Suessen

SUESSEN Premium Parts

for Autocoro Spinning Machines

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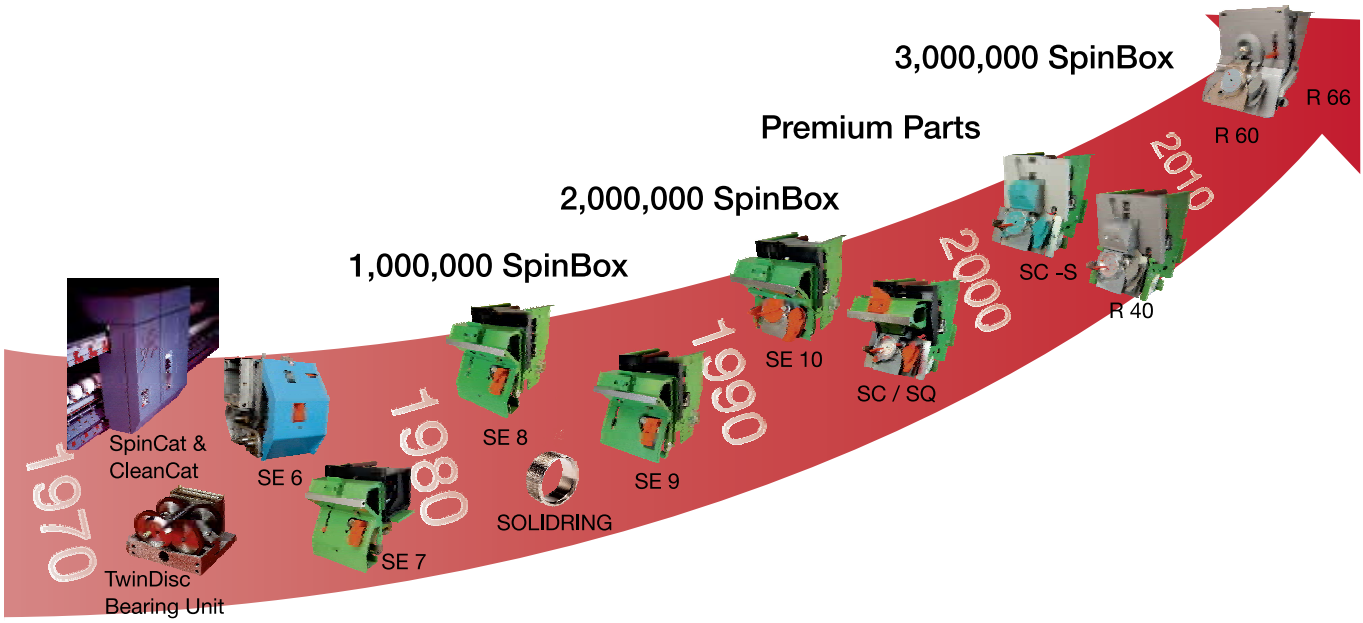
SUESSEN – a Synonym for Competence in Open-End Spinning



Since the early sixties of the 20th century, SUESSEN has been intensively engaged in Open-End rotor spinning. SUESSEN has repeatedly given important impetus to rotor spinning by continuous innovation.

In 1971, SUESSEN presented the OE SpinBox with TwinDisc bearing at the Paris ITMA. This new bearing made rotor speeds of up to 80,000 rpm possible for the first time, while just 40,000 rpm could be achieved with direct bearings. Today, the TwinDisc bearing enables speeds up to 160,000 rpm, compared with 110,000 rpm as maximum speed possible with direct bearings.

1973: first SUESSEN SpinBox in Schubert & Salzer RU11 machine.

At the Milan ITMA in 1975, SUESSEN showed the first automatic rotor spinning machine with the SE 6 SpinBox and the CleanCat and SpinCat robots for automatic cleaning and piecing-up. This development was responsible for the industrial breakthrough of rotor spinning.

Between 1975 and 1999 SUESSEN developed and produced the SpinBoxes SE 7, SE 8, SE 9 and SE 10 exclusively for Schlafhorst Autocoro. Owing to the technological and technical improvements in the course of these years, the SE 9 SpinBox finally allowed rotor speeds of up to 130,000 rpm.

1984: Introduction of the new SOLIDRING that offers significant advantages over the conventional wire clothing.

1995: Delivery of the two millionth SpinBox for Autocoro rotor spinning machines.
1998: Introduction of the SQ and SC-M SpinBox generation for modernizing existing SE 7 to SE 10 SpinBox designs.
2000: SUESSEN established the Premium Parts product line and got into the spare parts business by supplying original spare parts for the SE 7 to SE 10, SC and SQ SpinBox generations.
2001: SUESSEN developed the SC-S SpinBox for the SAVIO FlexiRotorS 3000/DuoSpinner rotor spinning machine.
2002: Market introduction of the SUESSEN SC-R SpinBox for the RIETER R40 rotor spinning machine.
2012: Market introduction of the SUESSEN S 60 SpinBox for the RIETER R60 rotor spinning machine.
2016: Market introduction of the SUESSEN S 66 SpinBox for the RIETER R66 rotor spinning machine.

To date, SUESSEN has manufactured and delivered over 3 million SpinBoxes.

Since the very start of the development, SUESSEN-WST have filed 284 patents in the rotor spinning sector.

With innovative SpinBox designs, the SpinBox automation and repeated new developments of high-end spinning accessories, SUESSEN has contributed to the current technical and technological state of rotor spinning.

Premium Parts

In the year 2000, the Premium Parts product line was launched, enabling SUESSEN to enter the spare parts business as Original Spare Part Supplier for SE 7 to 10, SC and SQ SpinBox generations.

SUESSEN developed and manufactured for over 20 years the SE 7, 8, 9 and 10 SpinBoxes exclusively for Schlafhorst Autocoro, as well as the corresponding spinning accessories. We are therefore right to say we are the original spare parts supplier, and nobody knows the SpinBox better than we do.

The product line Premium Parts not only stands for the Original SpinBox spare parts for types SE 7, 8, 9, 10, SC and SQ, as well as for for high-quality and innovative spinning accessories for these SpinBox types. We have made consequent use of our knowledge and experience, acquired with rotor spinboxes and modernization during almost 40 years, to extend our product portfolio successively by Premium Products “around the SpinBox“ and for subsequent SpinBox generations.

The customer benefit is given first priority in our development work. All our efforts in development and production of our Premium Parts components are aiming at enabling the customers to draw optimum benefit from our products with respect to yarn quality, efficiency, power saving and service life.

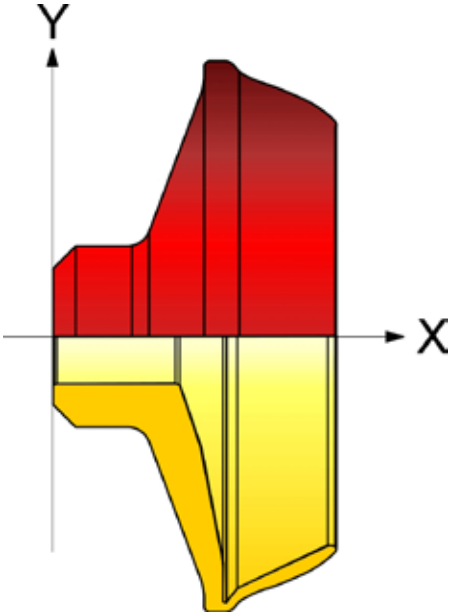
Premium Parts is not just spare parts. Trying to help our customers to solve their problems, we have developed quite some innovative packages for partial modernization offering solutions to different problems. The packages can be installed in existing Schlafhorst Autocoro machines to improve their effiency, yarn quality and/or power saving. All packages for partial modernization have a very short payback period.

Please put your confidence in our long lasting experience and competence in rotor spinning and let us be your Premium supplier.

Suessen

Spinning Components

*Pro*FiL®Rotors



In 2004, the outside contour of the SUESSEN rotors was optimized by FEM methods. So the stress in the ***Pro*FiL®**Rotors was reduced and mechanically and technologically possible speed could be increased. In addition, the energy consumption is lower owing to the reduced air friction by up to 14 %.

Another positive result of the modified profile is the reduced moment of inertia. The braking and acceleration periods are shorter, brake pads will last longer and piecing-up is easier.

All rotor shafts are specially wear protected. Shaft ends are reinforced with ceramic inserts.

The proven inner geometry of the rotor is designed to obtain best yarn quality, low ends-down rates and easy piecing-up.

Precise manufacturing and dynamic balancing are responsible for a smooth running. The proven 2 µm diamond coating offers optimum results with regard to fibre orientation and the homogeneous sliding of the fibres into the rotor groove.

SUESSEN ***Pro*FiL®**Rotors are available for all Autocoro SpinBoxes SE 7 to SE 12 and for SUESSEN SpinBox SC and SQ, in various designs for different material and applications.

T 934 BD

Surface treatment
B = boronized
D = diamond coated
BD = boronized and diamond coated
B5 = boronized, close groove
E = Ematal-coated

Groove diameter in mm

Code
8 = SE 7/8, SQ 7/8
9 = SE 9/10, SC, SQ 9/10, SE 11 hybrid
M = Magnetic thrust bearing (no offer or sale for Germany, Czech Republic or USA)

Groove shape

*Pro*FiL®Rotors

Hybrid shaft 8.0
SE 7 / 8

Type	Part No.
T 833 BD**	10141792
T 834 B**	10611603
T 834 B5**	10141853
T 834 BD**	10141691
T 834 D**	10141919
T 837 B	10141868
T 837 BD	10141696
T 837 D	10141918
T 841 B	10141866
T 841 B5	10141862
T 841 BD	10141702
T 841 D	10141903
T 847 B	10141878
T 847 BD	10141708
TC 836 BD	10141715
TC 840 B	10541404
TC 840 BD	10141721
TC 846 BD	10141729
TC 856 BD	10141734
G 833 BD	10141739
G 836 B	10141879
G 836 BD	10141751
G 840 B	10141883
G 840 BD	10141756
G 846 B	10141887
G 846 BD	10141767

Type	Part No.
U 833 BD	10141759
U 840 B	10141893
U 840 BD	10141777
U 846 B	10141898
U 846 BD	10141782
S 840 BD	10141844
S 846 B	10141840
S 846 BD	10141838
S 855 E	957.0975
S 856 BD	10142420
S 865 E	957.0993
V 835 BD***	10142048
V 848 BD***	10142042

**Requires washer 1.5 mm (see page 18)
***Requires washer 3 mm (see page 18)

*Pro*FiL®Rotors

Hybrid shaft 8.0
SE 9 / 10 / 11 / 12 / SC / SQ

Type	Part No.
T 933 B5 **	10141976
T 933 BD**	10231843
T 933 D**	10142073
T 934 B**	10611630
T 934 B5**	10142436
T 934 BD**	10141633
T 934 D**	10142437
T 937 BD	10141652
T 937 D	10142076
T 941 B	10142440
T 941 B5	10142439
T 941 BD	10141653
T 941 D	10142079
T 947 B	10142443
T 947 B5	10142444
T 947 BD	10141656
T 957 BD	10141661
TC 934 B	10708302
TC 934 BD	10142090
TC 936 BD	10141969
TC 940 BD	10141994
TC 946 BD	10141973
TC 956 BD	10141974
G 930 BD	10141984
G 931,5 BD	10233912
G 933 BD	10141989
G 936 BD	10141991
G 940 B	10142438
G 940 BD	10141992
G 946 BD	10141993

Type	Part No.
GSQ 931 BD**	10141986
K 931 B5	10141979
K 931 BD	10141977
U 933 BD	10142435
U 936 BD	10142007
U 940 B	10142092
U 940 BD	10142009
U 946 B	10142441
U 946 BD	10142010
S 940 BD	10141980
S 946 B	10142442
S 946 BD	10141978
S 956 BD	10141982
S 956 E	959.2243
S M40 BD	10976898
S M46 BD	10998680
V 936 BD***	10142013
V 940 BD***	10142015
V 948 BD***	10142019

*Pro*FiL®Rotors

Magnetic shaft
SE 11 / 12 (MRPS)

Type*	Part No.
T M33 B5**	10665207
T M33 BD**	10665209
T M34 B5**	10787260
T M34 BD**	10787341
T M34B**	10975298
T M37 BD	10787345
T M41 B	10787346
T M41 B5	10787347
T M41 BD	10787371
T M47 B	11086261
T M47 BD	10931015
TC M34 BD	10961726
TC M36 BD	10787372
TC M40 BD	10787373
TC M46 BD	10787374
G M26 BD	10809373
G M28 BD	10801054
G M30 BD	10787257
G M31 BD	10787258
G M33 BD	10787300
G M36 BD	10787321
G M40 BD	11065660
G M46 BD	11065662
KT M28 BD	11009096
K M31 B5	11011673
K M31 BD	10997914
U M40 BD	10787375
S M40 BD	10976898
S M46 BD	10998680

*Further rotor types available on demand.
**Requires washer 1.5 mm (see page 18)
***Requires washer 3 mm (see page 18)

*Pro*FiL®Rotors

Hybrid shaft 8.3
SE 11 / 12
Magnet converted to *Pro*FiL®Cartridge

Type*	Part No.
T 931-3 BD**	10429543
T 933-3 B5**	10231249
T 933-3 BD**	10231089
T 934-3 BD**	10231252
T 937-3 BD	10231257
T 941-3 BD	10231263
T 947-3 BD	10231268
T 957-3 BD	10231272
TC 936-3 BD	10231253
TC 940-3 BD	10231260
TC 946-3 BD	10231266
TC 956-3 BD	10231271
G 926-3 BD	10142429
G 928-3 BD	10142430
G 930-3 BD	10231243
G 931-3 BD	10231248
G 933-3 BD	10231250
G 936-3 BD	10231256
G 940-3 BD	10231262
G 946-3 BD	10231267
GSQ 931-3 BD**	10231247
K 931-3 B5	10231245
K 931-3 BD	10231246
U 936-3 BD	10231255
U 940-3 BD	10231259
U 946-3 BD	10231265
S 940-3 BD	10231258
S 946-3 BD	10231264
S 956-3 BD	10231270
V 936-3 BD***	10231254
V 940-3 BD***	10231261
V 948-3 BD***	10231269

SOLIDRING and Opening Rollers

SUESSEN developed the SOLIDRING and was the first to introduce it into the market. The SOLIDRING opens the sliver, extracts trash and neps, separates and parallelizes the fibres. The SOLIDRING performance is responsible for the yarn quality.

SUESSEN SOLIDRINGS are ground tooth for tooth in hardened chromium steel, thus permitting closest possible manufacturing tolerances. In addition, this manufacturing technique guarantees the highest possible and homogeneous hardness from tooth tip to tooth ground. There is no gap as in a wire-tooth clothing. Compared with conventional saw-toothed wire clothing, SOLIDRINGS offer the following enormous technical and technological advantages:

- considerably increased service life
- better, deeper combing
- uniform fibre transportation
- uniform fibre delivery to the fibre channel
- uniform yarn parameters over a long service life

SUESSEN SOLIDRINGS are available for all Autocoro SE 7 to SE 20, for SUESSEN modernization with Compact SpinBox SC and SQ, in various designs for different fibre materials and applications.

Example for denomination:

B 174 DN -FG

-FG = Special version for fine yarn counts

DN = Surface coating
N = nickel-plated
DN = diamond and nickel-plated
CR = chromium-plated

174 = Code for tooth shape

B = Code for application
B = cotton + viscose
S = synthetics and blends

SOLIDRING and Opening Rollers

New CR Coating for 100 % Cotton

As a result of the coating process, the relatively thick diamond layer, which is responsible for the excellent wear resistance, can only be applied on a slightly rounded tooth. The thin nickle layer, on the other hand, can be applied on a sharper tooth, which offers a much better opening work to the fibre beard, but unfortunately is rapidly worn.

In order to meet the demands of the market, a new type of coating had to be found which ensures long lifetime, despite of a very thin layer.

The new CR coating for applications with 100 % cotton precisely fulfils these conditions. It combines the advantage of the N coating quality with the lifetime of the DN coating. Compared with the DN SOLIDRING, this results in better opening and fibre singularization, better trash extraction and lower ends-down rates and consequently in a better yarn quality with an identical lifetime of the SOLIDRING.

SOLIDRING S 43-3.6

The SOLIDRING with the S 43 tooth form has been specially developed for processing fine PES yarns. For years, customers have successfully used this SOLIDRING S 43 with the following advantages over the standard S 21 tooth form for such applications:

- almost no “merry-go-round” fibres, meaning the fibres are coming off better from the opening roller and get into the fibre channel
- consequently less imperfections in the yarn
- and less tendency to shedding, especially in the subsequent weaving process

Compared to standard tooth forms and speeds, the lifespan of the S 43 tooth form is reduced.

The nomination “3.6” simply defines the actual tooth pitch of 3.6 mm – this leads to 33 % more teeth in the circumference compared to the former S 43 SOLIDRING.

Consequently, more teeth opening the same fibre beard (compared to the former S 43) causes less wear to the individual tooth of the S 43-3.6 SOLIDRING, resulting in a longer lifespan. Practical field tests proved a 20 % to 25 % increase in lifespan with the S 43-3.6 over the former S 43.

SOLIDRING and Opening Rollers

SOLIDRINGS
SE 7 / 8 / 9 / 10 / 11 / 12 / 20 / SC / SQ

SOLIDRING	Part No.
B 174 N	958.3894
B 174 DN	958.3895
B 174 CR	10232544
B 174 N-FG	958.6801
B 174 DN-FG	958.6802
B 174-4.8 N	958.1044
B 174-4.8 DN	958.1046
B 187 DN	958.6803
B 20 N	958.6804
B 20 DN	958.5010
B 20 CR	10523556
S 21 N	957.9299
S 21 DN	957.9485
S 21 DN-FG	958.6806
S 25 DN	959.5748
S 43-3.6 N	10414980
S 43-3.6 DN	10231503

Cup spring SE 7 / 8 / 9 / 10	Part No.
B 174 N	954.1943
B 174 DN	954.1944
B 174-4.8 N	958.6689
B 174-4.8 DN	958.6688
B 174 N-FG	954.5613
B 174 DN-FG	954.5614
B 187 DN	956.2116
B 20 N	957.4542
B 20 DN	954.6124
S 21 N	957.4543
S 21 DN	954.1946
S 21 DN-FG	954.4098
unlabelled	954.5429

Additional types available on demand

SOLIDRING and Opening Rollers

Opening Rollers

Opening roller SE 7 / 8	
B 174 N	10171050
B 174 DN	10171053
B 174-4.8 N	10171023
B 174-4.8 DN	10171022
B 187 DN	10170976
B 20 N	10171052
B 20 DN	10171029
S 21 N	10170975
S 21 DN	10171055

Opening roller SE 9	
B 174 N	10171415
B 174 DN	10171414
B 174 N-FG	958.6816
B 174 DN-FG	958.6817
B 174-4.8 N	10171340
B 174-4.8 DN	10171319
B 187 DN	10171445
B 20 N	10171419
B 20 DN	10171418
S 21 N	10171341
S 21 DN	10171412
S 43-3.6 N	11041590

Opening roller SE 10	
B 174 N	958.6825
B 174 DN	958.6826
B 174-4.8 N	958.6868
B 174-4.8 DN	958.6869
B 187 DN	958.6827
B 20 N	958.6828
B 20 DN	958.6829
S 21 N	958.6830
S 21 DN	958.6831

Opening roller SQ	
B 174 DN	959.1398
B 174-4.8 N	958.2287
B 174-4.8 DN	958.2288
B 20 N	959.2391
B 20 DN	959.2906
S 21 N	957.9298
S 21 DN	957.9484

Opening roller SC	
B 174 N	958.0259
B 174 DN	958.0258
B 174-4.8 N	958.1043
B 174-4.8 DN	958.1045
B 187 DN	958.6874
B 20 DN	958.5011
S 21 N	957.9650
S 21 DN	957.8210

Opening roller bearing with SOLIDRING seat, without clamp ring	
SE 7 / 8 / 9	958.2567
SE 9 FG	959.3496
SE 10/11/12/SQ	955.8427
SC	959.0073

Opening roller bearing, complete	
SE 7 / 8	958.2286
SE 9	958.2568
SE 9 FG	954.4083
SE 10/11/12/SQ	955.4461
SC	959.0072

Additional types of opening rollers available on demand

SOLIDRING and Opening Rollers

Additional Components for Opening Roller

958.2286
Opening roller bearing, complete
SE 7 / 8

958.2568
Opening roller bearing, complete
SE 9

954.4083
Opening roller bearing, complete
SE 9 FG

955.4461
Opening roller bearing, complete
with ventilation groove
SE 10 / 11 / 12 / SQ

959.0072
Opening roller bearing, complete
SC

953.5489
Clamping ring
SE 7 / 8

953.5488
Clamping ring
SE 9 / 10 / 11 / 12 / SC / SQ

SOLIDRING and Opening Rollers

Flanges and Locking Screws

955.5974
Flanged wheel
SE 7 / 8 / 9

955.5610
Flanged wheel
SE 9 FG

957.0368
Flanged wheel
SE 10

10957709
Flanged wheel
SE 11 / SE 12

957.7350
Flanged wheel
SC / SQ

954.1910
Clamping screw
SE 7 / 8 / 9 / 10

10235002
Clamping screw
SC / SQ

10975976
Clamping screw
SE 11 / 12

953.5489
Clamping ring
SE 7 / 8

Modification Kit SE 7 / 8

953.5488
Clamping ring
SE 9 / 10 / 11 / 12 / 20 / SC / SQ

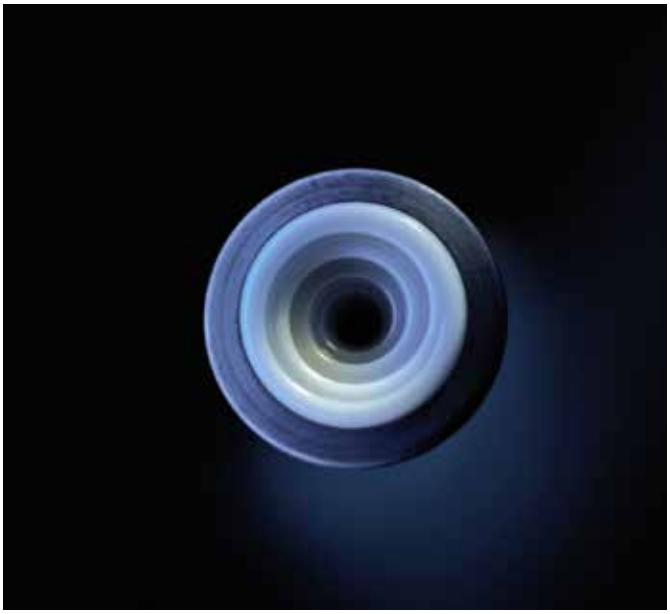
958.6681
Modification kit without bearing
SE 7 / 8

958.3406
Countersunk screw
SE 7 / 8

957.5105
Flanged wheel
SE 7 / 8

Navels

*Pro*FiL®Navels



The selection of rotor and navel has a considerable influence on the yarn character. The navel is responsible for yarn hairiness and spinning stability.

Notches and whirls mainly produce hairiness of different levels. Notches and surface structure are responsible for the spinning stability. The influence of the surface structure on spinning stability rises with increasing rotor speed. To achieve optimum results, different fibre raw materials require different surface structures.

Our standard navels have been conceived for applications which do not permit high take-off speeds. They are more economic in case of raw material with:

- a high percentage of short fibres
- a high percentage of trash
- a high micronaire

Our ***Pro*FiL®**Navels on the other hand are perfect for applications with the corresponding fibre raw material enabling or requiring high take-off speeds.

SUESSEN Navels are available for all Autocoro-SpinBox types SE 7 to SE 20 and for SUESSEN SpinBox SC and SQ, in numerous designs for a variety of materials and applications.

At high take-off speeds, the influence of the ceramic surface of the navels on fibre damages is unquestioned. ***Pro*FiL®**Navels are made of state-of-the-art ceramic composites guaranteeing a very smooth surface without pores and therefore minimize thermal damages to the fibres.

Another important parameter considering potential production increase is the navel geometry. The geometry of the ***Pro*FiL®**Navels has been optimized especially in the yarn contact areas. So the ***Pro*FiL®**Navels reduce the spinning tension level and allow in contrast to standard navels

- higher production speeds without affecting the yarn quality, nor causing more end-breaks at the higher spinning speeds,
- reduction of the ends-down rate and improved yarn quality at the original spinning speeds.

***Pro*FiL®**Navels allow highest possible yarn production speeds. The spinning speed can be increased by 5 to 12 % without affecting the yarn quality or increasing the ends-down level.

Navels

SE 7 / 8 / 9			
Type	**Part No.**	**Type**	**Part No.**
KN	958.6236	KN8R R4	958.9580
KN R4	959.0651	KN8 2R4	10974747
KN4	11108578	KS	958.6352
***Pro*FiL®** 4	11108592	***Pro*FiL®** S	11108589
KN3	11108576	KS R4	958.6355
KN4 R4	11108579	KS 2R4	958.8109
KN4 2R4	11108591	KS M	10231988
***Pro*FiL®** 6	10495182	***Pro*FiL®** SM	11108590
KN8	958.6235	MIMA 1	958.6116
KN8R	959.0688	MIMA 2	958.6117
KN8 R4	958.6684		

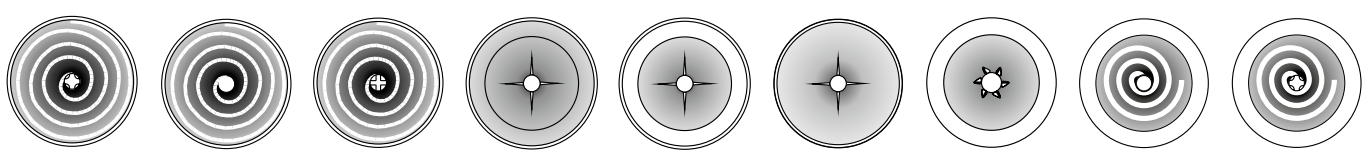
SE 10 / 11 / 12 / 20 / SC / SQ			
Type	**Part No.**	**Type**	**Part No.**
KN	10231648	KN8R R4	10231727
KN R4	10231716	KN8 2R4	10231724
KN4	11108686	KN8R 2R4	10231731
***Pro*FiL®** 4	11108772	KS	10231732
KN3	11108684	***Pro*FiL®** S	11108799
KN4 R4	11108733	KS R4	10231733
KN4 2R4	11108738	KS 2R4	10231735
***Pro*FiL®** 6	10494908	KS M	10231745
KN8	10231720	***Pro*FiL®** SM	11108815
KN8R	10231726	MIMA 1	10231736
KN8 R4	10231723	MIMA 2	10231737

958.6351
Washer for
navel 1.5 mm
SE 7 / 8 / 9

10097649
Magnet washer for
navel 1.5 mm
SE 10 / 11 / 12 / 20 / SC / SQ

10097650
Magnet washer for
navel 3.0 mm
SE 10 / 11 / 12 / 20 / SC / SQ

10400808
Magnet washer for
navel aluminium 1.5 mm
SE 10 / 11 / 12 / 20 / SC / SQ



TwinDisc

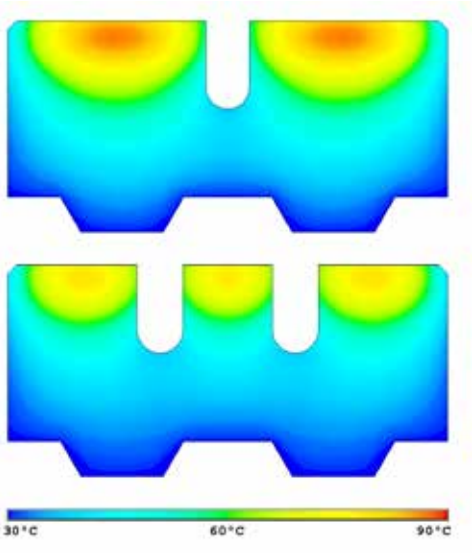


Fig. 1
SUESSEN TwinDisc, new standard: comparison of heating characteristics of tires with 1 or 2 cooling grooves respectively at identical rotor speed

Fig. 2
Hydrolysis on TwinDisc

In 1971, SUESSEN invented the first TwinDisc bearing for OE spinning machines. Owing to its vast experience with TwinDisc bearings, SUESSEN has developed the patented design with two cooling grooves, which considerably reduce the heat on the TwinDiscs even at highest rotor speeds (see Fig. 1). A reduced heat on the tires will increase the operating life substantially.

A multitude of tests have proved that the heat is dissipated from the tire by means of the cooling grooves. Heat dissipation through the body, as claimed by some other manufacturers, is irrelevant in practice.

The low weight of Original SUESSEN TwinDiscs reduces slippage when the rotor is started or stopped.

Polyurethane tires of SUESSEN TwinDiscs are manufactured by casting. The tires are very homogeneous and non-porous. Only cast tires have an optimum molecular cross-linking and offer excellent damping properties at a relatively high Shore hardness. The low flexing work of the tires ensures a long operating life and low energy consumption. In addition, cast tires have a high resistance against hydrolysis and are capable to carry high dynamic loads caused by the contact pressure and impacts of the rotor shaft. Problems as shown in Fig. 2 are prevented.

The power consumption of TwinDisc bearings is not influenced by the shape of the revolving components, but considerably by the TwinDisc tires. In contrast with the discs of other manufacturers, the energy consumption of SUESSEN TwinDiscs is lower (see Fig. 3). Hence at a rotor speed of 120,000 rpm about 4.0 W per spinning position is saved compared to the competitors' discs.

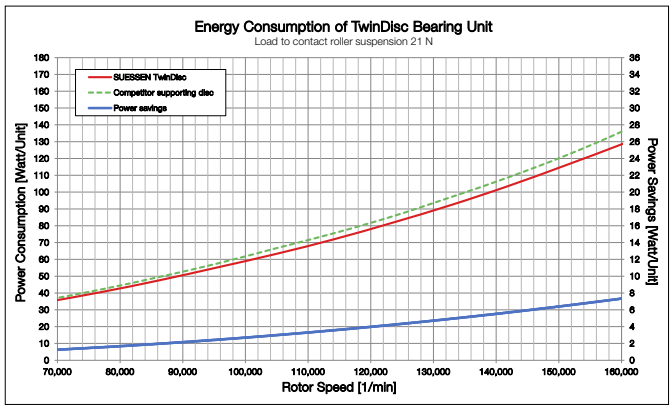
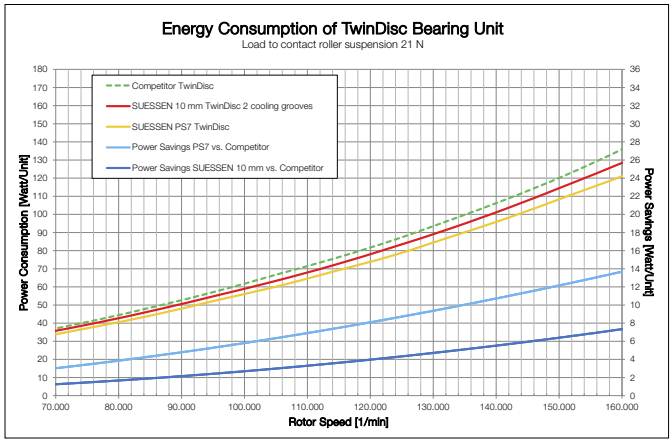


Fig. 3

PS7 TwinDisc
Power **S**aving **7** mm TwinDisc



The most energy consuming device in an Open-End machine is the rotor drive, especially the TwinDisc bearing unit. Out of the total power consumption of the rotor spinning machine, the share of the rotor drive is between 50 to 70 %, depending on the machine length and rotor speed.

The main reason for the high power consumption of the TwinDisc bearing unit is the flexing work between the rotor shaft and its supporting points on the TwinDiscs. Mainly caused by the pressure of the tangential belt, which is needed to secure a consistent acceleration of the rotor.

With these facts in mind, SUESSEN has developed the PS7 TwinDisc which is 7 mm wide and has a newly designed V-shaped cooling groove. Several tests and measurements under mill conditions have proven an equal heat dissipation of the PS7 TwinDisc and the SUESSEN 10 mm TwinDisc with its advantageous 2 cooling grooves.

The advantages of the proven rubber properties and production method remain the same.

With the new PS7 TwinDisc SUESSEN has narrowed the supporting points of the TwinDiscs and rotor shaft. Which subsequently reduces flexing work and therefore reduces the energy consumption significantly.

The SUESSEN TwinDisc with 2 cooling grooves already reduces the energy consumption compared to the competitors' TwinDiscs (see dark blue line in the graphic). The new PS7 TwinDisc reduces the energy consumption even further (see light blue line). For example at a rotor speed of 120,000 rpm the PS7 TwinDiscs save 8.0 W per spinning position compared to the competitors' discs. On a machine with 288 spinning postions this adds up to almost 80,000 kWh per machine in the 4 year life span of the PS7 TwinDisc.

The PS7 TwinDisc can be fitted with the standard TwinDisc fitting tool for SE 9-12 and does not require any additional distance disk or pressure piece.

The SUESSEN PS7 TwinDiscs are available for all Autocoro SpinBoxes SE 9 to SE 12, SUESSEN SpinBoxes SC and SQ9.

TwinDisc

*Pro*FiL®Reflector

SE 7 / SQ 7	Part No.
TwinDisc N with 2 cooling grooves	958.6839
TwinDisc R with 2 cooling grooves	958.6840
TwinDisc roll N	958.6833
TwinDisc roll R	958.6834
TwinDisc bearing	802.7903

SE 8 / SQ 8	Part No.
TwinDisc N with 2 cooling grooves	958.6841
TwinDisc R with 2 cooling grooves	958.6842
TwinDisc L with 2 cooling grooves	10586713
TwinDisc roll N	958.6835
TwinDisc roll R	958.6836
TwinDisc roll L	10913318
TwinDisc bearing	952.6058

SE 9 / 10 / 11 / 12 / SQ 9 / SC	Part No.
TwinDisc N with 2 cooling grooves	958.6843
TwinDisc R with 2 cooling grooves	958.6844
TwinDisc L with 2 cooling grooves	10447546
TwinDisc roll N	10403973
TwinDisc roll R	10589715
TwinDisc roll L	10492491
TwinDisc PS7 N	10937323
TwinDisc PS7 R	10938733
TwinDisc PS7 L	10938075
TwinDisc roll PS7 N	10987626
TwinDisc roll PS7 R	10987623
TwinDisc roll PS7 L	10987603
TwinDisc bearing	11084115

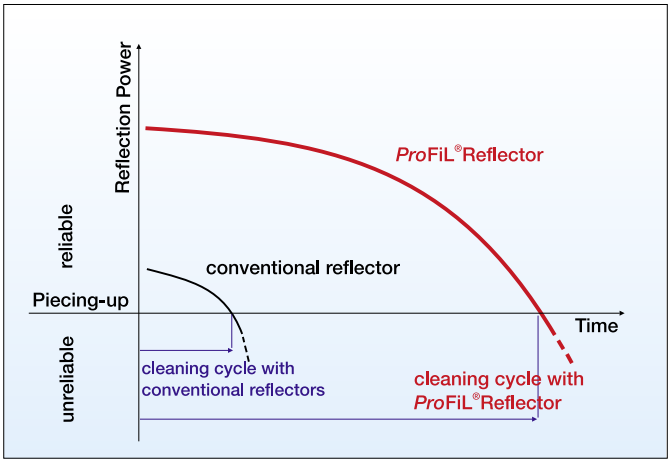
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ	Part No.
***Pro*FiL®Reflector**	10147672

SUESSEN has developed a new reflector, the red ***Pro*FiL®Reflector**. Its reflective power is up to four times better than that of conventional reflectors, which results in much higher reliability of the piecing process over extended periods of time.

With the same degree of contamination, the speed detection is disturbed comparatively less often, resulting in better efficiency.

The red colour reduces so-called false signals, which are due to defects in the reflector disc (e.g. scratches), especially in the non-reflecting areas of the disc. As a result, the efficiency of the piecer carriage remains higher over longer periods of time. This has a direct positive effect on the machine efficiency.

Furthermore, cleaning intervals are extended up to four times and even more. Therefore, machine down time due to cleaning is significantly reduced. (See diagram)



Torque Stop

SE 7 / 8 / 9 / SC / SQ	Part No.
Torque Stop complete green TS 30-0-G	956.2114
Torque Stop complete red TS 30-3-R	956.2115
Torque Stop complete white TS 30-3-W	956.2762
Torque Stop complete black TS 30-3-S	956.2654
Torque Stop Clip green	957.5120
Torque Stop Clip red	957.5122
Torque Stop Clip white	957.5123
Torque Stop Clip black	957.5121
Take-off tube complete TS 30	956.3697
Take-off tube complete	no longer available
O-Ring	954.0948
Take-off tube complete TS 37	953.6435
O-ring for take-off tube TS 37	294.0113

SE 10	Part No.
Torque Stop complete green TS 30-0-G	958.6875
Torque Stop complete red TS 30-3-R	958.6876
Torque Stop complete white TS 30-3-W	958.6878
Torque Stop complete black TS 30-3-S	958.6877
Torque Stop Clip green	957.5120
Torque Stop Clip red	957.5122
Torque Stop Clip white	957.5123
Torque Stop Clip black	957.5121
Take-off tube complete	957.5332
O-ring	958.1005

SE 11 / 12	Part No.
Torque Stop green	10842001
Torque Stop red	10841990
Torque Stop white	10841984
Torque Stop black	10842002
Take-off tube complete	10976009

956.3697
Take-off tube complete
TS 30
SE 7 / 8 / 9 / SC / SQ

953.6435
Take-off tube complete
TS 37
SE 7 / 8 / 9 / SC / SQ

Take-off tube complete
SE 7 / 8 / 9 / SC / SQ
No longer available
Alternative product
Torque Stop complete
956.2114

957.5332
Take-off tube complete
SE 10

10976009
Take-off tube complete
SE 11-12

954.0948
O-Ring for take-off tube
SE 7 / 8 / 9 / SC / SQ

294.0113
O-Ring for take-off tube TS 37
SE 7 / 8 / 9 / SC / SQ

958.1005
O-Ring for take-off tube
SE 10

10232284
Flange eye
SE 7/8/9/10/11/12/20/SC/SQ

956.1089
Threaded pin
SE 7 / 8 / 9

Channel Plates

Channel plate without valve lever	
SE 7 / 8 / 9	
KP 31 F	958.6845
KP 31 U	958.6847
KP 33 F	958.6849
KP 36	958.6851
KP 40	958.6853
KP 40 F	958.6855
KP 46	958.6857
KP 56	958.6859

Channel plate with valve lever	
SE 7 / 8 / 9	
KP 31 F	958.6846
KP 31 U	958.6848
KP 33 F	958.6850
KP 36	958.6852
KP 40	958.6854
KP 40 F	958.6856
KP 46	958.6858
KP 56	958.6860

Channel plate adapter	
SE 10	
28	957.7502
31	957.6225
36	957.6242
40	957.6228
46	957.8379
56	957.8463

Adapter	
SE 11 / 12 / 20	
28	10972606
31	10729134
36	10998640
40	10998652

Channel Insert	
SC 1-M / SQ B1	
28	11085443
31	11085584
40	11085754
46	11085826

Channel Insert with Speedpass	
SC 2-M / SQ B2	
28	11113012
31	11114880
40	11120457
46	11120610

Channel plate with valve lever
SE 7 / 8 / 9

Channel plate Adapter
SE 10

Channel Insert
SC / SQ

Adapter
SE 11 / 12 / 20

953.0468
Adapter ring
KP 46
SE 8 / 9

958.6832
Support plate
SE 10

957.6345
Support plate
SQ

Channel Plates

Accessories

954.1059
Sealing ring
SE 7 / 8 / 9 / 10

957.4679
Sealing ring
SE 10

957.6028
Sealing ring new
SE 10

957.4678
Sealing ring old
SE 10

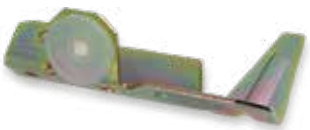
10975967
Sealing ring
SE 11-20

10509626
O-Ring for adapter
SE 11-20

11070459
Seal adapter plate
SE 11-20

956.0783
Sealing ring
SC / SQ

953.8601
Leg spring
SE 7 / 8 / 9 / SC / SQ



953.9249
Valve lever complete
SE 7 / 8 / 9 / 10 / SQ

953.8600
Sealing plate
SE 7 / 8 / 9 / 10 / SQ

SUESSEN recommend to use Adhesive Elastosil® E41 for all sealing rings and to procure it locally, because it is declared as dangerous goods class 3.

Adhesive Elastosil® E41,
90 ml tube

Fibre Channels

956.4818
Fibre channel complete
SE 7 / 8

955.9408
Fibre channel complete D-FG
SE 9

958.6517
Fibre channel complete U
SE 9

955.9407
Fibre channel complete D
SE 9

958.6892
Fibre channel complete
SE 10

10427594
Fibre channel complete
SC

10384853
Fibre channel complete
SQ

954.8526
Sliding piece
SE 7 / 8 / 9

957.7507
Sliding piece
SE 10

957.7504
Sliding piece
SQ

952.6756
Sealing ring fibre channel
SE 7 / 8 / 9 / 10 / SQ

10975963
Fibre channel seal
SE 11 / 12 / 20

Side Walls

953.3832
Side wall
SE 7 / 8

955.9192
Side wall D-FG
SE 9

956.0205
Side wall U
SE 9

955.9193
Side wall D
SE 9

957.5171
Cover housing
SE 10

10427240
Cover housing
SC 1 M / SQ B1

10427425
Cover housing
SC 2 M / SQ B2

Combination Side Walls / Fibre Channels / Channel Plates						
SpinBox type	**Side wall**	**Type**	**Fibre channel**	**Type**	**Channel plates with valve lever**	
SE 8	953.3832		956.4818		KP 31 U KP 36 KP 40 KP 46 KP 56	958.4848 958.6852 958.6854 958.6858 958.6860
SE 9	955.9192	D-FG	955.9408	D-FG	KP 31 F KP 33 F KP 40 F KP 36 (optional)	958.6846 958.6850 958.6856 958.6852
SE 9	956.0205	U	958.6517	U	KP 31 U KP 36 KP 40 KP 46 KP 56	958.4848 958.6852 958.6854 958.6858 958.6860
SE 9	955.9193	D	955.9407	D	KP 31 U KP 36 KP 40 KP 46 KP 56	958.4848 958.6852 958.6854 958.6858 958.6860
SE 10	957.5171		958.6892		Supporting plate SE 10	958.6832
SQ B 1	10427240		10384853		Support plate SQ	957.6345
SQ B 2	10427425		10384853		Support plate SQ	957.6345
SC 1M	10427240		10427594			
SC 2M	10427425		10427594			

955.9783
Sealing profile
SE 9

956.9069
Sealing profile
SE 10

957.7506
Sealing profile
SC / SQ

958.5813
Bushing for Bypass
SC / SQ

Sliver Condensers

958.6861
Condenser
SE 7 / 8 / 9

957.8353
Condenser
SE 10 / SQ

959.0753
Condenser
SC

957.1850
Sliver guide SC
Diameter 14 mm

958.3425
Sliver guide SC
Diameter 10 mm

10963482
Condenser yellow
SE 11-20

10963483
Condenser
Coarse yarn
SE 11-20

Suessen

SpinBox Parts

Accessories for Opening-Roller Housing

232.0170
Cylindrical pin
SE 7 / 8 / 9

10258863
Cylindrical pin
SE 10 / SC / SQ

953.5536
Supporting piece
SE 8 / 9 / 10 / SQ

954.0911
Brake spring
SE 9 / 10 / SQ 9

955.8878
Locking lever
SE 9

956.7371
Locking lever
SE 10

957.6343
Locking lever
SQ

958.5348
Locking lever
SC

10976004
Locking lever
SE 11

10975970
Locking lever
SE 11-20

958.2093
Eccentric
SC

10258869
Locking disc
SE 9 / 10 / SC / SQ

Rotor Housings and Air Seals

955.5125
Rotor housing complete
SE 8

955.5124
Rotor housing
SE 8

957.2737
Rotor housing complete
SE 9 / 10

957.2736
Rotor housing
SE 9 / 10

958.3403
Rotor housing complete
SQ 8

958.3404
Rotor housing
SQ 8

958.9376
Rotor housing complete
SQ 9

958.9377
Rotor housing
SQ 9

10153133
Rotor housing complete
SC

10965724
Rotor housing complete
SE 11 / 12

10964496
Rotor housing
SE 11 / 12

953.3895
Seal collar
SE 7 / 8 / SQ 8

954.1036
Seal collar
SE 9 / 10 / 11 / 12 / SQ 9

958.0265
Air seal
SC

953.0738
Sealing ring
SE 7 / 8 / 9 / 10 / 11 / 12 /
SC / SQ

957.0631
Rotor seal
SE 7 / 8 / SQ 8

953.3898
Washer
SE 7 / 8 / SQ 8

Oil Containers and Seals

953.8095
Oil container
SE 8

953.3767
Oil container
SE 9 / 10

954.0362
Sealing ring
SE 8

956.8196
Sealing ring
SE 9 / 10

10975978
Seal
SE 11

956.2594
Oil felt, saturated 24 pcs.
SE 8 / 9 / 10

10966397
Oil felt, saturated 24 pcs.
SE 11

952.8511
Seal
SE 8

952.8510
Lid thrust bearing housing
SE 8

958.3463
Lid thrust bearing housing
SQ 8

957.0297
Thrust bearing housing lid
SE 9 / 10 / SC / SQ 9

957.4757
Thrust bearing housing lid complete
SE 9 / 10 / SC / SQ 9

247.0382
Ball 12 mm
SE 7 / 8 / 9 / 10 / 11 hybrid

Thrust-Bearing Seals

954.1595
Thrust-bearing seal
SE 7 / 8

953.2873
Sealing ring
Thrust-bearing seal
SE 7 / 8

956.1867
Thrust-bearing seal
SE 9 / 10

953.4408
Sealing ring
Thrust-bearing seal
SE 9 / 10 / 11 / 12

10976005
Thrust bearing seal
SE 11

10998234
Sealing ring
Thrust-bearing seal
SE 11 / 12

10480052
Adjustment spindle
SE 7 / 8 / SQ 8

10455566
Adjustment spindle
SE 9 / 10 / SC / SQ 9

*Pro*FiL®Cartridge

10324794
***Pro*FiL®**Cartridge
Packing unit 24 pcs.
SE 7 / 8 / SQ 7 / SQ 8

10324795
***Pro*FiL®**Cartridge
Packing unit 24 pcs.
SE 9 / 10 / 11 / 12 / SC / SQ 9

10328152
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 8

10487815
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 9 / 10 / 11 hybrid

10582711
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 11 / 12 magnetic

Brake Linings

955.0132
Brake pad
SE 8 / SQ 8

10386594
***Pro*FiL®**Brake pad
SE 9 / 10 / 11 / 12 / SC / SQ 9

953.9587
Thin nut
SE 9 / 10 / 11 / 12 / SC / SQ 9

10258837
Oval head screw M5x12

225.0088
Spring ring

955.4221
Hang up part
SE 9 / 10 / 11 / 12 / SC / SQ 9

953.6213
Hang up ring
SE 9 / 10 / 11 / 12 / SC / SQ 9

954.1937
Roll
SE 9 / 10 / 11 / 12 / SC / SQ 9

957.7527
Brake spring reinforced
SE 9 / 10

Couplings

956.4823
Coupling gear
SE 7 / 8 / 9

957.4767
Coupling gear
SE 10

10233063
Coupling gear
SC

959.0074
Coupling gear
SQ

Couplings

958.6701
Worm gear
SE 7 / 8 / 9 / 10 / SQ

958.6891
Worm gear complete
SE 7 / 8 / 9 / 10 / SQ

10447234
Worm gear for slub yarn device
SE 7 / 8 / 9 / 10 / SQ

10447236
Worm gear for slub yarn device complete
SE 7 / 8 / 9 / 10 / SQ

10964831
Worm gear
SE 11

957.6524
Worm gear
SC

10145483
Worm gear complete
SC

10688971
Worm gear for slub yarn device, SC

10688960
Worm gear for slub yarn device complete, SC

955.0663
Armature plate
SE 7 / 8 / 9 / 10 / SC / SQ

289.2718
Oval head screw

10258843
Hexagon nut
SE 7 / 8 / 9 / 10 / SC / SQ

10964399
Armature plate, SE 11

10161149
Screw for plastic, SE 11

952.3024
Coupling cone
SE 7 / 8 / 9 / 10 / 11 / 12 / 20

958.6377
Coupling cone
SC / SQ

951.1986
End cover
SE 7 / 8 / 9 / 10 / SC / SQ

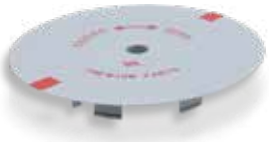
952.7953
Washer
SE 7 / 8 / 9 / 10 / SC / SQ

Cover Plates

952.8839
Cover plate
SE 7 / 8

955.8133
Cover plate
SE 9

957.6367
Cover plate
SE 10



11048238
End cover grey
SC / SQ

10974174
Cover plate yellow
SE 11

10974176
Cover plate black
SE 11 / 12

Accessories SpinBox

954.9855
Guide sleeve
SE 9 / 10 / 11 / 12 / SC / SQ 9

954.9856
Transfer bushing
SE 9 / 10 / 11 / 12 / SC / SQ 9

958.8494
Cable duct
SC

957.9434
Adapter cable
SC

Tension Pulleys

954.1030
Compensating piece
blue 5 mm
SE 8 / SQ 8

953.5569
Compensating piece
red 5 mm
SE 9 / 10 / 11 / 12 / SC / SQ 9

954.8617
Compensating piece green 7 mm
SE 9 / 10 / 11 / 12 / SC / SQ 9

953.4403
Pressure piece
SE 9 / 10 / 11 / 12 / SC

952.7841
Tension roller
SE 8 / SQ 8

10558493
Tension roller
SE 9 / 10 / 11 / 12 / SQ 9

957.6280
Tension roller
SC

956.2460
Guide roller
SE 9 / 10 / 11 / 12 / SC / SQ 9

954.5474
Safety lever
SE 8 / SQ 8

953.3765
Safety lever
SE 9 / 10 / SC / SQ 9

10656672
Energy-saving flat spring
SE 9

Accessories SpinBox Cover

11084153
Press roller
SE 7 / 8 / 9 /10

11070933
Press roller with flange
SC

11084117
Press roller without flange
SE 8 / 9 / 10

10756073
Press roller with flange
SE 7 / 8 / 9 / 10 / SC / SQ

10969873
Press roller
ACO 312-480

10783324
Press roller with support
ACO 312-480

951.6947
Opener block
SE 7 / 8 / 9 / 10 / SQ

958.0225
Opener block
SC

952.7751
Bearing bushing left
SE 8 / 9

953.2773
Bearing bushing right
SE 8 / 9 / 10

956.8274
Bearing bushing left
SE 10

956.4944
Swivel pin
SE 10

Accessories SpinBox Cover

953.3146
Locking roll
SE 8

955.2920
Cover plate
SE 9

954.9246
Stud
SE 9

10975966
Flap
SE 11 / 12

10980541
Flap
SE 12

953.8042
Flat spring
SE 9

957.4389
Flat spring
SE 10

10968791
Flat spring
SE 11 / 12

Accessories Worm Gear Shaft

10555539
Cover worm short
SC

10555562
Cover worm long
SC

958.4957
Lid
SC

958.2096
Flange
SE 7 / 8 / 9 / 10 / SC

10119501
Bearing block left
SC

957.1506
Bearing block right
SC

Suessen

Additional Spare Parts

Winding Head

Driving Rollers

958.5298
Driving roller
SRK to SRZ
- ACO 480

10778180
Driving roller SRK
- ACO 480

10778181
Driving roller SRZ
- ACO 480

10966630
Driving roller Optidrive
SRZ - ACO 480

Take-up Rollers

282.0147
Take-up roller hard
- ACO 480

10311532
Cot hard
- ACO 480

10980570
Take-up roller hard
ACO 8

10980567
Cot hard
ACO 8

10965176
Cap
- ACO 480

Winding Head

Yarn guides and flange bearings

289.3862
Yarn guide
- ACO 312

10980543
Yarn guide
ACO 360, 480

247.1867
Flange bearing
- ACO 480

Covers and lamps

282.0118
Signal lamp MFW
ACO 240

10966327
Signal lamp
ACO 288 - ACO 480

286.6366
Lamp
LC 24V 4W
- ACO 240

10964445
Push button
- ACO 480

10973297
Pressure spring
- ACO 480

Winding Head

Housings

10964815
Housing
ACO 240

10979944
Housing gray
ACO 240

282.0009
Housing gray
ACO 288-480

10979945
Housing light blue
ACO 288-480

282.0229
Cover, light gray
- ACO 480

10964343
Lid EFW
ACO 288-480

282.0232
Knurled screw
- ACO 480

282.0139
Lever EFW
ACO 240-480

Winding Head

Buttons, Forcing Levers and Accessories

282.0115
Forcing lever MFW
- ACO 240

282.0116
Forcing lever MFW
- ACO 288

10966491
Forcing lever
- ACO 288

289.3980
Ball socket Ø 6
- ACO 480

10964468
Spherical cap
- ACO 480

10973982
Cap
- ACO 288

10964467
Lift bow
- ACO 480

Winding Head

Additional components

958.2618
Shock Absorber
SE 7/8/9/10

10503703
Shock Absorber
SE 11/12

289.3969
Dampening cylinder
- ACO 480

10964337
Clamping plate
- ACO 480

958.7953
Retraction lever
- ACO 480

10957365
Eccenter bolt
- ACO 480

10964394
Detention pawl
- ACO 480

10964887
Roll
- ACO 480

10972398
Guide piece
- ACO 480

247.1878
Self-aligning ball bearing
- ACO 288

Winding Head

Additional components

10957345
Roll
- ACO 480

289.3911
Gearwheel
- ACO 480

10964498
Grooved pin, plastic 3x32
- ACO 480

10976006
Gearwheel two-piece
- ACO 480

Guide sheets and collecting trays

289.3977
Guide sheet SRZ
ACO 240 - ACO 288

282.0049
Guide sheet SRK
ACO 240 - ACO 288

282.0207
Collecting tray MFW
- ACO 288

289.3979
Collecting tray EFW
- ACO 288

289.3978
Driving belt
- ACO 480

10965223
O-Ring
- ACO 480

Winding Head

Adapter plates

289.0932
Grooved ball bearing
adapter plate - ACO 480

10973979
Protective disk
- ACO 480

10968059
Screw M 5x10

282.0320
Adapter plate SRZ
- ACO 288

289.4166
Adapter plate SRZ
- ACO 288

10957455
Adapter plate slit SRZ
ACO 312, 360, 480

10957572
Adapter plate SRZ
ACO 312, 360, 480

Winding Head

Springs

289.3993
Pressure spring
- ACO 480

289.3983
Pressure spring
- ACO 480

10973228
Leg spring
- ACO 480

10973251
Leg spring
- ACO 480

10973256
Leg spring
- ACO 480

10973236
Leg spring
- ACO 480

10973305
Pressure spring
- ACO 360

Piecer Carriage, Coromat, DCU

Additional Components Cleaning Head

958.5432
O-Ring holder
Piecer carriage/Coromat

958.5431
Intermediate piece
Piecer carriage/Coromat

294.0395
O-Ring 10x6.5
Piecer carriage/Coromat

10973984
O-Ring
DCU

289.4195
Scraper
Piecer carriage/Coromat/DCU

10964433
Scraper, steel
Piecer carriage/Coromat/DCU

289.4063
Scraper straight RK3
Piecer carriage /Coromat
for rotors ≤ 34 mm

10969852
Plate
Piecer carriage/Coromat

958.5303
Locking spring
Piecer carriage/Coromat/DCU

958.5059
Brush
Piecer carriage/Coromat

Piecer Carriage, Coromat, DCU

Other Additional Components

10972823
Motor 60 W
Piecer carriage

10973070
Motor 100 W
Piecer carriage

282.0437
Thread laying roll
Piecer carriage/Coromat

958.5732
Thread laying roll small
Piecer carriage/Coromat

10964369
Driving roll
SRZ, Piecer carriage

10964318
Driving roll
SRK, Piecer carriage

958.6296
Yarn transport
Piecer carriage

958.8055
Scissors
Piecer carriage/Coromat

Piecer Carriage, Coromat, DCU

Other Additional Components

10965152
Roll, 6000-2Z
ACO 240, ACO 288, ACO 8

10909028
Light barrier laser

958.8004
Coupling cone
Piecer carriage

10964977
Coupling cone
Coromat

247.0390
Deep-groove ball bearing 608-2RS
Piecer carriage

10704728
Deep-groove ball bearing 625-2ZC3
Piecer carriage/Coromat

959.2086
Support lever
Piecer carriage

10964489
Yarn guide bow
Piecer carriage/Coromat

10964486
Slide ring
Coromat

289.4115
Bearing bushing
Piecer carriage/Coromat

Machine Components

10968216
Thermal printer paper
58 mm

289.3582
Coupling BSD-Omega
ACO 240-288

10965094
Butterfly valve, doffer
- ACO 288

10965008
Butterfly valve
Piecer carriage

10972444
Butterfly valve blue
Coromat

Trash Removal Belts

SE 8			
Width (mm)	Length (mm)	Positions	Part No.
40	31.675	120	*
40	37,305	144	*
40	42,935	168	*
40	48,570	192	*
40	54,195	216	*

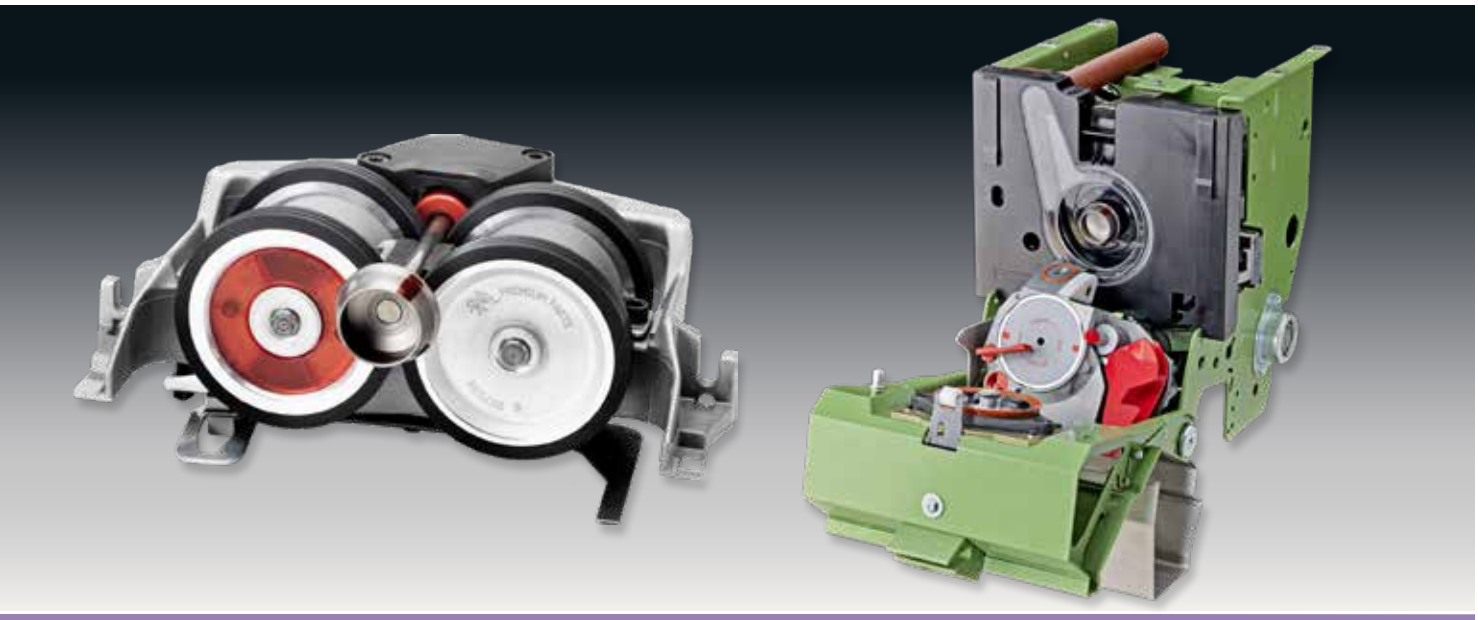
SE 9/10			
Width (mm)	Length (mm)	Positions	Part No,
59	35,260	144	10980273
59	40,860	168	10980274
59	46,460	192	10980299
59	52,060	216	10980275
59	57,660	240	10980277
59	63,270	264	10980300
59	68,870	288	10846344

SE 11/12			
Width (mm)	Length (mm)	Positions	Part No,
115	46,682	192	*
115	52,269	216	*
115	57,857	240	*
115	63,444	264	*
115	69,031	288	10846343
115	74,619	312	10846341
115	80,207	336	*
115	85,793	360	10846345
115	91,380	384	*
115	96,968	408	10980278
115	102,555	432	*
115	108,143	446	*
115	113,730	480	10980280

SE 20 ACO 8			
Width (mm)	Length (mm)	Positions	Part No,
100	47,076	192	*
100	52,664	216	*
100	58,251	240	*
100	63,839	264	*
100	69,427	288	*
100	75,014	312	10980291
100	80,602	336	*
100	86,190	360	10980296
100	91,777	384	*
100	97,365	408	10980297
100	102,953	432	*
100	108,540	446	*
100	114,128	480	10980298

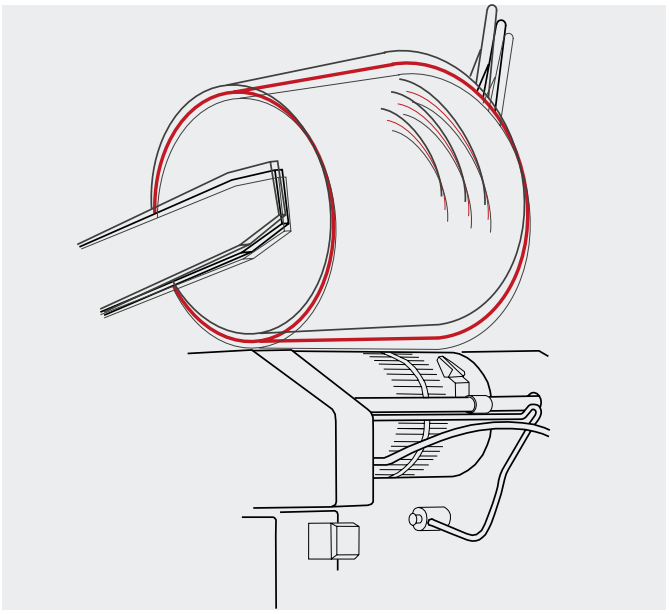
* Available on demand

Suessen



Partial Modernization

ShockAbsorber



Insufficient shock absorbing properties of the package cradle system is often the cause of oval package build-up. This has a particularly negative effect when synthetic and viscose fibres are processed, and at high delivery speeds.

An oval package build-up is associated with numerous side effects:

- „Bouncing“ packages lead to irregular package density (see R.H. Fig. above).
- Packages with a high degree of bouncing are temporarily no longer driven – the yarn forms crinkles on the packages.
- Incorrect length measuring with diameter-related doffing
- Problems with the piecer carriage in finding the upper yarn layer – reduced machine efficiency
- Variable winding tensions and thus deterioration of yarn quality (yarn elongation)
- In case of low winding tension due to shock absorption unreliable functioning of mechanical yarn detectors
- Displaced yarn layers and inexact yarn traverse result in take-off interruptions in subsequent processes (e.g. warping)

The SUESSEN ShockAbsorber cushions shocks with a wedge and a pressure spring, which is pressed exactly against the fixing arm of the package cradle. This ensures a uniform package build-up with constant winding tension and therefore eliminates all problems caused by oval package build-up.

The SUESSEN ShockAbsorber offers the following additional benefits:

- Can be fitted quickly on the machine (within about 10 minutes) – the winding unit need not be dismantled, the old hydraulic shock absorber may remain in the winding unit.
- Functions absolutely free from play
- Does not require any oil
- Does not require any maintenance
- It can be retrofitted either to complete machines or just to individual winding heads.
- Due to the higher machine efficiency the ShockAbsorber has a very short payback period.

The SUESSEN ShockAbsorber is available for all Autocoro machines with SE 7 to SE 12 SpinBox.

ShockAbsorber

Part No.	Description	SpinBox type	Positions
958.2618	ShockAbsorber	SE 7 / 8 / 9 / 10	1
959.5814	ShockAbsorber	SE 7 / 8 / 9 / 10	120
959.4792	ShockAbsorber	SE 7 / 8 / 9 / 10	144
958.7472	ShockAbsorber	SE 7 / 8 / 9 / 10	168
958.7473	ShockAbsorber	SE 7 / 8 / 9 / 10	192
958.6314	ShockAbsorber	SE 7 / 8 / 9 / 10	216
958.9470	ShockAbsorber	SE 7 / 8 / 9 / 10	240
10144709	ShockAbsorber	SE 7 / 8 / 9 / 10	288
10503703	ShockAbsorber	SE 11 / 12	1
10588191	ShockAbsorber	SE 11 / 12	144
available on demand	ShockAbsorber	SE 11 / 12	168
available on demand	ShockAbsorber	SE 11 / 12	192
available on demand	ShockAbsorber	SE 11 / 12	216
available on demand	ShockAbsorber	SE 11 / 12	240
available on demand	ShockAbsorber	SE 11 / 12	288
available on demand	ShockAbsorber	SE 11 / 12	312
available on demand	ShockAbsorber	SE 11 / 12	360

Spare Parts ShockAbsorber

958.2618
ShockAbsorber
SE 7 / 8 / 9 / 10

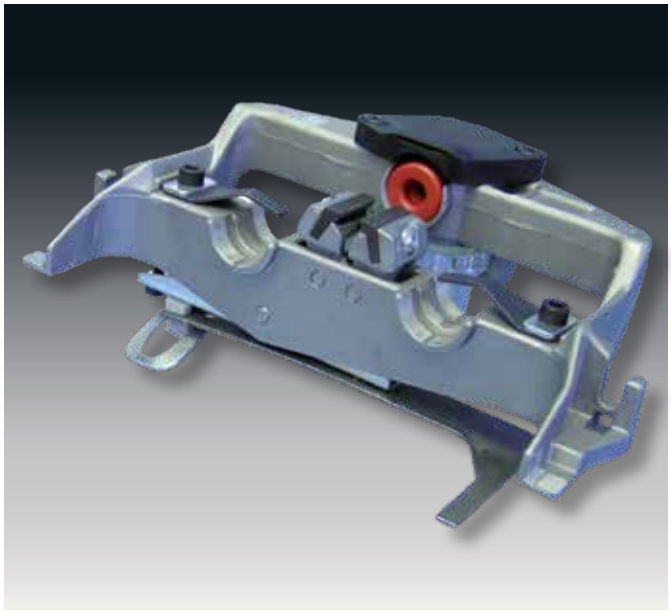
10503703
ShockAbsorber
SE 11 / 12

958.4584
Cover auxiliary shaft
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

289.3779
Pressure spring

958.6259
Wedge

Thrust-Bearing Modernization with *Pro*FiL®Cartridge



Comparison of bearing with ***Pro*FiL®**Cartridge (left) with oil-lubricated bearing (right) after 8 weeks of application spinning 100 % cotton, Ne 24 at 120,000 rpm on the same machine

The SUESSEN ***Pro*FiL®**Cartridge is a rotor bearing without oil emission.

This device avoids the disadvantages of the oil-lubricated thrust ball bearing like oil emission within the SpinBox, blockage of rotors due to oil-contaminated fly, high cleaning and maintenance costs by short maintenance intervals.

The advantages of the ***Pro*FiL®**Cartridge like

- maintenance-free operation
- avoiding of oil leakages and emission of oil mist within the SpinBox, therefore substantial increase of cleaning intervals, which can at least be doubled
- definitely reduced cleaning costs
- no blockage of rotors due to oil-contaminated fly with consequential damages
- no oil changes at the thrust bearing
- clean feed roller drives providing constant driving torques
- accurate axial support of the rotor with steel ball

ensure a short payback period of the conversion.

The package comprises the following components:

- ***Pro*FiL®**Cartridge
- new or reworked TwinDisc bearing unit, including new brake pads, connecting ring and connecting piece
- special setting screw.

The new bearing unit can be easily fitted, just the axial rotor position must be adjusted. Only rotors with ceramic pin ensure the function of the ***Pro*FiL®**Cartridge.

A complete replacement of the TwinDisc bearing unit is not imperative. The existing unit can be reworked. Please contact us, if you are interested.

The SUESSEN ***Pro*FiL®**Cartridge is available for SpinBoxes SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ.

Thrust Bearing Modernization with *Pro*FiL®Cartridge

Part No.	Description	SpinBox type
10328152	Thrust Bearing Modernization with ***Pro*FiL®**Cartridge	SE 8
10487815	Thrust Bearing Modernization with ***Pro*FiL®**Cartridge	SE 9/10/11 hybrid
10582711	Thrust Bearing Modernization with ***Pro*FiL®**Cartridge	SE 11/12 magnetic

Part No.	Description	SpinBox type
959.2194	Thrust Bearing Modernization with ***Pro*FiL®**Cartridge and TwinDisc	SE 8
958.6398	Thrust Bearing Modernization with ***Pro*FiL®**Cartridge and TwinDisc	SE 9/10/11 hybrid

Spare Parts Thrust Bearing Modernization

10324794
***Pro*FiL®**Cartridge
Packing unit 24 pcs.
SE 7 / 8 / SQ 7 / SQ 8

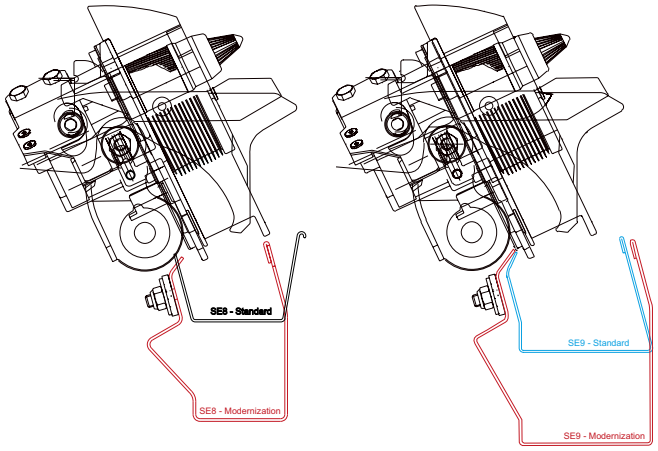
10324795
***Pro*FiL®**Cartridge
Packing unit 24 pcs.
SE 9 / 10 / 11 / 12 / SC / SQ 9

10328152
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 8

10487815
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 9 / 10 / 11 hybrid

10582711
Thrust-bearing modernization with
***Pro*FiL®**Cartridge
SE 11 / 12 magnetic

TrashChannel Modernization



On machines with a high degree of trash extraction, the standard trash removal system is often not sufficient. Due to the narrow dimensions of the standard trash channel, the already extracted trash gets into air turbulences. When it re-enters the SpinBox, it contaminates the spinning unit causing yarn-clearer cuts and yarn breaks. Furthermore, the basically parallel walls of the standard trash channel support the formation of the so-called “lint-rolls”, which worsen the a.m. contamination of the spinning units.

The trash channel of the Premium Parts TrashChannel modernization has an increased depth – known from the SUESSEN SweepCat system – ensuring a safe removal of the extracted trash out of the range of air turbulences. The bend of the back wall prevents the formation of any lint-rolls, so that the contamination of the spinning units is reduced and results in:

- up to 25 % less yarn-clearer cuts
- up to 50 % less end-breaks
- up to 4 % increase in machine efficiency

Considering these results, the pay-back period is up to one year only for most applications.

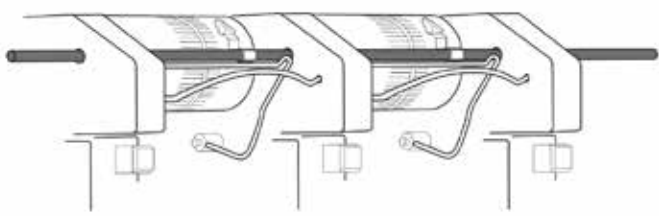
In fact, the only component to be replaced is the trash channel. The complete drive system of the trash conveyor belts is reused as well as the conveyor belts themselves. Consequently maintenance, settings and spare parts of the trash removal system remain the same. This is very comfortable for your spare parts stock and the maintenance personnel.

The TrashChannel Modernization Package is available for SpinBox SE 8/9 on ACO Standard to 288 (SE 10 on demand).

TrashChannel Modernization

Part No.	Description	SpinBox type	Positions
available on demand	TrashChannel Modernization	SE 8 / SQ 8	144
available on demand	TrashChannel Modernization	SE 8 / SQ 8	168
11043778	TrashChannel Modernization	SE 8 / SQ 8	192
11043854	TrashChannel Modernization	SE 8 / SQ 8	216
available on demand	TrashChannel Modernization	SE 8 / SQ 8	240
available on demand	TrashChannel Modernization	SE 9 / SQ 9	144
10738849	TrashChannel Modernization	SE 9 / SQ 9	168
10571081	TrashChannel Modernization	SE 9 / SQ 9	192
10738846	TrashChannel Modernization	SE 9 / SQ 9	216
10523591	TrashChannel Modernization	SE 9 / SQ 9	240
10595655	TrashChannel Modernization	SE 9 / SQ 9	264
10454589	TrashChannel Modernization	SE 9 / SQ 9	288

Carbon-Fibre Rod Modernization



The performance of rotor spinning machines is often limited by the physical characteristics of the yarn-guide rod as well as of the central gear (traverse gear located in the headstock). The limiting factors are, in particular, gear load and deformation (extension/upsetting) of the traverse rod.

Employing a carbon-fibre rod can lead to increased performance in rotor spinning machines, without changing the existing drive components. (See table 1)

The carbon-fibre rod is made of a high-performance material 5 times lighter than steel and with equal stability characteristics. Stress reduction in the traverse gear is about 50 %.

The carbon-fibre rod is available for SRK and SRZ traverse gearing up to ACO 240.

Table 1

	ACO-Take up Speed Original Machine						SUESSEN Carbon-Fibre Rod	
	Steel rod with plain bearings		Steel rod with roller bearings		Steel-coated CFRP rod with roller bearing		Central traverse gear	
Spinning Positions	**SRZ**	**SRK**	**SRZ**	**SRK**	**SRZ**	**SRK**	**SRZ**	**SRK**
288	-	-	142	112	172	142	-	-
264	-	-	152	122	172	142	-	-
240	-	-	162	132	182	152	200	180
216	132	112	172	142	182	152	210	190
192	142	112	182	152	192	162	220	202
	for cross-wound angle 30°		at 33° minus 12 m/min at 35° minus 18 m/min at 39° minus 24 m/min				for crosswound angle 30°	at 33° x 0,91 at 35° x 0,86 at 39° x 0,77

Carbon-Fibre Rod Modernization

Part No.	Description	ACO type	Positions
10324284	Carbon-Fibre Rod Modernization	- ACO 240	168
10324286	Carbon-Fibre Rod Modernization	- ACO 240	192
10284771	Carbon-Fibre Rod Modernization	- ACO 240	216
10324287	Carbon-Fibre Rod Modernization	- ACO 240	240

Spare Parts CFK Yarn Guide Rod

10213467
Guide
Yarn-guide rod

958.5413
Coupling
Yarn-guide rod

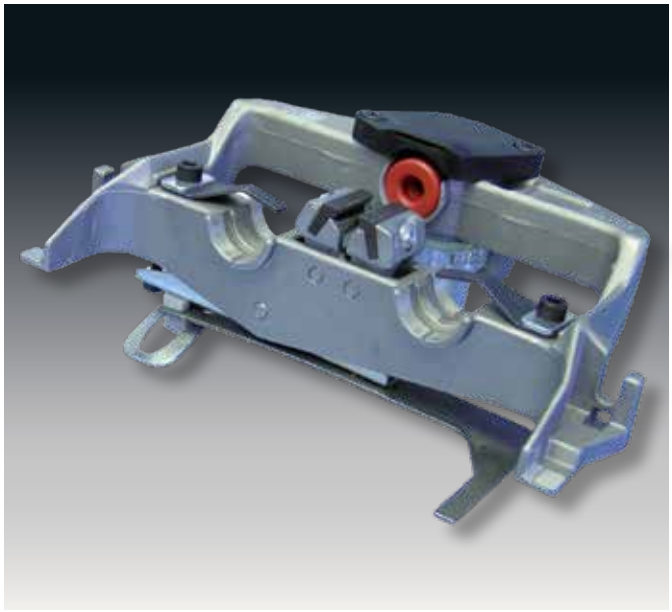
10284776
Coupling
Yarn-guide rod

282.0018
Holder

958.0386
Yarn-guide rod
2808 mm

958.0983
Yarn-guide rod
3040 mm

SE 9 Performance Kit



Plenty of Autocoro SE 9 machines are still in industrial use for various yarn applications. Especially for these machines SUESSEN has tied a package to improve the performance of the machines with regard to:

- reduce the energy consumption
- reduce the down time and labor during a maintenance
- increase the lapse of time between maintenance work
- and increase lifespan of individual components.

The Performance Kit contains:

- the EC bearing unit with the ***Pro*FiL**®Cartridge
- ***Pro*FiL**®Rotor Brake Pads
- reinforced brake spring
- and a new flat spring for the contact roller suspension

Reduced energy consumption

The actually consumed power of the SE 9 TwinDisc bearing unit varies, conforming to the rotor speed, between 75 W at 100,000 rpm and 115 W at 135,000 rpm (see dark blue dashed line in Fig. 1). For a 288 unit machine at say 120,000 rotor rpm this means a total power consumption of about 97 W/unit ≙ 28 kWh – only for the TwinDisc drive.

The new flat spring of the Performance Kit reduces the load to the contact roller suspension and thereby achieves energy savings up to 18 % to 20 % (depending on the rotor speed – see light-blue line in Fig. 1).

This results in about 16 W/unit ≙ 4.6 kWh less power consumption for the same a.m. example machine (see red line in Fig. 1).

The assembly of the new flat spring does not require any new setting to the spring bracket, thus it can be easily mounted in the spinning mill.

Reduced down time

Another substantial benefit of the Performance Kit is the reduction of the down time during a cleaning cycle. The ***Pro*FiL**®Cartridge is an already known grease cartridge which eliminates any oil mist released to the bearing unit. Accordingly fluff and dust do not adhere to the TwinDisc bearing unit as in the case of standard oil-thrust bearings. Fluff and dust simply fall onto the belly pans and can be easily removed; customers' practical experience proves that, due to this advantage, the down time during a cleaning cycle is significantly reduced by at least 25 %. The installation of the EC bearing unit only requires the standard adjustment for axial positioning of the rotor at the first assembly.

SE 9 Performance Kit

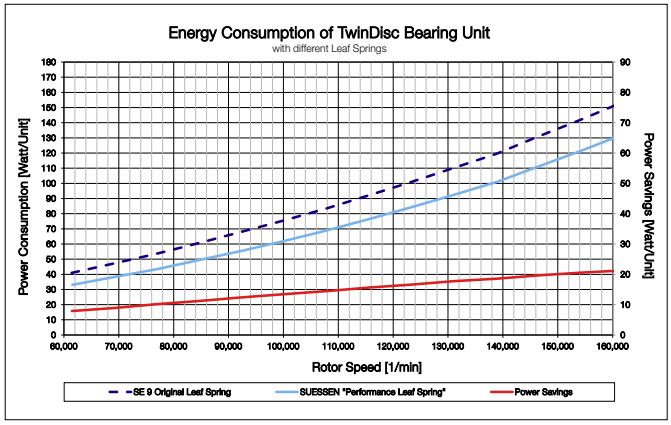


Fig. 1

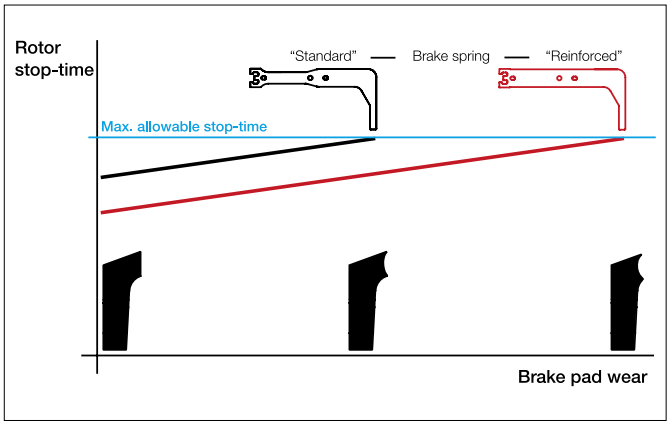


Fig. 2

Extended lapse of time for maintenance

Since the fluff and dust do not adhere to the TwinDisc bearing unit, the necessary cleaning cycles are extended considerably. Most customers report that they could extend the cleaning cycles by at least 50 %.

Increase life-span for brake-pads

The new TwinDisc bearing unit is equipped with a so-called reinforced brake spring. This new spring transmits 20 % more force to the brake assembly, which results in a shorter stop time of the rotors (see Fig. 2). The wear for the specific number of brake actions is the same, but the increased brake force permits to use the same brake pad for 50 % more the number of braking events. Meaning, the brake pads can be worn down further without degrading their performance.

The Performance Kit for Autocoro SE 9 machines reduces the power consumption of the TwinDisc bearing unit on average by 19 % along with the benefits of extended cleaning cycles, less down time during cleaning and more lifespan for the brake pads. This package does not require any service technician of the supplier and can be easily installed by the technicians of the spinning mill. The savings of energy and down time add up to a payback period within one year.

Naturally, the components of the SE 9 Performance Kit are also available separately.

SE 9 Performance Kit

Part No.	Description	SpinBox type
10733020	Performance Kit complete	SE 9

Spare Parts SE 9 Performance Kit

10487815
Thrust-bearing modernization with ***Pro*FiL®**Cartridge
SE 9 / 10 / 11 hybrid

10386594
***Pro*FiL®**Brake pad
SE 9 / 10 / 11 / 12 / SC / SQ 9

10656672
Energy-saving flat spring
SE 9

957.7527
Brake spring reinforced
SE 9 / 10

Piecing-up Package

Fig. 1

Fig. 2

The standard method of operation of the piecer carriage frequently causes ends-down with the following applications:

- yarns with low twist multiplier
- yarns with a high percentage of short fibres
- yarns with poor fibre cohesion
- regenerated fibres

Ends-down during piecing-up are mainly due to:

1. End-breaks due to tension peaks when the take-up roller is getting into contact, as a result of the acceleration of the take-up roller speed from zero to standard speed. This defect becomes visible by frequent lapping on the take-up shaft. (Fig. 1)
2. Yarn-breaks during the transfer of the yarn from the piecer carriage to the winding head as a result of loss of tension at the second lifting of the take-up roller. Due to the centrifugal force in the rotor, the pieced-up yarn is slightly drawn back into the rotor. The resulting thick place causes an end-break due to excessive twist. A repeated number of parallel windings on the yarn package are an indication of this defect. (Fig. 2)

The SUESSEN Piecing-up Package offers a solution to these problems.

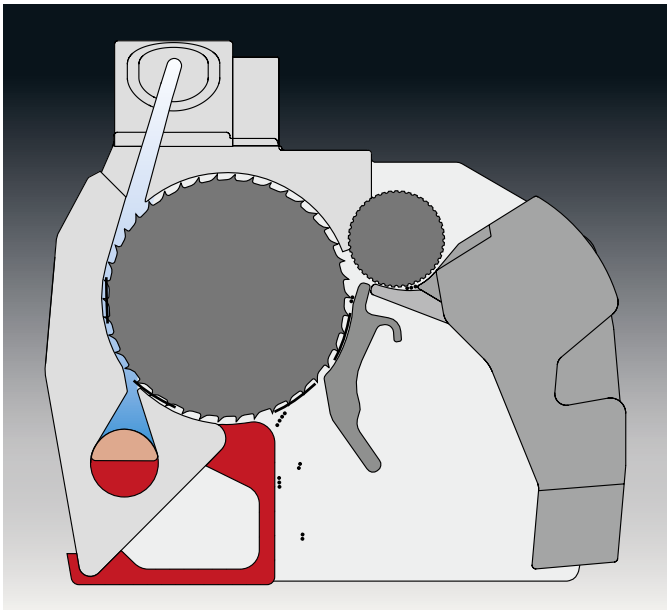
To avoid loss of yarn tension during yarn transfer, the piecer carriage is equipped with a locking cylinder and modified cams.

This permits to eliminate the second lifting of the take-up roller and to optimize the movement of the lifter bail. Yarn tension is improved and yarn transfer to the winding head is more reliable. In addition, the take-up roller is pneumatically driven when getting into contact, so that tension peaks are avoided, which may cause end-breaks and laps on the take-up shaft.

Depending on sliver material and delivery speed, the locking cylinder can be activated or deactivated.

Part No.	Description	Piecer carriage typ
10271519	SUESSEN Piecing-up Package	I + II

TrashAdapter for SC and SQ SpinBox



In view of the search for new markets and market niches, rotor spinning mills intensify their efforts in developing new yarns and applications. In this respect, the raw material sector is most profitable, promising quick benefits. But very soon, spinners reach the technical limits of applying and blending different fibre types, like regenerated fibres or linen etc., set by the given air balance of conventional spinboxes. The SUESSEN TrashAdapter, combined with SUESSEN SpinBoxes SC and SQ, is an optimized system for controlled processing of ”special fibres” into special yarns.

It is specially applicable for processing:

- 100 % regenerated fibres
- blends with linen
- blends of man-made fibres with reclaimed wool
- blends of fancy effects (e.g. slub yarns) etc.

The adapter is an aluminium profile, which is plasma-coated at fibre and trash contact areas.

The adapter is snapped into place as an extension in the side-wall. It reduces the diameter of the trash extraction chute opening and serves as additional fibre guidance.

Using conventional retainer plates, the spinning vacuum should be increased to avoid the extraction of blended fibres, while on the contrary the spinning vacuum should be reduced to ensure extraction of undesired trash. Conventional retainer plates at best permit to find a compromise setting, which is extremely time consuming and can hardly be reproduced later for the repeated production of the special yarn.

Technology of the TrashAdapter

- The adapter prevents the undesired extraction of short fibres and fibres with a high specific weight.
- These fibre types now remain in the spinning process, so that the percentage of each compound in a blend is maintained in the pre-selected ratio as delivered from the finisher draw-frame.
- The extraction of good fibres is reduced by 50 % to 80 %.
- Savings in raw material

Part No.	Description	SpinBox type
10158450	TrashAdapter	SC / SQ

SQ 8/9 Modernization

SUESSEN has developed a number of coordinated modernization systems for Autocoro rotor spinning machines aiming at increased machine efficiency and superior yarn quality or savings in raw material.

SUESSEN offers partial modernization with the so-called Quality SpinBox SQ. It comprises well harmonized systems for easy retrofit to existing machines.

The substantial quality improvements, which are achievable with the new SQ Packages, are based on the development of a new opening roller housing with adjustable BYPASS, labyrinth seal, fixed fibre beard support and the turbulence-free airflow at the trash extraction chute.

A special version of the opening roller housing with SpeedPass is available for processing synthetic fibres.

The thrust bearing housing with the SUESSEN ***Pro*FiL**®Cartridge with optimized energy consumption and requiring no maintenance, as well as the improved trash disposal and the open SpinBox ensure a considerably reduced contamination of the spinning positions. Maintenance and consequently idle periods of the machines are minimized.

The carbon-fibre traverse rod is very light and has a high tensile and compressive strength. As a consequence, take-off speeds can be substantially increased.

The rotor housing with silicone seal and the channel plate including exchangeable channel insert with fixation free from leakages ensure an optimum air consumption.

In combination with new Original SUESSEN rotors, opening rollers and navels, the aforesaid measures for quality improvements and the change to carbon-fibre traverse rods help to considerably increase machine output.

All SQ Packages stand out for simple assembly, little maintenance, reduced energy consumption and short payback periods.

Apart from the standard scope of supply of SQ Packages, every package can be combined with a multitude of options, so that the scope of modernization can be optimized for each client and his special range of application.

The SUESSEN SQ partial modernization packages are available for all Autocoro rotor spinning machines with SE 8 / 9 SpinBoxes.

Please contact SUESSEN for further information and part numbers.

Suessen

Tools and Accessories

Axial Rotor Position

951.5217
Scanning caliber complete
SE 7 / 8 / 9 / 10 / 11 / 12

289.0496
Dial gauge

954.2004
Scanning caliber
SE 7 / 8 / 9 / 10 / 11 / 12

957.8242
Scanning caliber complete
SC / SQ

289.0496
Dial gauge

957.8241
Scanning caliber
SC / SQ

954.0589
Setting gauge
SE 7 / 8

954.1399
Setting gauge
SE 9

957.2358
Setting gauge
SE 10 / SE 11 (hybrid) / SC / SQ

959.1420
Setting gauge
SQ 7 / 8

954.0590
Setting sleeve
SE 7 / 8 / SQ 7 / 8

11016766
Setting gauge magnet
SE 11-12

Centring of Channel Plate

954.1133
Centring gauge
SE 7 / 8 / SQ 7 / 8

954.1406
Centring gauge
SE 9 / 10 / SQ 9

954.1134
Centring cone
SE 7 / 8 / 9

957.5227
Centring cone
SE 10 / SQ

957.6469
Setting gauge for opening unit
SE 7 / 8 / 9 / 10 / SC / SQ

TwinDisc Maintenance

10658890
TwinDisc lubricating device
complete
SE 8 / 9 / 10 / 11 / 12 / SC / SQ

954.6279
Grease gun

10637156
Base plate
Lubricating device
SE 8 / 9 / 10 / 11 / 12 / SC / SQ

954.3169
Bush

955.5589
TwinDisc fitting tool
complete
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

954.3635
Distance disk
SE 8 / SQ 8

954.3636
Distance disk
SE 9 / 10 / 11 / 12 / SC / SQ

10670979
Distance disk for
convex TwinDisc
SE 9 / 10 / 11 / 12

956.9273
Pressure piece
SE 7 / SQ 7

956.9274
Pressure piece
SE 8 / SQ 8

956.9275
Pressure piece
SE 9 / 10 / 11 / 12 / SC / SQ 9

954.3649
Stud
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

Thrust-Bearing Unit

954.1997
Setting gauge 8.0
SE 9-12 / SC / SQ
with hybrid bearing

958.4661
Setting gauge 8.3
SE 9-12
for magnetic bearing

955.2286
Wedge for brake spring
SE 9 / 10 / SC / SQ 9

954.7588
Adjusting device brake
SE 9 / 10 / SC / SQ

V-361.0017
Set of feeler gauges 0.05-1 mm

956.5830
Mounting device
TwinDisc thrust bearing unit
SE 9 / 10 / 11 / 12 / SC / SQ

954.0591
Tool oil container
SE 7 / 8 / 9 / 10 / SC / SQ

954.0592
Little hook for reflector
SE 7 / 8 / 9 / 10 / SC / SQ

953.9200
Centring gauge for thrust bearing housing
SE 7 / 8 / SQ 7 / 8

Winding Head

958.6145
Setting gauge for yarn guide
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

959.1302
Fitting pliers
Carbon-fibre traverse rod
SE 9 / 10 / SC / SQ

958.4595
Assembly mandrel
SUESSEN ShockAbsorber

Special Tools

954.5287
Mounting device for feeding tray
SE 9

10231133
Clamping device for opening roller
SE 8 / 9 / 10 / 11 / 12 / SC / SQ

10555212
Vacuum gauge complete

10554477
Hose

954.1394
Mounting tool Torque Stop
SE 9 / 10 / SC / SQ

954.3648
Tool for navel
SE 7 / 8 / 9

957.5688
Mounting tool for navel
SE 10 / 11 / 12 / SC / SQ

959.3086
Mounting tool Bypass SC/SQ

958.3503
Tool for locking lever
SC / SQ

10266390
Mounting tool for opening roller
SC / SQ

958.5741
Rotor for adjustment
Piecer carriage
SE 9 / 10 / SC / SQ 9

954.0593
Key for press roller suspension
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

954.1995
Eccentric key
SE 9 / 10 / 11 / 12 / SC / SQ 9

Special Tools

957.9940
Installation device tangential belt rotor
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

957.9959
Belt

957.8310
Clamping mechanism
for installation device tangential belt rotor
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

289.4162
Tool for feed
SE 7 / 8 / 9 / 10 / 11 / 12 / SC / SQ

958.5050
Tool clearer SC

959.2435
Flanged bolt SQ

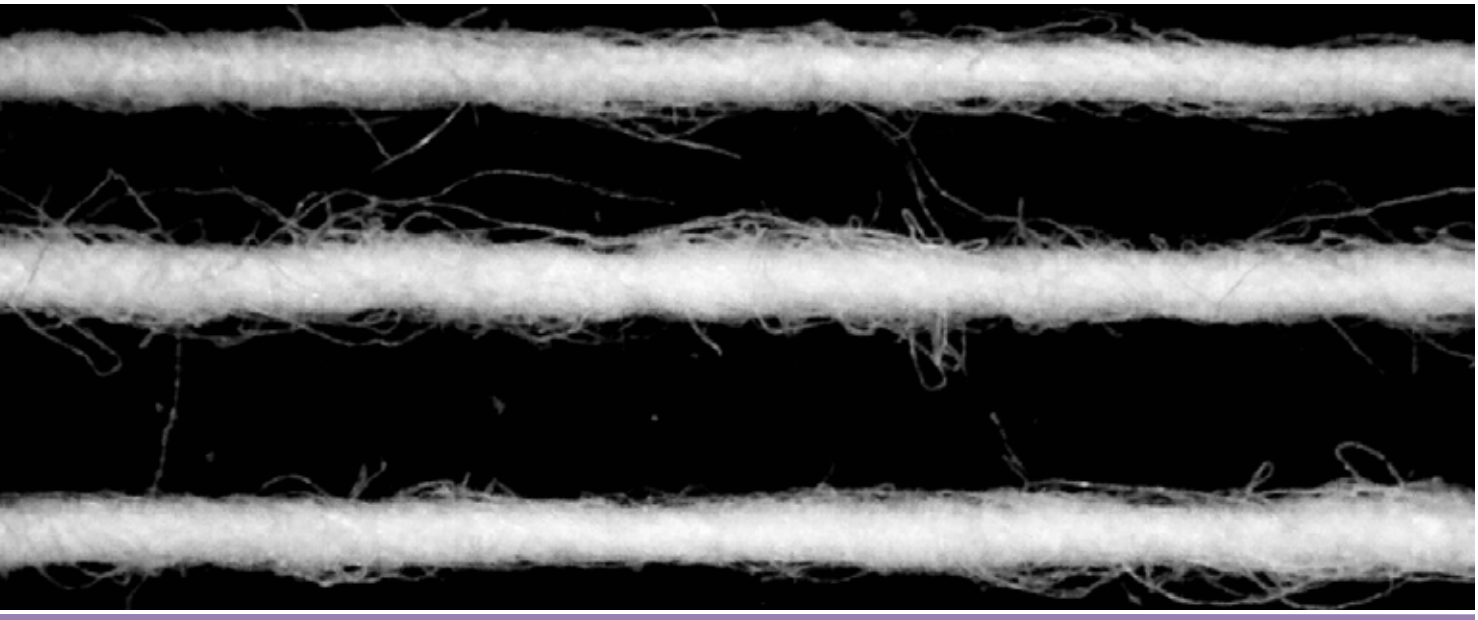
959.2437
Draw-off screw SQ

289.4203
Press

959.2439
Press with supporting plate

959.2525
Supporting plate complete

Suessen



Recommended Spinning Accessories

Survey according to Applications

The selection of spinning components mainly depends on the application and the fibre material to be processed. The specially required yarn characteristics can be optimized by certain variants.

The following charts show the generally used spinning components for different fibre materials and applications. They can be further specified as a result of the more detailed descriptions in the chapters to follow.

Cotton

		Knitting yarn	Weaving yarn Standard	Denim yarn
Spinning component		**Type**		
Rotor		G GSQ S	T K	TC U S
SOLIDRING		B 174 B 20	B 174 B 20	B 174
Navel	High speed	***Pro*FiL®** 6 ***Pro*FiL®** SM	***Pro*FiL®** S ***Pro*FiL®** 6 ***Pro*FiL®** SM	***Pro*FiL®** S
	Normal speed	KN4 KN8 KS M KS R4 KS 2R4 KN4 R4 KN4 2R4 KN8 R4	KS KN4 KN8 KS M	KS KN KN3 KN4
Torque Stop		Clip white Clip black	Clip white Clip red	Clip green

Survey according to Applications

Blends like PES/cotton

		Knitting yarn	Weaving yarn Standard	Denim yarn
Spinning component		**Type**		
Rotor		G S	T	TC U S
SOLIDRING		S 21 S 25	S 21	S 21 S 25
Navel	High speed	***Pro*FiL®** 6	MIMA 2	***Pro*FiL®** 4
	Normal speed	***Pro*FiL®** 4	MIMA 1	KN3 KN4
TorqueStop		Clip white Clip red	Clip white Clip red	Clip green

Survey according to Applications

Regenerates

		Knitting yarn	Weaving yarn Standard	Denim yarn
Spinning component		**Type**		
Rotor		TC S	T TC	TC U S
SOLIDRING		S 21 S 25	S 21 S 25	S 21 S 25
Navel	High speed			
	Normal speed	KN4 KN8 KS M KS R4 KS 2R4 KN4 R4 KN4 2R4 KN8 R4	KS KN4 KN8 KS M	KS KN KN3 KN4
TorqueStop		Clip white	Clip white	Clip white Clip green

Survey according to Applications

Viscose

		Knitting yarn	Weaving yarn Standard
Spinning component		**Type**	
Rotor		T T and K with B5 G	T T and K with B5 K
SOLIDRING		B 174 B 187 S 22	B 174 B 187 S 22
Navel	High speed	***Pro*FiL®** 4	***Pro*FiL®** 4 MIMA 2 ***Pro*FiL®** S
	Nornal speed	***Pro*FiL®** 4	***Pro*FiL®** 4 ***Pro*FiL®** SM
TorqueStop		Clip white Clip red	Clip red Clip green

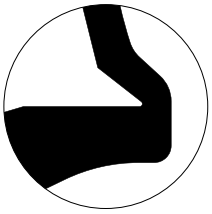
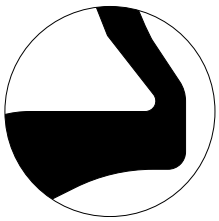
Survey according to Applications

Polyester/Acrylic

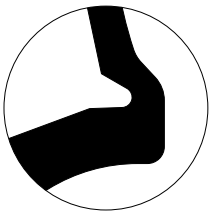
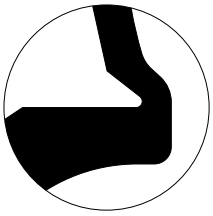
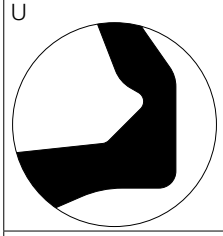
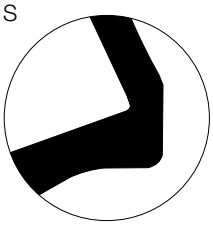
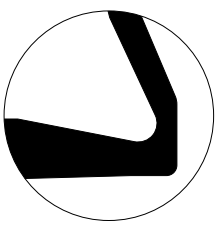
		Knitting yarn	Weaving yarn Standard	Denim yarn
Spinning component		**Type**		
Rotor		G S	T TC	TC U S V
SOLIDRING		S 21 S 25 S 43-3,6	S 21 S 25 S 43-3,6	S 21 S 25
Navel	High speed	***Pro*FiL®** 6	MIMA 2	MIMA 2
	Normal speed	***Pro*FiL®** 4	MIMA 1	MIMA 1
TorqueStop		Clip red Clip green	Clip red Clip green	Clip red Clip green

Rotors

Rotor characteristics

Rotor Type	Characteristics	Knitting yarn	Weaving yarn standard	Denim yarn	Cotton	Blends like PES//cotton	Regenerated fibres	Viscose	PES/PAC
T 	• universally applicable • good yarn values • for smooth yarns • no tendency to random point-like contamination of the rotor groove • less moiré faults • compact yarn • high yarn strength	(x)	x	(x)	x	x	x	x	x
T and K with B5 	• preferably Ne 20 and finer • compact yarn • for smooth yarns	x	x					x	
TC 	• preferably Ne 10 and coarser • for denim yarns • in case of regenerates also for knitting and weaving yarns • high-bulk yarns • other coarse yarns • good yarn values • good spinning stability • no tendency to random point-like contamination of the rotor groove, • less moiré faults • compact yarns • better effect in case of fancy yarn equipment	(x)	(x)	x	x	x	x		x
G 	• universally applicable • very good spinning stability • for bulky yarns • tendency to random point-like contamination of the rotor groove • increased tendency to moiré faults • clean cotton • synthetic fibres	x			x	x		x	x

Rotors

Rotor Type	Characteristics	Knitting yarn	Weaving yarn standard	Denim yarn	Cotton	Blends like PES//cotton	Regenerated fibres	Viscose	PES/PAC
GSQ 	• preferably Ne 16 and finer • very good spinning stability • better yarn strength (versus G) • for bulky yarns • tendency to random point-like contamination of the rotor groove • tendency to moiré faults • clean cotton	x			x				
K 	• preferably Ne 20 and finer • good yarn values • for smooth yarns • less moiré faults	(x)	x		x			x	
U 	• preferably Ne 10 and coarser • high yarn bulk • relatively irregular yarn • low snarling tendency			x	x	x	x		x
S 	• for coarse yarn counts • high yarn bulk • for highly contaminated material • low snarling tendency • raised yarns	x		x	x	x	x		x
V 	• particularly suitable for synthetic fibres • good resistance to fibre shifting for yarns made of PAC or PES			x					x

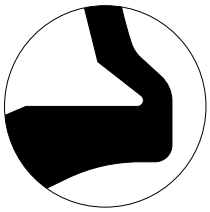
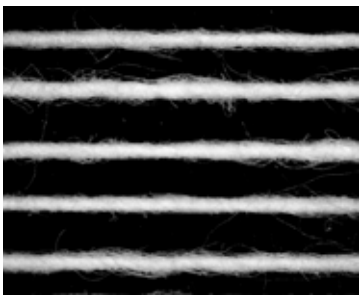
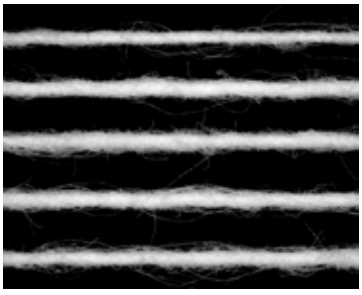
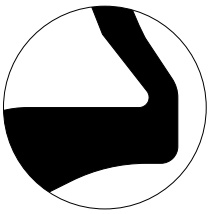
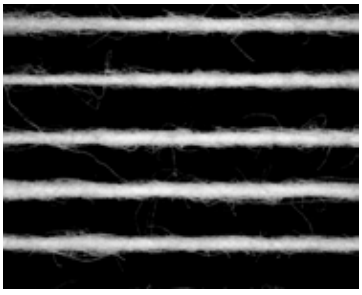
(X) = possible

X = recommended

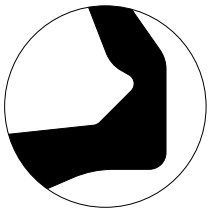
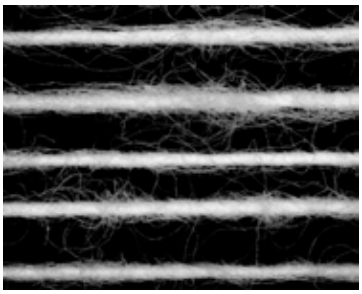
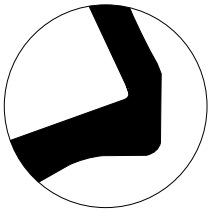
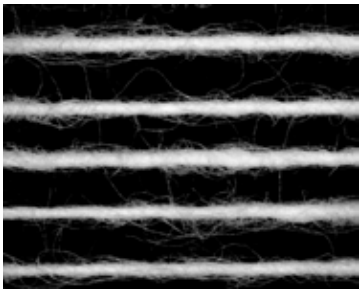
Rotors

Yarn characteristics

Influence of rotor groove on yarn characteristic, example 100 % cotton Ne 10

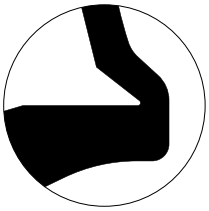
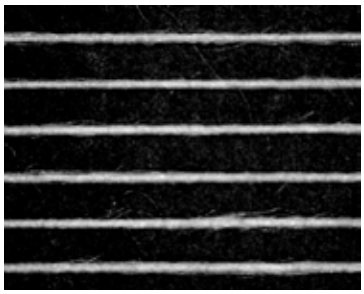
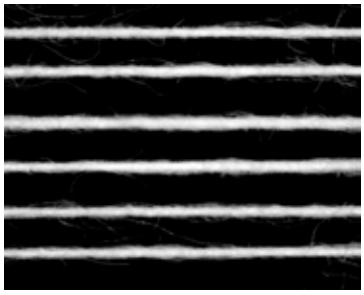
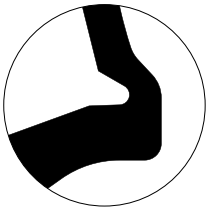
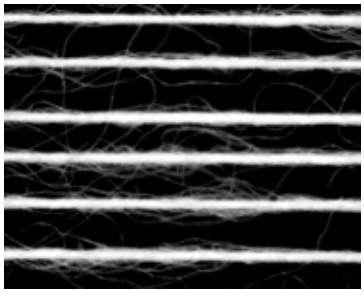
Rotor groove	Black board	Yarn characteristics
T ≙ K 		• compact yarn • low hairiness • high yarn strength • snarling tendency
G ≙ GSQ 		• bulky yarn • soft hand • reduced yarn strength
TC 		• compact yarn • low hairiness • high yarn strength • snarling tendency

Rotors

Rotor groove	Black board	Yarn characteristics
U 		• irregular yarn • tenacity lower than with T and TC • low tendency towards snarling
S 		• irregular yarn • corkscrew structure • yarn slightly more compact than with U

Rotors

Influence of rotor groove on yarn characteristic, example 100 % viscose Ne 20

Rotor groove	Black board	Yarn characteristics
B5 		• very compact yarn • lowest hairiness level • harsh hand
T 		• compact yarn • slight hairiness • yarn more bulky than with B5 • harsh hand
G 		• bulky yarn • higher basic hairiness • soft hand

Coatings

B = Boronized
High wear protection, slightly lower yarn values, easy cleaning even of sticky material

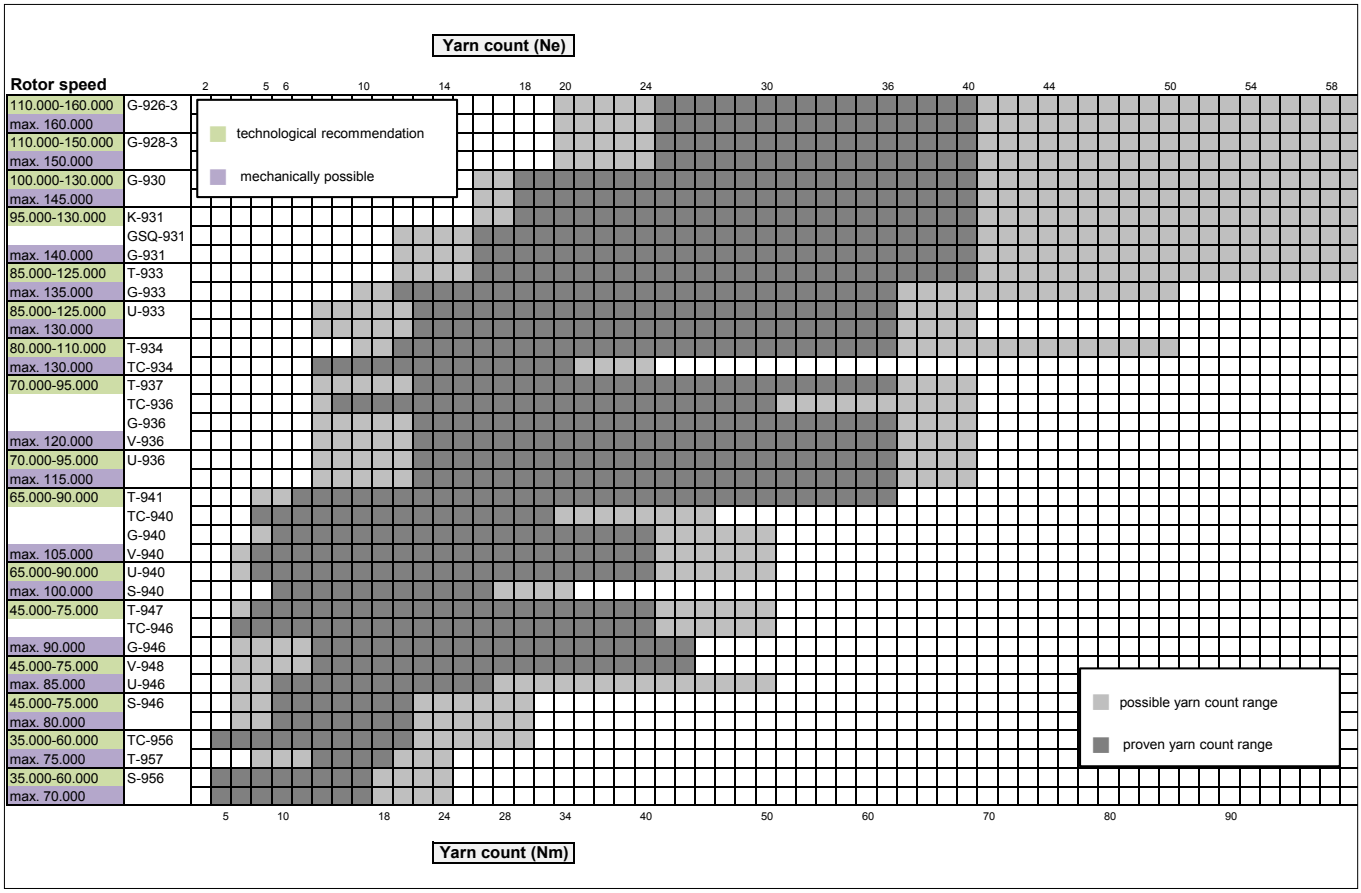
BD= Boronized and diamond-coated
High wear protection with best yarn values

B5 = Boronized, narrow groove
For 100 % viscose only, high wear protection, good yarn values, easy cleaning

E = Ematal-coated
Special coating for rotor plates of aluminium, yarn characteristics comparable with boronized rotors

Rotors

Rotor speed and yarn counts



Rotors

Rotors / Channel plates / Channel plate adapters / Channel Inserts / Adapters

Channel plate SE 7/8/9		KP 31 F KP 31 U	KP 33 F KP 36	KP 40 KP 40 F	KP 46	KP 56
Channel plate adapter SE 10	28	31	36	40	46	56
Channel Insert SC/SQ	28	31		40	46	
Adapter SE 11	28	31	36	40		
Rotor Ø						
26	X					
28	X					
30	O	X				
31,5	O	X				
33		O	X			
34		O	X			
36		O	X			
37		O	X			
40			O	X		
41			O	X		
46				O	X	
47				O	X	
48				O	X	
56					O	X
65					O	X

X = recommended

O = possible

SOLIDRING

SOLIDRING Characteristics

SOLIDRING Type and Tooth Shape	Characteristics	Knitting yarn	Weaving yarn standard	Denim yarn	Cotton	Blends like PES/cotton	Regenerates	Viscose	PES/PAC
B 174 	• Aggressive sickle shape • Intensive opening action • Good fibre separation • Good wear properties of the teeth • High trash extraction • Not suitable for man-made fibres	x	x	x	x			x	
B 174-4,8 	• Aggressive sickle shape with extended tooth pitch • Opening action more gentle than with B 174 • Highly suitable for **blends of cotton/linen** • Good fibre separation • Not suitable for man-made fibres	x	x	x	x				
B 187 	• Highly aggressive sickle shape • Intensive opening action • Preferrably for fine yarn counts < 29 tex, > Nm 34, > Ne 20 • Not suitable for man-made fibres	x	x					x	
B 20 	• Aggressive straight tooth • Intensive opening action • Bad wear properties of the teeth • High trash extraction • Not suitable for man-made fibres • Preferrably for fine yarn counts < 29 tex, > Nm 34, > Ne 20	x	x		x				

SOLIDRING

SOLIDRING Type and Tooth Shape	Characteristics	Knitting yarn	Weaving yarn standard	Denim yarn	Cotton	Blends like PES/cotton	Regenerates	Viscose	PES/PAC
S 21 	• Slightly aggressive straight tooth • Gentle opening action for man-made fibres • Good fibre separation	x	x	x		x	x		x
S 22 	• More aggressive straight tooth, tooth pitch extended versus S 21 • Preferably used for dyed fibres • Plasma coating supports intensive opening action	x	x					x	
S 25 	• Unaggressive tooth shape • For very coarse yarn counts with large mass of fibres • Gentle opening action • Very good fibre separation • No tendency towards merry-go-round fibres • No tendency towards lapping • Supports short, non-reproducible yarn effects	x		x		x	x		x
S 43-3,6 	• Slightly aggressive, straight, short tooth • Gentle opening action • Very good fibre separation • No tendency towards merry-go-round fibres • No tendency towards lapping • Almost no dust • For high-end yarns	x	x						x

SOLIDRING

Material / SOLIDRING Type / Speed

Material	SOLIDRING Type	Speed 1/min
Cotton	B 174	7,000 – 8,000
	B 174 – 4.8	7,800 – 8,600
	B 20	7,000 – 8,000
Regenerates	S 21	7,500 – 9,000
	S 25	7,500 – 9,000
Viscose	B 174	7,000 – 8,500
	B 187	7,000 – 8,000
	S 22	7,500 – 9,000
PES/PAC	S 21	7,500 – 9,000
	S 25	7,500 – 9,000
	S 43 – 3.6	8,000 – 9,000
Blends like PES/cotton	S 21	7,500 - 9,000
	S 25	7,500 – 9,000

SOLIDRING

Coating

N coating:
Nickel coating mainly serves as anti-corrosive and does not provide much wear protection due to the reduced surface hardness.

To minimize punctiform wear, the nickel layer must be as thin as possible. The technological advantage of the thin layer is a sharp opening roller tooth providing better fibre opening and separation. Trash extraction is also better, as well as the yarn quality with lower ends-down rate especially in the fine count range.

Due to the low hardness of nickel, the guaranteed service life of nickel coated SOLIDRINGS is limited.

DN coating:
The nickel-diamond coating offers long-term wear protection resulting from the significantly increased hardness compared with pure nickel coating. The nickel-diamond coating is 5 times thicker than nickel coating and consequently the opening roller teeth are rounder. In the fine count range in particular this can result in minor technological disadvantages in yarn quality and trash extraction.

The guaranteed service life for DN-coated SOLIDINGS is longer.

CR coating:
To meet the demands of the market, a new coating type was developed that guarantees a long service life despite of very thin layers of coating. The new chromium coating fulfils these conditions perfectly for the processing of 100 % cotton. It combines the sharp teeth of nickel coating with the service life of DN coating. This results in better yarn quality at longer service life. The coating offers only low protection against corrosion.

Navels

Navels have an important influence on yarn hairiness and spinning stability. The interaction of navel geometry, surface structure and notches is essential for yarn hairiness and spinning stability. Whirl inserts mainly influence yarn hairiness.

The following illustrations show the influence of different navels to short and long hairiness in knitting and weaving applications.

For comparison, yarns of 100 % cotton were spun with various navels under identical spinning conditions.

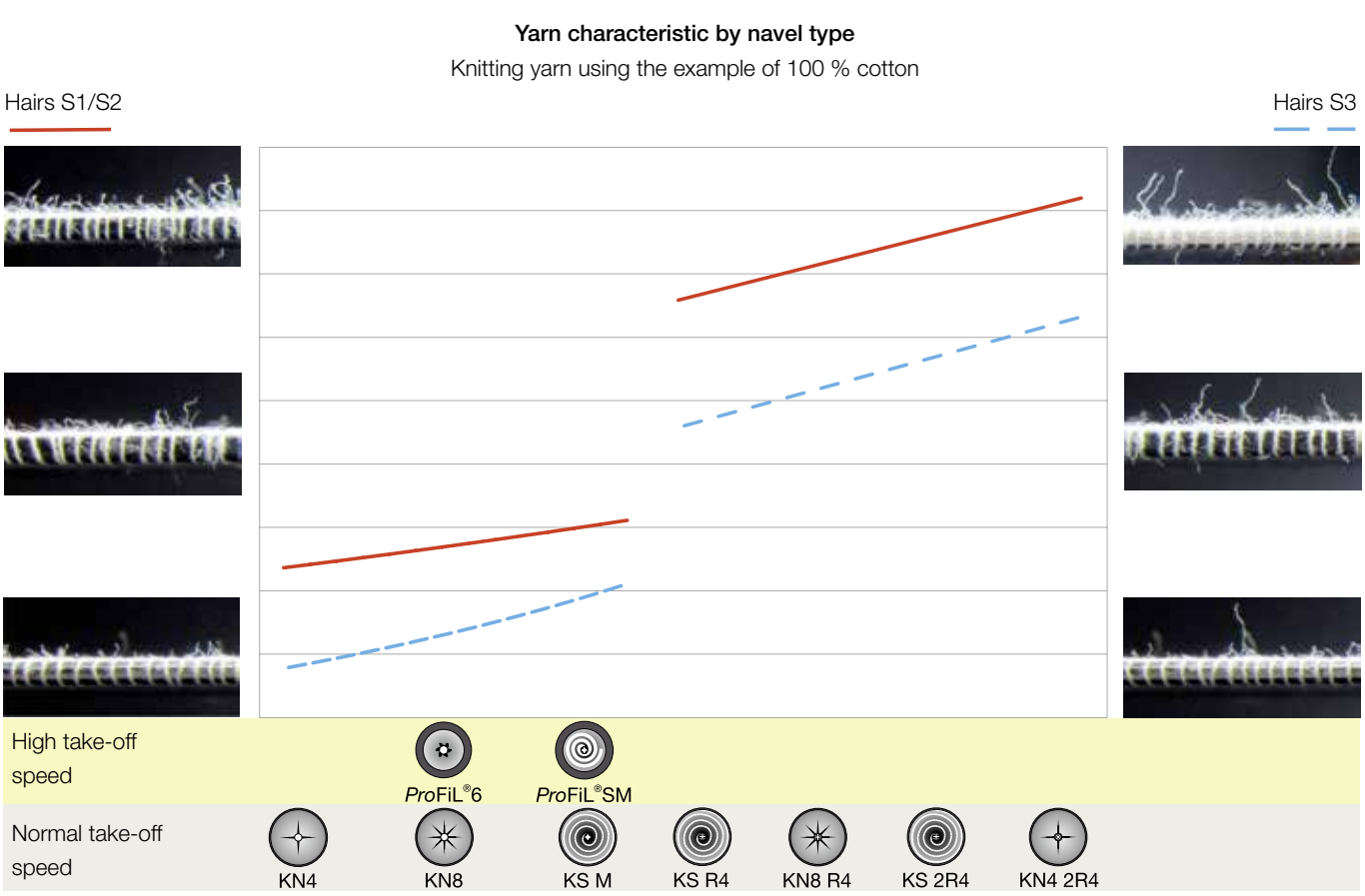
The red lines represent short hairs up to 3 mm (Hairs S1/2), while the blue-dotted lines represent long hairs over 3 mm (Hairs S3). The illustrations sort the navels from smooth, compact yarn to bulky and hairy yarn. So they offer an orientation for choosing navels, if customers want to change the yarn character to one direction or the other.

Knitting yarn

In knitwear applications, a soft hand of the knitwear, bulky yarns and high covering properties are preferred. Depending on the fibre material long hairs can produce undesirable pilling effects.

Yarn characteristic by navel type

Knitting yarn using the example of 100 % cotton



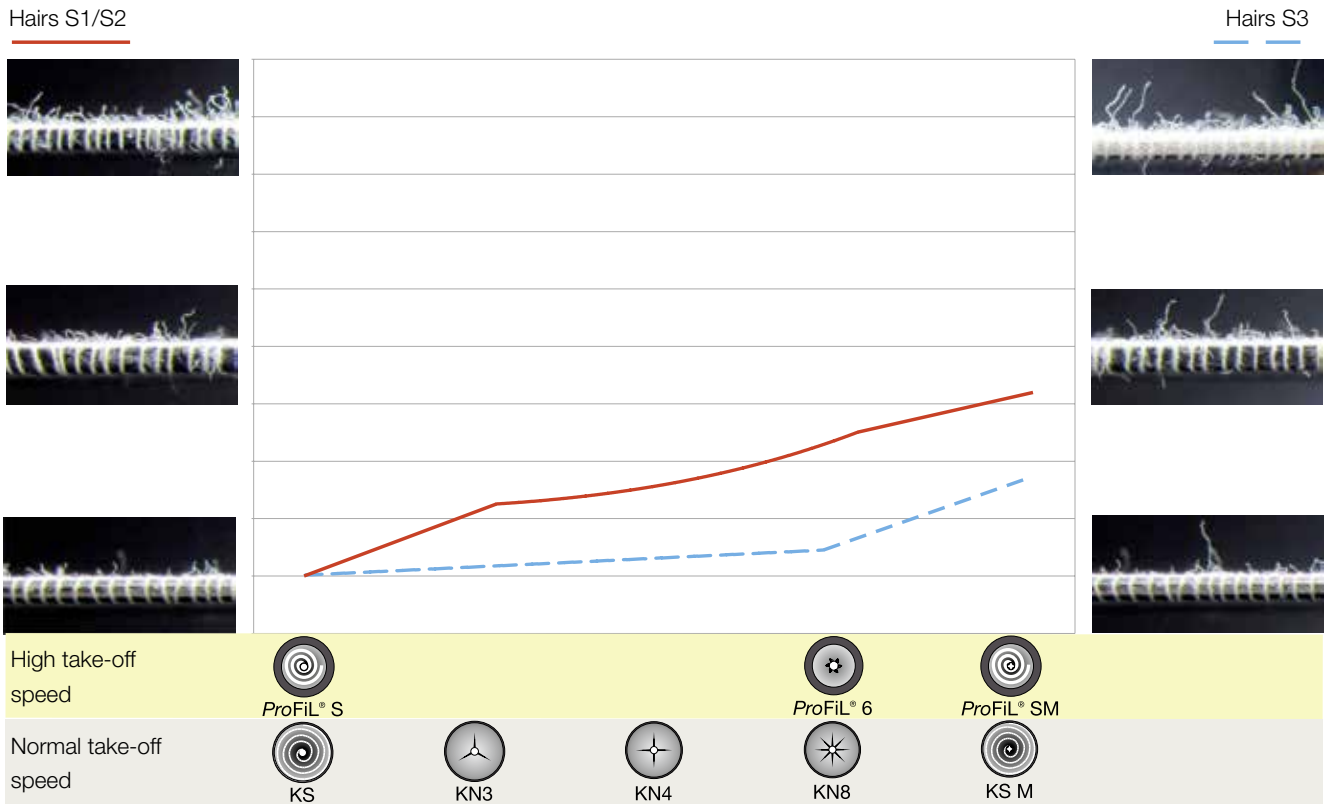
Navels

Weaving yarn

In weaving applications, a high work capacity is desired which is mainly achieved with smooth and compact yarns. On air-jet looms the ratio of weft insertion is improved if yarns with a higher degree of short hairs are used.

Yarn characteristic by navel type

Weaving yarn using the example of 100 % cotton



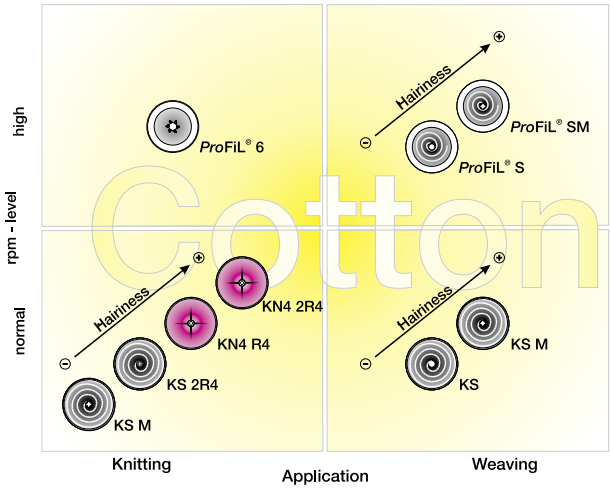
Navels

*Pro*FiL®Navels Applications

Cotton diagram

In knitwear applications the hand of a fabric is an important attribute. The hairiness level has a direct influence on this attribute. At the "normal" speed level, the KS M navel provides increased short hairiness (up to 3 mm) while the other navels also increase the amount of longer hairs (longer than 3 mm). ***Pro*FiL®**6 navels also increase the amount of short hairs (up to 3 mm) and support in addition a good spinning stability at high speed levels.

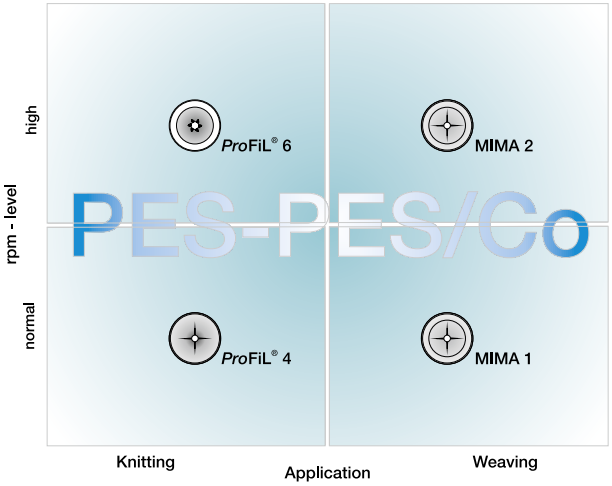
In weaving applications long hairs in particular disturb the downstream processes. If smooth yarns are required, the spiral navels KS and ***Pro*FiL®**S are preferably used. A higher percentage of short hairs improves for example the efficiency of air jet looms. The KS M and the ***Pro*FiL®**SM navels provide these required short hairs.



PES and PES/Cotton diagram

In knitwear applications the ***Pro*FiL®**Navels minimize the thermal damage to the PES fibres, due to the smooth surface. While the ***Pro*FiL®**4 navel permits spinning at normal speed, the ***Pro*FiL®**6 navel minimizes thermal damages at high speeds owing to its smaller support area. The resulting hairiness of both navel types still provides a good hand of the knitwear.

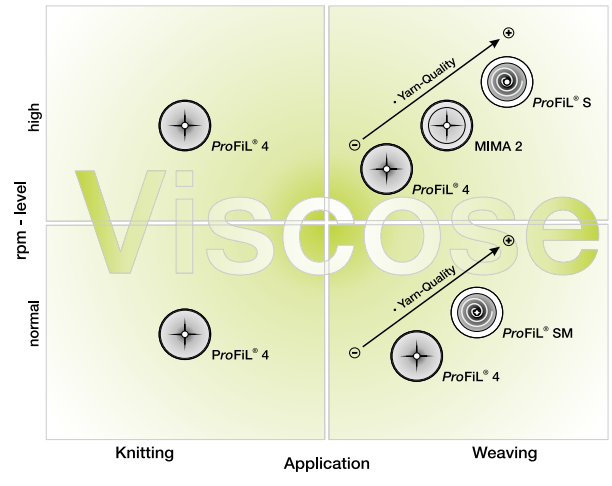
The MIMA navels have been developed for weaving applications with 100 % PES. Their material and contour are particularly suitable for processing 100 % PES. They stand out for a reduced risk of thermal damages, but allow higher rotor speeds. They still provide the best results in weaving applications.



Viscose diagram

The speed range and application of the ***Pro*FiL®**4 navel is universal. The ***Pro*FiL®**4 performs with any viscose fibre type at a very low end-break level with good yarn quality parameters.

In weaving applications other navels produce better yarn parameters, but a slight increase in end-breaks is observed.



Torque Stop

Torque Stop Type	Properties	Knitting yarn > Ne 20	Knitting yarn < Ne 20	Weaving yarn > Ne 16	Weaving yarn < Ne 16	Rotor < 33 mm or low yarn twist
Clip green 	• Smooth Torque Stop • No additional twist-retaining effect • S3 hairiness not influenced • Application: flat yarns with warp twist			o	x	
Clip red 	• Torque Stop with 3 soft twist-retaining ribs • Increased twist-retaining effect • S3 hairiness slightly increased • Reduced ends-down and possible reduction of twist coefficient		x	x	o	
Clip white 	• Torque Stop with 3 sharp twist-retaining ribs • Intensified twist-retaining effect • Increased S3 hairiness • Reduced ends-down and possible reduction of twist coefficient	x	x	x	o	x
Clip black 	• Torque Stop with 3 aggressive, sharp twist-retaining ribs • High twist-retaining effect • S3 hairiness strongly increased • Reduced ends-down and possible reduction of twist coefficient	o				x
TS 37 	• Intensified twist-retaining effect • Comparable with white Torque Stop • Increased hairiness • Tendency to clogging	o				o
Ceramic take-off tube 	• No additional twist-retaining effect • Comparable with green Torque Stop • S3 hairiness not influenced • Application: Denim yarns and coarse synthetic yarns				o	

x = recommended
o = possible

Suessen

Warranty and Expected Service Life for Technology and Wear Parts

General remarks:

- Careful handling and maintenance of the listed spinning components and wear parts is taken for granted
- Premature wear of the spinning components, depending on the fibre material processed, is no reason of complaint
- All information on warranty and expected service life are not applicable, if very sandy or bleached cotton, delustered or spun-dyed fibres are processed
- The expected service life depends on material throughput, trash degree and fibre quality
- In cases, which fall within the period of warranty, SUESSEN will be prepared to accept proportional responsibility for the service life not reached

1. Rotors

Type	Fibre Type	Warranty	Expected Service Life
Steel rotor B (boronized)	All	15,000 h	30,000 h
Steel rotor D (diamond-coated)	All	8,000 h	18,000 h
Steel rotor BD (boronized and diamond-coated)	All	15,000 h	30,000 h
Steel rotor B5 (boronized)	CV	1,500 kg	3,000 – 4,000 kg

2. Navels / Torque Stops

Type	Fibre Type	Warranty	Expected Service Life
Navels with ceramic insert	Cotton	20,000 h	40,000 h
	Cotton/PES blends	20,000 h	40,000 h
	PES, CV	16,000 h	30,000 h
	PAN	12,000 h	20,000 h
Torque Stop		20,000 h	40,000 h

3. SOLIDRING

Type	Fibre Type	Warranty	Expected Service Life
SOLIDRINGS without diamond-coating (1)			
B 174-4.8 N B174 N B 20 N	Cotton	4,500 kg or 9,000 h	15,000 to 20,000 h
		4,500 kg or 9,000 h	15,000 to 20,000 h
		4,000 kg or 8,000 h	15,000 h
S 21 N	PAN, PES, CV	1,000 kg or 2,500 h	5,000 h
S 43-3.6 N	PES	1,000 kg or 2,500 h	5,000 h
SOLIDRINGS with diamond-coating			
B 174-4.8 DN B174 DN B 20 DN B 187 DN	Cotton	9,500 kg or 20,000 h	20,000 to 30,000 h
	PAN, CV	4,500 kg or 10,000 h	15,000 to 20,000 h
S 43-3.6 DN	PES	2,500 kg or 6,000 h	10,000 h
S 21 DN S 25 DN	Cotton	10,000 kg or 20,000 h	30,000 h
	Cotton/PES blends	7,000 kg or 15,000 h	25,000 h
	PAN, PES, CV	4,500 kg or 10,000 h	20,000 h
SOLIDRINGS with plasma-coating			
S 22 P	CV	2,500 kg or 5,000 h	8,000 h
SOLIDRINGS with chromium-coating (2)			
B 20 CR B 174 CR	Cotton	9,500 kg or 20,000 h	30,000 to 40,000 h

Remark:

(1) No guarantee is given for spinning Denim yarns or very dirty cotton. In such case, diamond-coated SOLIDRINGS are recommended.

(2) Damages due to corrosion excluded

4. Wear Parts

		Warranty	Expected Service Life
TwinDiscs	SE 7 / SE 8	18,000 h (3)	24,000 to 30,000 h
	SE 9 - 12 / SC / SQ 9*	21,500 h (3)	24,000 to 40,000 h
	* rotor speeds above 130,000 rpm	21,500 h (3)	24,000 to 30,000 h
***Pro*FiL®**Cartridge		12,000 h (4)	25,000 h
Worm gear		1 year (5)	4 years
Brake pads for rotor brake		9,000 h	30,000 h
Ball bearing pivot for TwinDiscs		5 years (6)	12 years
Ball bearing pivot for opening rollers		3 years (6)	10 years
Rollers for rotor and opening roller belts		3 years (7)	10 years

Remarks:

(3) Information applies to 90 % of the components according to standard for bearings.
TwinDiscs must be pressed on with the appropriate SUESSEN device.
No guarantee is given in case of consequential damages due to defective tangential belts.
Dirt deposits on rotor shafts are to be removed in time (this is particularly important when processing PAN fibres).
Formation of slight grooves in the TwinDisc tyre surface is not detrimental.

(4) The guarantee is only valid for the use of rotors specified by SUESSEN with ceramic pin at the shaft end.
As a precaution, the grease cartridges should be replaced after 2 years.

(5) No guarantee is given if fancy yarn equipment is used.

(6) Information applies to 90 % of the components according to standard for bearings. If maintenance and lubrication instructions are not observed, no guarantee can be given. SUESSEN offers appropriate lubricating devices.

(7) Information applies to 90 % of the components according to standard for bearings. If maintenance instructions are not observed, no guarantee can be given. Please take care that the roller surface is cleaned of any possible dirt.

Suessen

Part Numbers for Cross Reference

Autocoro Part Number	SUESSEN Part Number	Description
107-019 786	10964468	SPHERICAL CAP - ACO 480
117-000 876	10976006	GEARWHEEL TWO-PIECE - ACO 480
117-001 345	10973228	LEG SPRING ACO 480
117-001 878	289.0932	Grooved ball bearing - ACO 480
117-002 033	10965008	Butterfly valve piecer carriage
117-003 649	10973982	CAP ACO 288
117-003 693	10965176	CAP
117-004 517	282.0232	KNURLED SCREW - ACO 480
117-008 582	10973251	LEG SPRING ACO 480
117-008 674	289.4115	BEARING BUSHING Piecer Carriage / Coromat
117-009 588	247.1867	FLANGE BEARING - ACO 480
117-009 904	289.3862	YARN GUIDE - ACO 312
117-010 198	10964467	LIFT BOW - ACO 480
117-010 876	10973256	LEG SPRING ACO 480
117-011 094	957.7502	CHANNEL PLATE ADAPTER 28 SE 10
117-011 278	10964815	HOUSING - ACO 240
117-011 297	10957345	ROLL - ACO 480
117-011 881	282.0115	FORCING LEVER MFW - ACO 240
117-014 437	289.2718	OVAL HEAD SCREW
117-014 439	10311532	COT HARD 83°Shore SE7-12/SC/SQ
117-014 540	289.3911	GEARWHEEL - ACO 480
117-014 578	10964887	ROLL - ACO 288
117-014 756	10973236	LEG SPRING ACO 480
117-015 171	10973305	TENSION SPRING ACO 480
117-015 488	10972398	GUIDE PIECE - ACO 480
117-015 642	10964394	DETENTION PAWL - ACO 480
117-016 015	10973979	PROTECTIVE DISK ACO 480
117-016 699	10965094	Butterfly valve doffer - ACO 288
117-017 059	10964337	CLAMPING PLATE - ACO 312
117-017 782	282.0139	LEVER EFW ACO 240 - 480
117-018 064	289.3983	PRESSURE SPRING ACO 480
117-018 389	10979944	HOUSING GRAY ACO 240
117-018 403	10147672	ProFiL REFLECTOR SE 7-12/SC/SQ
117-018 717	10964343	COVER EFW ACO 288 ACO 480
117-019 081	958.6351	WASHER NAVEL SE 7-9
117-019 159	282.0207	COLLECTING TRAY MFW - ACO 288
117-019 497	289.3582	COUPLING BSD-Omega ACO 240 - 288
117-020 658	289.3977	GUIDE SHEET SRZ 240 - 288 ACO 240 - 288

Autocoro Part Number	SUESSEN Part Number	Description
117-020 888	10964445	PUSH-BUTTON - ACO 480
117-020 997	10973297	PRESSURE SPRING ACO 480
117-021 167	10964489	YARN GUIDE BOW Piecer Carriage / Coromat
117-021 248	10957365	ECCENTER BOLT - ACO 480
117-021 441	289.3993	PRESSURE SPRING ACO 480
117-021 615	959.2086	SUPPORT LEVER Piecer Carriage
117-022 232	282.0147	TAKE-UP ROLLER HARD 83° Shore SE 7-12/SC/SQ
117-023 178	10968933	SYNCHRONOUS INDUCTION MOTOR - ACO 480
117-023 441	958.7953	Retraction lever - ACO 288
117-023 547	282.0229	COVER - ACO 312
117-023 738	10965223	O-RING - ACO 480
117-023 906	289.3969	DAMPENING CYLINDER - ACO 480
117-024 545	958.6296	YARN TRANSPORT Piecer Carriage
117-024 813	289.3979	COLLECTING TRAY EFW - ACO 288
117-025 514	10964433	SCRAPER steel Piecer Carriage / Coromat
117-025 885	282.0116	FORCING LEVER MFW ACO 288
117-026 740	10778181	DRIVING ROLLER SRZ SE 7-10/SC/SQ
117-027 074	282.0049	GUIDE SHEET ACO 240 - 288 SRK
117-027 575	282.0009	HOUSING GRAY ACO 288 ACO 288- ACO 480
117-027 840	289.4195	SCRAPER Coromat DCU Piecer Carriage
117-029 143	10966327	SIGNAL LAMP ACO 288 - ACO 480
117-029 211	289.3978	DRIVING BELT - ACO 480
117-029 276	10778180	DRIVING ROLLER SRK SE 7-10/SC/SQ
117-029 317	247.1867	FLANGE BEARING - ACO 480
117-030 172	289.3582	COUPLING BSD-Omega ACO 240 - 288
117-030 205	958.5059	BRUSH Piecer Carriage / Coromat
117-030 207	958.5303	LOCKING SPRING RK Piecer Carriage / Coromat
117-030 459	10966491	Pressure rod - ACO 288
117-030 573	10969852	PLATE Piecer Carriage / Coromat
117-030 717	954.9855	GUIDE SLEEVE SE 9/10/SC/SQ9
117-030 773	953.9587	THIN NUT SE 9-12/SC/SQ9
117-030 776	953.6213	HANG UP RING SE 9-12/SC/SQ9
117-030 782	953.3765	SAFETY LEVER SE9/10/SC/SQ9
117-030 837	955.4221	HANG UP PART SE 9-12/SC/SQ9
117-030 844	954.1036	SEAL COLLAR SE 9-12/SC/SQ9
117-030 845	953.0738	SEALING RING SE 7-12/SC/SQ
117-030 942	953.4403	PRESSURE PIECE SE 9/10/SC
117-030 968	953.5488	CLAMPING RING SE 9-20/SC/SQ

Autocoro Part Number	SUESSEN Part Number	Description
117-031 239	289.4166	ADAPTER PLATE SRZ - ACO 288
117-031 826	282.0320	ADAPTER PLATE SRZ - ACO 288
117-031 949	10964467	LIFT BOW - ACO 480
117-032 263	958.8055	Scissors Piecer Carriage / Coromat
117-032 325	282.0018	HOLDER
117-032 377	958.5432	O-RING HOLDER Piecer Carriage / Coromat
117-032 378	958.5431	INTERMEDIATE PIECE Piecer Carriage / Coromat
117-032 690	10258837	OVAL HEAD SCREW M5x12
117-033 032	282.0009	HOUSING GRAY ACO 288 ACO 288- ACO 480
117-034 241	247.1878	Self-aligning ball bear. -ACO 288
117-034 544	955.0663	ARMATURE PLATE SE 7-10/SC/SQ
117-034 544	10964399	ARMATURE PLATE SE 11
117-034 613	10964369	DRIVING ROLL SRZ Piecer Carriage
117-034 751	10975978	SEAL SE 11
117-034 948	10966491	Pressure rod - ACO 288
117-034 974	11084115	TwinDisc BEARING SE 9-12/SC/SQ9
117-035 122	10975966	FLAP SE 11 - 12
117-035 254	10966397	Oil felt SATURATED SE 11 24 pcs.
117-035 526	10964394	DETENTION PAWL - ACO 480
117-035 751	10998234	Sealing ring SE 11/12 thrust bearing seal
117-035 833	10964318	DRIVING ROLL SRK Piecer Carriage
117-035 890	10969873	PRESS ROLLER ACO 312 - 480
117-035 994	952.3024	COUPLING CONE SE 7-12
117-036 397	10976004	LOCKING LEVER YELLOW SE 11
117-036 424	289.3978	DRIVING BELT - ACO 480
117-036 910	10147672	ProFiL REFLECTOR SE 7-12/SC/SQ
117-036 977	10976009	TAKE-OFF TUBE COMPLETE SE 11 - 12
117-037 023	10974174	JUNCTION PLATE YELLOW SE11
117-037 093	11070459	Seal adapter plate SE 11-20
117-037 284	10976005	THRUST-BEARING SEAL SE 11
117-037 740	10964496	ROTOR HOUSING SE 11 / 12
117-037 747	10966630	DRIVING ROLLER SRZ hard - ACO 480
117-038 035	10957709	FLANGED WHEEL SE 11/12
117-038 165	10975963	FIBRE CHANNEL SEAL SE 12-20
117-038 306	10963482	CONDENSER SE11-20
117-038 316	10976009	TAKE-OFF TUBE COMPLETE SE 11 - 12
117-038 458	289.3862	YARN GUIDE - ACO 312
117-038 482	10964831	WORM GEAR SE 11

Autocoro Part Number	SUESSEN Part Number	Description
117-038 677	10965008	Butterfly valve piecer carriage
117-038 837	10968791	FLAT SPRING SE 11 - 12
117-038 906	10975976	CLAMPING SCREW SE 11 - 12
117-038 907	10975970	LOCKING LEVER BLACK SE 11 - 20
117-038 909	10975966	FLAP SE 11 - 12
117-038 912	10963482	CONDENSER SE11-20
117-038 913	10963483	CONDENSER SE11-20 coarse yarn
117-038 914	10974176	JUNCTION PLATE BLACK SE11/12
117-038 939	10965724	ROTOR HOUSING COMPLETE SE 11 / 12
117-038 963	10969873	PRESS ROLLER ACO 312 - 480
117-039 041	10386594	ProFiL BRAKE PAD SE 9-12/SC/SQ9
117-039 191	10909028	LIGHT BARRIER LASER V9 117-039-191
117-039 263	10558493	PRESS ROLLER
117-039 307	10964831	WORM GEAR SE 11
117-039 317	10842002	Torque Stop Clip BLACK SE 11-20
117-039 319	10841984	Torque Stop Clip WHITE SE 11-20
117-361 806	10980273	TRASH CONVEYOR BELT 144 Pos ACO 288
117-361 807	10980274	TRASH CONVEYOR BELT 168 Pos ACO 288
117-361 808	10980299	TRASH CONVEYOR BELT 192 Pos ACO 288
117-361 809	10980275	TRASH CONVEYOR BELT 216 Pos ACO 288
117-361 810	10980277	TRASH CONVEYOR BELT 240 Pos ACO 288
117-361 811	10980300	TRASH CONVEYOR BELT 264 Pos ACO 288
117-361 812	10846344	TRASH CONVEYOR BELT 288 pos. SE 9/10
117-416 947	951.6947	OPENER BLOCK SE 7-10/SQ
117-424 371	953.3832	SIDE WALL SE 7/8
117-426 058	952.6058	TwinDisc BEARING SE 8/SQ8 291-6
117-426 756	952.6756	SEALING RING FIBRE CHANNEL SE 7-10/SQ
117-427 751	952.7751	BEARING BUSHING LEFT SE 8/9
117-427 755	952.7953	WASHER 9,2x13,1x1,8 SE 7-10/SC/SQ
117-430 738	953.0738	SEALING RING SE 7-12/SC/SQ
117-430 802	958.6701	WORM GEAR SE 7-10/SQ
117-432 773	953.2773	BEARING BUSHING RIGHT SE 8-10
117-433 765	953.3765	SAFETY LEVER SE9/10/SC/SQ9
117-433 767	953.3767	Oil container SE9
117-433 832	953.3832	SIDE WALL SE 7/8
117-434 403	953.4403	PRESSURE PIECE SE 9/10/SC
117-434 408	953.4408	SEALING RING SE 9/10 Thrust-bearing seal
117-435 488	953.5488	CLAMPING RING SE 9-20/SC/SQ

Autocoro Part Number	SUESSEN Part Number	Description
117-435 489	953.5489	CLAMPING RING SE 7/8
117-435 536	953.5536	SUPPORTING PIECE SE 8-10/SQ
117-435 569	953.5569	COMPENSATING PIECE RED SE 9/10/SC/SQ9
117-436 200	958.6859	CHANNEL PLATE KP 56 SE 7-9 w/o valve lever
117-436 213	953.6213	HANG UP RING SE 9-12/SC/SQ9
117-436 435	953.6435	TAKE-OFF TUBE COMPLETE TS37 SE 7-9/SC/SQ
117-438 042	953.8042	FLAT SPRING SE 9
117-438 384	10558493	PRESS ROLLER
117-438 499	955.5124	ROTOR HOUSING SE 8
117-438 600	953.8600	SEALING PLATE SE 7-10/SQ
117-438 601	953.8601	LEG SPRING SE 7-9/SC/SQ
117-439 249	953.9249	VALVE LEVER COMPLETE SE 7-10/SQ
117-439 304	958.2096	FLANGE SE 7-10/SC
117-439 587	953.9587	THIN NUT SE 9-12/SC/SQ9
117-440 593	954.0593	KEY PRESS ROLLER SUSPENSION SE 7-10/SC/SQ
117-440 911	954.0911	Brake spring
117-440 917	955.9783	SEALING PROFILE SE 9
117-440 948	954.0948	O-RING SE 7-9/SC/SQ
117-441 030	954.1030	COMPENSATING PIECE BLUE SE 8/SQ8
117-441 036	954.1036	SEAL COLLAR SE 9-12/SC/SQ9
117-441 059	954.1059	SEALING RING SE 7-10
117-441 394	954.1394	MOUNTING TOOL Torque Stop SE 9-10/SC/SQ
117-441 399	954.1399	SETTING GAUGE SE 9
117-441 406	954.1406	CENTERING GUDGEON SE 9-10/SQ9
117-441 460	11084115	TwinDisc BEARING SE 9-12/SC/SQ9
117-441 910	954.1910	CLAMPING SCREW SE 7-10
117-441 937	954.1937	ROLL SE 9-10/SC/SQ9
117-441 995	954.1995	ECCENTRIC KEY SE 9-10/SC/SQ9
117-442 277	958.6861	CONDENSER SE 7-9
117-443 167	10658890	LUBRICATING DEVICE TwinDisc COMPLETE SE 8-12/SC/SQ
117-443 648	954.3648	TOOL NAVEL SE 7-9
117-445 287	954.5287	MOUNTING DEVICE SE 9 feeding tray
117-446 912	11084153	PRESS ROLLER KU 271-3 SE 7-10
117-448 526	954.8526	SLIDING PIECE SE 7-9
117-448 617	954.8617	COMPENSATING PIECE GREEN SE 9/10/SC/SQ9
117-449 246	954.9246	STUD SE 9
117-449 545	10455566	ADJUSTMENT SPINDLE SE 9/10/SC/SQ 9
117-449 855	954.9856	TRANSFER BUSHING SE 9/10/SC/SQ9

Autocoro Part Number	SUESSEN Part Number	Description
117-452 792	956.4818	FIBRE CHANNEL COMPLETE SE 7/8
117-452 794	955.9407	FIBRE CHANNEL COMPLETE D SE 9 WC CO
117-452 795	955.9408	FIBRE CHANNEL COMPLETE SE 9 WC CO D-FG
117-452 798	956.4818	FIBRE CHANNEL COMPLETE SE 7/8
117-452 920	955.2920	COVER PLATE SE 9
117-454 221	955.4221	HANG UP PART SE 9-12/SC/SQ9
117-455 124	955.5124	ROTOR HOUSING SE 8
117-455 589	955.5589	TwinDisc PRESS-ON DEVICE COMPLETE SE 7-12/SC/SQ
117-455 974	955.5974	FLANGED WHEEL SE 7-9
117-458 133	955.8133	COVER PLATE SE 9
117-458 878	955.8878	LOCKING LEVER SE 9
117-459 192	955.9192	SIDE WALL D-FG SE 9
117-459 193	955.9193	SIDE WALL D SE 9
117-460 205	956.0205	SIDE WALL U SE 9
117-460 273	958.6857	CHANNEL PLATE KP 46 SE 7-9 w/o valve lever
117-461 089	956.1089	THREADED PIN SE 7-9
117-462 593	956.2594	Oil felt SATURATED 24 St. SE 8-10
117-462 762	956.2762	Torque Stop white SE 7/8/9 / SC complete
117-464 944	956.4944	Swivel pin SE 10
117-465 830	956.5830	MOUNTING DEVICE SE 9-10/SC/SQ TwinDisc thrust bearing unit
117-465 977	958.6850	CHANNEL PLATE COMPLETE KP 33 F SE 7-9
117-467 051	958.6517	FIBRE CHANNEL COMPLETE U SE 9 WCCO
117-467 371	956.7371	LOCKING LEVER SE 10
117-468 196	956.8196	SEALING RING SE 9/10
117-468 274	956.8274	BEARING BUSHING left SE 10
117-469 069	956.9069	SEALING PROFILE SE 10
117-470 297	957.0297	THRUST-BEARING HOUSING LID SE 9/10/SC/SQ9
117-470 368	957.0368	FLANGED WHEEL SE 10
117-472 736	957.2736	ROTOR HOUSING
117-474 389	957.4389	FLAT SPRING SE 10
117-474 678	957.4678	SEALING RING OLD SE 10
117-474 679	957.4679	SEALING RING SE 10
117-474 680	958.1005	O-RING D 2,8 SE 10
117-474 757	957.0297	THRUST-BEARING HOUSING LID SE 9/10/SC/SQ9
117-474 767	957.4767	COUPLING GEAR SE 10
117-475 171	957.5171	COVER HOUSING POLISHED SE 10
117-475 227	957.5227	CENTERING CONE SE 10/SQ
117-475 332	957.5332	TAKE-OFF TUBE COMPLETE SE 10

Autocoro Part Number	SUESSEN Part Number	Description
117-475 818	957.8353	CONDENSER SE 10/SQ
117-476 028	957.6028	SEALING RING NEW SE 10
117-476 225	957.6225	CHANNEL PLATE ADAPTER 31 SE 10
117-476 228	957.6228	CHANNEL PLATE ADAPTER 40 SE 10
117-476 242	957.6242	CHANNEL PLATE ADAPTER 36 SE 10
117-476 246	10097649	MAGNET WASHER 1,5 SE 10-20/SC/SQ
117-476 363	958.6832	SUPPORT PLATE SE 10
117-476 367	957.6367	COVER PLATE SE 10
117-476 469	957.6469	SETTING GAUGE OPENING UNIT SE 7-10/SC/SQ
117-477 507	957.7507	SLIDING PIECE SE 10
117-477 588	958.6892	FIBRE CHANNEL COMPLETE SE 10
117-478 353	957.8353	CONDENSER SE 10/SQ
117-478 379	957.8379	CHANNEL PLATE ADAPTER 46 SE 10
117-478 463	957.8463	CHANNEL PLATE ADAPTER 56 SE 10
117-481 159	958.6846	CHANNEL PLATE COMPLETE KP 31 F SE 7-9
117-527 157	11084117	PRESS ROLLER KU 271 SE 8-10 without flange
117-527 903	802.7903	TwinDisc BEARING SE 7 280
117-630 003	955.0132	BRAKE PAD SE 8/SQ8
117-630 005	956.2462	GUIDE ROLLER SE 8/SQ8
117-630 009	956.1867	THRUST-BEARING SEAL SE 9/10
117-630 021	953.4408	SEALING RING SE 9/10 Thrust-bearing seal
117-630 023	954.1910	CLAMPING SCREW SE 7-10
117-630 040	10480052	ADJUSTMENT SPINDLE SE 7/8/SQ8
117-630 043	953.8095	Oil container SE8
117-630 044	952.8511	SEAL SE 8
117-630 045	952.8510	LID THRUST-BEARING HOUSING SE 8
117-630 046	956.2594	Oil felt SATURATED 24 St. SE 8-10
117-630 051	953.2873	SEALING RING SE 7/8 Thrust-bearing seal
117-630 053	958.6885	THRUST-BEARING SEAL SE 7/8
117-630 055	954.0362	O-RING
117-630 064	955.2920	COVER PLATE SE 9
117-630 071	953.3767	Oil container SE9
117-630 080	953.3895	SEAL COLLAR SE 7/8/SQ8
117-630 081	953.3898	WASHER SE 7/8/SQ8
117-630 083	957.0631	ROTOR SEAL SE 7/8/SQ8
117-630 086	955.5124	ROTOR HOUSING SE 8
117-630 089	952.6756	SEALING RING FIBRE CHANNEL SE 7-10/SQ
117-630 092	954.8526	SLIDING PIECE SE 7-9

Autocoro Part Number	SUESSEN Part Number	Description
117-630 093	955.9783	SEALING PROFILE SE 9
117-630 094	955.8878	LOCKING LEVER SE 9
117-630 101	955.8133	COVER PLATE SE 9
117-630 102	952.8839	COVER PLATE SE 7/8
117-630 106	954.5474	SAFETY LEVER SE 8/SQ8
117-630 121	953.3146	LOCKING ROLL SE 8
117-630 128	956.8196	SEALING RING SE 9/10
117-630 135	952.6058	TwinDisc BEARING SE 8/SQ8 291-6
117-630 146	951.1986	END COVER SE 7-10/SC/SQ
117-630 147	958.6701	WORM GEAR SE 7-10/SQ
117-630 150	954.0948	O-RING SE 7-9/SC/SQ
117-630 176	958.6847	CHANNEL PLATE KP 31 U SE 7-9 w/o valve lever
117-630 177	954.1059	SEALING RING SE 7-10
117-630 182	953.8601	LEG SPRING SE 7-9/SC/SQ
117-630 233	955.5974	FLANGED WHEEL SE 7-9
117-630 236	958.6839	TwinDisc N SE 7 2 cooling grooves
117-630 237	958.6833	TwinDisc ROLL N SE 7 2 cooling grooves
117-630 238	958.6834	TwinDisc ROLL R SE 7 2 cooling grooves
117-630 240	958.6840	TwinDisc R SE 7 2 cooling grooves
117-630 241	958.6835	TwinDisc ROLL N SE 8/SQ8 2 Cooling Grooves
117-630 243	958.6836	TwinDisc ROLL R SE 8/SQ8 2 cooling grooves
117-630 252	952.7841	TENSION ROLLER SE 8/SQ8
117-630 254	955.5125	ROTOR HOUSING COMPLETE SE 8
117-630 264	957.2736	ROTOR HOUSING
117-630 265	957.2737	ROTOR HOUSING COMPLETE SE 9/10
117-630 272	956.3697	TAKE-OFF TUBE COMPLETE TS30 SE 7-9/SC/SQ
117-630 287	958.6841	TwinDisc N SE 8/SQ8 2 cooling grooves
117-630 293	958.6842	TwinDisc R SE 8/SQ8 2 Cooling Grooves
117-630 298	10586713	TwinDisc L SE 8/SQ8 2 Cooling Grooves
117-630 317	957.4767	COUPLING GEAR SE 10
117-630 318	958.6861	CONDENSER SE 7-9
117-630 352	953.6435	TAKE-OFF TUBE COMPLETE TS37 SE 7-9/SC/SQ
117-630 362	958.6853	CHANNEL PLATE KP 40 SE 7-9 w/o valve lever
117-630 396	958.6885	THRUST-BEARING SEAL SE 7/8
117-630 398	956.2462	GUIDE ROLLER SE 8/SQ8
117-630 402	957.5122	Torque Stop Clip RED SE 7-10/SC/SQ
117-630 404	957.5123	Torque Stop Clip WHITE SE 7-10/SC/SQ
117-630 406	957.5121	Torque Stop Clip BLACK SE 7-10/SC/SQ

Autocoro Part Number	SUESSEN Part Number	Description
117-630 408	957.5120	Torque Stop Clip GREEN SE 7-10/SC/SQ
117-630 409	956.2115	Torque Stop red SE 7/8/9 / SC complete
117-630 410	956.2762	Torque Stop white SE 7/8/9 / SC complete
117-630 411	956.2114	Torque Stop green SE 7/8/9 / SC complete
117-630 440	957.4767	COUPLING GEAR SE 10
117-630 441	956.4823	COUPLING GEAR SE 7-9
117-630 457	957.2737	ROTOR HOUSING COMPLETE SE 9/10
117-656 185	10972823	MOTOR 60W Piecer Carriage
117-657 103	10973070	MOTOR 100 W Piecer Carriage
117-657 246	10973070	MOTOR 100 W Piecer Carriage
139-000 068	10957572	ADAPTER PLATE D54 SRZ ACO 312, 360, 480
139-001 560	10558493	PRESS ROLLER
139-001 715	10964977	COUPLING CONE Coromat
139-004 158	10964343	LID EFW ACO 288 ACO 480
139-004 228	10964489	YARN GUIDE BOW Piecer Carriage / Coromat
139-004 967	10957455	ADAPTER PLATE D54 SRZ slitted ACO 312, 360, 480
139-005 290	10972444	BUTTERFLY VALVE BLUE Coromat
139-006 020	10979945	HOUSING LIGHT BLUE ACO 288 - 480
139-006 080	10976006	GEARWHEEL TWO-PIECE - ACO 480
139-006 335	10964486	SLIDE RING Coromat
139-006 894	956.2460	GUIDE ROLLER COMPLETE SE 9-12/SC/SQ9
139-007 108	10403973	TwinDisc ROLL N SE 9-12/SC/SQ9 with 2 Cooling Grooves
139-007 109	958.6843	TwinDisc N SE 9-12/SC/SQ9 2 cooling grooves
139-007 113	10589715	TwinDisc ROLL R SE 9-12/SC/SQ9 2 cooling grooves
139-007 115	958.6844	TwinDisc R SE 9-12/SC/SQ9 2 cooling grooves
139-007 119	10492491	TwinDisc ROLL L SE 9-12/SC/SQ9 2 cooling grooves
139-007 120	10447546	TwinDisc L SE 9-12/SC/SQ9 2 cooling grooves
139-007 220	955.4221	HANG UP PART SE 9-12/SC/SQ9
139-007 427	10842001	Torque Stop Clip GREEN SE 11-20
137-007-626	10980541	Flap SE 12
139-008 293	10386594	ProFiL BRAKE PAD SE 9-12/SC/SQ9
139-008 352	957.6225	CHANNEL PLATE ADAPTER 31 SE 10
139-008 353	957.6242	CHANNEL PLATE ADAPTER 36 SE 10
139-008 354	957.6228	CHANNEL PLATE ADAPTER 40 SE 10
139-008 355	957.8379	CHANNEL PLATE ADAPTER 46 SE 10
139-008 862	10968933	SYNCHRONOUS INDUCTION MOTOR - ACO 480
139-008 907	10509626	O-Ring für Adapter SE 11-20
139-008 928	10729134	ADAPTER 31 SE 11-20

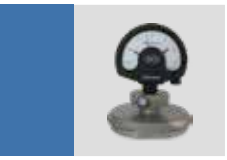
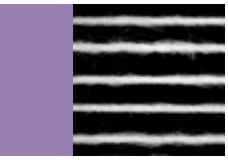
Autocoro Part Number	SUESSEN Part Number	Description
139-009 048	10975970	LOCKING LEVER BLACK SE 11 - 20
139-009 147	10964496	ROTOR HOUSING SE 11 / 12
139-009 148	10965724	ROTOR HOUSING COMPLETE SE 11 / 12
139-009 460	289.3979	COLLECTING TRAY EFW - ACO 288
139-009-650	10980541	Flap SE 12
139-010 214	289.0932	Grooved ball bearing - ACO 480
139-010 340	953.6213	HANG UP RING SE 9-12/SC/SQ9
139-010 351	10964486	SLIDE RING Coromat
139-010 992	10964496	ROTOR HOUSING SE 11 / 12
139-010 993	10965724	ROTOR HOUSING COMPLETE SE 11 / 12
139-011 274	10975963	FIBRE CHANNEL SEAL SE 12-20
139-342 312	10846343	TRASH CONVEYOR BELT 288 pos. SE 11/12
139-342 313	10846341	TRASH CONVEYOR BELT 312 pos. SE 11/12
139-342 315	10846345	TRASH CONVEYOR BELT 360 pos. SE 11/12
139-342 317	10980278	TRASH CONVEYOR BELT 408 Pos ACO 312-480
139-342 320	10980280	TRASH CONVEYOR BELT 480 Pos ACO 312-480
139-343 112	10846343	TRASH CONVEYOR BELT 288 pos. SE 11/12
139-343 113	10846341	TRASH CONVEYOR BELT 312 pos. SE 11/12
139-343 115	10846345	TRASH CONVEYOR BELT 360 pos. SE 11/12
139-343 117	10980278	TRASH CONVEYOR BELT 408 Pos ACO 312-480
139-343 120	10980280	TRASH CONVEYOR BELT 480 Pos ACO 312-480
139-344 812	10846343	TRASH CONVEYOR BELT 288 pos. SE 11/12
139-344 813	10846341	TRASH CONVEYOR BELT 312 pos. SE 11/12
139-344 815	10846345	TRASH CONVEYOR BELT 360 pos. SE 11/12
139-344 817	10980278	TRASH CONVEYOR BELT 408 Pos ACO 312-480
139-344 820	10980280	TRASH CONVEYOR BELT 480 Pos ACO 312-480
161-342 413	10980291	TRASH CONVEYOR BELT 312 Pos ACO 8
161-342 415	10980296	TRASH CONVEYOR BELT 360 ACO 8
161-342 417	10980297	TRASH CONVEYOR BELT 408 Pos ACO 8
161-342 420	10980298	TRASH CONVEYOR BELT 480 Pos ACO 8
830-171 020	10968059	CUTTING SCREW M5x10
830-173 035	10161149	SCREW FOR PLASTIC KA30x6-H
832-697 028	10965152	ROLL ACO 240 / 288 / 8
836-266 002	289.3980	BALL SOCKET DM6 - ACO 480
836-460 148	294.0395	O-RING 10x6.5 Piecer Carriage / Coromat
836-460 178	294.0113	O-RING TS 37 SE 7-9/SC/SQ
836-460 254	10973984	O-RING 16x7
868-290 048	10968216	THERMAL PRINTER PAPER B= 58

Autocoro Part Number	SUESSEN Part Number	Description
900-125 052	225.0088	SPRING RING 5 A 5
900-625 061	10704728	DEEP-GROOVE BALL BEARING 5/16x5-625-2Z Piecer Carriage / Coromat
900-625 256	10704728	DEEP-GROOVE BALL BEARING 5/16x5-625-2Z Piecer Carriage / Coromat
900-625 504	247.0390	DEEP-GROOVE BALL BEARING 608-2RS piecer carriage
900-934 002	10258843	HEXAGON NUT M3-8 M 3
901-472 056	10964498	GROOVED PIN 3 x 32 - ACO 480 plastic
905-401 016	247.0382	BALL 12 mm SE 7-10
906-799 004	10258869	LOCKING DISC 5
949-846 002	286.6366	LAMP 24V/4W

For your notes





Suessen is built on a solid foundation. In conjunction with the sister companies, Bräcker, Graf, Novibra, and SSM, Suessen is securely embedded in the network of total solution and application expertise in yarn processing.

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