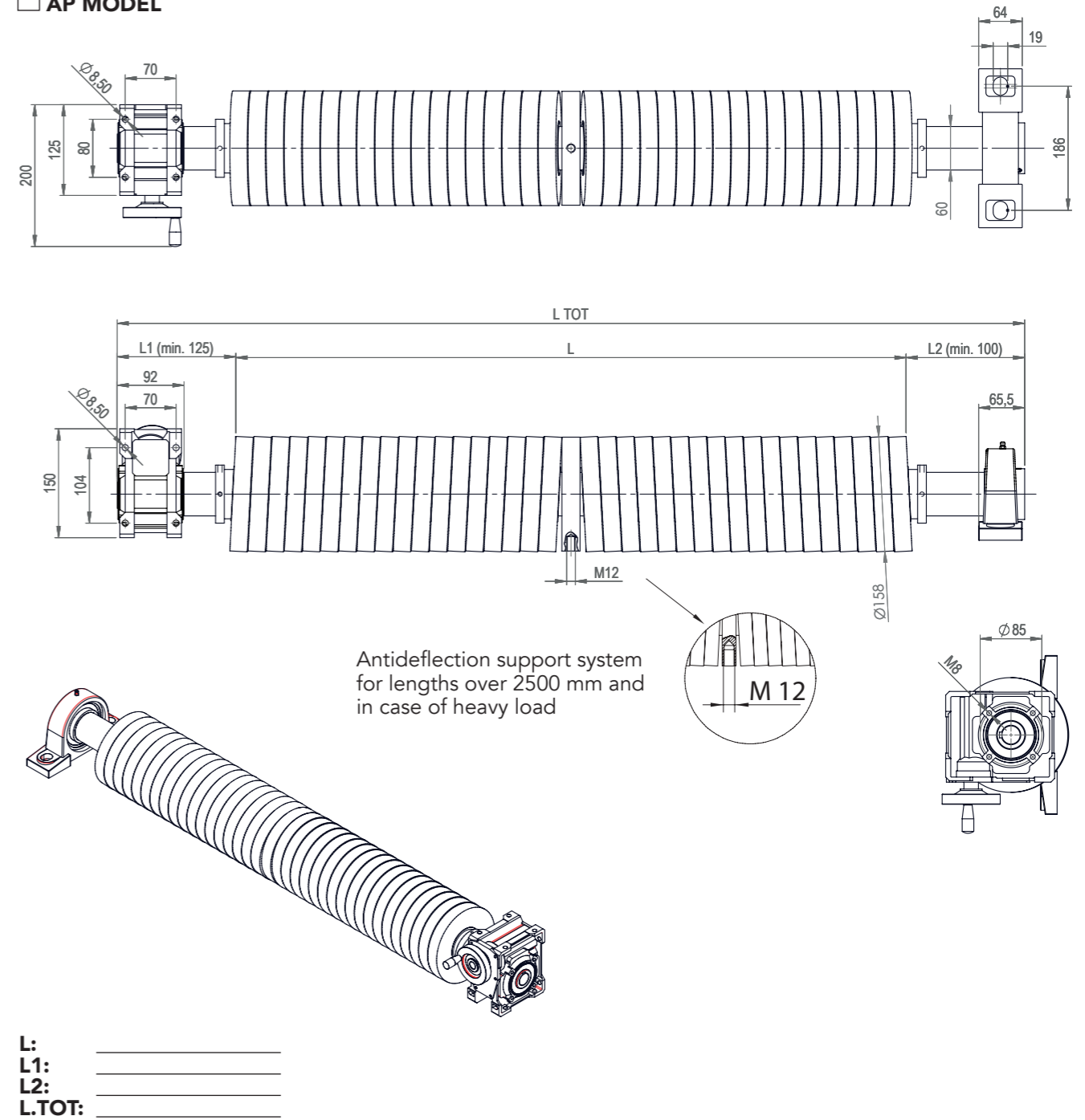


2.8 ROLLMAX "Wet & Chem" Quotation Form

SP MODEL



AP MODEL



Upon customer request, ROLLMAX can be equipped with customized shafts ends or side supports

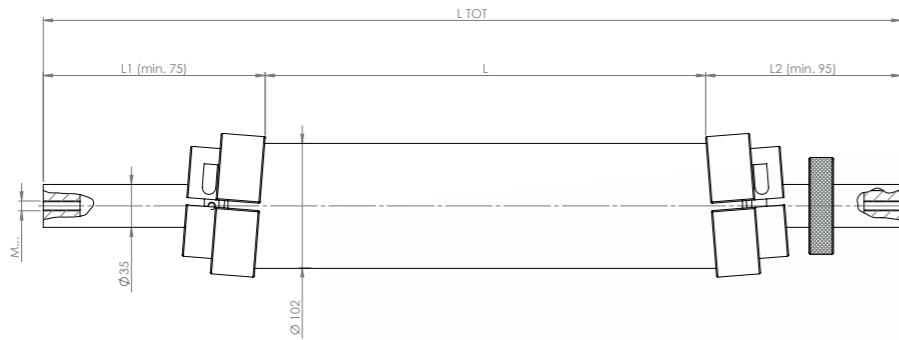


3.1 ROLLTENSE

ROLLTENSE is a spreading roller whose construction is similar to ROLLMAX with the difference that the coating consists of a single silicone sleeve tensioned by the side flanges. This feature makes it particularly suitable for applications in the presence of water or dust and it helps the cleaning operation.

3.2 ROLLTENSE Quotation Form

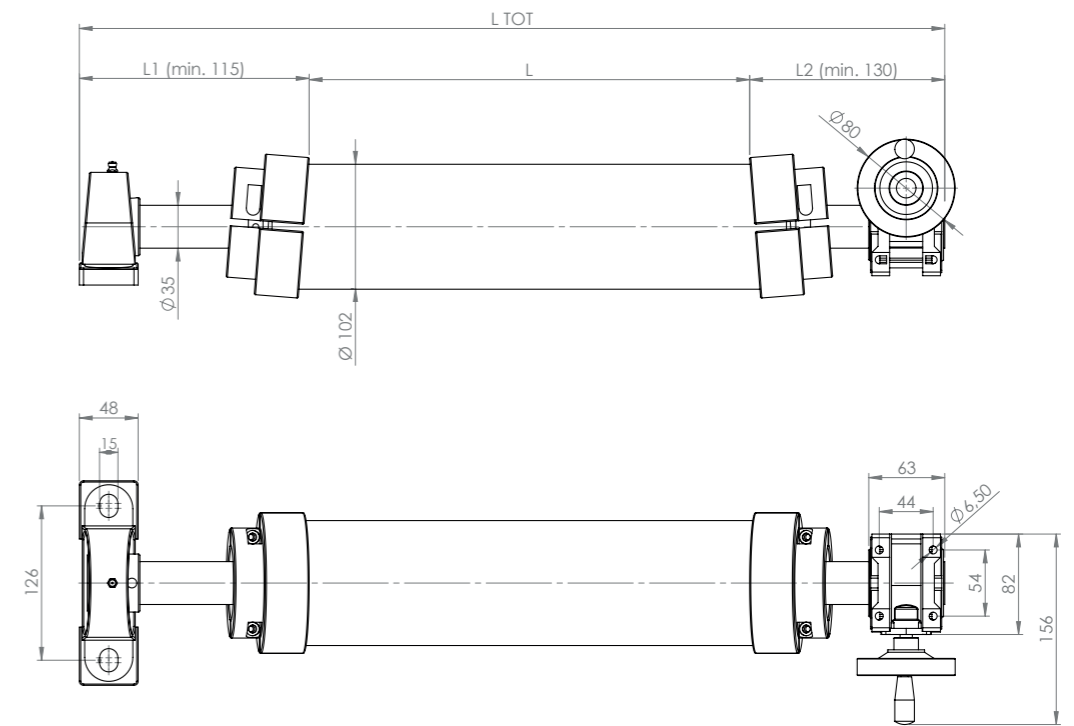
HANDWHEEL MODEL



L: _____
 L1: _____
 L2: _____
 L.TOT: _____

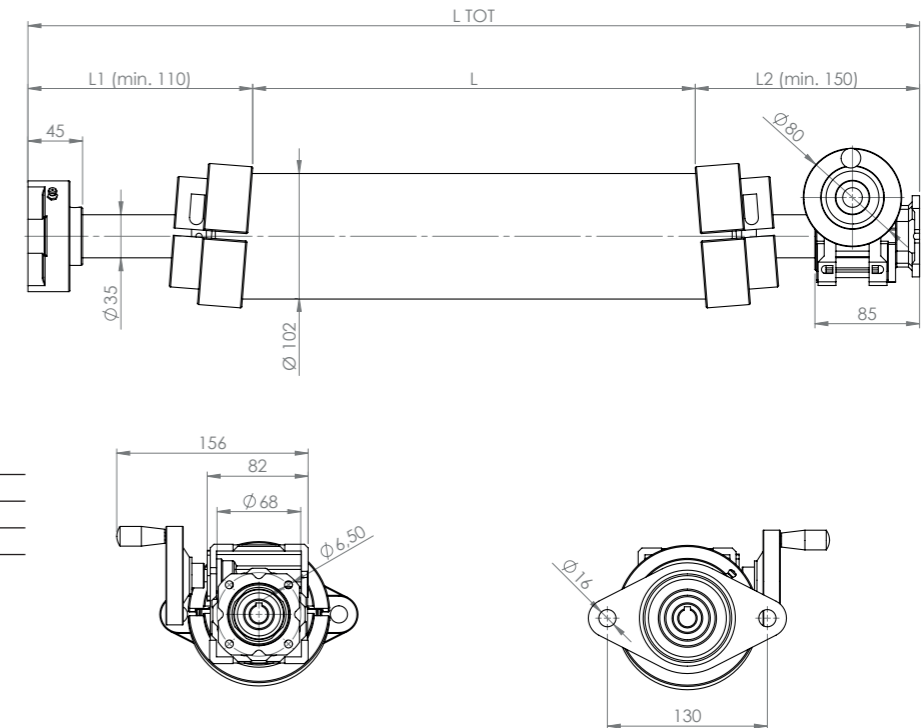


AP MODEL

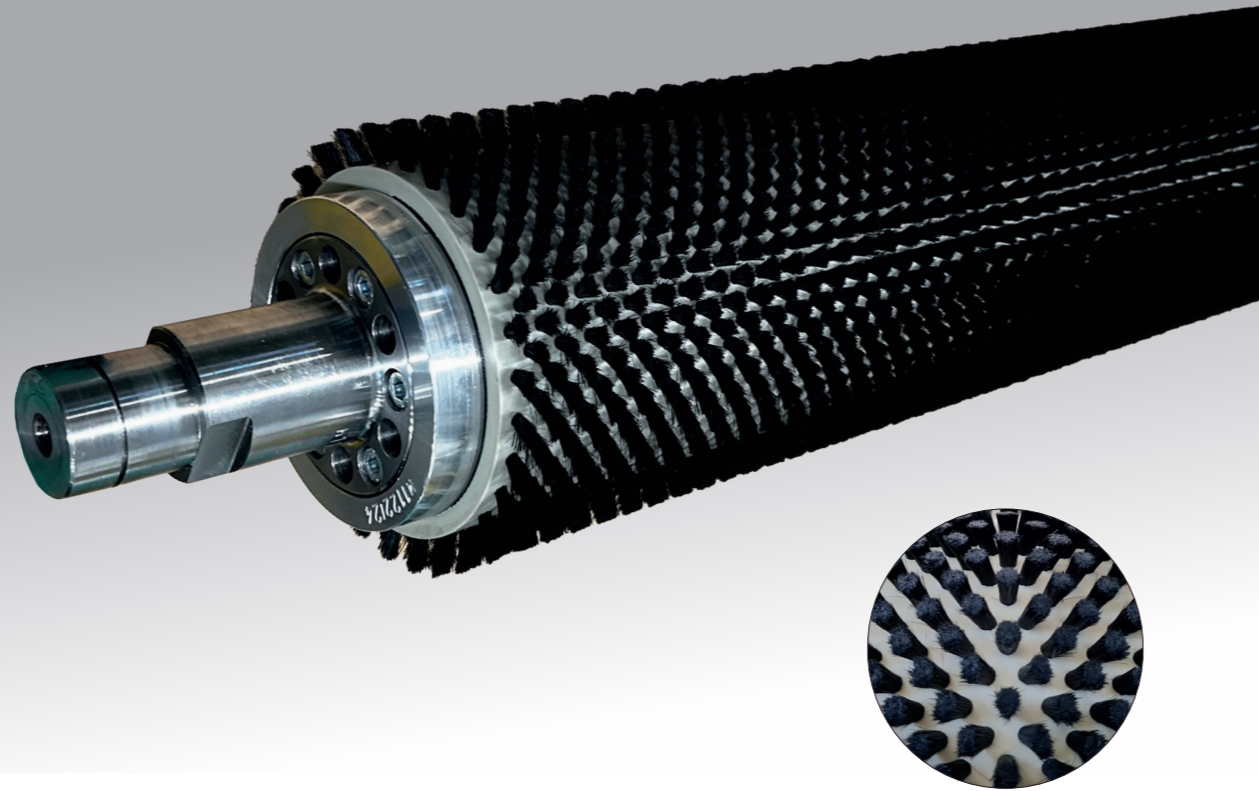


L: _____
 L1: _____
 L2: _____
 L.TOT: _____

SP MODEL



L: _____
 L1: _____
 L2: _____
 L.TOT: _____



4.1 ROLLFLEX

ROLLFLEX is a spreading roller designed for paper, plastic film, and nonwoven applications, especially recommended for use under low tension conditions. ROLLFLEX is composed by a tube with brushes, which are inclined in the opposite directions on the right and left sides of the web center.

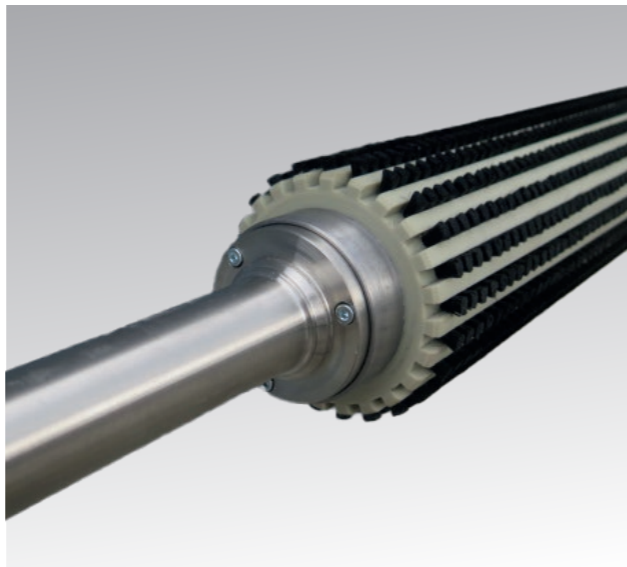
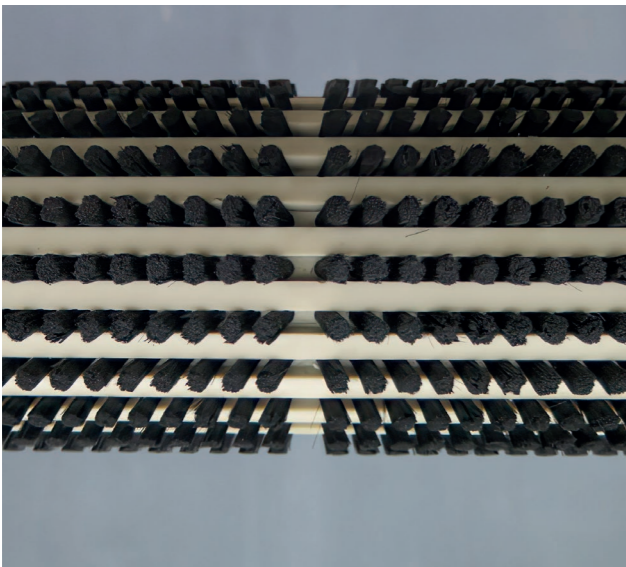
The brush inclination creates a spreading effect on the web.

The tube can be made of steel, stainless steel, aluminum, or carbon fiber. Brushes are available in a wide range of materials, and their rigidity can be adjusted according to the product to be spread.

Given its modular construction, ROLLFLEX is also suitable for multi-slit applications- ROLLFLEX can be supplied in both idle and motorized versions. Dimensions are tailored to application needs, with diameters ranging from 50 to 450 mm, lengths up to 5000 mm, and balanced for speeds up to 2500 m/min.

Operating temperatures range from -20°C to 250°C.

Additionally, thanks to special filaments, ROLLFLEX can be manufactured with an anti-static finish.

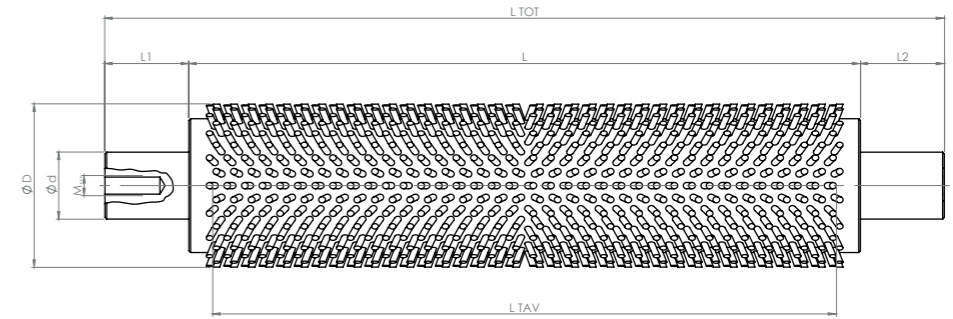


4.2 ROLLFLEX Quotation Form

FULL BRUSHES

ROLLER DIMENSIONS

L: _____
 LTAV: _____
 L1: _____
 L2: _____
 LTOT: _____
 ØD: _____
 ød: _____

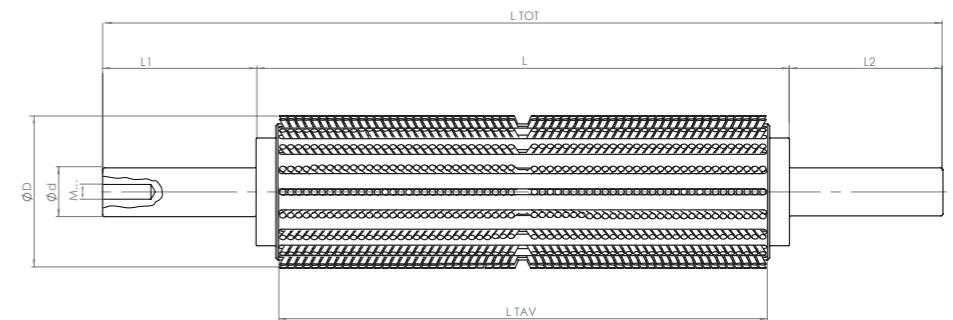


ANTISTATIC VERSION

LINEAR BRUSHES

ROLLER DIMENSIONS

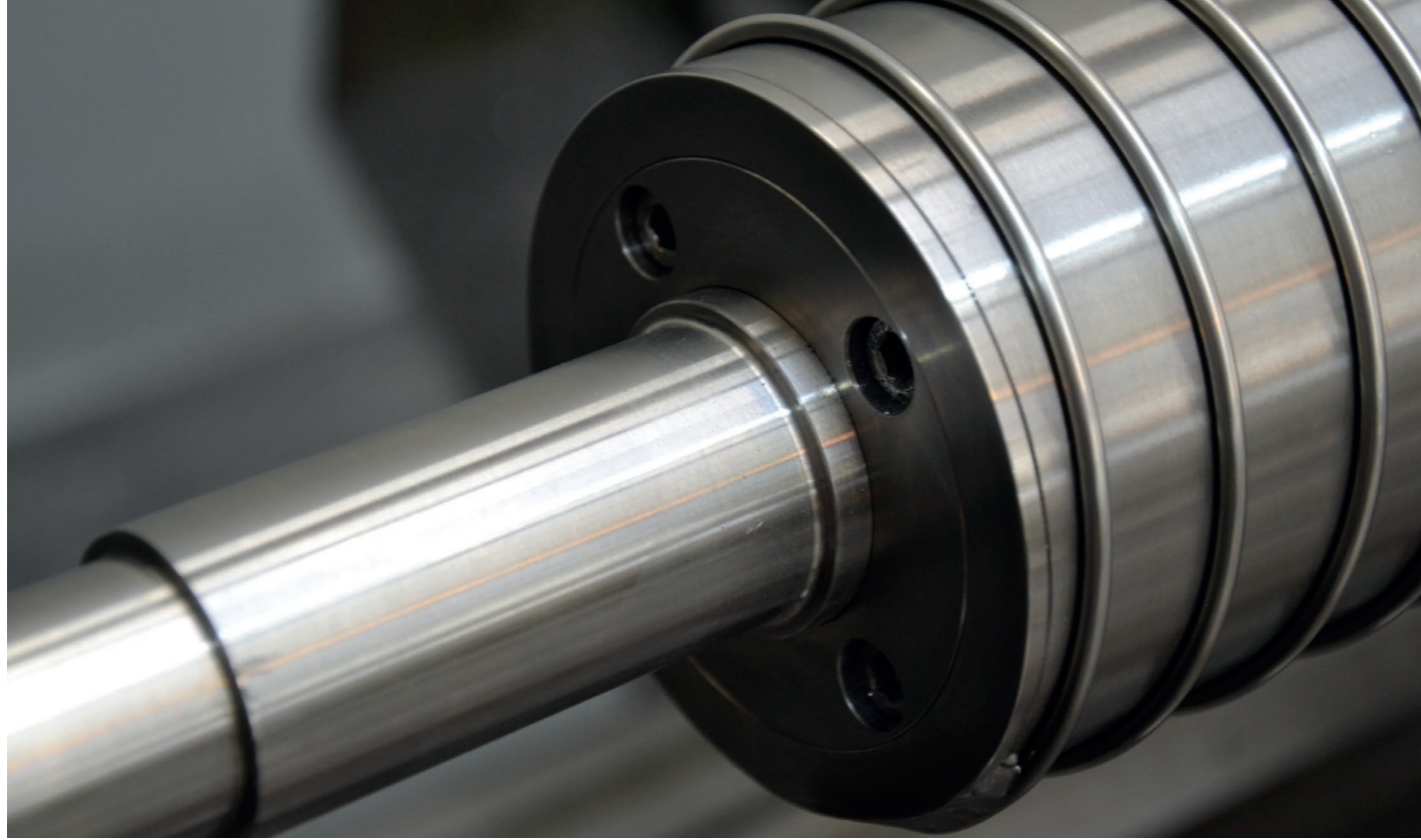
L: _____
 LTAV: _____
 L1: _____
 L2: _____
 LTOT: _____
 ØD: _____
 ød: _____



ANTISTATIC VERSION

TYPE OF ROLLER

<input type="checkbox"/> Idle roller with inner bearings		Sideframe distance DF (mm)
<input type="checkbox"/> Idle roller with external supports		Supports distance DS (mm)
<input type="checkbox"/> Driven roller		Supports distance DS (mm) Transmission distance T (mm)

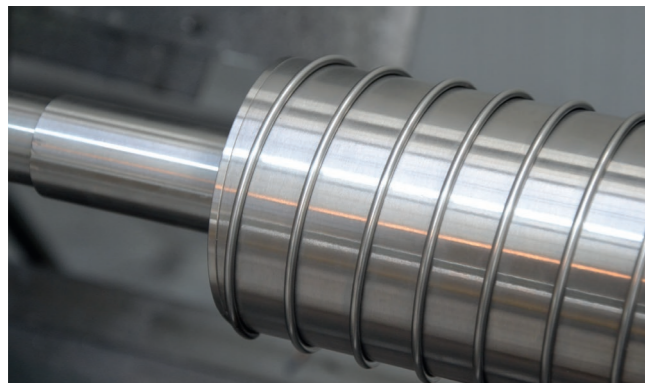


4.1 SPIROX

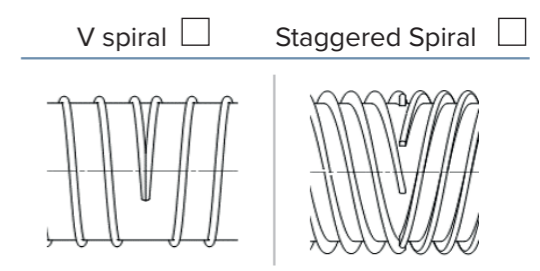
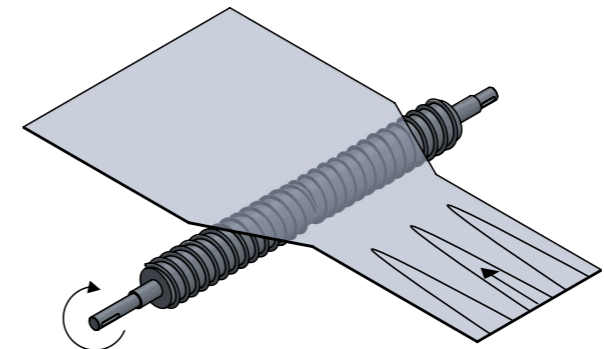
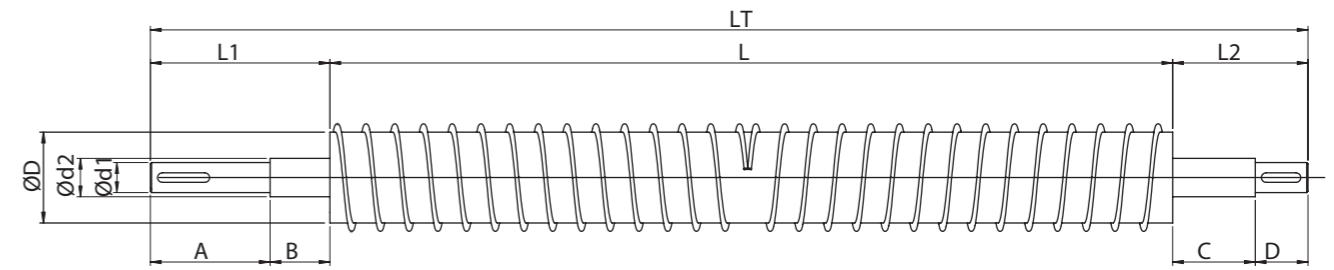
SPIROX is a stainless steel spiral roller, used to open the web in several application in textile industry: woven fabrics, non-woven, knitwear and various finishing processes. It can also be applied in wet environment and in the presence of high temperatures and steam.

The tube and the spiral wires are fine polished and the welds are in TIG.

All components are produced internally with latest generation CNC machines and all production processes undergo rigorous quality controls, in order to ensure a performing product and suitable for the application requirements



4.2 SPIROX Quotation Form



- ØD = 60,3
- ØD = 76,1
- ØD = 88,9
- ØD = 101,6
- ØD = 114,3
- ØD = 139,7

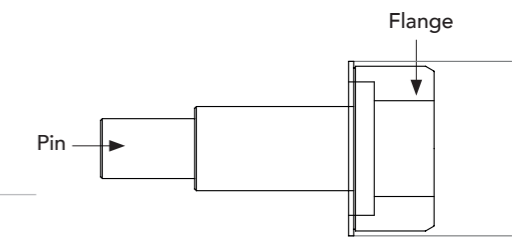
L: _____ **A:** _____
L1: _____ **B:** _____ **Ød1:** _____
L2: _____ **C:** _____ **Ød2:** _____
L.TOT: _____ **D:** _____

TYPE OF WIRE

 TYPE O Ø from 3 mm to 6 mm	 TYPE Z	 TYPE U
 TYPE S	 TYPE T	 TYPE R

Number of starts _____
 Pitch _____

- Flanges AISI 304 STAINLESS STEEL C40 STEEL
- Pins AISI 304 STAINLESS STEEL C40 STEEL





Example of driven flange

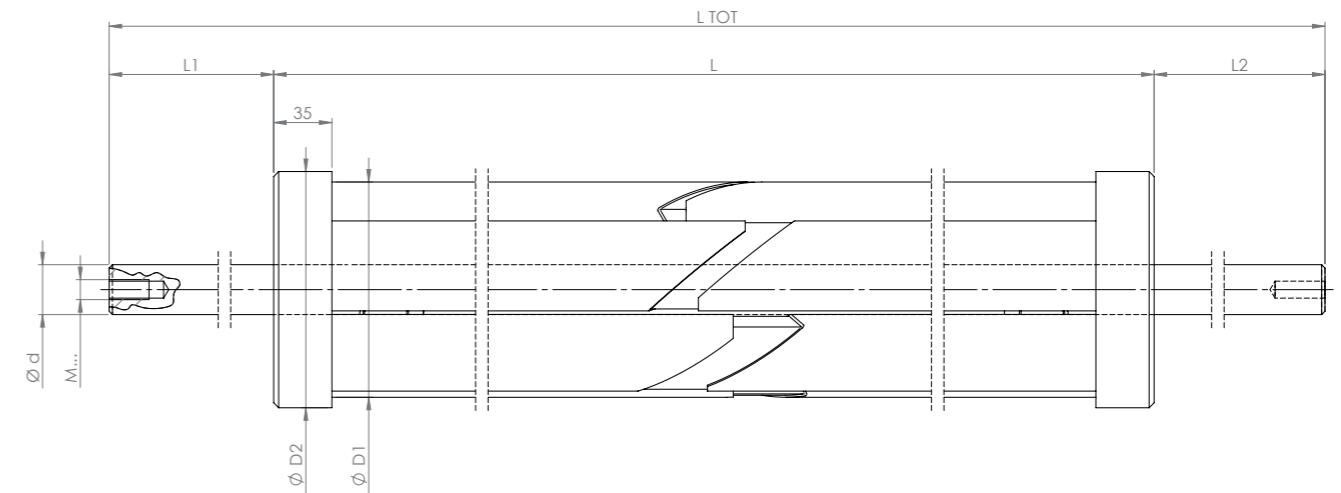
5.1 EXPANDER

EXPANDER is a spreading roller with movable slats particularly used in the textile and plastic film sectors. The spreading effect is produced by the longitudinal side movement of the slats during rotation. The slats are made of stainless steel which, upon customer request, can be satin finished or coated with suitable strips to improve web adherence.

The inner components can be in hardened galvanized steel or stainless steel.

EXPANDER can be supplied in the idle version or set up to be driven with flanges, also custom made.

5.2 EXPANDER Quotation form



L: _____
L1: _____ ØD1 = 126 ØD2 = 142 Ød = 30 N° Slats 6x2
L2: _____
L.TOT: _____ ØD1 = 206 ØD2 = 225 Ød = 40 N° Slats 10x2

MATERIAL:

- STANDARD: with inner shaft in AISI304 stainless steel, inner components in galvanized hardened steel.
 INOX: with inner shaft and inner components in AISI304 Stainless steel

EXECUTION:

- IDLE ROLLER
 DRIVING FLANGE (custom made)

SLATS SURFACE:

- Standard
 Satin surface
 Coated slats (please specify type of coating) _____

Upon customer request, EXPANDER can be equipped with custom made shaft extremities and side supports

6.1 SPREADER ROLLER SELECTION CHART

	ROLLFLAT	ROLLMAX Smart	ROLLMAX Comfort	ROLLMAX Flexible Wings	ROLLMAX Dry & Wet	ROLLMAX Wet & Chem	ROLLTENSE	SPIROX	EXPANDER
Knitted fabric	***	*	*	*	*	*	**	***	**
Woven fabric	***	**	**	**	**	**	***	***	***
Non Woven	***	***	***	***	***	***	-	-	*
Filmplastic	***	***	***	***	***	***	-	-	***
Paper	*	**	**	**	**	**	-	-	-
Slitter applications	-	***	***	***	***	***	-	-	-
Outer diameter (mm)	Ø135	Ø45, Ø65	Ø110	Ø125	Ø130	Ø158	Ø102	ØRoller Ø63; Ø76,1; Ø88,9; Ø101,6; Ø114,3; Ø139,7	Ø126; Ø215
Max Length (mm)	3600	2000	5000	5000	5000	6000	2500	✂	✂
Max Speed (m/min)	150	200	250	250	250	100	100	✂	70
Min. Wrapping angle	12°	12°	12°	12°	12°	12°	12°	12°	12°
Max. Wrapping angle	170°	170°	170°	170°	170°	170°	170°	170°	170°
Driven Execution	Optional	-	-	-	-	-	-	Optional	Optional
Material in contact with Web	Silicone	NBR	NBR/ Silicone	NBR	Silicone	NBR	Silicone	AISI304	AISI304 Optional: other materials
Max. Temperature (C°)	100	100	100	100	100	100	100	100	80
Water steam resistance	***	**	** NBR *** Silicone	**	***	**	***	***	***
Water resistance	**	*	* NBR ** Silicone	*	**	***	***	***	**
Dust proof	***	**	**	**	**	*	***	***	**

LEGENDA:

- Not suitable * Poor ** Good *** Excellent ✂ To be evaluated with Technical Dept.

The chart is indicative it is always recommended in case of doubts to submit the application to our Technical Dept.

6.2 TECHNICAL INFORMATION OF THE APPLICATION

Customer: _____

Machinery: _____

Web material: _____

Web thickness (µm): _____

Weight (gr/mm²): _____

Web Width (mm) min: _____ Max: _____

Wrapping angle "α°": _____

Tension "T" (N): _____

Max. Speed (m/min): _____

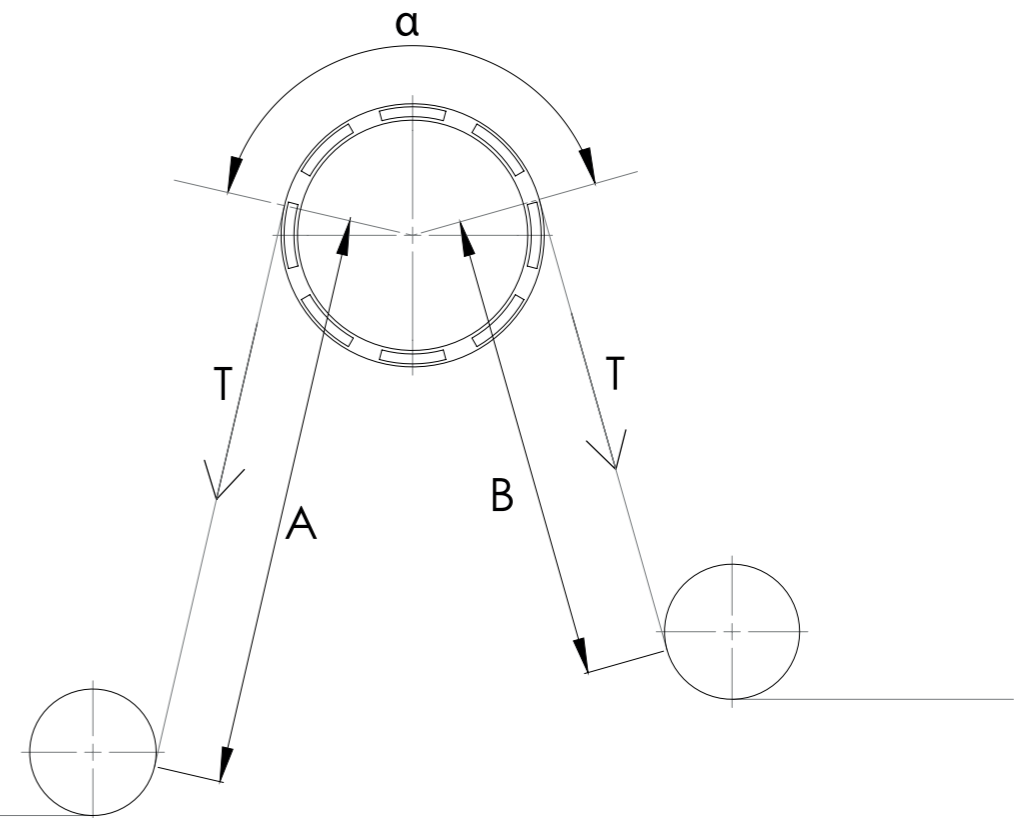
A distance (mm): _____

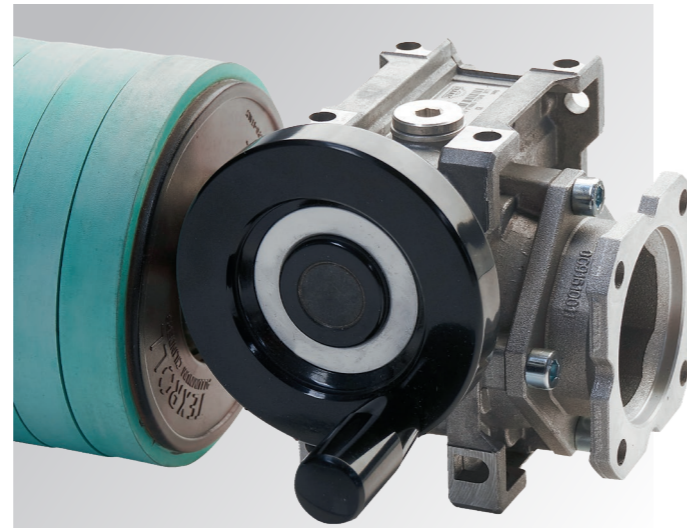
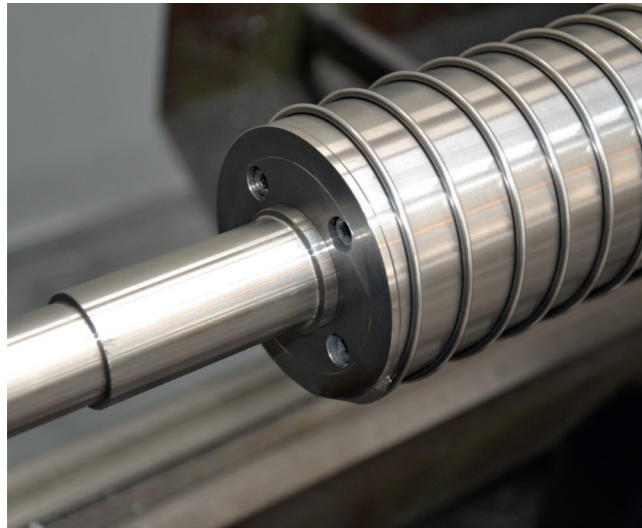
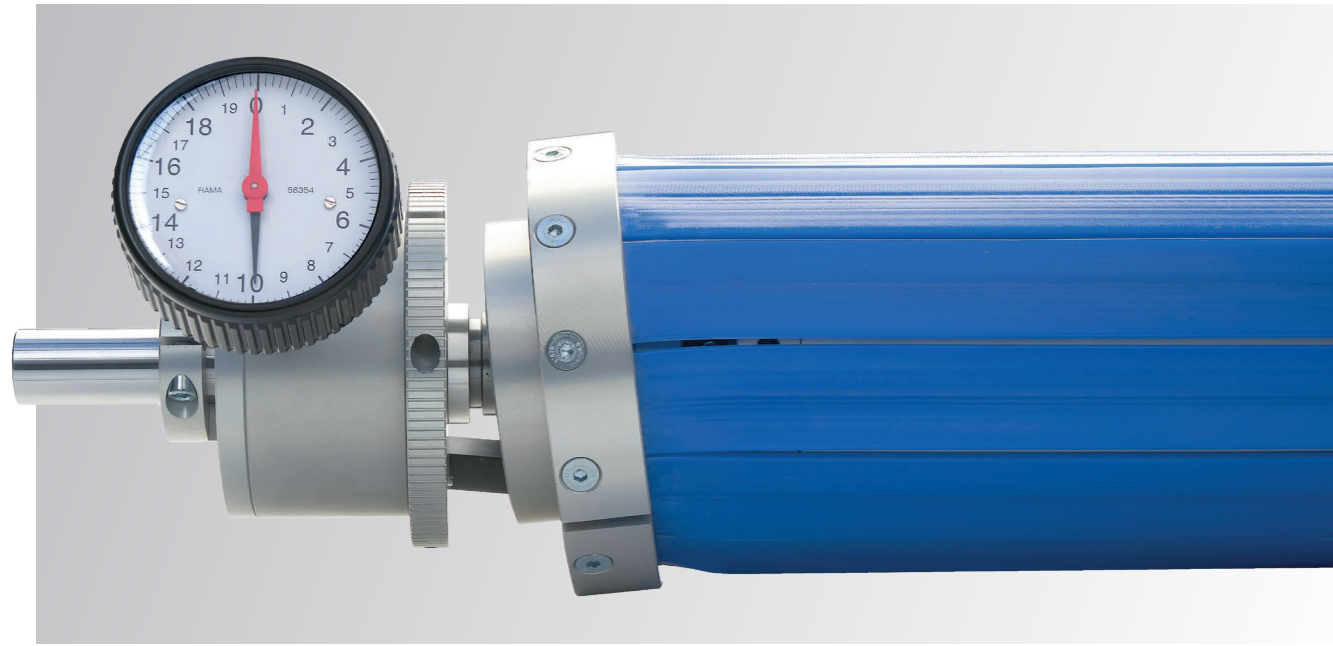
B distance (mm): _____

Temperature (C°): _____

Humidity (%): _____

Chemical/Solvents: _____





The company reserves the right to modify the technical information of the products in the catalog even without notice.



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