Accotex® Cots and Aprons

Accotex® Cot Benefits

- Perfect running behavior
  - Excellent cot performance and thus stable yarn quality over the whole cot life
  - Less laps, less end breaks, less unbound fibers
  - Less machine stand stills over cot life means higher efficiency
- Highest product reliability
  - Usage of highest quality, reliable and stable raw materials
  - Processing of all types of fibres under different climate conditions
- State-of-the-art production facility
  - Stable compound quality from shipment to shipment due to highest sophisticated mixing technology
- Outstanding life time
  - perfect grindability

Pressfit Cots

Pressfit cots are an Accotex invention. They run virtually tension free, providing high performance and long durability.

Lined Cots

Lined cots are used in applications where roller diameter or

Accotex® Apron Benefits

- Perfect running behaviour
  - Good friction properties and running behaviour over the whole apron life
  - No vibration, no stress cracking, lowest slippage tendency
  - Less breakages - less downtime of single spindles
  - Less machine stand stills or interruptions - higher efficiency
  - Trouble free processing of all common fibres under different climate conditions
- Highest product reliability
  - Highest compound technology and high-tech chemistry due to perfect raw material selection and sophisticated and consistent mixing technology
- State of the art production facility
  - Precise product dimension
  - High dimensional stability
- Outstanding life time
  - Stable and consistent construction
  - Superior life cycle for all common fibre types
  - Sufficient resistance to all popular fibre dressings, colours and greases

Drawing

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Front roller	CO	121	black	70	
Front roller	CO, Blends, MMF	J 470	green	70	
Front roller	Blends, MMF	NO 714	light green	80	
Front roller	CO, Blends, MMF, WO	J 490	grey	83	
Clearer cover	all	NO 780 P	grey	-	

Combing

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Detaching roller	CO, Blends, MMF	J 463	lavender	63	
Detaching roller	CO, Blends, MMF	J 470	green	70	
Draw box roller	CO, Blends, MMF	J 470	green	70	
Draw box roller	CO, Blends, MMF, WO	J 490	grey	83	
Combing apron	all	972	red / red	-	
Clearer cover	all	NO 780 P	grey	-	

Short Staple Ring Spinning

Roving

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Front and back roller	CO, Blends, MMF, WO	J 490	grey	83	
Apron roller	CO, Blends, MMF	ME 480	black	80	

CO = Cotton · Blends = Blends · MMF = Man Made Fibres ·

Roving					
Applications	**Fibre**	**Product**	**Colour**	**Shore A Hardness**	**Example**
Top and bottom apron	all	78210 G	grey / green	-	
Clearer cover	all	NK 770	green	-	
Clearer cover	all	NO 780 P	grey	-	

Ring Spinning					
Applications	**Fibre**	**Product**	**Colour**	**Shore A Hardness**	**Example**
Front roller combed cotton Ne 60 and above	CO combed	J 460	burgundy	60	
Front roller combed cotton Ne 30, blends Ne 40 and man made fibres Ne 50 and above	CO combed, Blends, MMF	J 463	lavender	63	
Front roller carded and combed cotton Ne 18, blends Ne 20 and man made fibres Ne 30 and above	CO carded and combed, Blends, MMF	J 465	turquoise	65	
Front roller combed cotton Ne 20, blends Ne 30, man made fibres Ne 30 and above	CO combed, Blends, MMF	J 466	yellow	67	
Front roller carded cotton Ne 20, blends Ne 30 and man made fibres Ne 30 and above	CO carded, Blends, MMF	J 470	green	70	
Front and back roller carded cotton Ne 10, blends Ne 18 and man made fibres Ne 18 and above	CO carded, Blends, MMF	J 476	blue	76	
Front and back roller for general purpose	all	J 490	grey	83	
Apron roller	all	ME 480	black	80	
Top and bottom apron	all	78210 G	grey / green	-	
Bottom apron	all	78210 G KN	grey / green	-	 *
Clearer cover	all	NK 770	green	-	

CO = Cotton · Blends = Blends · MMF = Man Made Fibres · WO = Wool

Long Staple Ring Spinning

Roving

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Apron roller	WO	ME 480	black	80	
Top and bottom apron	all	78210 G	grey / green	-	
Clearer cover	all	NK 770	green	-	

Finisseur

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Front and back roller	CO, MMF, WO	J 470	green	70	
Front and back roller	CO, Blends, MMF, WO	J 490	grey	83	
Top and bottom apron	Blends, MMF, WO	NO 78210*X	grey / green	-	

Ring Spinning

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Front roller for counts Ne 80 and above	WO	J 463	lavender	63	
Front roller for counts Ne 60 and above	CO, Blends, MMF, WO	J 470	green	70	
Back roller	CO, Blends, MMF, WO	J 490	grey	83	
Apron roller	all	ME 480	black	80	
Top and bottom apron	all	78210 G	grey / green	-	
Spinning balloon	all	NO 780 B	grey	-	
Clearer cover	all	NK 770	green	-	

CO = Cotton · Blends = Blends · MMF = Man Made Fibres · WO = Wool

* Wall thickness (mm): 1.7, 2.0, 2.2, 2.5

Twisting

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Twisted cot	Blends, MMF	J 490 S	reddish brown	72	
Twisted cot	CO, Blends, MMF, WO	J 490	grey	83	
Sleeve	all	TW 450	grey / grey	65	

Rotor Spinning

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Nip roller	CO, Blends, MMF	121	black	70	
Nip roller	MMF, Blends	118	dark grey	72	
Nip roller	all	J 490	grey	83	

Air Jet Spinning

Applications	Fibre	Product	Colour	Shore A Hardness	Example
Front roller and Nip roller	CO, Blends, MMF	J 470	green	70	
Apron drive roller	CO, Blends, MMF	118	dark grey	72	
Front roller	CO, Blends, MMF	J 490 S	reddish brown	72	 *
Front, back and nip roller	CO, Blends, MMF	J 490	grey	83	
Top apron	CO, Blends, MMF	414 M KN	grey / brown	-	
Top and bottom apron	CO, Blends, MMF	NO 4950 KN	grey / brown	-	

CO = Cotton · Blends = Blends · MMF = Man Made Fibres · WO = Wool

Complete Spindles
Texparts® Spindle Upper Parts

Texparts® Complete Spindles
Oerlikon Textile Components offers a comprehensive range of complete spindles for various kinds of spinning and twisting processes such as

- Cotton spindles with bare blades or with aluminium plug
- Worsted or semi-worsted spindles
- Spindles for draw twisters
- Spindles for twisting machines

Texparts® Complete Spindles are available for the machines of all well-known manufacturers or can be produced according to customer's request. The spindles will be equipped with the most suitable spindle bearings of CS 1, CS 1 S, CS 21 12 or HF/HZ series. Furthermore a wide ranged variety of different flange-, brake- and locking types as well as other spindle accessories are available. All spindles are being optimized with regard to

- The tubes to be used
- The type of spindle drive
- The minimum and maximum speed required
- Further customer's demands

Each complete spindle consists of the upper part and the bottom part:

Upper Part

- Aluminium upper part
- Bare blade upper part

Benefits

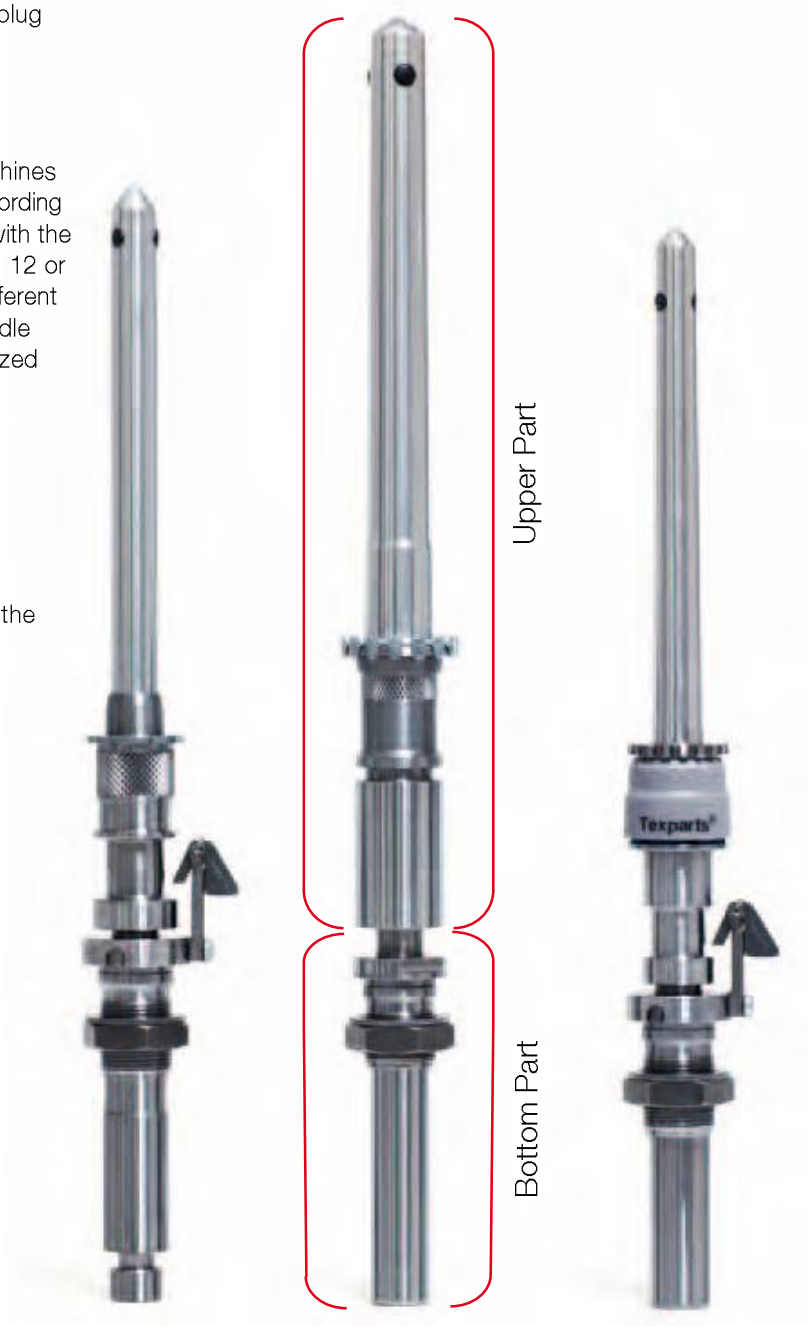
- Original for all important ring spinning machines
- For a broad range of applications
- Highest spindle speeds
- Texparts „Sandwich Design"

Bottom Part

- Spindle bearing
- Flange

Benefits

- Outstanding running properties
- Long life time
- Lowest energy consumption
- Long maintenance intervals
- Low noise level
- Highest manufacturing precision



Complete Spindles
Texparts® Spindle Bearings

	Spindle Types			
1970 - 1982	HF 2	HF 3		
1982 - 1995	HF 1	HF 21	HF 3	
> 1995	CS 1 / CS 1 S	CS 1 12	HF 3	
Today	CS 1 / CS 1 S	CS 21 12	HF 3	

Fine count → Coarse count

Texparts® CS 1 Spindle Bearing
The Texparts® CS 1 Spindle Bearing is used in short and long staple ring spinning machines. With its outstanding running properties the CS 1 has set the standards for spindle bearings, thus today being the standard spindle bearing of modern ring spinning machines.

Texparts® CS 1 S Spindle Bearing
The Texparts® CS 1 S Spindle Bearing offers maximum performance within the CS 1 product family. This spindle bearing should be the number one choice for use up to the spinning limits or for special requirements for a low noise level of the ring spinning machine.

Texparts® CS 21 12 Spindle Bearing
With the installation of the new Texparts® CS 21 12 Spindle Bearing the spinning mill gains more flexibility for the future with regard to the yarn count. As market demands are changing continuously, our flexible equipment enables an all-time competitiveness and the ability to respond flexible to changing market needs.

Texparts® HF/HZ Spindle Bearing
Texparts® HF/HZ spindle bearing assures perfect running properties in the low and medium speed ranges, and even up to high speeds. It's the ideal bearing especially for heavy duty spindles used for coarse yarns, tire cord and technical twist, for draw-twisting spindles and two-for-one-twist.

Texparts® Zero Underwinding

The new Texparts® Zero Underwinding concept ensures the prevention of underwound yarn ends and precise function during all stages of the spinning cycle.

Benefits
- Reliable clamping of the yarn ends
- Fail-safe yarn cutting
- Precise and long-lasting function
- Easy handling

Texparts® Rings and Travellers

Texparts® Rings and Travellers
Rings and travellers are the dominant elements in the ring spinning process. Key to success is the reduction of the friction coefficient between ring and traveller to the lowest level possible. At this point you will achieve the perfect balanced spinning geometry, which means that the spinning tension is on a constant balanced level.
The reduction of friction will be obtained if the rings and travellers establish a symbiosis. Therefore the Oerlikon Textile Components' R&D focused on the ideal combination of rings and travellers.
With the new Texparts® Rings and Travellers the perfect combination of the ideal ring and traveller has already been defined.

Texparts® Rings

Benefits
- Texparts® Ring Coating guarantees
  - No ring running-in
  - Longer serviceable life for ring and traveller
  - Consistent smooth running behavior
- Highest contour accuracy
  - No variations in ring sizes
  - Perfect roundness means no vibration during spinning
- Outstanding flexibility
  - The new ring design ensures high speed spinning for all fiber materials and yarn types
  - A

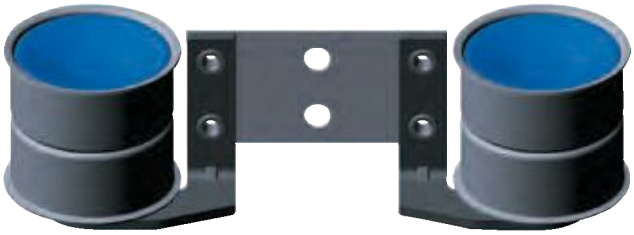
Texparts® Travellers

Benefits
- The smart traveller design with different Texparts® Traveller Coatings ensures an optimized balance between traveller speed, life time and yarn quality
- The universal suitability
  - Enables a reduction of the spare parts stock
  - Saves time on every lot or traveller change
  - Makes the time-consuming and complex management of diverse traveller types needless

Texparts® Textile Bearings

Texparts® Contact Roll Assemblies AR
Texparts® Tension Pulleys SR

For spindle operation in ring spinning machines with belt drive systems, Oerlikon Textile Components offers a wide variety of contact roll assemblies AR and tension pulleys SR with outstanding running properties and long service life.



Benefits
- Reliable guidance of the tangential belt
- Reduced energy consumption
- Extended liefetime and longer relubrication cycles
- Less maintenance

Texparts® Bearings for Rotor Spinning Machines

The product range comprises the following bearing types:
- TL rotor bearing units for direct tangential drive
- LE opening roller bearing units
- IL bearing units for support rolls

Benefits
- Integrated bearing units with maximum running-/ assembly precision
- Highest quality
- Long service life

Texparts® Textile Bearings
Product Portfolio by Application

	Ring Spinning			Rotor Spinning		Air Jet Spinning		Twisting
	Roving Frame	Ring Frame	Winding Machine	Direct Drive	Indirect Drive	MJS	MVS	Twister
Bottom Roller Bearing **UL**	■	■				■	■	
Top Roller **LP**	■	■						
Contact Roll Assembly **AR**		■						
Tension/Guidance Roller Bearings **SR/FR**	■	■		■	■			■
Rotor Bearing Unit **TL**				■				
Opening Roller Bearing Unit **LE**				■	■			
Twin Disc Bearing Unit **IL**					■			
Bearing Unit **DR**			■					
Bearing Unit **ZL**			■	■				
Bearing Unit **ZB**								■
Bearing Unit **CK**			■	■	■			
Bearing Unit **CR**			■					

Asia

Oerlikon Textile Components
Shanghai Office
29th Floor Building A
Room 2906 - 2907
Gateway International Plaza
No. 325 Tian Yao Qiao Road
Shanghai 200030
P.R. China
T +86 21 6422 0770
F +86 21 6422 0025
info@otcshanghai.com.cn

Oerlikon Accotex Texparts
105-C, Mettupalayam Road
Thudiyalur, Coimbatore-641 034
India
M +91 93441 93444
F +91 422 2643670
texpartsindia@vsnl.net

Oerlikon Textile Components
Singapore Pte Ltd
151 Gul Circle, Jurong
Singapore 629608
T +65 (0) 65869 231
F +65 (0) 65869 233

Europe

Oerlikon Textile Components GmbH
Maria-Merian-Strasse 8
70736 Fellbach
Germany
T +49 (0) 711 585210
F +49 (0) 711 58521 59
info-texparts@oerlikon.com

Oerlikon Textile Components GmbH
Zweigniederlassung Münster
Gustav-Stresemann-Weg 1
48155 Münster
Germany
T +49 (0) 251 60938 0
F +49 (0) 251 60938 138
info.ms@oerlikon.com

North America

Oerlikon Textile Inc.
11 Forrester Drive
Mauldin, SC 29662
Greenville
USA
T +1 864 288 0881
F +1 864 234 0203
info.gv@accotex.com

www.components.oerlikontextile.com

Spi 2518-2 e · Subject to technical modifications · 06.2011
Reprint only with expressed permission of Oerlikon Textile Components GmbH