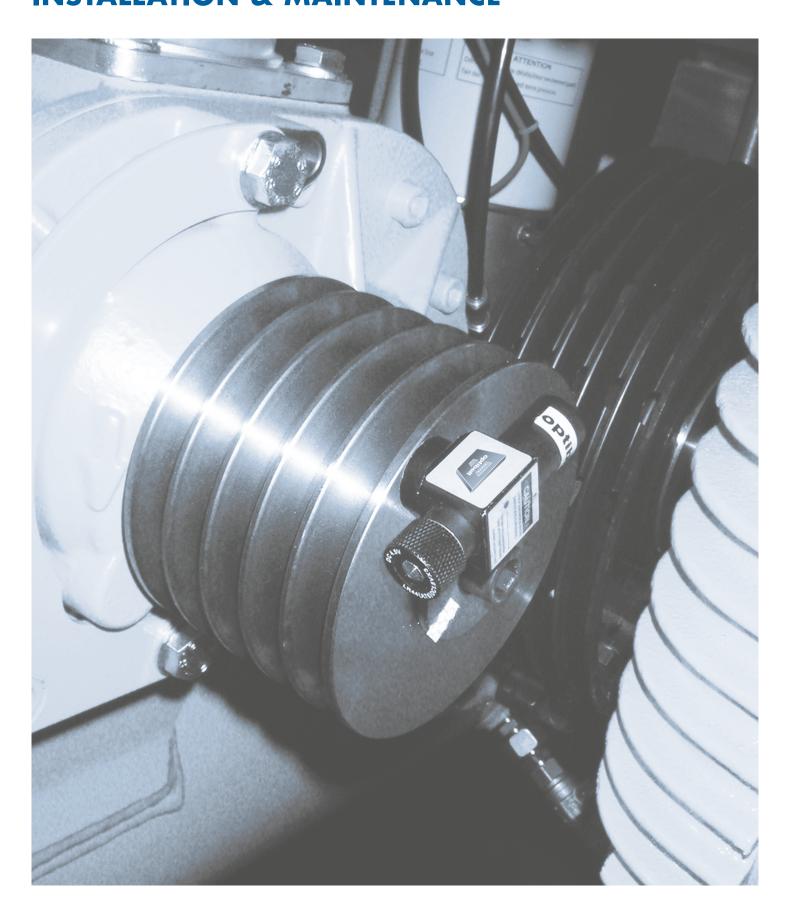
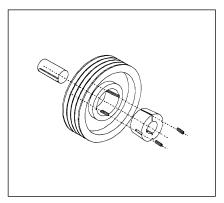


POWER TRANSMISSION INSTALLATION & MAINTENANCE



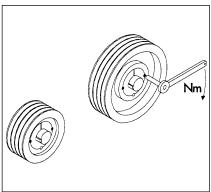
Installation and **Maintenance Instructions**

Safety: Before the beginning of any maintenance work, make sure that all machine components are in a safety position and that they cannot be changed during maintenance work. The safety instructions of the machine manufacturers must be observed.

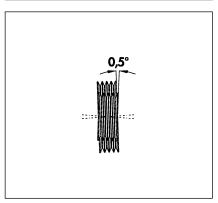


optibelt K5 V-grooved pulleys with taper bushes

The V-grooved pulleys are to be checked for damages and correct execution before the initial installation.



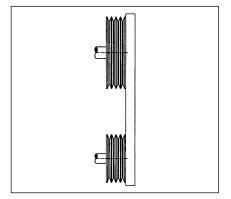
Taper bushes, tightening to	orques fo	or screws	
Size	Key width	Number of screws	Tightening torque (Nm)
TB 1008, 1108	3	2	5.7
TB 1210, 1215, 1310, 1610, 1615	5	2	20.0
TB 2012	6	2	31.0
TB 2517	6	2	49.0
TB 3020, 3030	8	2	92.0
TB 3525, 3535	10	3	115.0
TB 4040	12	3	172.0
TB 4545	14	3	195.0
TB 5050	14	3	275,0



Horizontal alignment of shafts

Motor and machine shafts may have to be aligned with a machine spirit level.

Maximum shaft deviation 0.5°



Vertical alignment of V-grooved pulleys

The alignment of the V-grooved pulleys is to be checked before and after the tighening of the taper bushes by means of a guide rail.

Check whether the pulley face width of the V-grooved pulleys is evenly dimensioned. A possible existing deviation of the pulley face width has to be taken into consideration correspondingly. With a symmetrical pulley face construction the distance to the guide rail to the smaller face width is half of the deviation.

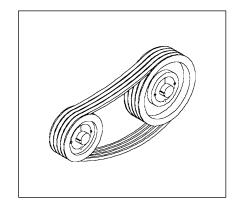
Installation and Maintenance Instructions

Note: These installation and maintenance instructions apply with appropriate modifications also to OPTIBELT timing belts and ribbed belts. For details see corresponding technical manuals.

Initial installation

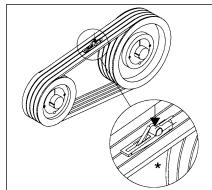
V-belts should be installed without using force. Installation using screwdrivers, crowbars etc. causes internal and external damage to the belt. V-belts installed by force may in some instances only work for a few days. Correct installation of the belt saves

If installation allowance is limited, it may be necessary to fit the belts to the pulleys and then attach them to the shafts.



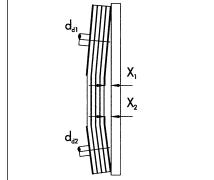
Belt tension

Belt tension values should follow OPTIBELT recommendations. Align the motor parallel up to the stated belt tension. Carry out several belt revolutions and check static belt tension again. Experience has shown that belt tension needs to be checked again after 0.5 to 4 hours and then corrected, if necessary. For further information on tensioning gauges and how to use them see page 5.



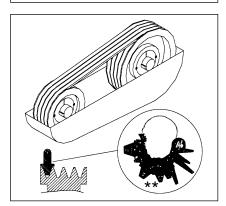
* Optikrik

Permissible shaft misalignment After tightening to the correct initial installation	Pulley diameter d _{d1} , d _{d2}	Maximum permissible centre distance X ₁ , X ₂	d _{a1}
tension, the distances X_1 and X_2 between the two pulleys d_{d1} and d_{d2} and the guide rail at shaft level should be measured. The distances measured should ideally fall below the maximum permissible values for the distance X from the table, depending on the pulley diameters d_d . According to pulley diameter, the interim values for X are to be interpolated.	112 mm 224 mm 450 mm 630 mm 900 mm 1100 mm 1400 mm	0.5 mm 1.0 mm 2.0 mm 3.0 mm 4.0 mm 5.0 mm 6.0 mm 7.0 mm	d_{d2}



Inspections

We recommend that the drive should be inspected regularly, e.g. after 3 to 6 months. V-grooved pulleys should be checked for wear and tear and overall condition. As an aid, you are advised to use the OPTIBELT section and pulley groove template.



* * section and pulley groove template

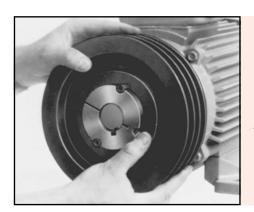
Installation and Maintenance Instructions V-Grooved Pulleys with Taper Bushes

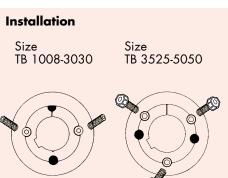
Installation

- All shiny surfaces such as bore and end envelope of cone of the taper bush as well as conical bore of the pulley should be clean and free of grease. Fit the taper bush into the hub and align with all holes. The half-tapped holes should be aligned with the half plain bored holes.
- Stud screws (TB 1008-3030) or fillister head screws (TB 3525 to 5050) should be slightly oiled and screwed in but not fully tightened.
- 3. Clean and degrease the shaft. Position the pulley with the taper bush in the correct place on the shaft. See information about V-grooved pulley alignment.
- If a key is used, place this first into the keyway of the shaft. Make sure there is a tolerance between the key and the bore keyway.



- Using a socket wrench according to DIN 911, tighten the stud screws or the fillister socket screws evenly to the torque values given in the table below.
- 6. After a short run (0.5 to 1 hour), check the tightening torque values of the screws and tighten if necessary.
- 7. Fill the empty bush bores with grease to prevent foreign matter from entering.



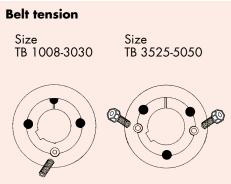


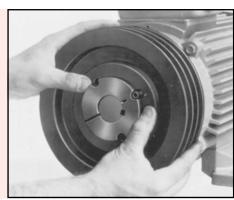


When V-grooved pulleys with taper bush are being replaced, the following points should be noted:

- Loosen all screws. According to bush size, completely unscrew one or two screws, grease them and screw them into the proof test bores.
- Tighten the screw or screws evenly until the bush comes out of the hub and the pulley can move freely on the shaft.
- 3. Remove pulley with bush from the shaft.

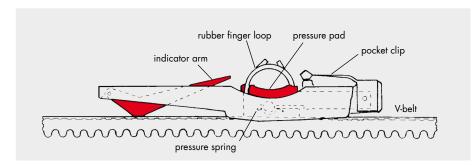






Belt Tension optibeIt Tension Testers

OPTIBELT OPTIKRIK tension gauges



This gauge serves as a simplified method of reading off the belt tension.

This simplified tensioning method should be used for example when technical data are not known and, therefore, the optimum tension cannot be calculated. The diameter of the smaller driver pulley and the belt section have to be determined only.

The OPTIBELT tension gauge is used to read off the belt tension. By reducing or increasing the belt tension the desired value can be obtained.

For different tension values, Optikrik 0, I, II, III with corresponding measurement ranges are available.

Instructions for use

- 1. The gauge is placed in the middle between the two pulleys on the back of the belt, in the case of belt sets ideally on the centre belt. (First, press the indicator arm fully onto the scale.)
- 2. Lay the gauge loosely on the belt to be measured and press a finger slowly onto the pressure surface.
- 3. Try not to touch the gauge with more than one finger during the measuring
- 4. Once you hear or feel a definite click, immediately release pressure and the indicator arm will remain in the measured position.
- 5. Carefully lift the gauge without moving the indicator arm. Read off the belt tension (see diagram). Read off the measurement at the exact point where the top surface of the indicator arm crosses the scale.
- 6. Reduce or increase the belt tension according to the measurement result until it is within the desired tension level.



This optibelt *TT3* frequency tension tester is used for tension checking of drive belts by means of frequency measurement. Measurements are in Hertz (Hz). When belt parameters are entered, tension is indicated in Newton (N).

Advantages of the tester:

- Non-contact, repetition sure measurement
- Large measurement range from 10-600 Hz
- High accuracy of measurement
- Quality assessment of the measurement results
- Storage in a data base
- Easy to use
- Universal measuring head for comfortable measuring
- Data communication via PC



Belt Tension optibelt V-Belts

Section	Diameter of the small pulley	Static belt tension [N]					
	d_e	RED PO	RED POWER II		dard oped	Super X-POWER M=5 (SUPER TX M=5)	
	[mm]	Initial installation up new belts	New installation existing belts	Initial installation	Operation after start-up	Initial installation	Operation after start-up
SPZ; 3V/9N; XPZ; 3VX/9NX	≤ 71 > 71 ≤ 90 > 90 ≤125 >125 *	250 300 400	200 250 300	200 250 350	150 200 250	250 300 400	200 250 300
SPA; XPA	≤100 >100≤140 >140≤200 >200 *	400 500 600	300 400 450	350 400 500	250 300 400	400 500 600	300 400 450
SPB; 5V/15N; XPB; 5VX/15NX	≤160 >160 ≤224 >224 ≤355 >355 *	700 850 1000	550 650 800	650 700 900	500 550 700	700 850 1000	550 650 800
SPC; XPC	≤250 >250 ≤355 >355 ≤560 >560 *	1400 1600 1900	1100 1200 1500	1000 1400 1800	800 1100 1400	1400 1600 1900	1100 1200 1500
Z/10; ZX/X10	≤ 50 > 50 ≤ 71 > 71 ≤100 >100 *	-	-	90 120 140	70 90 110	120 140 160	90 110 130
A/13; AX/X13	≤ 80 > 80 ≤ 100 > 100 ≤ 132 > 132 *	-	-	150 200 300	110 150 250	200 250 400	150 200 300
B/17; BX/X17	≤125 >125 ≤160 >160 ≤200 >200 *	-	-	300 400 500	250 300 400	450 500 600	350 400 450
C/22; CX/X22	≤200 >200 ≤250 >250 ≤355 >355 *	-	-	700 800 900	500 600 700	800 900 1000	600 700 800

^{*} Tension values for these pulleys must be calculated.

Tension gauges:

70 – 150 N 150 – 600 N Optikrik 0 Range: Optikrik I Range: Optikrik II Range: 500 - 1400 N Optikrik III Range: 1300 - 3100 N

The tension values (static belt tension) shown are guideline values when accurate drive data is not available. They are calculated for maximum power transmission capability per belt.

Calculation basis

Wedge belts belt speed v = 5 to 42 m/s belt speed v = 5 to 30 m/s Classical V-belts

Procedure

- 1. Look for the applied section in the column.
- 2. For this purpose take the smallest pulley diameter in the
- 3. You can read the corresponding static tension from the table.
- 4. Check static tension with the tension gauge as described.

Example

- 1. OPTIBELT V-belt standard section
- Smallest pulley diameter in drive
 Static belt tension tension initial installation
- 4. Static belt tension tension in operation

100 mm 350 N 250 N

SPZ

Belt Tension optibelt Ribbed Belts

Section	Diameter of the small		Static tension T _{max} [N]								
	pulley d _e [mm]	Initial installation	Operation after start-up	Initial installation	Operation after start-up	Initial installation	Operation after start-up	Initial installation	Operation after start-up	Initial installation	Operation after start-up
		4	PH	8	PH	12	PH	16	5 PH	20	PH
PH	≤ 25 > 25 ≤ 71 > 71 *	90 110	70 90	150 200	130 150	250 300	200 250	300 350	250 300	400 450	300 350
		4	PJ	8	PJ	12	2 PJ	16	6 PJ	24	₽J
PJ	≤ 40 > 40 ≤ 80 > 80 ≤132 >132 *	200 200 250	150 150 200	350 400 450	300 350 350	500 600 700	400 500 550	700 800 900	550 650 700	1000 1200 1300	800 1000 1000
		4	PK	8	PK	10) PK	12	2 PK	16	PK
PK	≤ 63 > 63 ≤100 >100 ≤140 >140 *	300 400 450	250 300 350	600 800 900	450 600 700	700 1000 1100	600 700 800	900 1200 1300	700 900 1000	1200 1500 1600	900 1200 1300
		6	PL	8	PL	10) PL	12	2 PL	16	5 PL
PL	≤ 90 > 90 ≤ 140 > 140 ≤ 200 > 200 *	800 1000 1100	600 700 800	1000 1300 1400	800 1000 1100	1300 1600 1900	1000 1300 1400	1500 1900 2100	1200 1500 1600	1900 2500 2800	1500 1900 2100

Procedure

- 1. Look for the applied section in the column.
- 2. For this purpose take the smallest pulley diameter in the drive system.
- 3. You can read the corresponding static tension in the table.
- 4. Check the static tension with the tension gauge as described.

Example

- 1. OPTIBELT RB ribbed belt section 4 PJ 2. Smallest pulley diameter in drive db 100 mm 3. Static belt tension – tension first installation 250 N
- 4. Static belt tension tension after start-up

Belt Tension optibeIt Timing Belts

For tension values of OPTIBELT timing belts please consult the corresponding technical manuals or contact our engineers from the applications engineering dept.

200 N

Problems - Causes - Remedies V-Belts

Problem	Possible causes	Remedies
Belt breaks after short running period (belt torn)	Forceful mounting, therefore, damaging the tension cord Drive blocked Ingress of foreign matter during operation Drive underdimensioned, insufficient number of belts	Apply unforced mounting according to instructions Remove the cause Fit a guard Check drive conditions and remachine
Excessive wear on belt edges	Tension too low Starting torque too high Worn pulley grooves Wrong belt/groove section Wrong groove angle Pulleys do not align Small pulley diameter below recommended minimum Belt slips or catches on protruding parts	Check tension and retension Check drive conditions and remachine Replace pulleys Adjust belt and groove sections Remachine or replace pulleys Allign pulleys Increase pulley diameter (new drive design), use OPTIBELT special execution or OPTIBELT Super X-POWER M=S (SUPER TX) Remove protrusions or realign drive
Cuts and splits at the base of the belt (brittleness)	Outside idler pulley in use the arrangement and diameter of which does not comply with our recommendations Abnormal belt slip Pulley diameter too small Ambient temperature too high	Note OPTIBELT recommendations e.g. increase diameter. Increase size of existing idler. Use OPTIBELT RED POWER II or OPTIBELT special execution. Retension drive according to installation instructions. Check drive conditions and redesign, if necessary. Redesign using minimum pulley diameters. Use OPTIBELT special execution or OPTIBELT Super X-POWER M=S (SUPER TX) Ensure good ventilation, protect belts from direct heat. Use OPTIBELT XHR
	Ambient temperature too low Chemical influences	special execution (extra heatresistant) or use OPTIBELT Super X-POWER M=S (SUPER TX) or belt with aramid cord construction. Warm area surrounding drive and belt before use. Use OPTIBELT special execution. Protect drive from contamination. Use OPTIBELT special execution.

Problems - Causes - Remedies V-Belts

Problem	Possible causes	Remedies
Belt swelling or softening	Contamination by oil, grease, chemicals	Protect drive from contamination. Use raw edge OPTIBELT Super X-POWER M=S (SUPER TX) or special execution "05". Clean pulley grooves with petrol or alcohol before using new belts!
Belts turn over	Wrong belt/groove section Pulleys do not align Pulley grooves severely worn Tension too low Excessive vibrations Foreign matter in pulley grooves	Realign belt and groove section correctly Realign pulleys Replace pulleys Retension drive Use inside idler pulley on drive slack side or OPTIBELT KB kraftbands Remove foreign matter and protect drive
Severe belt vibration	Drive overloaded (underdimensioned) Centre distance far larger than recommendations High shock loads Belt tension too low Unbalanced V-grooved pulleys	Check drive conditions and redesign Reduce shaft centre distance; use inside idler pulley on the drive slack side. Use OPTIBELT kraftbands. Use OPTIBELT kraftbands. Use inside idler pulley. Use OPTIBELT special execution. Correct tension Balance pulleys
Belts cannot be retensioned	Allowance of centre distance too low Excessive belt stretching, due to underdimensioned (and overloaded) drive Wrong belt length	Modify drive to allow more take-up according to OPTIBELT recommendations Recalculate drive design and modify Use shorter belt length
Excessive running noise	Poor drive alignment Belt tension too low Drive overloaded	Realign pulleys Check tension and retension Check drive conditions and redesign if necessary
Uneven belt stretching	Worn or badly machined pulley grooves Used belts mixed with new belts on the same drive Belts from different manufacturers used on the same drive	Replace pulleys Fit completely new set of belts Use belts in sets from one manufacturer only – OPTIBELT S=C PLUS, OPTIBELT Super X-POWER M=S (SUPER TX), OPTIBELT RED POWER II

If further problems arise, contact our engineers from the applications engineering dept. Detailed technical data are necessary for specific assistance.

Problems – Causes – Remedies Ribbed Belts

n 11	B 41	.
Problem	Possible causes	Remedies
Unusual wear and tear of ribs	Tension too low	Correct tension
	Ingress of foreign matter during operation	Fit a guard
The state of the s	Pulleys do not align	Align pulleys
	Pulleys defective	Remachine or replace pulleys
	Wrong rib/pulley section	Align rib and pulley section
Break of ribbed belts after short running time (belts torn)	Ribbed belt slips or catches on protruding parts	Remove protruding parts; realign drive
(acino icini)	Drive blocked	Remove cause
	Drive overloaded	Check drive conditions and redesign
O COMPANY AND STATE OF THE PARTY OF THE PART	Effects of oil, grease, chemicals	Protect drive from environmental influences
Cuts and splits in the ribs (brittleness)	Effects of an outside idler pulley the arrangement and diameter of which does not comply with our recommendations	Comply with OPTIBELT recommendations e.g. increase diameter; use an inside idler pulley on the drive slack side
	Pulley diameter too small	Ensure minimum pulley diameter
	Ambient temperature too high	Remove source of heat, protect belts from direct heat. Improve air ventilation.
	Ambient temperature too low	Warm up ribbed belt before use
	Abnormal belt slip	Retension drive according to installation instructions. Check drive conditions and redesign if necessary.
	Chemical influences	Protect drive from contamination

Problems - Causes - Remedies Ribbed Belts

Problem	Possible causes	Remedies
Severe vibrations	Drive underdimensioned Shaft centre distance far bigger than recommendations High shock loads Tension too low V-grooved pulleys not balanced	Check drive conditions and modify if necessary Reduce shaft centre distance. Install idler pulley on drive slack side. Use idler pulley Correct tension Balance pulleys
Ribbed belts cannot be retensioned	Adjustment allowance of shaft centre distance too small Excessive stretching caused by underdimensioned drive Incorrect ribbed belt length	Correct range of adjustment according to OPTIBELT recommendations Recalculate drive design and modify Install shorter ribbed belt length
Excessive running noise	Pulleys do not align Tension too low or too high Drive overloaded	Align pulleys Check tension Check drive conditions and redesign
Ribbed belts swelling and softening	Effects of oil, fat, chemicals	Protect drive from foreign matter Clean pulleys with petrol or alcohol before using new ribbed belts

Problems – Causes – Remedies Timing Belts

Problem	Possible causes	Remedies
Belt teeth shearing off (belt break)	Belt kinked before or during installation Overloading Number of engaging teeth too small Foreign matter in the drive Tension too high	Do not kink belts Install wider belts or larger pulleys Increase diameter of small pulley or choose wider belts Remove foreign matter and protect drive Correct tension
Severe wear on the tooth edge in use	Incorrect belt tension Overloading, drive underdimensioned Tooth pitch selection error Defective timing belt pulleys	Correct tension Install wider belts with higher power transmission capability / increase size of timing belt or pulley Check section and replace if necessary Replace timing belt pulleys
Unusual wear of sides of belt	Incorrect shaft parallelism Defective flanged pulleys Alteration of shaft centre distance	Realign shafts Replace flanged pulleys Reinforce bearings and/or casing
Excessive lateral run-off	Incorrect shaft parallelism Timing belt pulleys not aligned Shock load pressure when belt tension is too high	Realign shafts Realign pulleys Reduce belt tension

Problems - Causes - Remedies **Timing Belts**

Problem	Possible causes	Remedies
Excessive wear at the bottom of the notches	Belt tension too high Drive underdimensioned Defective timing belt pulleys	Reduce tension Increase size of timing belts and/or pulleys Replace timing belt pulleys
Tears in longitudinal direction	Defective flanged pulleys Belt runs up to the flanged pulley Effects of foreign matter during operation Cutting error during cutting of sleeve	Replace flanged pulleys Realign pulleys/shafts; correct tension Remove foreign matter; fit protective guard Check cutting adjustment and sleeve/belt guide setting
Flanged pulleys coming off	Timing belt pulleys not aligned Very strong lateral pressure of timing belt Incorrect installation of flanged pulleys	Realign timing belt pulleys Realign shafts Install flanged pulleys correctly
Excessive running noise	Incorrect shaft alignment Belt tension too high Pulley diameters too small Overloading of timing belt Belt width too large at high speed	Realign shafts Reduce tension Increase diameter of pulleys Increase width of belt or tooth engagement Reduce width of belt by selecting larger belt sections

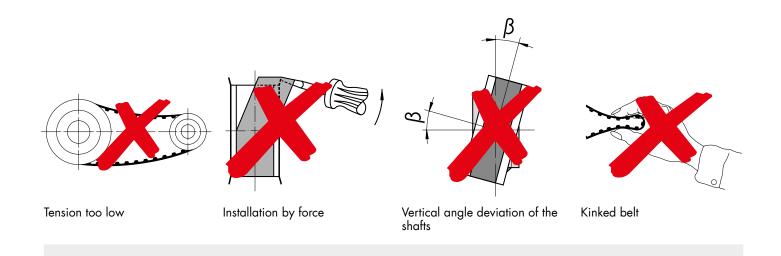
Problems – Causes – Remedies Timing Belts

Problem	Possible causes	Remedies
Apparent lengthening of belt	Storage too soft	Correct belt tension; increase and secure storage firmness
Abnormal wear of timing belt pulleys	Unsuitable working material Incorrect engagement of teeth Insufficient hardness of surface	Use harder working materials Replace timing belt pulleys Use harder material or carry out surface hardening
Brittleness of top surface	Ambient temperature higher than +85 °C Incompatible radiation	Choose extra heat resistant quality Protect or install suitable belt quality
Tears in the top surface	Ambient temperature below –30 °C	Install cold resistant belt quality
Softening of the top surface	Effects of incompatible substances and/or chemicals ne applications engineering dept. Detailed technical data	Protect or install suitable belt quality

If further problems arise, contact our engineers from the applications engineering dept. Detailed technical data are necessary for specific assistance.

Problem - Cause - Remedy Sources of Error







Aligned pulleys on axially parallel shafts

Axial misalignment of pulleys

Horizontal angle deviation of the shafts

The OPTIBELT offer is aimed exclusively at specialist distributors. OPTIBELT recommends that its products be used exclusively according to the instructions in the OPTIBELT documentations. OPTIBELT will not be held responsible if the products are used in any application for which they were not designed or manufactured. OPTIBELT would also like to point out its General Terms of Business.

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Installation, Maintenance and Storage



Drives with OPTIBELT V-belts that have been correctly installed in terms of geometry and performance guarantee high operational safety and maximum durability.

Practice has shown that unsatisfactory service life is often caused by installation and maintenance errors. In order to prevent these, we recommend that you carefully follow the below mentioned installation and maintenance instructions:

Safety

Before the beginning of any maintenance work, make sure that all machine components are in a safety position and that they cannot be changed during maintenance work. The safety instructions of the machine manufacturers must be observed.

Pulleys

The grooves must be produced according to standard and must be clean.

Alignment

Shafts and pulleys must be correctly aligned before installation.

We recommend that the maximum deviation of the pulley alignment should not exceed $\frac{1}{2}^{\circ}$.

• Multi-groove drives

V-belts for multi-groove drives must usually be measured in sets. The belt set tolerance according to the valid standard should be noted here. OPTIBELT S=C PLUS and OPTIBELT Super X-POWER M=S (SUPER TX) V-belts, however, can be combined into sets without measuring.

• Installation of the V-belts

Before installation, the shaft centre distance is to be reduced so that the belts can be placed in the grooves without force. Forced installation using crow-bars, screwdrivers etc. is not permitted under any circum-stances, as this damages – often not visible – the high-quality, low-stretch tension cord or the cover fabric.

• Belt tension

After the calculated shaft loading has been obtained, the tension of the belts should be checked. We recommend that you use our OPTIBELT tension gau-

ges for this purpose. The drive should be observed during the first hours of operation, and experience shows that it will need to be retensioned after running for a period from 0.5 to 4 hours under full load. This restores tension to the original level.

• Idler pulleys / guide pulleys

Idler pulleys and guide pulleys are to be avoided. If they have to be used, the recommendations of our manual must be followed.

Maintenance

We recommend regular checks of the V-belt drives. This includes checking the tension and, if necessary, correcting it. If in the case of multi-groove drives one or more V-belts fail, a new V-belt set must be mounted. V-belts from different manufacturers must not be combined to form a belt set. Before mounting new V-belts, the condition of the V-belt pulleys must be checked.

OPTIBELT V-belts do not require any special care. Belt wax and belt spray should not be used.

• Storage - general

Correctly stored V-belts maintain their quality and properties over a period of several years (also see DIN 7716). In unfavourable storage conditions and when incorrectly treated, most rubber products change their physical properties. Such changes can be caused for example by the effects of oxygen, ozone, extreme temperatures, light, dampness or solvents.

• Store-room

The store-room should be dry and free of dust.

V-belts should not be stored together with chemicals, solvents, fuel, lubricants, acids etc.

• Temperature

The recommended storage temperature should be +15 °C to +25 °C. Lower temperatures do not generally cause damage to V-belts. However, as they become very stiff as a result of cold, they should be brought up to a temperature of about +20 °C before operation. This will help to prevent breaks and tears.

Radiators and radiator pipes should be screened. The distance between the radiators and the stored goods must be at least 1 m.

Light

V-belts should be protected from light, especially from direct sunlight and from strong artificial light with a high ultra-violet content (ozone formation), e.g. naked neon tubes. The ideal form of lighting is with normal light bulbs.

Ozone

To counteract the harmful effects of ozone, the store-rooms must not contain any ozone-producing items e.g. fluorescent light sources, mercury vapour lamps, high-voltage electrical equipment etc. Combustion gases and vapours that can cause the production of ozone as a result of photo-chemical processes should be avoided or eliminated.

• Dampness

Damp store rooms are unsuitable. Efforts should be made to ensure that no condensation occurs. The relative air humidity should ideally be under 65%.

Storage

V-belts should be stored without ten-sion, i.e. without pulling, pressure or other deformations, as tension and permanent deformations can lead to formation of cracks.

If V-belts are placed on top of each other, it is advisable not to exceed a stacking height of 300 mm in order to avoid permanent deformations. If for reasons of space the belts are suspended, the diameter of the mandrel should be at least 10 times the height of the belt.

In the case of optibelt S=C PLUS, optibelt RED POWER II and optibelt Super X-POWER M=S (SUPER TX) there is no need to store in sets as these belts can be combined into sets without measuring.

Cleaning

Cleaning of dirty V-belts should be done with a glycerine-spirit mixture in the proportion of 1:10. Petrol, benzene, turpentine etc. should not be used. Sharp-edged objects, wire brushes, sandpaper etc. should not be used under any circumstances as this can cause mechanical damage to the V-belts.

