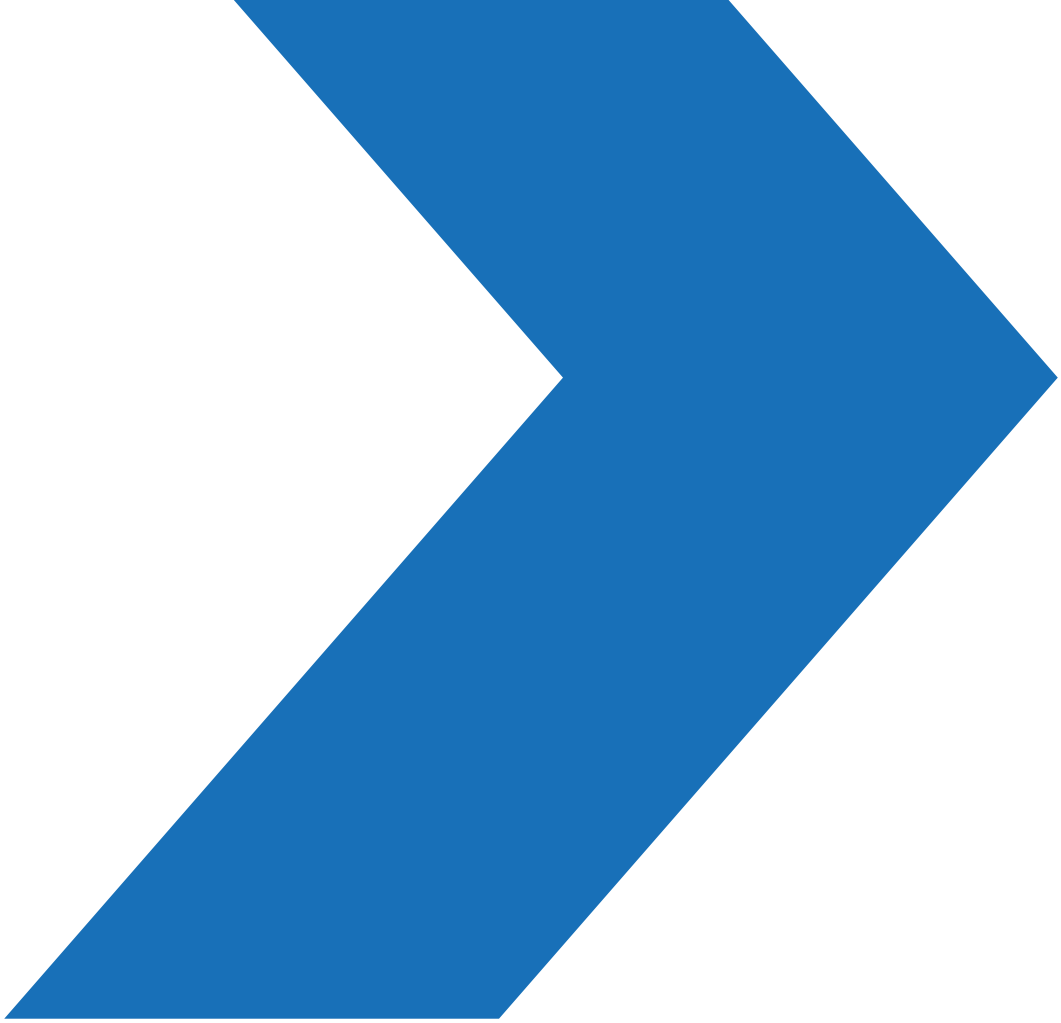


TECHNOFLEX®

The Power to Perform

TECHNOFLEX®

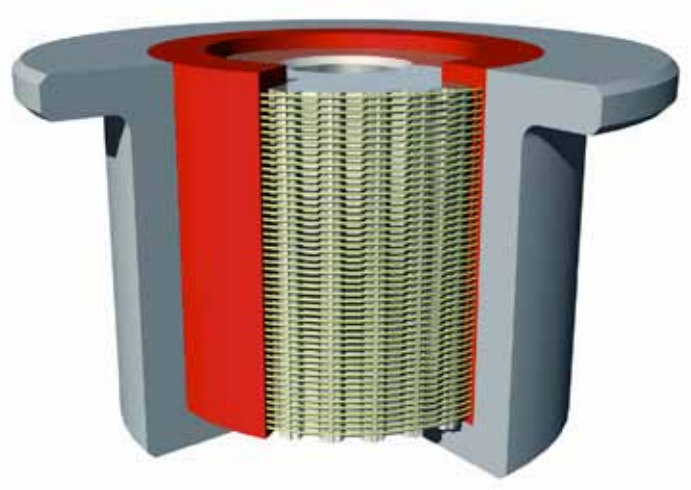
The Power to Perform

Flexible Couplings

TECHNOFLEX

POWER TO PERFORM

Know-how:	**Manufacturing PT components based on patented technology since 1982**
Patent number:	**PO4030/83**
Quality contr. system:	**ISO 9001:2000**



CENTRIFUGAL HEAT CAST PU PROCESSING
Using high performance urethane compound this process provides a wide range of material characteristics specifically formulated to suit your application.

ADVANTAGES
Due to the centrifugal force PU compound fills the form perfectly giving sharp and exact profile, and encloses the used reinforcing cord giving strong bounding between the cord and the body.

This process also provides availability of using different PU compounds to produce multi durometer and/or multi colour belts.

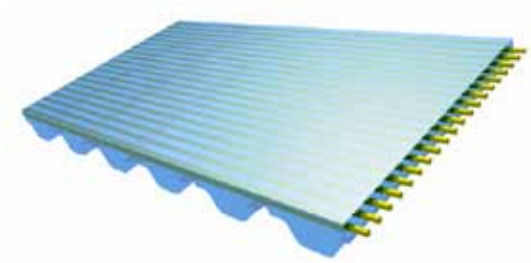
DIMENSION LIMITS
Belt length up to 1500 mm
Sleeve width max. 70-210 mm
(depending on pitch and belt length)

MATERIALS
- 65-95 ShA hardness PU compounds
- FDA approved materials

Cord types:	**more than 4 types of cords**
Basic material:	**polyurethane with different hardness, and also in FDA quality**
Color:	**wide range**

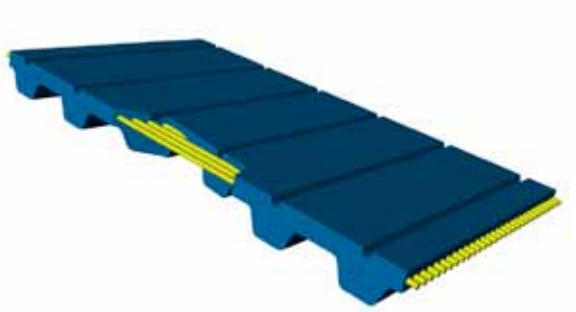
CONSTRUCTION

There are cord tensioners is the toothed timing belt that defines geometry of the construction securing the belt's pulling strength as well as capability of power transmission.



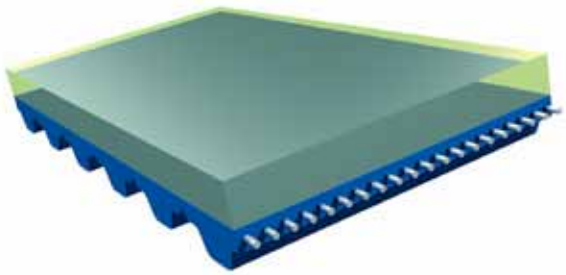
AVAILABLE CORD TYPES

- Fine steel cord
- Aramid (Kevlar) cord
- Polyesther cord
- Glass cord
- Stainless steel cord (on request)



CORD SUPPORT OUTSIDE BELTS

Cord support outside belts are used as a basic belt for vacuum belt, where tooth side must be grinded to seal the vacuum belt perfectly.



TRULY ENDLESS PU BELTS

Due to Technoflex's unique technology:

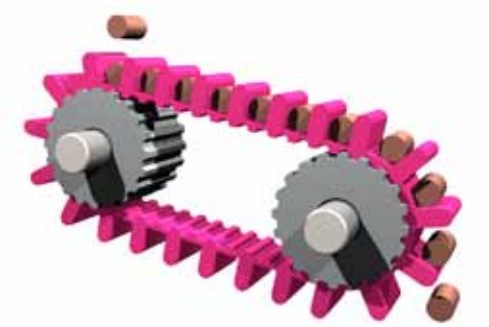
- ability of tooling up for special type (or size) quickly
- availability of custom designed belts
- manufacturing also smaller quantity in an economical way
- shorter time to change and switch between toolings

SHAPING GEOMETRY ON A FLEXIBLE WAY

Besides manufacturing normal belts our technology provides us to adjust to customer's special needs. Whether profiles, cords, or shaping the back, we are able to meet customer's requirements.

Facilities:

- **belts with profiles or with cleats**
- **belts with cover**
- **heat resistant belts**
- **belts without cord support**
- **belts without teeth**
- **etc.**



BELTS WITH PROFILE OR WITH CLEETS

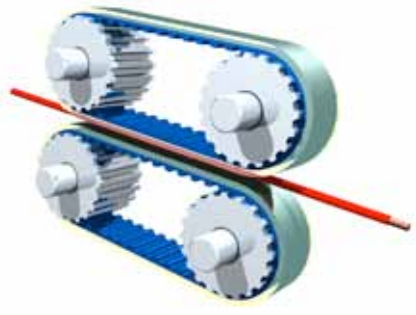
Using Technoflex's unique technology profiles and belts are moulded as one. This process provides very flexible profile design possibilities, profiles can be positioned extremely close. This technology gives exact profile spacing and form, strong profile shear strength.

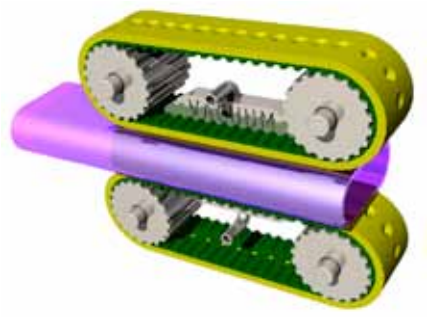
DOULBLE MOULDED BELT

PU cover moulded onto the base belt back directly, giving smooth running and strong bounding between the belt and the cover. Using different PU compounds can be produced multi durometer and/or multi colour belts.

Available hardness:

- basic belts: 88-92 ShA
- cover: 30-80 ShA





SILICON OR NEOPRENE COVERED BELTS

Used in packaging industry for haul-off belt.

Sales points:

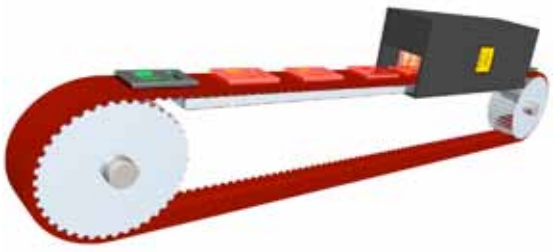
- the silicone cover resists chemicals and heat
- good adhesion
- excellent abrasion resistance
- vacuum construction is also available

For more details see the detailed datasheet.

HIGH TEMPERATURE TIMING BELT

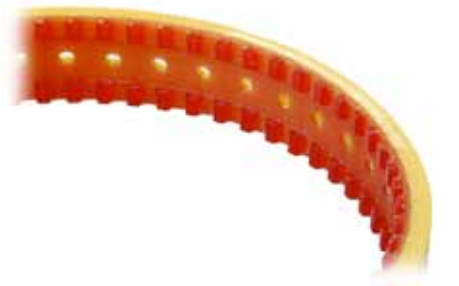
Patent Nr.: US11/396,529 EP 06112081,2

Due to Technoflex's unique and patented technology our timing belts can endure much higher environmental temperature than other ones made from regular material. Our timing belts can be used permanently over 170 °C too.



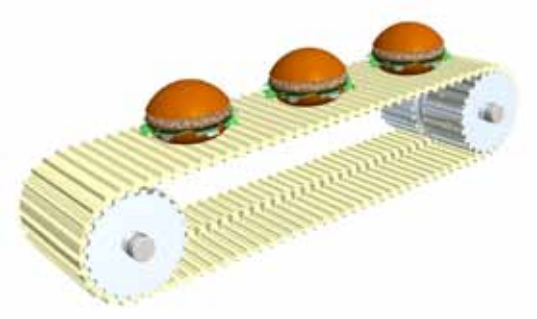
Facilities:

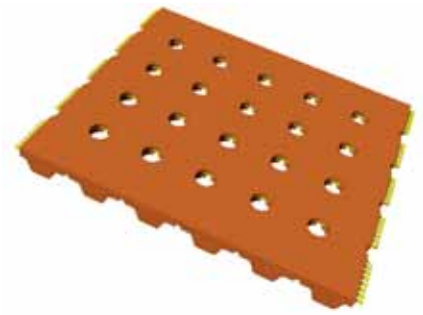
- **food-compatible belts (FDA)**
- **belts with holes**
- **fabricated belts**
- **etc.**



FDA-CONFORM BELTS

Because these belts are used in food-industry, they are moulded in their own toolings, separated from non FDA production line, using high quality FDA-conform approved PU compound.
One piece moulded profile belts are also available.



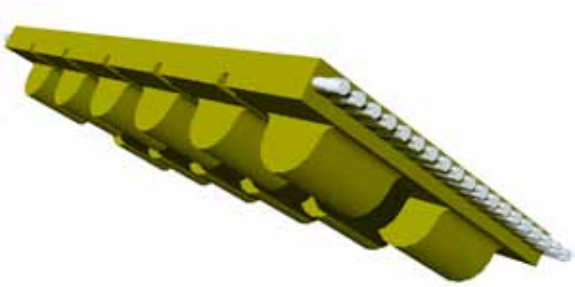


PERFORATED BELTS

Technoflex's technology enables the perforation of timing belts. Presently there is a possibility to punch holes option-ally. The material of cords causes though some limitation, this procedure can only be performed in case of kevlar or poly-esther cords.

FABRICATION ON TOOTH SIDE

It is often necessary to fabricate the teeth of the belt after-wards. For example in case of vacuum belts - besides the perforation - a groove must be cut along the belt.
Technoflex's technology enables to cut optional number of the groove. The width of the groove is also optional.



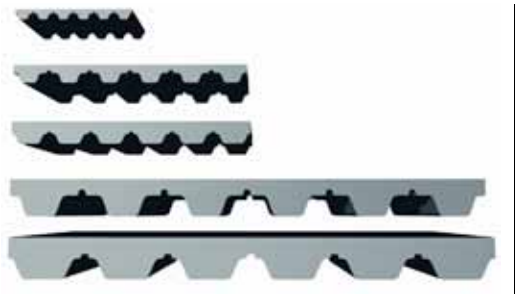
FABRICATION ON THE BACK SIDE

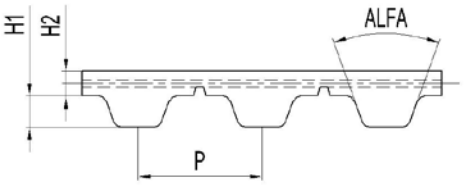
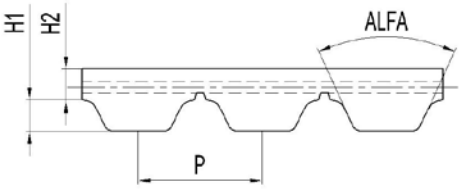
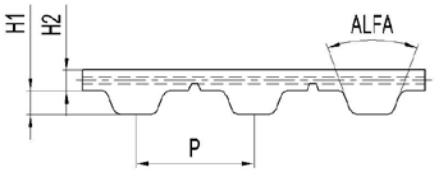
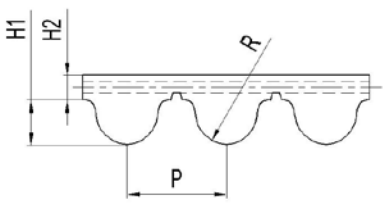
Technoflex can satisfy different customer needs, whether it is a partial or full fabrication of the back side.

Metric profiles: **- T2,5, T5, T10**
- AT3, AT5, AT10
- HTD

Inch profiles: **- M, XL, L, H**

Others: **- TT5, T5V, stb.**



Profile	P	ALFA	H1	H2	Geometry
T2,5	2,5	40°	0,7	0,6	
T5	5	40°	1,2	1	
T10	10	40°	2,5	2	
T20	20	40°	5	3	
AT3	3	50°	1,1	0,8	
AT5	5	50°	1,2	1,5	
AT10	10	50°	2,5	2,5	
AT20	20	50°	5	4	
M	2,032	40°	0,51	0,64	
XL	5,08	40°	1,32	1,22	
L	9,525	40°	1,85	1,7	
H	12,7	40°	2,18	2	
	P	R	H1	H2	
HTD-3M	3	0,87	1,2	1,2	
HTD-5M	5	1,49	2,1	1,5	
HTD-8M	8	2,46	3,38	2,22	

Fields of use: **packaging industry**

Advantages: **long life-span**
good adhesion
excellent abrasion resistance
optional direction of rotation

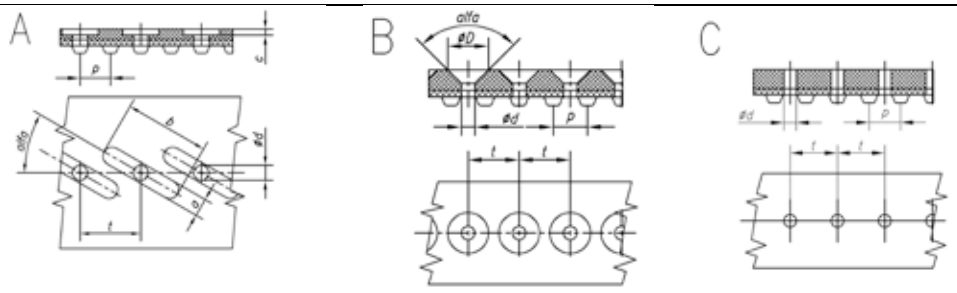
Application samlpe: **pulling-off belts of FFS packaging machines**

Type	Application sample	Pitch (mm)	Length (mm)	Width (mm)	Cord re-inforcement	Material of the basic belt	Color of the basic belt
T5-455 + 3Si		5	455	max 65	glass	rubber	black
T10-630 + 6Si	Rovema/ Kopas	10	630	25, 28, 30, 50	glass	rubber	black
T10-660 + 3Si	SZCS-25	10	660	max 50	glass	rubber	black
T10-700 + 6Si	Wolf	10	700	max 50	glass	rubber	black
T10-720 + 6Si	Altopack	10	720	max 40	glass	rubber	black
T10-780 + 6Si	Rovema	10	780	max 50	glass	rubber	black
T10-800 + 6Si		10	800	max 50	glass	rubber	black
T10-920 + 6Si		10	920	max 50	glass	rubber	black
T10-920 + 3.5Si	Bosch	10	920	50	glass	rubber	black
225L + 4,5Si	Hassia	9,525	571,5	25,4	glass	rubber	black
240 L + 6Si		9,525	609,6	max 50	glass	rubber	black
255 L + 6Si	FMC 700, Simionate	9,525	647,7	max 40	glass	rubber	black

Type	Grinding on tooth side (mm)	Coating (mm)	Coating (ShA)	Vacuum constr.	Perforation type	a	b	c	ØD	Ød	alfa	t (mm)
T5-455 + 3Si	optional	3	35	yes	C	-	-	-	-	-	-	-
T10-630 + 6Si	16	6	35	optional	B / C	-	-	-	12	4	90°	1,5p
T10-660 + 3Si	optional	3	35	yes	C	-	-	-	-	-	-	-
T10-700 + 6Si	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-720 + 6Si	15	6	35	optional	A / C	6	20	2	-	6	45°	1,5p
T10-780 + 6Si	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-920 + 6Si	optional	6	35	optional	A / C	6	28	2	-	5	30°	2p
T10-800 + 6Si	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-920 + 3.5Si	14	3,5	35	optional	A / C	6	28	2	-	5	30°	2p
225L + 4,5Si	15	6	35	yes	C	-	-	-	-	-	-	-
240 L + 6Si	optional	6	35	yes	C	-	-	-	-	-	-	-
255 L + 6Si	optional	6	35	yes	C	-	-	-	-	-	-	-

Notes:

1. The rubber covered belts are coated with a one piece moulded, endless and refined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar



Fields of use: **packaging industry**

Advantages: **long life-span**
good adhesion
excellent abrasion resistance
optional direction of rotation

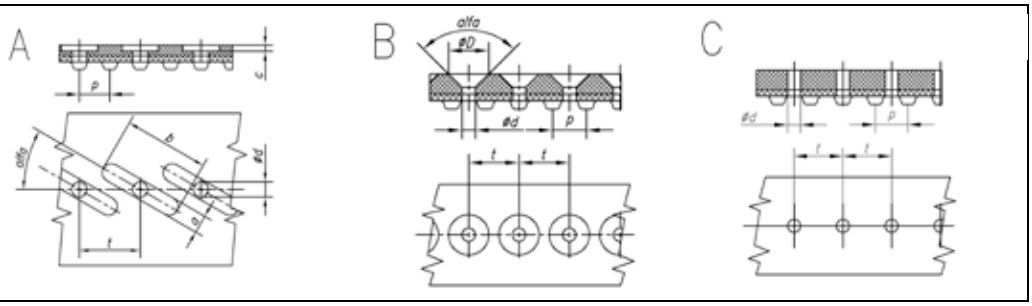
Application samlpe: **pulling-off belts of FFS packaging machines**

Type	Application sample	Pitch p (mm)	Length (mm)	Width (mm)	Cord re-inforcement	Material of the basic belt	Color of the basic belt
T5-455 + 3Li		5	455	max 65	glass fiber	neoprene	black
T10-630 + 6Li	Rovema/ Kopas	10	630	25, 28, 30, 50	glass fiber	neoprene	black
T10-660 + 3Li	SZCS-25	10	660	max 50	glass fiber	neoprene	black
T10-700 + 6Li	Wolf	10	700	max 50	glass fiber	neoprene	black
T10-720 + 6Li	Altopack	10	720	max 40	glass fiber	neoprene	black
T10-780 + 6Li	Rovema	10	780	max 50	glass fiber	neoprene	black
T10-800 + 6Li		10	800	max 50	glass fiber	neoprene	black
T10-920 + 6Li		10	920	max 50	glass fiber	neoprene	black
T10-920 + 3.5Li	Bosch	10	920	50	glass fiber	neoprene	black
225L + 4,5Li	Hassia	9,525	571,5	25,4	glass fiber	neoprene	black
240 L + 6Li		9,525	609,6	max 50	glass fiber	neoprene	black
255 L + 6Li	FMC 700, Simionate	9,525	647,7	max 40	glass fiber	neoprene	black

Type	Grinding on tooth side (mm)	Coating (mm)	Coating (ShA)	Vacuum Constr.	Perforation	a	b	c	ØD	Ød	alfa	t (mm)
T5-455 + 3Li	optional	3	35	yes	C	-	-	-	-	-	-	-
T10-630 + 6Si	16	6	35	optional	B / C	-	-	-	12	4	90°	1,5p
T10-660 + 3Li	optional	3	35	yes	C	-	-	-	-	-	-	-
T10-700 + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-720 + 6Li	15	6	35	optional	A / C	6	20	2	-	6	45°	1,5p
T10-780 + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-920 + 6Li	optional	6	35	optional	A / C	6	28	2	-	5	30°	2p
T10-800 + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-920 + 3.5Li	14	3,5	35	optional	A / C	6	28	2	-	5	30°	2p
225L + 4,5Li	15	6	35	yes	C	-	-	-	-	-	-	-
240 L + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
255 L + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-

Notes:

1. The Linatex covered belts are coated with a one piece moulded, endless and refined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar



Fields of use: **packaging industry**

Advantages: **long life-span**
good adhesion
excellent abrasion resistance
optional direction of rotation

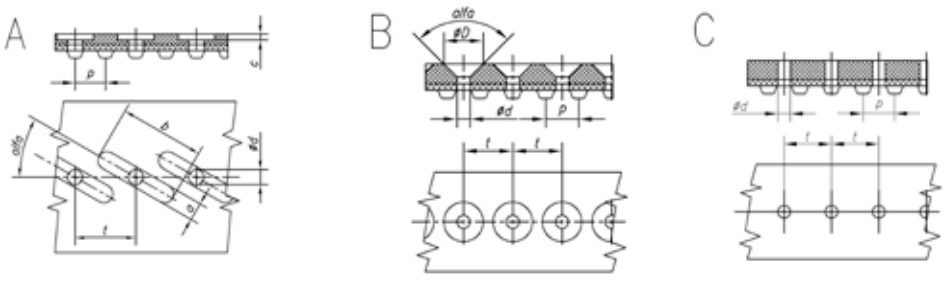
Application samlpe: **pulling-off belts of FFS packaging machines**

Type	Application sample	Pitch p (mm)	Length (mm)	Width (mm)	Cord re-inforcement	Material of the basic belt	Color of the basic belt	Construction of the basic belt
T2,5-330 + 2,9Li		2,5	330	20	kevlar	PU (90±2 ShA)	natur	cord support inside
T5-455 + 3Li		5	455	max 65	steel	PU (90±2 ShA)	blue	cord support inside
T10-630 + 6Li	Rovema	10	630	25, 28, 30, 50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
T10-630 + 6Li		10	630	max 50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
T10-630 + 4Li		10	630	max 50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
T10-660 + 3Li	SZCS-25	10	660	max 50	steel	PU (90±2 ShA)	natur	cord support inside
T10-700 + 6Li	Wolf	10	700	max 50	kevlar	PU (90±2 ShA)	red-brown	cord support inside
T10-780 + 6Li		10	780	max 50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
T10-920 + 6Li		10	920	max 50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
T10-920 + 3.5Li	Bosch	10	920	50	kevlar	PU (90±2 ShA)	red-brown	cord s. outside
255 L + 6Li	FMC 700,Simionate	9,525	647,7	max 40	kevlar	PU (90±2 ShA)	red-brown	cord support inside

Type	Grinding on tooth side (mm)	Coating (mm)	Coating (ShA)	Vacuum Constr.	Perforation	a	b	c	ØD	Ød	alfa	t (mm)
T2,5-330 + 2,9Li	-	2,9	35	yes	C	-	-	-	-	-	-	-
T5-455 + 3Li	optional	3	35	no	-	-	-	-	-	-	-	-
T10-630 + 6Li	16	6	35	optional	B / C	-	-	-	12	4	90°	1,5p
T10-630 + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-630 + 4Li	optional	4	35	optional	B / C	-	-	-	8	4	90°	1,5p / 2p
T10-660 + 3Li	optional	3	35	no	-	-	-	-	-	-	-	-
T10-700 + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-780 + 6Li	optional	6	35	optional	B / C	-	-	-	12	4	90°	1,5p / 2p
T10-920 + 6Li	optional	6	35	optional	B / C	-	-	-	12	4	90°	1,5p / 2p
T10-920 + 3.5Li	14	3,5	35	optional	A / C	6	28	2	-	5	30°	2p
255 L + 6Li	optional	6	35	yes	C	-	-	-	-	-	-	-

Notes:

1. The Linatex covered belts are coated with a one piece moulded, endless and refined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar



Fields of use: **packaging industry**

Advantages: **long life-span**
good adhesion
excellent abrasion resistance
optional direction of rotation

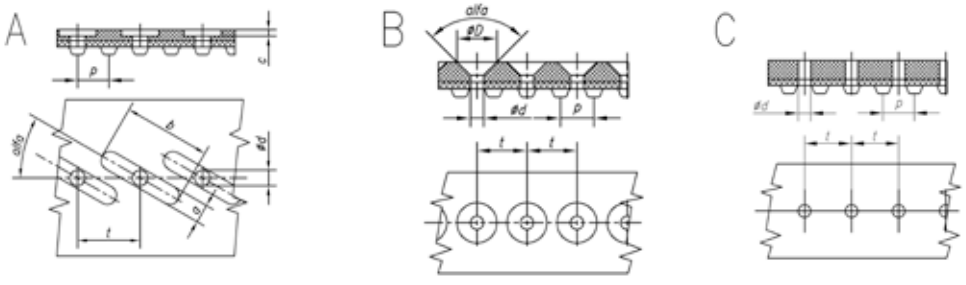
Application samlpe: **pulling-off belts of FFS packaging machines**

Type	Application sample	Pitch (mm)	Length (mm)	Width (mm)	Cord re-inforcement	Material of the basic belt	Color of the basic belt	Constructio n of PU
T5-455 + 3G		5	455	max 65	steel / kevlar	PU	blue	cord s. inside
T10-630 + 6G	Rovema / Kopas	10	630	25, 28, 30, 50	kevlar / glass	PU / rubber	red-brown / black	cord s. outside
T10-630 + 4G		10	630	max 50	kevlar / glass	PU / rubber	red-brown / black	cord s. outside
T10-660 + 3G	SZCS-25	10	660	max 50	steel / glass	PU / rubber	natur / black	cord s. inside
T10-700 + 6G	Wolf	10	700	max 50	kevlar	PU	red-brown	cord s. inside
T10-720 + 6G	Altopack	10	720	max 40	glass	rubber	black	-
T10-780 + 6G	Rovema	10	780	max 50	kevlar	PU	red-brown	cord s. outside
T10-920 + 6G		10	920	max 50	kevlar	PU	red-brown	cord s. outside
T10-920 + 3.5G	Bosch	10	920	50	kevlar	PU	red-brown	cord s. outside
225L + 6G	Hassia	9,525	571,5	25,4	glass	rubber	black	-
240L + 6G		9,525	609,6	max 50	kevlar / glass	PU / rubber	red-brown / black	cord s. inside
255 L + 6G	FMC 700, Simionate	9,525	647,7	max 40	kevlar / glass	PU / rubber	red-brown / black	cord s. inside

Type	Grinding on tooth side (mm)	Coating (mm)	Coating (ShA)	Vacuum constr.	Perforation type	a	b	c	ØD	Ød	alfa	t (mm)
T5-455 + 3G	optional	3	35	optional	- / C	-	-	-	-	-	-	-
T10-630 + 6G	16	6	35	optional	B / C	-	-	-	12	4	90°	1,5p
T10-630 + 4G	optional	4	35	yes	C	-	-	-	-	-	-	-
T10-660 + 3G	optional	3	35	optional	- / C	-	-	-	-	-	-	-
T10-700 + 6G	optional	6	35	yes	C	-	-	-	-	-	-	-
T10-720 + 6G	15	6	35	optional	A / C	6	20	2	-	6	45°	1,5p
T10-780 + 6G	optional	6	35	optional	B / C	-	-	-	12	4	90°	1,5p / 2p
T10-920 + 6G	optional	6	35	optional	B / C	-	-	-	12	4	90°	1,5p / 2p
T10-920 + 3.5G	14	3,5	35	optional	A / C	6	28	2	-	5	30°	2p
225L + 6G	15	6	35	optional	B / C	-	-	-	10	5	90°	1,5p
240L + 6G	optional	6	35	yes	C	-	-	-	-	-	-	-
255 L + 6G	optional	6	35	yes	C	-	-	-	-	-	-	-

Notes:

1. The rubber covered belts are coated with a one piece moulded, endless and re-fined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar



Fields of use: **packaging industry**

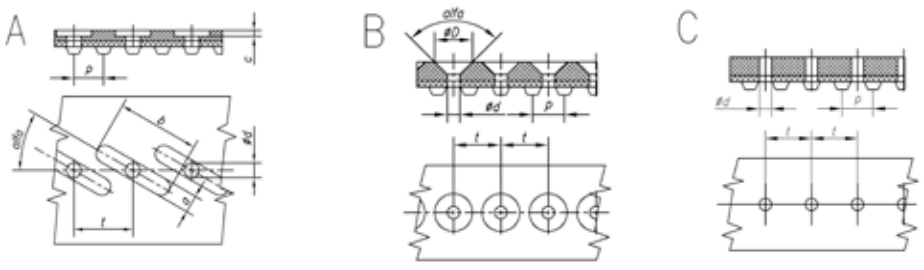
Advantages: **long life-span**
good adhesion
excellent abrasion resistance
optional direction of rotation

Application samlpe: **pulling-off belts of FFS packaging machines**

Cover			Belt types								
			Pu	Pu	Pu	Pu / Rubber	Rubber	Rubber	Rubber	Rubber	Rubber
Width (mm)	Thickness (mm)	Design	AT5	AT10	T5	T10	XL	L	H	HTD 5M	HTD 8M
80	3	plain	AT5-330		T5-330		130XL	130L		HTD 330 5M	
60	6	plain			T5-350	T10-350	140XL			HTD 350 5M	
60	3	plain	AT5-455		T5-455		180XL	180L		HTD 455 5M	
60	6	plain		AT10-560	T5-560	T10-560	220XL		220H	HTD 560 5M HTD 565 5M	HTD 560 8M
30	4,5	plain		AT10-580	T5-570 T5-575	T10-580	230XL	225L		HTD 570 5M HTD 575 5M	
30	6	plain		AT10-580	T5-570 T5-575	T10-580	230XL	225L		HTD 570 5M HTD 575 5M	HTD 656 8M
50	6	plain	AT5-610	AT10-610	T5-610	T10-610	240XL	240L		HTD 610 5M HTD 615 5M	
60	6	plain	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	HTD 630 5M	HTD 632 8M
60	4	plain	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	HTD 630 5M	HTD 632 8M
40	6	vacuumed B	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	HTD 630 5M	HTD 632 8M
44	3	plain			T5-650	T10-650	256XL 260XL	255L	255H	HTD 650 5M HTD 655 5M	HTD 656 8M
60	6	plain			T5-650	T10-650	256XL 260XL	255L	255H	HTD 650 5M HTD 655 5M	HTD 656 8M
50	3	plain	AT5-660	AT10-660	T5-660	T10-660	260XL		260H	HTD 665 5M	
44	6	plain	AT5-710	AT10-700	T5-700	T10-700	276XL 280XL	277L	280H	HTD 700 5M	
50	6	vacuumed A	AT5-720		T5-720 T5-725	T10-700	286XL	285L	285H	HTD 725 5M	HTD 720 8M
50	6	plain	AT5-780	AT10-780	T5-780	T10-780	310XL		310H		HTD 784 8M
50	6	plain		AT10920		T10-920	364XL	367L	365H	HTD 920 5M	HTD 920 8M
50	3,5	vacuumed A		AT10-920		T10-920	364XL	367L	365H	HTD 920 5M	HTD 920 8M

Notes:

1. The rubber covered belts are coated with a one piece moulded, endless and refined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar



Application field: **cable pulling industry, packaging and paper industry**

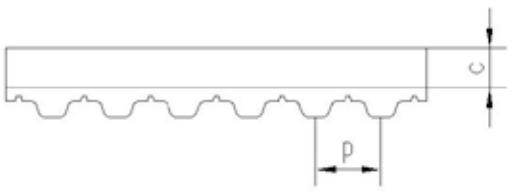
Advantages:
long life-span
good adhesion
excellent abrasion resistance
optional direction of rotation

Application: **e.g. pulling-off belts of cable pulling machines**

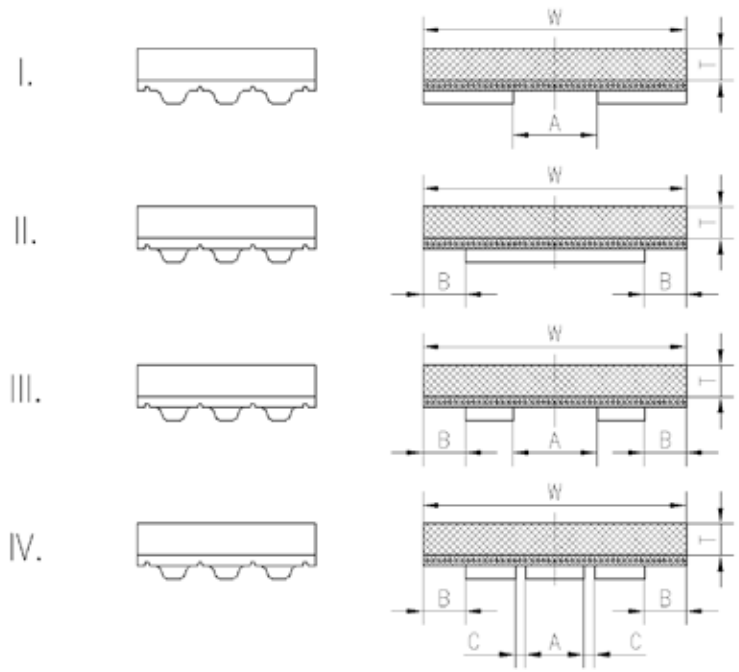
Type	Application sample	Pitch (mm)	Lenght (mm)	Width (mm)	Cord	Material of basic belt	Color of basic belt	Construc-tion	Thickness of coating	Color of coating	Coating (ShA)
T5-455 + 2mm Pu	Komax	5	455	16	steel	PU (90±2ShA)	blue	cord sup-port inside	2	natur	72
187 L + 3mm Pu		9,525	476,25	max. 152,4 (6")	kevlar	PU (90±2ShA)	blue	cord sup-port inside	3	red	72
T5-260		5	260	max. 75	steel	PU (90±2ShA)	optional	cord sup-port inside	3	optional	72
T5-270		5	270	max. 75	steel	PU (90±2ShA)	optional	cord sup-port inside	3	optional	72
T2,5-330		2,5	330	max. 75	kevlar	PU (90±2ShA)	optional	cord sup-port inside	3	natur	72
AT5-320	Komax	5	320	max. 80	steel	PU (90±2ShA)	optional	cord sup-port inside	1,5	natur	72

Notes:

1. All poliurethane covered belts are coated with a one piece moulded, endless and refined cover, so the direction of rotation can be optional
2. The steel cords can be replaced optionally by Kevlar
3. Optionally the belts can be produced antistatic
4. If the customer wishes the poliurethane cover can be replaced by 30 ShA silicone



CUSTOMER CLICHE FOR COVERED TIMING BELTS



1. Print this page

2. Choose the drawing which is adequate to the belt you would like to order

3. Measure the marked sizes with a precise gauge (e.g. with caliper)

4. Fill in the table below

5. Give the profile of the belt you would like to order (e. g. T5, T10, L, XL etc.)

6. Give the teeth number of the belt

7. Give the material and hardness of the cover (if it is known)

8. If you don't find the drawing which is adequate to the belt you would like to order, please prepare a drawing, and paste it to the empty field below.

9. Send us the filled datasheet (in e-mail, if possible)

Construction	W	T	A	B	C	Profile of the belt	Number of teeth	Cover
I.				-	-			
II.			-		-			
III.					-			
IV.								

Your construction:

NOTES FOR BELTS

GUIDE FOR ORDERING OF BEAM COUPLING

„S" – type	„C" – type
	

ORDER GUIDE:

N A S – 5 – C 8H7 / 10H7

1 2 3 4 5 6

1) BEAM CONFIGURATION
- N : 6 spiral
- R : 3 spiral

2) RAW MATRIAL
- A : aluminium EW 7075
- H : stainless steel 1.4305
- S : carbon steel ETG-100

3) SHAFT FIXING
- S : screw
- C : with clamp

4) SIZE

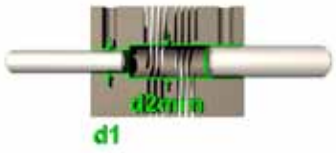
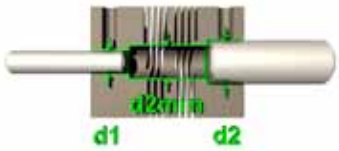
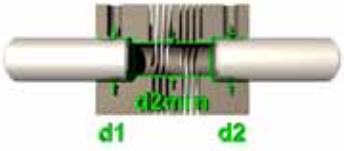
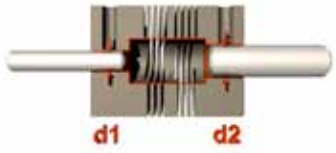
5) OPTION
- C : chamber, inner diameter is 0.8 mm bigger than the bigger diameter of the bigger bore. In type R it is valid for normal case

6) SIZE OF BORE
- basic (pilot) bore
- bores with H7 tolerance

Options:

„N" – In this type for request it is possible that min size of d2 is bigger with 0.8 mm than bore size of d1 and d2.

„R" – in normal case relief bore is 0.8 mm bigger than d2 bore.

	d1 < d2 = d2min, major shaft may not enter beneath the beams, see „N" dimension of the coupling !
	d1 = d2 = d2min, shaft may not enter beneath the beams, see „N" dimension of the coupling !
	d1 < d2min, d2 > d2min, no risk in installation.
	d1 > d2min, d2 > d2min, do not compress the coupling ! See „N" dimension of the coupling !
	Whit chamber, no risk in installation.

Field of Application: Machine industry.
Advantages: Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating, systems, high torsion stiffness.
Typical applications: Encoder drives, step motors, servo drives

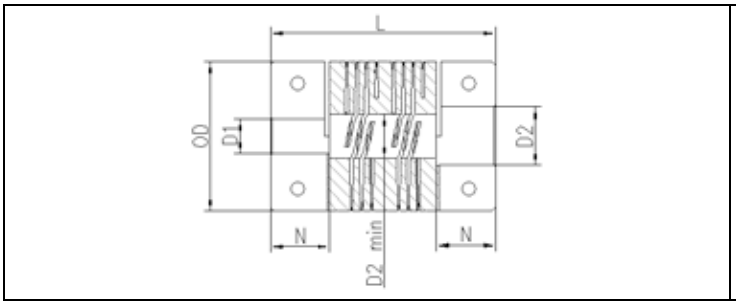
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
NAC 2	1.9	2.8	4.75	9.5	19.6	5.3	M1,6	3	0.12	1
NAC 3	2.8	4.4	6.35	12.7	22.9	6.5	M2	5	0.17	2
NAC 3,5	2.8	4.8	8	15.9	25.4	6.5	M2,5	5	0.2	3.4
NAC 4	4.4	5.8	10	19.1	26.5	6.5	M2,5	7	0.25	5.3
NAC 5	5.8	7.5	12.7	25.4	38.1	11	M3	7	0.37	10
NAC 6	5.8	9.8	16	31.8	57.2	16	M4	7	0.5	15
NAC 7	7.8	11.8	19	38.1	66.7	18	M5	7	0.6	22

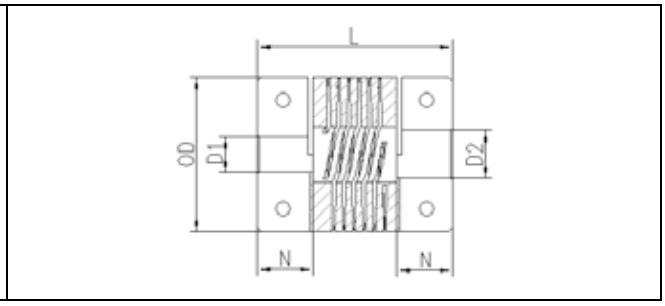
3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
RAC 2	1.9	2.8	4	9.5	14.2	4.5	M1,6	3	0.1	0.4
RAC 3	2.8	3.8	5	12.7	19.1	6	M2	5	0.127	0.9
RAC 3.5	2.8	3.8	6.35	15.9	20.3	6.5	M2,5	5	0.127	1.5
RAC 4	2.8	4.8	8	19.1	22.9	6.5	M2,5	5	0.127	2.5
RAC 5	4.8	5.8	11	25.4	31.8	9	M3	5	0.127	4
RAC 6	5.8	7.8	14	31.8	44.5	12	M4	5	0.127	6

6 BEAM



3 BEAM



Field of Application: Machine industry.
Advantages: Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating, systems, high torsion stiffness.
Typical applications: Encoder drives, step motors, servo drives

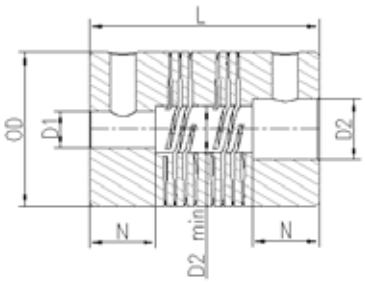
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
NAS 2	1.9	2.8	4.75	9.5	19.6	5.3	M2,5	3	0.12	1
NAS 3	2.8	4.4	6.35	12.7	22.9	6.5	M3	5	0.17	2
NAS 3,5	2.8	4.8	8	15.9	25.4	6.5	M4	5	0.2	3.4
NAS 4	4.4	5.8	10	19.1	26.5	6.5	M4	7	0.25	5.3
NAS 5	5.8	7.5	12.7	25.4	38.1	11	M5	7	0.37	10
NAS 6	5.8	9.8	19	31.8	57.2	16	M6	7	0.5	15
NAS 7	7.8	11.8	22	38.1	66.7	18	M6	7	0.6	22

3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
RAS 2	1.9	2.8	4	9.5	14.2	4.5	M2,5	3	0.1	0.4
RAS 3	2.8	3.8	5	12.7	19.1	6	M3	5	0.127	0.9
RAS 3.5	2.8	3.8	6.35	15.9	20.3	6.5	M4	5	0.127	1.5
RAS 4	2.8	4.8	8	19.1	22.9	6.5	M4	5	0.127	2.5
RAS 5	4.8	5.8	11	25.4	31.8	9	M5	5	0.127	4
RAS 6	5.8	7.8	14	31.8	44.5	12	M6	5	0.127	6

6 BEAM



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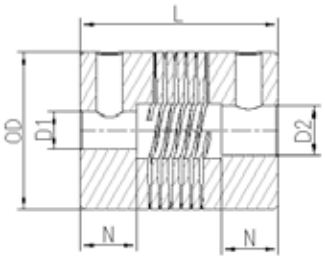


Application field: **Machine industry.**

Advantages: **Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating systems, high torsion stiffness.**

Typical applications: **Encoder drives, step motors, servo drives**

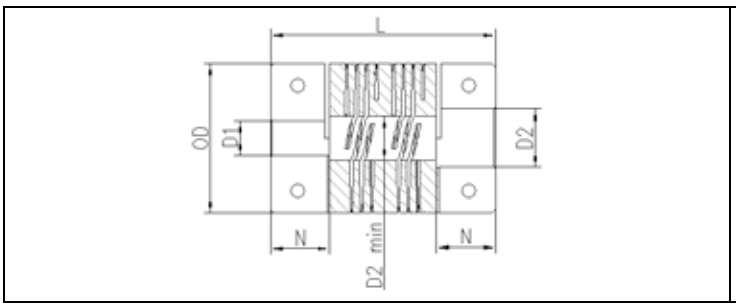
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
NHC 3	2.8	4.4	6.35	12.7	25.4	6.5	M2	5	0.17	3
NHC 3,5	2.8	4.8	8	15.9	25.4	6.5	M2,5	5	0.2	5
NHC 4	4.4	5.8	10	19.1	28	6.5	M2,5	7	0.25	8
NHC 5	5.8	7.5	12.7	25.4	38.1	11	M4	7	0.37	16

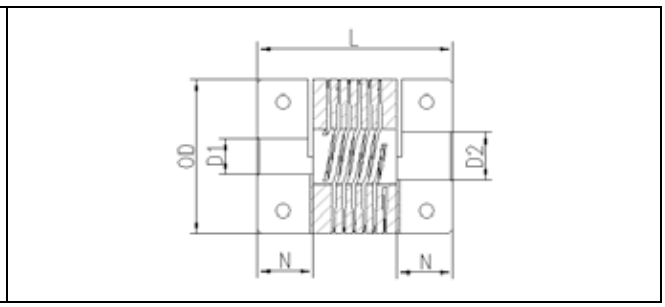
3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
RHC 3	2.8	3.8	5	12.7	19.1	6	M2	5	0.127	1
RHC 3,5	2.8	3.8	6.35	15.9	20.3	6	M2.5	5	0.127	1.8
RHC 4	2.8	4.8	8	19.1	22.9	6.5	M2,5	5	0.127	2.7
RHC 5	4.8	5.8	11	25.4	31.8	9	M4	5	0.127	6

6 BEAM



3 BEAM



Application field: Machine industry.

Advantages: Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating systems, high torsion stiffness.

Typical applications: Encoder drives, step motors, servo drives

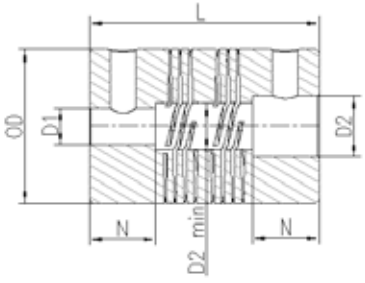
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
NHS 3	2.8	4.4	6.35	12.7	25.4	6.5	M3	5	0.17	3
NHS 3,5	2.8	4.8	8	15.9	25.4	6.5	M4	5	0.2	5
NHS 4	4.4	5.8	10	19.1	28	6.5	M4	7	0.25	8
NHS 5	5.8	7.5	12.7	25.4	38.1	11	M5	7	0.37	16

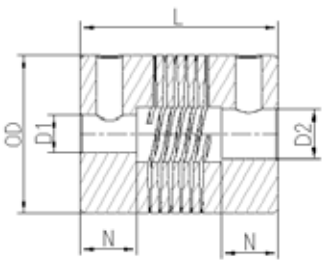
3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
RHS 3	2.8	3.8	5	12.7	19.1	6	M3	5	0.127	1
RHS 3,5	2.8	3.8	6.35	15.9	20.3	6	M4	5	0.127	1.8
RHS 4	2.8	4.8	8	19.1	22.9	6.5	M4	5	0.127	2.7
RHS 5	4.8	5.8	11	25.4	31.8	9	M5	5	0.127	6

6 BEAM



3 BEAM



Application field: Machine industry.

Advantages: Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating systems, high torsion stiffness

Typical applications: Encoder drives, step motors, servo drives

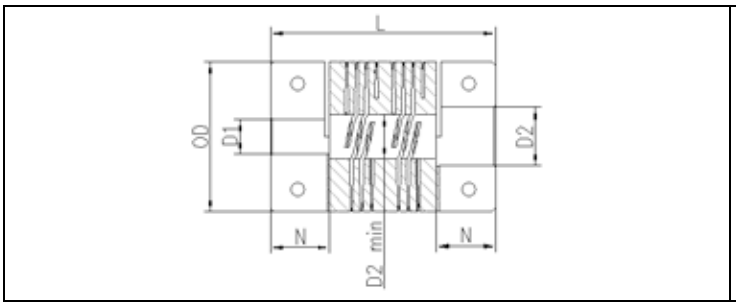
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
NSC 3	2.8	4.4	6.35	12.7	25.4	6.5	M2	5	0.17	3
NSC 3,5	2.8	4.8	8	15.9	25.4	6.5	M2,5	5	0.2	5
NSC 4	4.4	5.8	10	19.1	28	6.5	M2,5	7	0.25	9
NSC 5	5.8	7.5	12.7	25	38.1	11	M4	7	0.37	18
NSC 6	5.8	9.8	16	31.8	57.2	16	M4	7	0.5	28

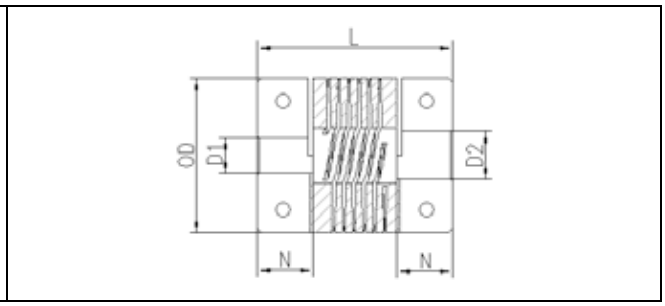
3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Clamp	D1min.	D2min.	D1, D2 max.	OD	L	N				
RSC 3	2.8	3.8	5	12.7	19.1	6	M2	5	0.127	1
RSC 3.5	2.8	3.8	6.35	15.9	20.3	6	M2,5	5	0.127	2
RSC 4	2.8	4.8	8	19.1	22.9	6.5	M2,5	5	0.127	3
RSC 5	4.8	5.8	11	25	31.8	9	M4	5	0.127	6
RSC 6	5.8	7.8	14	31.8	44.5	12	M4	5	0.127	11

6 BEAM



3 BEAM



Application field: Machine industry.

Advantages: Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating systems, high torsion stiffness

Typical applications: Encoder drives, step motors, servo drives

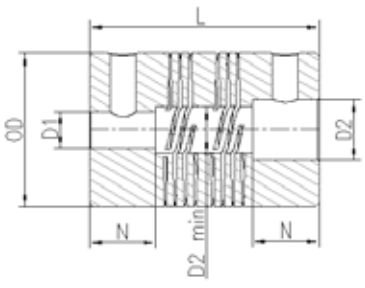
6 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
NSS 3	2.8	4.4	6.35	12.7	25.4	6.5	M3	5	0.17	3
NSS 3,5	2.8	4.8	8	15.9	25.4	6.5	M4	5	0.2	5
NSS 4	4.4	5.8	10	19.1	28	6.5	M4	7	0.25	9
NSS 5	5.8	7.5	12.7	25	38.1	11	M5	7	0.37	18
NSS 6	5.8	9.8	16	31.8	57.2	16	M6	7	0.5	28

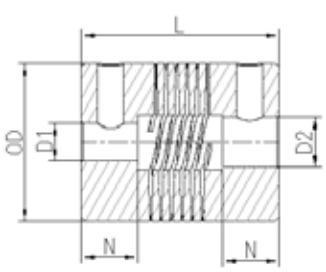
3 BEAM

Type	Bore sizes (mm)			Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
Set screw	D1min.	D2min.	D1, D2 max.	OD	L	N				
RSS 3	2.8	3.8	5	12.7	19.1	6	M3	5	0.127	1
RSS 3.5	2.8	3.8	6.35	15.9	20.3	6	M4	5	0.127	2
RSS 4	2.8	4.8	8	19.1	22.9	6.5	M4	5	0.127	3
RSS 5	4.8	5.8	11	25	31.8	9	M5	5	0.127	6
RSS 6	5.8	7.8	14	31.8	44.5	12	M6	5	0.127	11

6 BEAM



3 BEAM



Application field: **Machine industry.**

Advantages: **Compensates angular, parallel, 3D misalignment constant velocity, angular accuracy in rotating systems, high torsion stiffness**

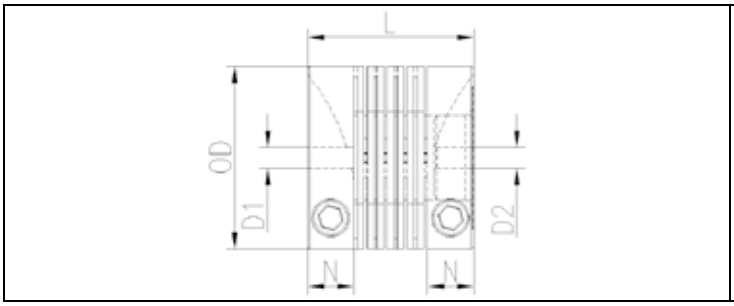
Typical applications: **NCN machines and servo drives**

PARALLEL COUPLINGS

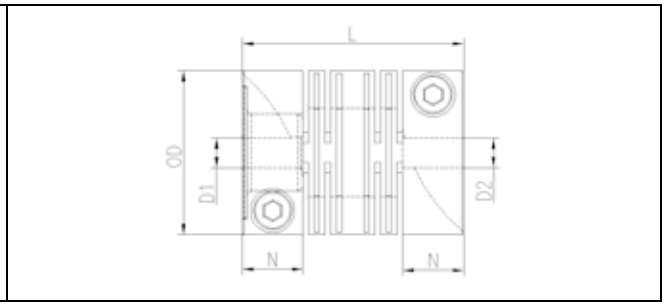
Type	Bore sizes (mm)		Dimensions (mm)			Screw	Ang. offset (deg.)	Par.offset (mm)	Nominal torque (Nm)	Screwing stiffness 10^3 Nm/Rad
	D1, D2 min.	D1, D2 max.	OD	L	N					
PAC-22	2.5	10	21.8	20	5.6	M2,5	1	0.3	1	0.2
PAC-30	5.5	14	29.7	40	11	M4	1.7	0.2	8	4.6
PAC-40	5.5	19	39.5	48	11	M5	1.7	0.3	17	11

High torsional stiffness, simple maintenance, suitable for all kind of drives
The coupling is suitable for balancing axial, radial and angular misalignments between shafts

PAC-22



PAC-30 / PAC-40

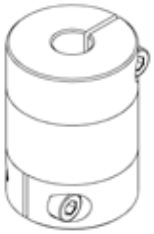


Field of Application:	Machine industry
Advantages:	Balance of angular misalignment of shafts, balance of parallel misalignment of shafts, precise, steady transmission of swing, high torsional stiffness, electric isolation of the end of shafts
Typical applications:	Joint of rotating sign givers, servo-drives

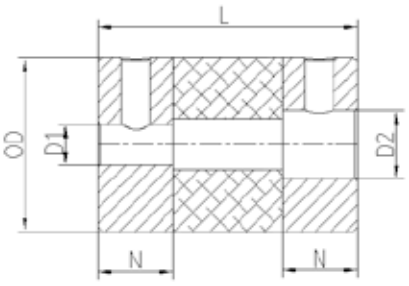
„S"-TYPE

Type	Bore sizes (mm)			Dimensions (mm)			Screw D1min.	Ang. offset (deg.) D2min.	Par.offset (mm) D1, D2 max.	Max. Torque (Nm) OD
	D1min.	D2min.	D1, D2 max.	OD	L	N				
NPS 4	4,4	5,8	10	19,1	26,5	6,5	M4	0,6	0.1	3
NPS 5	5.8	7,5	12,7	25,4	38,1	11	M5	1	0.15	5,7
NPS-6	5,8	9,8	19	31,8	57,2	16	M6	1,6	0.2	8

„C"-TYPE

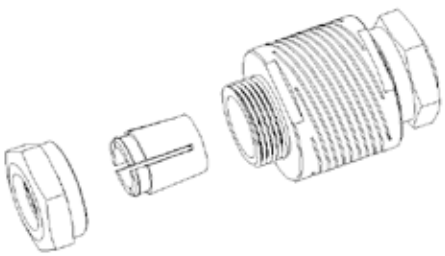


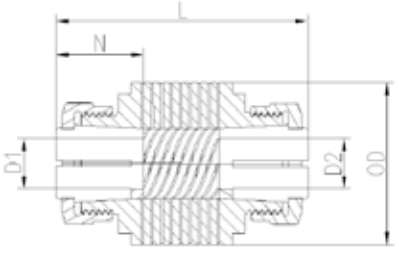
Type	Bore sizes (mm)			Dimensions (mm)			Screw D1min.	Ang. offset (deg.) D2min.	Par.offset (mm) D1, D2 max.	Max. Torque (Nm) OD
	D1min.	D2min.	D1, D2 max.	OD	L	N				
NPC 4	4,4	5,8	10	19,1	26,5	6,5	M2,5	0,6	0.1	3
NPC 5	5.8	7,5	12,7	25,4	38,1	11	M4	1	0.15	5,7
NPC 6	5,8	9,8	16	31,8	57,2	16	M5	1,6	0.2	8



Field of Application: Machine industry.
Advantages: Balance of angular misalignment of shafts, bal-ance of parallel misalignment of shafts, precise, steady transmission of swing, high torsional stiff-ness
Typical applications: Joint of rotating sign givers, servo-drives. It can be easily stocked with final bores

Type	Bore sizes (mm)		Dimensions (mm)			Ang. offset (deg.)	Par.offset (mm)	Max. Torque (Nm)
	D1, D2 min.	D1, D2 max.	OD	L	N			
EASY-4	4	8	19.1	28	8	3	0.08	4
EASY-5	5	10	25.4	40	11	3	0.10	8
EASY-6	6	12	31.8	58	16	3	0.15	14





Field of Application: **Machine industry.**

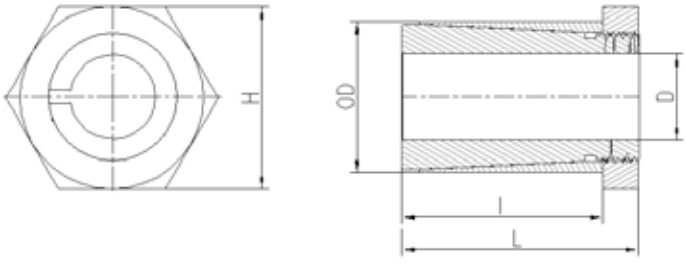
Advantages: **Simple easy maintenance, axial and radial posi-tioning on shaft, no necessity of slot for fixing it**

Typical applications: **Fixing and gears pulleys on the shaft**

Type	Material	D (mm)	OD (mm)	L (mm)	l (mm)	H (mm)	Male thread	Max. Torque
BS-6.35	KO	6.35	10	15	12.5	10	M8x0.5	7
BS-9.52	KO	9.52	14	22	19	16	M12x1	14
BS-15.88	KO	15.88	23	28	23	27	M20x1	26

BS-4	KO	4	8	15	12.5	8	M6x0.5	3
BS-5	KO	5	10	15	12.5	10	M8x0.5	4
BS-6	KO	6	10	15	12.5	10	M8x0.5	7
BS-7	KO	7	12	15	12	12	M10x0.75	8
BS-8	KO	8	14	22	19	16	M12x1	14
BS-9	KO	9	14	22	19	16	M12x1	14
BS-10	KO	10	17	22	18.5	18	M15x1	18
BS-11	KO	11	17	22	18.5	18	M15x1	18
BS-12	KO	12	17	22	18.5	18	M15x1	18
BS-14	KO	14	20	28	23	20	M17x1	24
BS-15	KO	15	20	28	23	20	M17x1	24
BS-16	KO	16	23	28	23	27	M20x1	26
BS-17	KO	17	23	28	23	27	M20x1	26
BS-19	KO	19	25	28	23	27	M22x1	29
BS-20	KO	20	28	28	23	30	M22x1	31

KO= Stainless Steel



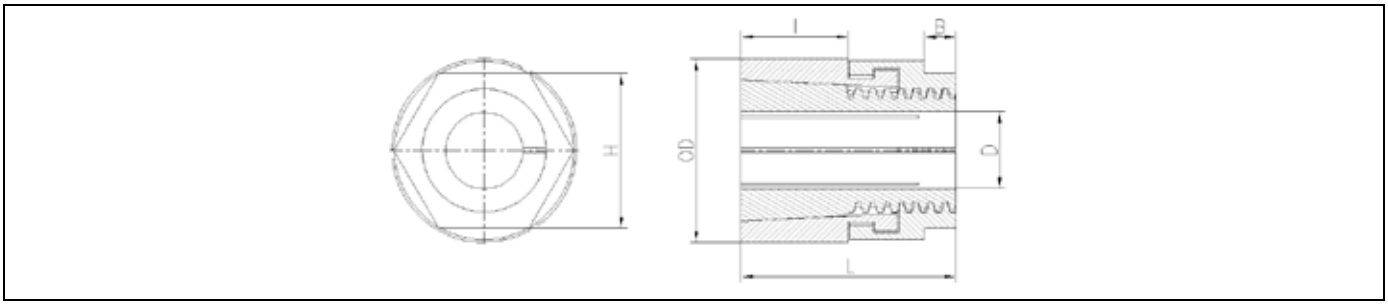
Field of Application: **Machine industry.**

Advantages: **Simple easy maintenance, axial and radial posi-tioning on shaft, no necessitiy of slot for fixing it**

Typical applications: **Fixing and gears pulleys on the shaft**

Type	Material	D (mm)	OD (mm)	L (mm)	I (mm)	H (mm)	B (mm)	Max. Torque
BT-6	ST	6	16	19	9.5	13	3	16
BT-8	ST	8	19	22	11	16	3	23
BT-9	ST	9	19	22	11	16	3	26
BT-10	ST	10	22.5	25.5	12.5	19	5	30
BT-11	ST	11	22.5	25.5	12.5	19	5	34
BT-12	ST	12	22.5	25.5	12.5	19	5	39
BT-14	ST	14	25.5	28.5	16	22	5	42
BT-15	ST	15	25.5	28.5	16	22	5	45
BT-16	ST	16	25.5	28.5	16	22	5	50
BT-20	ST	20	45	47.5	21.5	44.5	11	290
BT-22	ST	22	45	47.5	21.5	44.5	11	315
BT-24	ST	24	45	47.5	21.5	44.5	11	380
BT-25	ST	25	45	47.5	21.5	44.5	11	390

ST= Carbon Steel



NOTES

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