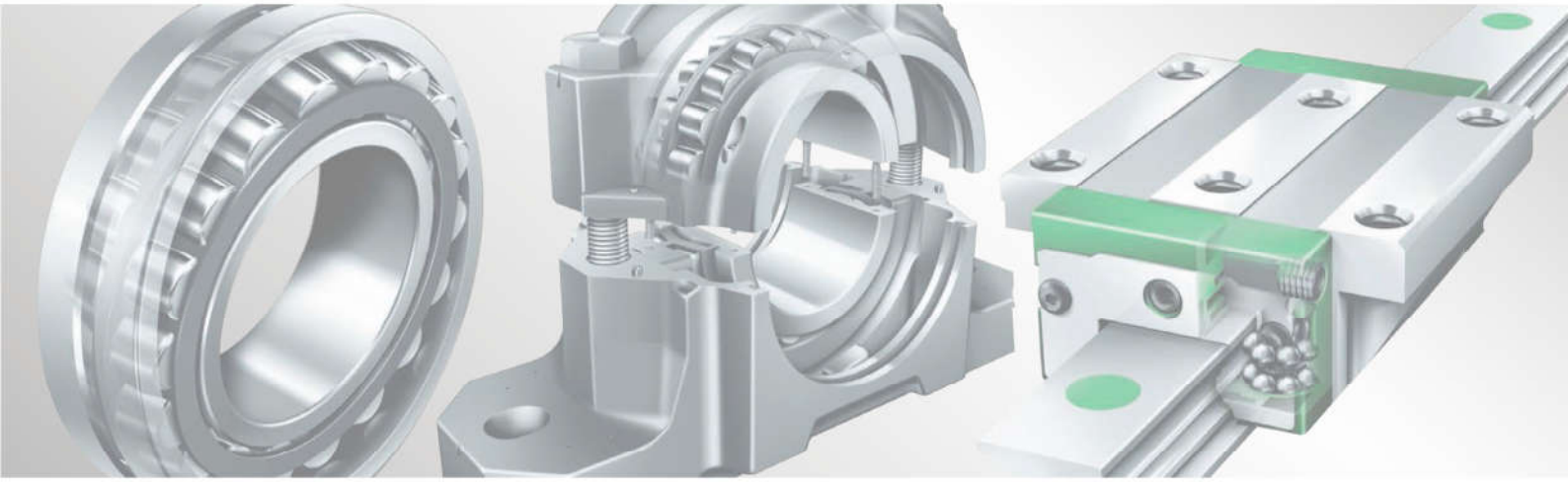
optibelt

juncor
acessórios industriais e agrícolas, SA

CATÁLOGO CORREIAS REDONDAS E PLÁSTICAS
RR/RR PLUS/HRR
KK//KK PLUS



PRODUTO - SERVIÇO - ENGENHARIA

MATERIAL HANDLING

optibelt RR / RR Plus / HRR
optibelt KK / KK Plus

ROUND SECTION BELTS V-BELTS

STRUCTURE

Optibelt round and V-belts consist of high-quality materials, which are manufactured by special manufacturing processes as finite yard goods in different dimensions. With the **optibelt RR / KK Plus** version, the round / V-belt is equipped with an additional tension cord.

CHARACTERISTICS

- Favourable coefficient of friction
- Good slip resistance for conveying goods
- Good abrasion and wear resistance
- High elasticity and damping
- High tensile strength
- Colour-fast
- Resistant to greases, oils and numerous chemicals (see resistance list)
- UV and ozone resistant
- The **optibelt RR / KK Plus** version is particularly low-stretch

ADVANTAGES

- Welding takes place on site. This also applies to the **optibelt RR / KK Plus** version
- No disassembly of the drive/shafts
- Rapid troubleshooting
- Short downtimes
- Easy to store (supplied in rolls)
- Immediate availability
- Wide variety of design options, since any length can be produced

APPLICABLE AREAS

optibelt RR round belts and **optibelt KK** V-belts are mainly used in conveyor systems, e.g. for conveying of

- tiles, plates, flat glass
- veneers in wood processing
- roof tiles, marble, concrete slabs
- cardboard conveyance in the packaging sector
- Also as guiding belts for the conveyance of bottles and cans (only **optibelt RR**)
- The **optibelt RR / KK Plus** version is particularly good for long conveyors

In addition, **optibelt RR** round belts can be used for certain power ranges as dual and multi-pulley drives.

Optibelt manufactures round and V-belts in various designs.

These can be easily differentiated according to their colours.

For round belts, the colours are yellow, green, blue, white, grey and black.

For V-belts transparent, white, and cream.

FRICTION COEFFICIENTS

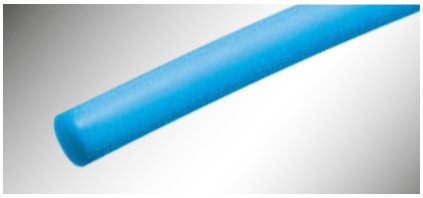
	optibelt RR / RR Plus / HRR									optibelt KK / KK Plus		
	65 Shore A black	75 Shore A red smooth	82 Shore A yellow	85 Shore A light blue FDA	85 Shore A green rough	88 Shore A green smooth	88 Shore A green rough	92 Shore A white	98 Shore A blue	87 Shore A transparent	92 Shore A white	98 Shore A cream
Polished steel	0.85	0.70	0.50	0.50	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.40
Aluminium	0.90	0.80	0.70	0.50	0.60	0.40	0.30	0.80	0.20	0.60	0.60	0.50
Polyethylene	0.50	0.40	0.30	0.30	0.30	0.40	0.30	0.40	0.30	0.30	0.30	0.20

These values serve only as a guide. Depending on the surface quality of the materials used, the running time (abrasion) of the belts and environmental influences on the belts, deviations are possible.

ROUND SECTION BELTS

82 SHORE A YELLOW

Applications: in small deflecting pulleys, flexible at low temperatures, very elastic quality, low power transmission capability



85 SHORE A LIGHT BLUE FDA

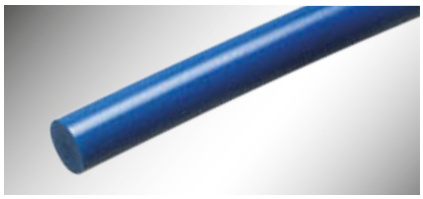
Applications: in the food industry for direct contact with food

88 SHORE A GREEN (SMOOTH/ROUGH)

Applications: in all areas with medium loads; the rough surface design offers advantages for the conveyance of wet or greasy products plus the slaving effect is optimized.

92 SHORE A WHITE

Applications: for medium to heavy loads; the design in white still offers sufficient flexibility.
For continuous operation, even at higher temperatures



98 SHORE A BLUE

Applications: especially for extreme loads and high temperatures; very hard quality; it is essential to comply with the minimum pulley diameters.

65 SHORE A BLACK

Applications: for special applications, belt diameters from 5 to 12 mm available, very flexible at low temperatures, extremely soft material

BELT SECTIONS, WEIGHTS AND CROSS SECTION

Diameter		Weight*	Material cross-section
mm	inch	[g/m]	mm²
2	0.0787	3.4	3.142
3	0.1181	8.2	7.069
4	0.1575	14.8	12.566
4.8	0.1890	21.4	18.096
5	0.1968	23.0	19.635
6	0.2362	33.6	28.274
6.3	0.2480	37.1	31.172
7	0.2756	45.2	38.485
8	0.3150	59.2	50.265
9	0.3543	76.1	63.617
9.5	0.3740	84.6	70.882
10	0.3937	93.0	78.540
12	0.4724	133.0	113.097
12.5	0.4921	145.9	122.718
15	0.5906	210.3	176.715

Intermediate sizes on request
* Minimal weight reduction in the **optibelt RR Plus** version

optibelt RR Plus

The round section belts with tension cords are particularly low-stretch and are therefore especially useful where long transport distances need to be covered.

Belts available from Ø 6 to 15 mm

DIAMETER TOLERANCES:

2 – 7.0 mm: ± 0.2 mm
8 – 12.5 mm: ± 0.3 mm
> 12.5 mm: ± 0.5 mm

TENSION VALUES FOR THE ROUND BELTS

	82 SHORE A YELLOW		
	Tension in [N/mm²]		
	1	1.6	2
Diameter [mm]	Force [N] at 3 % elongation	Force [N] at 6 % elongation	Force [N] at 8 % elongation
2	3	5	7
3	7	11	14
4	12	20	25
4.8	18	29	36
5	20	31	39
6	28	45	57
6.3	31	50	62
7	38	62	76
8	50	80	100
9	64	102	128
9.5	71	113	142
10	79	126	158
12	113	181	226
12.5	123	196	246
15	177	282	354

	85 SHORE A LIGHT BLUE FDA		
	Tension in [N/mm²]		
	1.15	1.8	2.15
Diameter [mm]	Force [N] at 3 % elongation	Force [N] at 6 % elongation	Force [N] at 8 % elongation
2	4	6	7
3	8	13	15
4	14	23	27
4.8	21	33	39
5	23	35	42
6	32	51	61
6.3	36	56	67
7	44	69	83
8	58	90	108
9	73	114	137
9.5	81	128	153
10	90	141	169
12	130	203	243
12.5	141	221	264
15	203	218	378

	88 SHORE A GREEN		
	Tension in [N/mm²]		
	1.2	2.1	2.9
Diameter [mm]	Force [N] at 3 % elongation	Force [N] at 6 % elongation	Force [N] at 8 % elongation
2	4	7	9
3	9	15	20
4	15	26	36
4.8	18	32	44
5	24	41	57
6	34	59	82
6.3	37	65	90
7	46	81	111
8	60	106	146
9	76	134	185
9.5	85	149	206
10	94	165	228
12	136	238	328
12.5	147	258	356
15	212	371	512

	92 SHORE A WHITE		
	Tension in [N/mm²]		
	1.95	3.1	3.8
Diameter [mm]	Force [N] at 3 % elongation	Force [N] at 6 % elongation	Force [N] at 8 % elongation
2	6	10	12
3	14	22	27
4	24	39	48
4.8	35	56	69
5	38	61	75
6	55	88	107
6.3	61	97	118
7	75	119	146
8	98	156	191
9	124	197	242
9.5	138	220	269
10	153	243	298
12	220	350	430
12.5	239	380	466
15	344	548	672

	98 SHORE A BLUE		
	Tension in [N/mm²]		
	4.3	7.1	8.2
Diameter [mm]	Force [N] at 3 % elongation	Force [N] at 6 % elongation	Force [N] at 8 % elongation
2	14	22	26
3	30	50	58
4	54	89	103
4.8	78	128	148
5	84	139	161
6	122	201	232
6.3	134	221	256
7	165	273	316
8	216	357	412
9	273	451	522
9.5	305	503	581
10	338	557	644
12	486	803	927
12.5	527	871	1006
15	759	1254	1449

The values given can vary depending on the storage period or the effects of temperature!

65 SHORE A BLACK
On request

Tension values for round belts with tension cord are available on request.

ROLL LENGTH (STANDARD)

The material can be welded to create endless belts of any length required. This also applies to the **optibelt RR Plus** version.

Guiding clamp and a welding tool are required for precise welding of the belts.

Diameter Ø [mm]	Roll length on reel [m]	Minimum length welding [mm]
2- 5	200	200
6-10*	100	200
11-17	50	400
18-20	30	400

* **optibelt RR Plus** in Ø 10: spool length 50 m

DATA SHEET SELECTOR

The data sheet selector provides quick and easy online access to the data sheets for Optibelt round belts and other polyurethane belts. See www.optibelt.com/datenblattselektor.

TECHNICAL DATA

optibelt RR / RR Plus / HRR

MINIMUM PULLEY DIAMETERS [MM] FOR optibelt RR / RR Plus

Belt diameter	65 Shore A black	82 Shore A yellow	85 Shore A light blue FDA	88 Shore A green	92 Shore A white	98 Shore A blue
O **2**	–	20	20	20	25	30
O **3**	–	25	25	25	30	35
O **4**	–	30	30	35	40	50
O **4.8**	–	40	40	40	50	60
O **5**	30	40	40	45	50	60
O⊙ **6**	40	50	50	55	60	70
O⊙ **6.3**	45	55	55	60	65	75
O⊙ **7**	50	60	60	65	70	85
O⊙ **8**	55	70	70	75	80	95
O⊙ **9**	60	80	80	85	90	105
O⊙ **9.5**	65	85	85	90	95	110
O⊙ **10**	70	90	90	100	100	120
O⊙ **12**	80	100	100	115	120	140
O⊙ **12.5**	–	110	110	120	125	150
O⊙ **15**	–	120	120	135	150	180

BELT OPERATING TEMPERATURES

65 Shore A black	from –45 °C to +60 °C
75 Shore A red/smooth •	from –30 °C to +60 °C
82 Shore A yellow	from –25 °C to +60 °C
85 Shore A light blue FDA	from –25 °C to +70 °C
85 Shore A green/rough •	from –30 °C to +60 °C
88 Shore A green	from –20 °C to +80 °C
92 Shore A white	from –20 °C to +90 °C
98 Shore A blue	from –20 °C to +80 °C

• **optibelt HRR**

KEY

O = Standard version
⊙ = **optibelt RR Plus** version with tension cord

RECOMMENDED BELT SPEEDS

	optibelt RR/RR Plus						optibelt HRR	
	65 Shore A black	82 Shore A yellow	85 Shore A light blue FDA	88 Shore A green	92 Shore A white	98 Shore A blue	75 Shore A red/smooth	85 Shore A green/rough
v_{max}	on request	10 m/s	10 m/s	15 m/s	20 m/s	20 m/s	10 m/s	10 m/s

EXAMPLE OF CALCULATION

Diameter of the **optibelt RR**: 8 mm
Version: A 88 green
Nominal length: L_{nom} = 2500 mm
Selected pre-tensioning: at 6 % elongation
Installation length: L = L_{nom} – pre-tensioning [%]
L = 2500 – 6 %
L = 2500 – 150 = 2350 mm

The required installation length is 2350 mm.
This results in a free-span belt tension of 106 N.

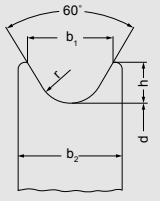
RECOMMENDED PRE-TENSIONING (% ELONGATION)

Diameter range	82 Shore A yellow	85 Shore A light blue FDA	88 Shore A green	92 Shore A white	98 Shore A blue
2- 5 mm	6-8 %	6-8 %	6-8 %	5-6 %	2-4 %
6-10 mm	5-6 %	5-6 %	5-6 %	3-5 %	2-3 %
12-15 mm	3-5 %	3-5 %	3-5 %	2-4 %	2 %

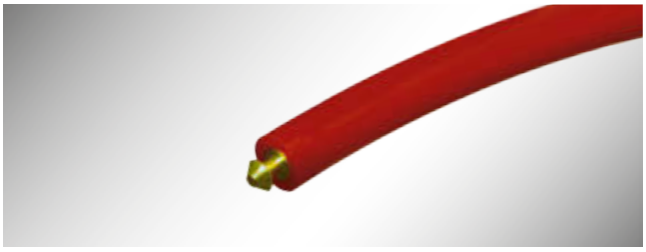
Pre-tensioning of 6 to 8 % is recommended for the A 65 black version.

FOR optibelt RR / RR Plus / HRR, PULLEYS WITH THE FOLLOWING DIMENSIONS ARE RECOMMENDED:

Diameter [mm]	2	3	4	5	6	8	10	12	15
b_1 [mm]	4.5	5.5	7.0	8.0	10.0	12.0	14.5	18.5	23.0
b_2 [mm]	6.5	8.0	10.0	12.0	14.0	16.0	19.0	23.0	27.0
r [mm]	1.4	1.9	2.5	3.0	3.5	4.5	5.5	7.0	8.0
h [mm]	2.5	3.0	3.5	4.0	5.0	6.0	7.0	9.0	12.0



HOLLOW ROUND BELTS



75 SHORE A RED/SMOOTH

For use with small pulley diameters,
for quick repairs

Rec. pre-tension: Welded 4...8 %
Nipple connector max. 3...6 %

85 SHORE A GREEN/ROUGH

For use with medium drives,
for quick repairs

Rec. pre-tension: Welded 4...8 %
Nipple connector max. 3...6 %

75 SHORE A RED/SMOOTH					
Ø outside [mm]	Ø outside [inch]	Material cross-section [mm²]	Weight [g/m]	Min. pulley Ø [mm]	Min. pulley Ø [inch]
4.8	0.189	0.147	18	30	1.2
6.3	0.248	0.261	32	45	1.8
8.0	0.315	0.420	51	50	2.2
9.5	0.374	0.600	72	65	2.6

85 SHORE A GREEN/ROUGH					
Ø outside [mm]	Ø outside [inch]	Material cross-section [mm²]	Weight [g/m]	Min. pulley Ø [mm]	Min. pulley Ø [inch]
4.8	0.189	0.147	18	35	1.4
6.3	0.248	0.261	32	50	2.2

optibelt HRR BELT ELONGATION, TENSION, LENGTH AND WEIGHT

	HRR 75 SHORE A RED/SMOOTH				HRR 85 SHORE A GREEN/ROUGH	
Diameter d [mm]	4.8	6.3	8	9.5	4.8	6.3
Free-span belt tension [N] at 3 % elongation	19	34	55	77	27	48
Free-span belt tension [N] at 6 % elongation	32	57	92	131	46	80
Free-span belt tension [N] at 8 % elongation	37	67	108	153	53	94
Recommended pre-tensioning [%]	6-8	6-8	6-8	6-8	6-8	6-8
Minimum pulley diameter d_{min} [mm]	30	45	55	65	35	55
Weight per metre [g/m]	18	32	51	72	18	32
Roll length on reel [m]	200	100	100	100	200	100

V-BELTS

87 SHORE A TRANSPARENT

For use in all areas with light to medium loads

92 SHORE A WHITE

Applications: for medium to heavy loads; the design still offers sufficient flexibility.

98 SHORE A CREAM

Applications: especially for extreme loads and high temperatures; very hard quality

Profile	Standard roll length [m]	Min. welding length [mm][1]
8	50	400
Z/10	50	500
A/13	50	600
B/17	50	800
C/22	25	1000

[1] applies to 87 and 92 Shore A quality, others on request

TENSIONED	
optibelt KK	1.5–3.0 %
optibelt KK Plus	0.5–1.0 %

Profile	Weight per metre [kg/m]
KK – 8	0.040
KK – Z/10	0.060
KK – A/13	0.100
KK – B/17	0.180
KK – C/22	0.286
KK – A/13 – Supergrip	0.135
KK – B/17 – Supergrip	0.220
KK – C/22 – Supergrip	0.336
KK – B/17 – Form 1	0.224
KK – C/22 – Form 1	0.378
KK – B/17 – Form 2	0.282
KK Plus – A/13	0.104
KK Plus – B/17	0.185
KK-Plus – C/22	0.294
KK Plus – B/17 – Supergrip	0.225
KK Plus – C/22 – Supergrip	0.373

TENSILE VALUES AND MINIMUM DIAMETER OF V-BELTS

Profile	87 Shore A	
	Strength [N]	$d_w$min [mm]
KK – Z/10	50	71
KK – A/13	85	90
KK – B/17	140	112
KK – C/22	240	160
KK – B/17 – Supergrip	180	125
KK Plus – A/13	85	140
KK Plus – B/17	140	180
KK-Plus – C/22	240	200
KK Plus – B/17 – Supergrip	140	160
KK Plus – C/22 – Supergrip	240	180

$d_w$min = minimum effective pulley diameter

Profile	92 Shore A	
	Strength [N]	$d_w$min [mm]
KK – 8	45	63
KK – A/13	120	100
KK – B/17	210	140
KK – C/22	350	180
KK – A/13 – Supergrip	160	125
KK – B/17 – Supergrip	250	160
KK – C/22 – Supergrip	350	180
KK – B/17 – Form 1	230	120
KK – C/22 – Form 1	380	200
KK – B/17 – Form 2	310	280
KK Plus – A/13	120	140
KK Plus – B/17	210	180
KK Plus – B/17 – Supergrip	210	160

$d_w$min = minimum effective pulley diameter

Profile	98 Shore A	
	Strength [N]	$d_w$min [mm]
KK – A/13	240	125
KK – B/17	420	160

$d_w$min = Minimum effective pully diameter

PU V-BELTS					
optibelt KK	optibelt KK Plus	optibelt KK Supergrip	optibelt KK Plus Supergrip	optibelt KK Form 1	optibelt KK Form 2
					
Profile					
8, Z/10, A/13, B/17, C/22	A/13, B/17, C/22	A/13, B/17, C/22	A/13, B/17, C/22	B/17, C/22	B/17

CHEMICAL RESISTANCE

CHEMICAL RESISTANCE OF THE URETHANE BELTS

In practical applications, urethane belts may often be in contact with substances that make the use of conventional belts impossible.

The following list should give the user some guidelines regarding possible applications for the urethane belts. In case of doubt, however, definitive results can be gained only by carrying out a practical trial.

General behaviour with respect to aqueous liquids, oil, lubricating grease and urethanes:

- **WATER AND AQUEOUS MEDIA**

  Due to the chemical structure of the thermourethane material, the presence of water causes degradation of the polymer chains. This process speeds up with an increase in temperature. The effects of this degradation are a reduction in tear resistance and an increase in the compression set and the elongation at break. Hot water, hot aqueous solutions, saturated steam and hot humid air produce the same effects. At normal temperatures, the said media cause no detectable damaging effects, providing that they are neutral and do not exceed a temperature of +40 °C. Up to this temperature, no measurable changes to the mechanical properties can be ascertained. In cases where temperatures exceed 70 °C, however, a decrease in tear resistance of around 50 % can be expected.

- **ACIDS AND ALKALIS**

  Concentrated acids and aqueous alkalis are quick to attack belts even at room temperature. Exposure to a 10 % ammonia solution at room temperature results in a reduction in tear resistance of about 30 % after a short period of time (around 100 days). Exposure to 10 % sulphuric acid under the same conditions can be expected to cause a reduction in tear resistance of 10 %.

KEY TO RESISTANCE TABLE

++ = resistant over a longer period of time

\+ = limited resistance; discoloration and reduction of strength are possible

– = not resistant, but can still be used under certain conditions

–– = not resistant; severely affected within a short time

O = soluble

RT = room temperature: 23 °C

RESISTANCE TABLE

Medium	Temperature °C		Max. volume increase %
Acetone	RT	–	40
Al chloride aqueous, 5 % aq. sol.	RT	++	1
Ammonia, 10 % aq. sol.	RT	++	1
Aniline	RT	– –	
ASTM fuel A	RT	++	4
ASTM fuel B	RT	++	10
ASTM fuel C	20 °C	+	18
ASTM oil 1	80 °C	++	
ASTM oil 2	80 °C	++	3
ASTM oil 3	80 °C	++	6
Ethanol, 96 %	RT	+	11
Petrol, normal	RT	++	10
Petrol, super	RT	–	17
Benzene	RT	–	
Butanol	RT	–	
Butyl acetate	RT	–	40
Cyclohexanol	RT	+	5
Dibutyl phthalate	RT	+	40
Diesel oil	RT	++	5
Dimethylformamide	RT	O	
Acetic acid 3n	RT	–	2
Acetic acid, 20 %	RT	+	
Ethyl acetate	RT	–	40
Ethyl ether	RT	+	
Ferric chloride aqueous, 5 %	40 °C	+	
Glycol	RT	++	2
Glysantin/water 1 : 1	20 °C	+	
Glysantin/water 1 : 1	80 °C	+	
Isopropyl alcohol	RT	+	12
Kerosene	RT	++	3
Saline solution, concentrated	RT	++	
Methanol	RT	+	10
Dichloromethane	RT	– –	
Methyl ethyl ketone	RT	–	45
Mineral oil	80 °C	++	
Sodium base grease	RT	++	
Sodium hydroxide solution 1N	RT	+	
Nitric acid, 20 %	RT	– –	
Hydrochloric acid, 20 %	RT	+	
Sulphuric acid, 20 %	RT	+	
Seawater	RT	++	
Carbon tetrachloride	RT	–	
Toluene	RT	–	35
Trichloroethylene	RT	–	
Water	100 °C	–	
Water	RT	++	1
Water	80 °C	+	1.5

- **REGULAR PETROL AND SATURATED HYDROCARBONS**

  The urethane belts are completely resistant to saturated hydrocarbons. The only effect is a greater or lesser degree of swelling.

- **SUPER-GRADE PETROL AND AROMATIC HYDROCARBONS**

  Aromatics such as benzene, toluene etc. cause significant swelling of thermourethanes, even at room temperature, and result in a considerable reduction in hardness. Concentrated solutions of super-grade petrol have the same effect.

  The swelling can amount to as much as 50 % of the weight and cause a reduction in tear resistance of up to 40 %.

  The process is reversible, which means that approximately the initial tear resistance is achieved once the solvents have evaporated.

- **LUBRICATING OIL AND LUBRICATING GREASE**

  The belts have good resistance to lubricating oils and greases, even at higher temperatures. However, caution is advised in the case of special oils that have a higher acid content.

- If dichloromethane, ethylene chloride or other strong solvents are used, their negative effects are so great that they should not be allowed to come into contact with the belt over longer periods. Swollen belts are extremely susceptible particularly to mechanical damage.

The aforementioned properties and the table on page 8 are intended to help fabricators and designer engineers decide whether these urethane belts are suitable for specific applications.

The different versions vary slightly with regard to their chemical resistance.

When it comes to special applications, we recommend that you consult our Applications Engineering Department or carry out individual trials.

JOINING TOOLS

Service case BASIC

This five-piece service case BASIC provides the user with a complete set of standard equipment for occasional use.

The SG02 welding tool has a longer warm-up phase than the premium model and is suitable only for urethane belts that can be welded using the two corresponding guiding clamps as required.

The FZ01 guiding clamps are used for round belts with a diameter of up to 10 mm and for V-belts with profiles of up to 10, whereas the FZ02/3 model is used for round belts from 8 mm upwards in diameter and V-belts up to profile 32.

To ensure the perfect cut for optimum welding results, the set also includes a pair of shears as well as a side cutter for removing the weld seam.

MORE INFORMATION ON YOUTUBE

GUIDING CLAMPS FZ02/3

for round belts with diameters from 8 mm and V-belt profiles up to 32 (D)

SIDE CUTTER SE02

for removing the weld seam

SHEARS AS02

for cutting round belts and V-belts

GUIDING CLAMPS FZ01

for round belts with diameters of up to 10 mm and V-belt profiles up to 10 (Z)

WELDING TOOL SG02

for PU 290-300 °C; power supply: 230 V

Service case PREMIUM

This five-piece service case PREMIUM is suitable for daily use. With its ergonomic and temperature regulated EErgo welding tool, TPE and urethane belts can be welded quite easily at the press of a button. Due to the short warm-up phase, of less than two minutes, the tool is optimised for instant use.

The versatile FZ01 Vario clamps are a perfect complement to the other tools in the welding set. The quick clamping function allows round belts with diameters up to 10 mm and V-belts up to profile 10 to be clamped and welded within a short space of time. The exchangeable profile jaws also make it possible to process special profiles. The service case PREMIUM also includes a second set of guiding clamps, which are used for round belts with diameters from 8 mm upwards and V-belts with profiles of up to 32.

The set is completed by a pair of shears with an adjustable angled stop that allows both straight and angled cuts, and a side cutter for removing welded seams.

MORE INFORMATION ON YOUTUBE

GUIDING CLAMPS FZ02/3

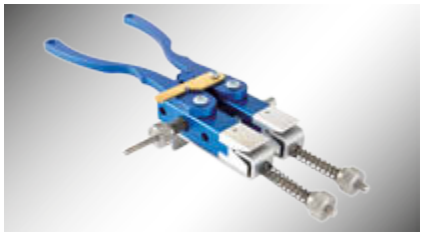
for round belts with diameters from 8 mm and V-belt profiles up to 32 (D)

SIDE CUTTER SE02

for removing the weld seam

SHEARS AS04

with adjustable angled stop



GUIDING CLAMPS FZ01 VARIO

with exchangeable profile jaws, for round belts with diameters of up to 10 mm and V-belt profiles up to 10 (Z)

WELDING TOOL EERGO

for TPE and PU; under 2 minutes warm-up time; temperature regulated welding tool, ergonomic and quick

JOINING TOOLS

Friction welding tool RS02 for round belt, V-belt and special profiles

ADVANTAGES OF THE RS02:

- Precision clamping jaws and automatic 0 setting prevent offset welded seams
- Speed-controlled frictional heat guarantees a 100% weld
- No poor welding seams caused by temperature fluctuations or draughts

MORE INFORMATION ON YOUTUBE

ACCESSORIES FOR THE FRICTION WELDING TOOL RS02:

- Friction welding device
- 1 set of standard clamping jaws of choice
- 1 Allen key
- 1 shears AS02
- 1 side cutter SE02
- 1 carrying case with rigid foam lining

STANDARD CLAMPING JAWS:

- For round belts, Ø 6 mm to 20 mm
- For V-belts, 6 x 4 mm to 22 x 14 mm
- For various special profiles

FOR ROUND BELTS

FOR V-BELTS

FOR SPECIAL PROFILES

Further standard clamping jaws for round belts and V-belts are available at additional cost.

We can also produce clamping jaws for special PU profiles on request.

GUIDELINES

FOR MORE QUALITY AND SUSTAINABILITY

The resolute implementation of stringent guidelines in quality, environmental and energy management in accordance with internationally applicable standards is an integral part of our corporate philosophy within the Arntz Optibelt Group.

The Environmental Management System in accordance with DIN EN ISO 14001 effectively helps Optibelt to continuously improve the company's environmental performance and permanently prevent adverse environmental impacts. All of the environmental effects of work processes and products are continuously determined and evaluated. The Energy Management System, in accordance with DIN EN ISO 50001, has enabled Optibelt to put important conditions and measures into place for the sustainable management of energy and raw material sources within the company. Their use and consumption can thus be purposely optimised – for sustainable energy efficiency.

The same high standards apply in the area of Quality Management, in accordance with DIN EN ISO 9001. Here, all of the Optibelt employees are highly committed, every day, to pursuing the objectives of meeting the most exacting demands in the areas of products, customer consultation, service and customer satisfaction and to continuously improving internal processes with the aim of improving efficiency.


Zertifikat
DIN EN ISO 50001:2011


Zertifikat
DIN EN ISO 14001:2015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ZERTIFIKAT

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'Adicionamos movimento ao seu negócio!"