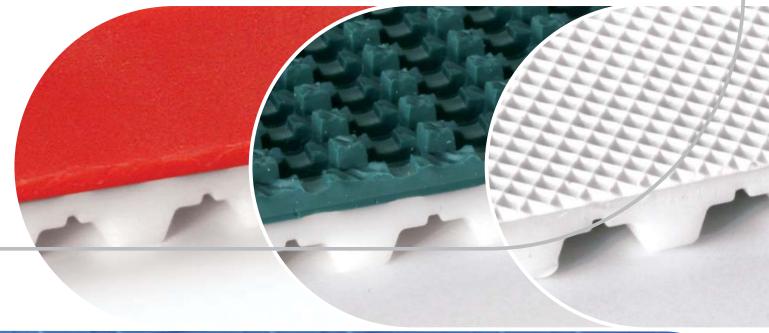


HabaSYNC® Timing Belt Covers

Habasit-Solutions in motion





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SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals.

All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but

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The right solution every time

Habasit offers a broad selection of covers for its HabaSYNC® timing belts. Covers provide the friction needed to handle products so that they are correctly indexed and securely and effectively managed. Our covers are designed to cope with a wide variety of requirements and can thus guarantee reliable conveyance in every type of transport function and manufacturing application.

Some cover materials are applied during timing belt production, affording homogeneous structure benefits. Others are added later using heat lamination or adhesive bonding processes. Our expertise ensures that the materials are combined in every case using the most suitable procedures, thus delivering consistently optimized quality.

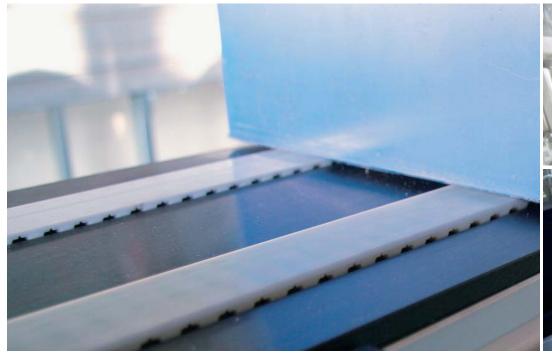
Covered HabaSYNC® timing belts can provide a combination of features that include:

- Abrasion resistance
- Chemical resistance
- Compressibility
- Electrostatic discharge antistatic features
- Excellent release properties
- Gentle movement
- Heat resistance
- High or low coefficient of friction
- Shock absorption

As a result, belts can be used in multiple applications and in the most challenging conditions. The most appropriate and best performing conveying side cover always depends on the application and function. For example, soft for careful product handling in filling lines, or hard with additional wear resistance for abrasive environments. Chemical and thermal features meet the needs of food applications and materials handling processes at elevated temperatures.

Talk to us about your technical requirements. We love a challenge. Our fabrication specialists will be pleased to discuss all the options with you. Since we can put covers on all our HabaSYNC® timing belts, we will be able to satisfy your requirements with at least one of our specially designed high-tech products.

Please note that not all products are available as standard stock items in every country. Check with your local Habasit representative for availability within our worldwide service network, which you can find on: www.habasit.com.







Polyurethane covers

		FAB	FAC-C	FAC-W	FAF	FAS
			4 4			
Material		TPU	TPU	TPU	TPU	TPU
Surface		smooth	cone top	cone top	fish/herringbone	saw tooth
Color		white	cobalt blue	white	white	white
Food approval ¹		yes	yes	yes	yes	yes
Hardness Sh	nore A	85	85	85	85	85
Temperature	°C	-30 – 80	0 – 100	0 – 100	-30 – 80	-30 – 80
ange	°F	-22 – 176	32 – 212	32 – 212	-22 – 176	-22 – 176
Thielenes -	mm	0.8	1.1	1.1	3.0	0.7
Thickness	inch	0.03	0.04	0.04	0.12	0.03
Product features / pecial properties		Abrasion-resistantDimensionally stableOil- and fat-resistant	Abrasion-resistantNon-adhesiveLaterally stableOil- and fat-resistant	Abrasion-resistantNon-adhesiveLaterally stableOil- and fat-resistant	Abrasion-resistantAdhesiveOil- and fat-resistant	Abrasion-resistantAdhesiveOil- and fat-resistant

		PQF-R55	PQF-T60	PQF-C85	PQF-W85	PQF-N92	Р
							,
		F. F.	-				
Material		TPU	PU	PU	PU	PU	Т
Surface		smooth	smooth	smooth	smooth	smooth	S
Color		red	transparent	cobalt blue	white	natural white	С
ood approval ¹		no	no	yes	yes	no	•
Hardness SI	hore A	55	60	85	85	92	8
Temperature	°C	-30 – 60	-30 – 80	-30 – 80	-30 – 80	-30 – 80	-2
ange	°F	-22 – 140	-22 – 176	-22 – 176	-22 – 176	-4 - 176	
r	mm	2.0 / 3.0	2.0 / 3.0	1.3	2.0 / 3.0 / 4.0 / 5.0	2.0 / 4.0	2
Thickness	inch	0.08 / 0.12	0.08 / 0.12	0.05	0.08 / 0.12 / 0.16 / 0.2	0.08 / 0.16	0
Product features / special properties		Abrasion-resistantHigh coefficient of friction surfaceOil- and fat-resistant	Abrasion-resistantChemical- and oil- resistantAdhesive	Abrasion-resistantChemical- and oil- resistantAdhesive	Abrasion-resistantChemical- and oil- resistantWear-resistant	 Abrasion-resistant Chemical- and oil-resistant Non-adhesive Wear-resistant 	•

¹ The food approval statement refers to the respective HabaSYNC[®] cover • Only FDA approved; no EU conformity
For detailed declarations of compliance, please contact Habasit: www.habasit.com

FAS-C	;	FAW	FMB-C	FNB	FNQ-C	HNB
NEXT					777	
- (20)						
77	333			-		
-			-			
TPU		TPU	TPU	TPU	TPU	TPU
saw to	ooth	waffle	silk finish	smooth	quadrangular	smooth
cobalt	blue	white	cobalt blue	white	cobalt blue	green
yes		yes	yes	yes	yes	yes
85		85	85	93	93	90
-30 – 8	30	-30 – 80	-30 – 80	-15 – 80	-30 – 80	-15 – 80
-22 - 1	176	-22 – 176	-22 – 176	-5 - 176	-22 – 176	-5 - 176
0.7		0.6	0.5	0.8	0.7	0.7
0.03		0.02	0.02	0.03	0.03	0.03
• Adhe	sion-resistant esive and fat-resistant	Abrasion-resistantAdhesiveOil- and fat-resistant	Abrasion-resistantOil- and fat-resistant	Abrasion-resistantCut-resistantOil- and fat-resistantNon-adhesive	Cut-resistantEasy cleanabilityOil- and fat-resistantNon-adhesive	Cut-resistantOil- and fat-resistantNon-adhesive

PU-SP	PU D44	PU foil 70	PU foil 85	T/NPW	WAL-C
4	1-1-11			**********	
1 1				000000	
		-			
					~
TPU	TPU	TPU	TPU	TPU	TPU
spike	smooth	smooth	smooth	pimple top	longitudinal groove
cobalt blue	brown	transparent	transparent	white	cobalt blue
•	no	yes	no	yes	yes
86	80	70	85	80	85
-20 – 100	-10 – 60	-30 – 80	-30 – 80	-20 – 60	-30 – 80
-4-212	14 – 140	-22 – 176	-22 – 176	-4 - 140	-22 – 176
2.2	1.0 / 2.0 / 3.0 / 4.0 / 5.0	6.0	2.0	1.2	2.1
0.09	0.04 / 0.08 / 0.12 / 0.16 / 0.2	0.24	0.08	0.05	0.08
Abrasion-resistantOil- and fat-resistant	Abrasion-resistantHigh accelerationOil- and fat-resistant	Oil- and fat-resistant	Abrasion-resistantOil- and fat-resistant	Abrasion-resistantSlip-proof	Abrasion-resistantConstant coefficient of friction

Elastomer covers

Elastomer covers

		Correx	СТ	EAT	НАВ	HAG	H
		-					
Material		Natural rubber	NBR	NBR	NBR	NBR	Е
Surface		smooth	textile structure	textile structure	smooth	grip structure	lo
Color Food approval ¹		beige	gray	black	green	green	g
		no	no	no	no	no	n
Hardness Sh	ore A	40	60	77	75	55	5
Temperature	°C	-15 – 70	0 – 60	0 – 100	0 – 100	0 – 100	-(
range	°F	5 – 158	32 – 140	32 – 212	32 – 212	32 – 212	-2
	mm	4.0 / 6.0 / 8.0 / 10.0	0.85	1.1	0.8	4.7	1
Thickness	inch	0.16 / 0.24 / 0.31 / 0.39	0.03	0.04	0.03	0.18	0
Product features / special properties		Very adhesiveHigh coefficient of friction	Constant coefficient of frictionDimensionally stable	Abrasion-resistant Electrically conductive	Highly adhesiveConstant coefficient of frictionAbrasion-resistantOil-resistant	 Highly adhesive Constant coefficient of friction Abrasion-resistant Oil and chemical- resistant 	•

		Linatrile	RP400	SAR	
Material		Nitrile	Elastomere	EPDM	
Surface		smooth	smooth	rough textile structure	
Color		orange	yellow	anthracite	
Food approval ¹		no	no	no	
Hardness Sh	ore A	55	39	69	
Temperature	°C	-20 – 110	-10 – 80	-30 – 70	
range	°F	-4 - 230	14 – 176	-22 – 158	
Thickness	mm	3.0 / 5.0	2.0 / 3.0	0.7	
mickness	inch	0.12 / 0.2	0.08 / 0.12	0.03	
Product features / special properties		Abrasion-resistantHigh accelerationOil- and fat-resistant	High abrasion resistanceHigh accelerationOil- and fat-resistant	 Abrasion-resistant Constant and gentle positive grip Ozone-resistant Ultra-violet light- resistant 	

	HAL	HAR	HAT	HAT-W	Linaplus	Linatex HM
						THE REAL PROPERTY.
	-			-	-	
	EPDM	NBR	NBR	NBR	Natural rubber	Natural rubber
	longitudinal groove	rough textile structure	textile structure	textile structure	smooth	smooth
	green	green	green	light green	white	red
	no	no	no	no	•	no
	50	70	60	60	38	38
	-30 – 100	-20 – 100	0 – 100	0 – 100	-40 – 70	-40 – 70
	-22 – 212	-4-212	32 – 212	32 – 212	-44 – 158	-44 – 158
	1.2	0.7	1.25	1.0 / 2.0 / 3.0 / 4.0	3.0	2.0 / 3.0 / 5.0 / 6.0 / 8.0
1	0.05	0.03	0.05	0.04 / 0.08 / 0.12 / 0.16	0.12	0.08 / 0.12 / 0.2 / 0.24 / 0.31
	 Highly adhesive Constant coefficient of friction Temperature variations-resistant 	Highly adhesiveConstant coefficient of frictionOil and chemical- resistant	 Highly adhesive Constant coefficient of friction Abrasion-resistant Oil and chemical- resistant 	 Highly adhesive Constant coefficient of friction Abrasion-resistant Oil and chemical- resistant 	Highly adhesiveHigh coefficient of friction surface	 Highly adhesive Constant coefficient of friction. Water-resistant Cut- and wear- resistant

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Polyvinyl chloride covers

		FAB-CV	NAB-DV	NAB-SBV	NAB-WV	NAG-DV
		-	p. p.	-	-	-
Material		PVC	PVC	PVC	PVC	PVC
Surface		matt	smooth	smooth	smooth	grip structure
Color		blue	dark green	black	white	dark green
Food approval ¹		yes	no	no	yes	no
Hardness Sh	hore A	86	45	45	45	45
Temperature	°C	-10 - 80	-10 - 60	0 – 70	-10 – 70	-10 – 70
range	°F	14 – 176	14 – 140	32 – 158	14 – 158	14 – 158
This lease =	mm	0.4	1.2	0.9	0.6 – 1.0	3.8
Thickness	inch	0.16	0.05	0.04	0.02 - 0.04	0.15
Product features / cial properties	/ spe-	Abrasion-resistantMedium adhesiveOil- and fat-resistant	Abrasion-resistantMetal detection units suitable	AdhesiveFlame retardant	AdhesiveLongitudinally flexible	AdhesiveSuper grip

Polyester covers

rolyestel cove	713						
		Felt-Top	G-NB	GNB-W	MAN	MNN	Ν
		April 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
					The state of the s		20
Material		PET	PET	PET	PET	PET/PP	Р
Surface		non-woven (fleece)	non-woven (fleece)	impregnated fleece	non-woven (fleece)	non-woven (fleece)	ir
Color		white	black	white	anthracite	beige	b
Food approval ¹		yes	no	•	no	no	n
Hardness Sh	ore A	40	80	65	50	40	9
Temperature	°C	-20 – 70	-10 – 80	-10 – 80	-30 – 60	-20 - 60	0
range	°F	-4 – 158	-14 - 176	14 – 176	-22 – 140	-4 - 140	3
Thiskness	mm	2.0	0.8 / 2.0	0.75	0.8	0.9	1
Thickness	inch	0.08	0.03 / 0.08	0.03	0.03	0.04	0
Product features / special properties		Good releaseNon-adhesive	AntistaticCut-resistantNon-adhesiveWear-resistant edges	Cut-resistantNon-adhesiveWear-resistant edgesNon-marking	Abrasion-resistantDimensionally stable	Abrasion-resistantDimensionally stableNon-marking	•

NAJ-SBV	NAQ-BV	NAS-DV	PVC foil	SAQ	WAG-G
	-	-	-	-	
PVC	PVC	PVC	PVC	PVC	PVC
sine wave structure	quadrangular	saw tooth	smooth	quadrangular	basket weave
black	black	dark green	transparent	anthracite	dark green
no	no	no	no	no	no
45	45	45	70	72	50
0 – 70	-10 – 70	-10 – 70	0 – 60	-10 - 60	-10 - 60
32 – 158	14 – 158	14 – 158	32 – 140	14 – 140	14 – 140
3.0	1.1	5.0	2.0	0.8	1.6
0.12	0.04	0.2	0.08	0.03	0.06
Flame retardantSuper grip/adhesive surface	Constant and gentle positive grip	Adhesive,Easy release property	AdhesiveResistant against acids and bases	Constant coefficient of frictionGentle positive grip	Highly adhesive



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Foam covers

		Cellular rub	Foam rubber rough	Foam rubber smooth	PU foam	Sylomer blue	s
						-	
					-		1000
Material		Polychloroprene	Natural rubber	Natural rubber	PU	PU	Р
Surface		closed cell	open cell	open cell	smooth	smooth	S
Color Food approval ¹		black	orange	orange	beige	blue	b
		no	no	no	no	no	n
Density ² k	g/m³	250	200	200	350	220	4
Temperature	°C	-20 - 60	-20 – 65	-20 – 65	-30 – 80	-30 – 70	-3
range	°F	5 – 176	-4 - 149	-4 - 149	-22 – 176	-22 – 158	-2
	mm	4/5/6/8/10	10 / 15 / 20	10 / 15 / 20	1.0 – 25.0	5 / 10 / 12	5
Thickness	inch	0.16 / 0.2 / 0.24 / 0.3 / 0.39	0.39 / 0.59 / 0.79	0.39 / 0.59 / 0.79	0.04 – 0.98	0.2 / 0.39 / 0.47	0
Product features / special properties		Abrasion-resistantAntistaticChemically resistant	AdhesiveOil- and fat-resistantSoft and resilient	AdhesiveOil- and fat-resistantSoft and resilient	Chemically resistantHydrolysis-resistantOil- and fat-resistant	Abrasion-resistantChemically resistantOil- and fat-resistantVery flexible and compressible	•

Special covers

		Artificial leather	Split chrome leather	FNT	Heatmate ³	PA fabric heavy
Material		PET/TPU	Leather	PET/CO	Aramide	PA
Surface		smooth	leather structure	textile structure	non-woven	textile structure
Color		gray	light gray	white	yellow	green
Food approval ¹		no	no	yes	no	no
Hardness Sh	nore A	50	NA	NA	NA	NA
Temperature	°C	0 – 60	0 - 60	-30 – 80	-20 – 426	-30 – 80
range	°F	32 – 140	32 – 140	-22 – 176	-4 - 799	-22 – 176
TI '-1 20	mm	1.0 – 2.0	2.0 – 3.0	1.0	5.0	0.75
Thickness	inch	0.04 - 0.08	0.08 – 0.12	0.04	0.2	0.03
Product features / special properties		Oil-resistantNon-adhesive	Abrasion-resistantConstant grip and release propertyOil- and fat-resistant	Easy release propertyNon-adhesive	Excellent heat and flame-resistantNon-adhesive	High abrasion resistanceNon-adhesive

Sylomer brown	Sylomer green	Sylomer yellow
400000000000000000000000000000000000000		
	A STATE OF THE PARTY OF THE PAR	A STATE OF THE PARTY OF THE PAR
	-	
PU	PU	PU
smooth	smooth	smooth
brown	green	yellow
no	no	no
400	300	160
-30 – 70	-30 – 70	-30 – 70
-22 – 158	-22 – 158	-22 – 158
5/8/10/12/15	2/3/5/8/10/12/ 15/20	5 / 10
0.2 / 0.31 / 0.39 / 0.47/ 0.59	0.08 / 0.12 / 0.1 / 0.31 / 0.39 / 0.47 / 0.59 / 0.79	0.2 / 0.39
Chemically resistantOil- and fat-resistantVery flexible and compressible	Chemically resistantOil- and fat-resistantVery flexible and compressible	Chemically resistantOil- and fat-resistantVery soft and compressible

	PU yellow
Material	PU
Surface	closed cell
Color	yellow
FDA	no
Hardness Shore A	50
Temperature °C	-10 - 60
range °F	14 – 140
mm	2/3/4/5/6/8
Thickness inch	0.08 / 0.12 / 0.16 / 0.2 / 0.24
Product features / special properties	Abrasion-resistantOil-resistantResistant against chemicalls and disolvents

PTFE foil	Silicone blue		
-			
PTFE	Silicone		
glossy	smooth		
gray	blue		
no	•		
NA	50		
-30 – 80	-30 – 80		
-22 – 176	-22 – 176		
0.25	1.0		
0.03	0.04		
Low coefficient of frictionIdeal in accumulation	Abrasion-resistantHigh adhesive/easy-release property		

¹ The food approval statement refers to the respective HabaSYNC® cover • Only FDA approved; no EU conformity For detailed declarations of compliance, please contact Habasit: www.habasit.com ² Excact density is based on application requirements ³ Cover temperature far exceeds base belt temperature

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Rossi is one of Europe's largest manufacturers of gear reducers, gearmotors, inverters, standard and brakemotors, and is a member of the Habasit Group.

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