

CHIORINO[®]
1906

Passion for belting

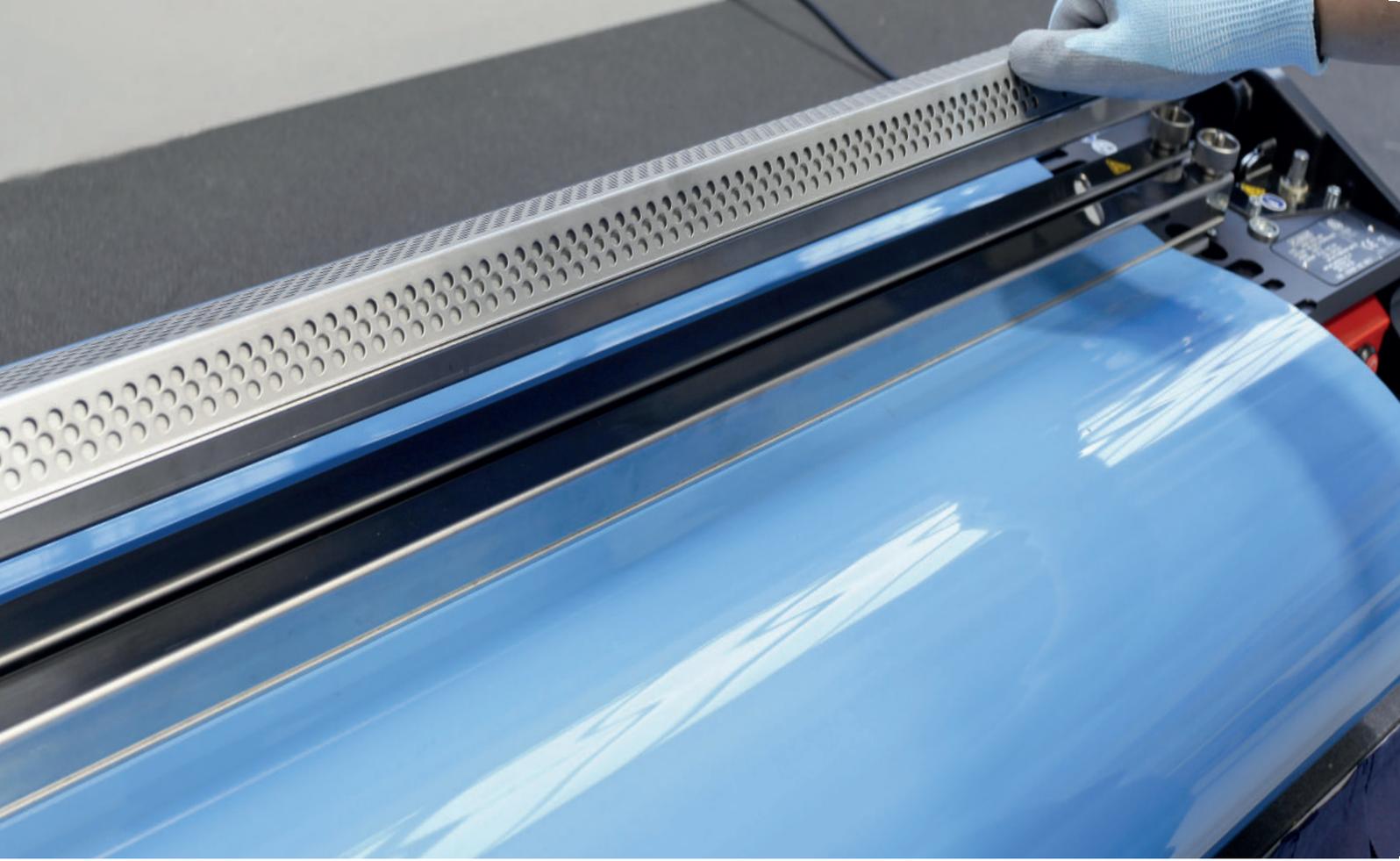
Your partner
for food
safety

PRODRIVE[®]

Easy to clean. Easy to fit. Easy to run.



Monolithic
positive drive
belts



Monolithic thermoplastic Positive drive conveyor & process belts

PRODRIVE® monolithic thermoplastic TPU positive drive belts are designed for food processing where highest hygiene levels & quick installation are required.

PRODRIVE® is suitable for all drive systems: **full lug, central lug and friction**. They can be supplied with **sidewalls, guides and profiles** and **punched holes** where dewatering is required.

Installation and retrofit of **PRODRIVE**® monolithic thermoplastic belts are quick and easy thanks to the **full compatibility with any sprockets** and to the **on-site joining equipment** designed to offer maintenance reduction.



Food safety



Reliability



Optimized TCO



Sustainability

PRODRIVE®

Easy to clean. Easy to fit. Easy to run.

Easy to CLEAN



PRODRIVE® monolithic thermoplastic polyurethane belts are very easy to clean, reducing water and energy consumption and ensuring the highest food safety standards.

Food safety & hygiene



Water, time, energy saving



Easy to FIT



PRODRIVE® belts can be installed on site with joining equipment designed to allow quick & easy maintenance operations.

Quick & easy to splice



Downtime reduction



Easy to RUN



PRODRIVE® monolithic thermoplastic belts are versatile and easy to retrofit on any drive system. They ensure smooth tracking and reliable functioning.

Full compatibility with any sprocket



Total reliability



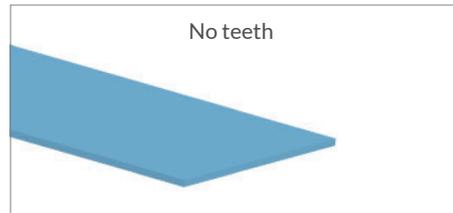
Certified Food Compliance

- ✓ Regulation EC 1935/2004 and amendments
- ✓ Regulation EC 2023/2006 and amendments
- ✓ Regulation EU 10/2011 and amendments
- ✓ FDA (Food and Drug Administration)

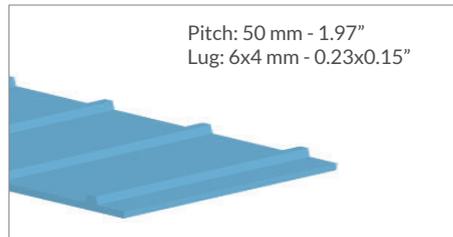
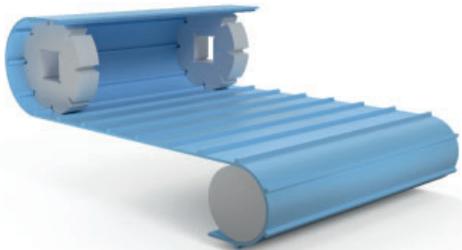
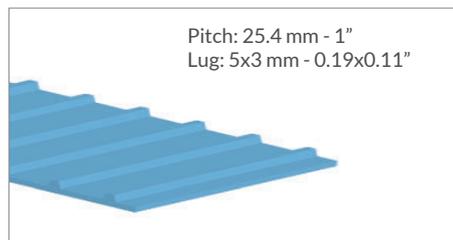


Drive systems

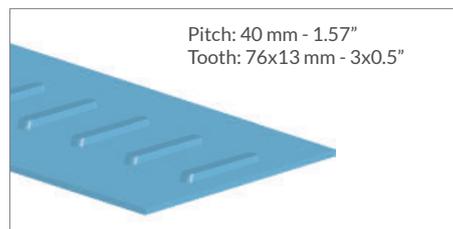
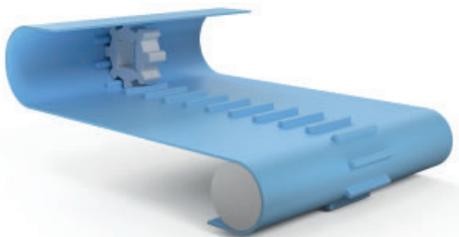
Friction



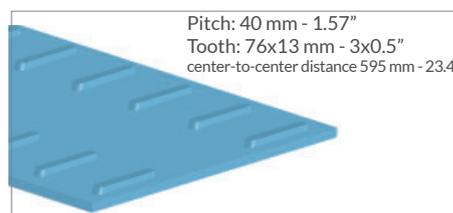
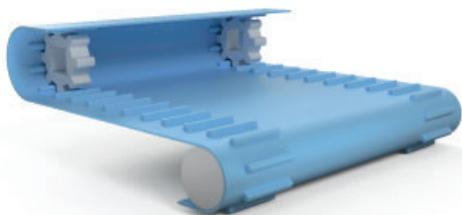
Full lug



Central lug



Dual lug



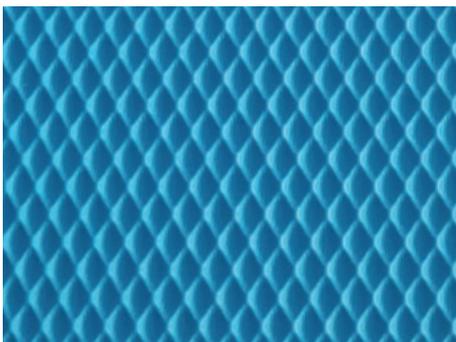
Technical data

Product name	Driving system	Material	Hardness	Conveying surface	Colour	Total thickness	Pitch		Min. diameter	Temperature resistance		Max. width	Product code
							mm	inch		min °C	max °C		
ProDrive S 17 GS LB	Friction	TPU polyester	90	Smooth glossy	Light blue	1.7	-	-	30	-5	80	1200	NA2648
ProDrive S 30 LB	Friction	TPU polyester	90	Smooth matt	Light blue	3.0	-	-	40	-5	80	1200	NA1823
ProDrive S 30 GB LB	Friction	TPU polyester	90	Golf Ball	Light blue	3.0	-	-	40	-5	80	1200	NA2603
ProDrive S 40 GS	Friction	TPU polyester	90	Smooth glossy	Light blue	4.0	-	-	40	-5	80	1200	NA2635
ProDrive F-S 28/25 GS LB	Full Lug	TPU polyester	90	Smooth glossy	Light blue	2.8	25.4	1"	65	-5	80	1200	NA1776
ProDrive F-S 28/25 LB	Full Lug	TPU polyester	90	Smooth matt	Light blue	2.8	25.4	1"	65	-5	80	1200	NA2631
ProDrive F-S 30/50 GS LB	Full Lug	TPU polyester	90	Smooth glossy	Light blue	3.0	50	1.97"	130	-5	80	1200	NA1810
ProDrive F-S 30/50 LB	Full Lug	TPU polyester	90	Smooth matt	Light blue	3.0	50	1.97"	130	-5	80	1200	NA1774
ProDrive F-S 30/50 GB LB	Full Lug	TPU polyester	90	Golf Ball	Light blue	3.0	50	1.97"	130	-5	80	1200	NA1773
ProDrive C-S 30/40 GS LB	Central Lug	TPU polyester	90	Smooth glossy	Light blue	3.0	40	1.57"	100	-5	80	900	NA1822
ProDrive C-S 30/40 LB	Central Lug	TPU polyester	90	Smooth matt	Light blue	3.0	40	1.57"	100	-5	80	900	NA2595
ProDrive C-S 30/40 GS W	Central Lug	TPU polyester	90	Smooth glossy	White	3.0	40	1.57"	100	-5	80	900	NA1824
ProDrive C-S 30/40 W	Central Lug	TPU polyester	90	Smooth matt	White	3.0	40	1.57"	100	-5	80	900	NA2748
ProDrive D-S 30/40 W	Dual lug	TPU polyester	90	Smooth matt	White	3.0	40	1.57"	100	-5	80	1200	NA2773
ProDrive D-S 30/40 LB	Dual lug	TPU polyester	90	Smooth matt	Light blue	3.0	40	1.57"	100	-5	80	1200	NA2774
ProDrive D-S 30/40 GS LB	Dual lug	TPU polyester	90	Smooth glossy	Light blue	3.0	40	1.57"	100	-5	80	1200	NA2786
ProDrive D-S 30/40 GS W	Dual lug	TPU polyester	90	Smooth glossy	White	3.0	40	1.57"	100	-5	80	1200	NA2787

ProDrive	F	-	S	30	/	50	GS	LB
Chiorino monolithic belt ⁽¹⁾	F = Full lug C = Central lug D = Dual lug		S = TPU polyester	thickness mm/10		Pitch mm	Surface texture GS = Glossy GB = Golf ball	Colour LB = Light blue W = White

⁽¹⁾ All the products listed above are non reinforced. For reinforced versions please contact Chiorino Sales Department.

Golf Ball texture



Punched holes



Joining systems

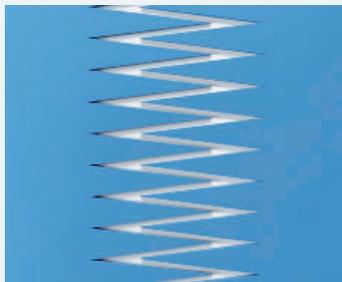
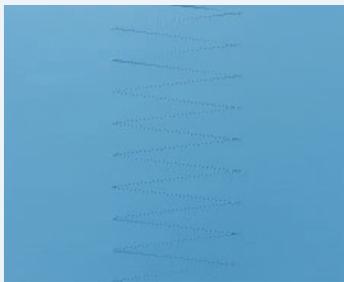
PRODRIVE® can be spliced in several different ways, depending on conveyor design.



BUTT-JOINT SPLICING

This joint is made with the Chiorino PD1200 press, which can be used directly on-site, either for joining a new belt or during repair operations. With a single tool, it is possible to cut precisely both ends of the belt and to perform hot welding.

This operation can be performed on any type of PRODRIVE®: flat, full lug, or central lug.



FINGER-JOINT SPLICE WITH HOT PRESS

Exclusively for flat PRODRIVE®, when guides or longitudinal profiles are present, a finger splice can be performed to maximize joint strength and ensure exceptional reliability.

Fingers 80x20 mm are the best compromise in length and width.

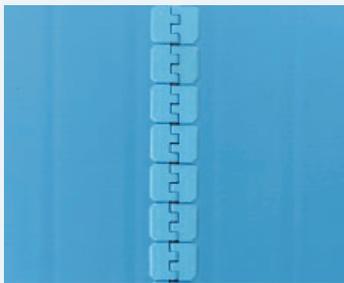


MECHANICAL FASTENER PROLACE

PROLACE is the neatest option to go for because it is embedded directly in the belt itself. It is suitable for lightweight to medium load applications.

The fastener is welded with the same butt-joint system. The minimum diameter of the pulley is 160 mm, and it is compatible with scrapers. The self-locking pin design allows removal without damaging the belt or the pin.

This operation can be performed on any type of PRODRIVE®: flat, full lug (only on 50 mm pitch) or central lug (leaving out one tooth).



MECHANICAL FASTENER APF100

This mechanical fastener is an "applied over" option with no welding required. It is advised for lightweight to medium load applications and meets cleaning necessities and frequent removal of the belt.

The minimum diameter of the pulley is 160 mm, and it is not suitable for scrapers.

This operation can be performed on any type of PRODRIVE®: flat, full lug (only on 50 mm pitch) or central lug (leaving out one tooth).



MECHANICAL FASTENER SLO2

This mechanical fastener is another "applied over" option with no welding required. It is made of stainless steel and suitable for medium to high-load applications. The minimum diameter of the pulley is 160 mm, and it is not suitable for scrapers.

This operation can be performed on any type of PRODRIVE®: flat, full lug (only on 50 mm pitch) or central lug (leaving out one tooth).

Quick & Easy on-site installation equipment

PRODRIVE® monolithic thermoplastic belts can be fitted on site with quick & easy thermoplastic joining equipment designed to reduce cost and maintenance.

Press PD1000

code AT594



Maximum belt width

1000mm



Press PD1200L

code AT595



Maximum belt width

1200mm



Guides, Profiles, Sidewalls

	Product name	Dimensions b x h mm	Material	Hardness	Colour	Min. transversal pitch mm	Min. transversal diameter ⁽¹⁾ mm	Product code
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Guides

	K10 U P LB ProDrive	10 x 6	TPU polyester	70 Sh.A	Light blue	40	---	ES1070
	K13 U P LB ProDrive	13 x 8	TPU polyester	70 Sh.A	Light blue	45	---	ES1071
	S8 U P LB ProDrive	8 x 8	TPU polyester	70 Sh.A	Light blue	40	50	ES1095
	S12 U P LB ProDrive	12 x 12	TPU polyester	70 Sh.A	Light blue	45	80	ES1096

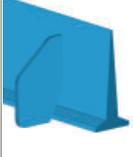
Transversal profiles

	L20 U LB ProDrive	10 x 20	TPU polyester	85 Sh.A	Light blue	45	60	ES1066
	L40 U LB ProDrive	10 x 40	TPU polyester	85 Sh.A	Light blue	45	60	ES1067
	L60 U LB ProDrive	10 x 60	TPU polyester	85 Sh.A	Light blue	45	60	ES1068
	L80 U LB ProDrive	10 x 80	TPU polyester	85 Sh.A	Light blue	45	60	ES1069
	SC60/40 U LB 55MD ProDrive	10 x 60	TPU polyester	55 Sh.D	Light blue	40	50	ES1078
	SC80/20 U LB 55MD ProDrive	10 x 80	TPU polyester	55 Sh.D	Light blue	40	50	ES1079
	SC80/40 U LB 55MD ProDrive	10 x 80	TPU polyester	55 Sh.D	Light blue	40	50	ES1080
	SC100/20 U LB 55MD ProDrive	10 x 100	TPU polyester	55 Sh.D	Light blue	40	50	ES1081
	SC100/50 U LB 55MD ProDrive	10 x 100	TPU polyester	55 Sh.D	Light blue	40	50	ES1083
	SC120/30 U LB 55MD ProDrive	10 x 120	TPU polyester	55 Sh.D	Light blue	40	50	ES1084

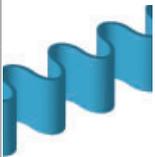
⁽¹⁾ Minimum pulley diameters referred to environment conditions of 20°C.

	Product name	Dimensions b x h mm	Material	Hardness	Colour	Min. transversal pitch mm	Min. transversal diameter ⁽¹⁾ mm	Product code
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Transversal profiles

	T20 U LB ProDrive	10 x 20	TPU polyester	85 Sh.A	Light blue	45	60	ES1062
	T40 U LB ProDrive	10 x 40	TPU polyester	85 Sh.A	Light blue	45	60	ES1063
	T60 U LB ProDrive	10 x 60	TPU polyester	85 Sh.A	Light blue	45	60	ES1064
	T80 U LB ProDrive	10 x 80	TPU polyester	85 Sh.A	Light blue	45	60	ES1065
	T80 U LB 55MD ProDrive	10 x 80	TPU polyester	55 Sh.D	Light blue	40	50	ES1076
	T100 U LB 55MD ProDrive	10 x 100	TPU polyester	55 Sh.D	Light blue	40	50	ES1074
	T120 U LB 55MD ProDrive	10 x 120	TPU polyester	55 Sh.D	Light blue	40	50	ES1075
	T150 U LB 55MD ProDrive	10 x 150	TPU polyester	55 Sh.D	Light blue	40	50	ES1082
	TS80 U LB 55MD ProDrive	10 x 80	TPU polyester	55 Sh.D	Light blue	40	50	ES1087
	TS100 U LB 55MD ProDrive	10 x 100	TPU polyester	55 Sh.D	Light blue	40	50	ES1089
	TS120 U LB 55MD ProDrive	10 x 120	TPU polyester	55 Sh.D	Light blue	40	50	ES1091

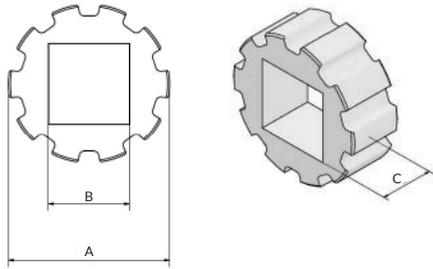
Sidewalls

	Product name	Dimensions			Material	Hardness Sh.A	Colour	Minimum diameter ⁽¹⁾ mm	Product code
		Pitch	Width	Height					
	C-U 20/40 LB ProDrive	50	42	40	TPU polyester	85	Light blue	100	ES1059
	C-U 20/60 LB ProDrive	50	42	60	TPU polyester	85	Light blue	150	ES1060
	C-U 20/80 LB ProDrive	50	42	80	TPU polyester	85	Light blue	190	ES1061

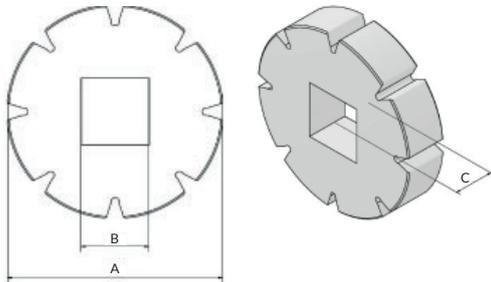
⁽¹⁾ Minimum pulley diameters referred to environment conditions of 20°C.

Pulleys

Drive pulleys - Full lug

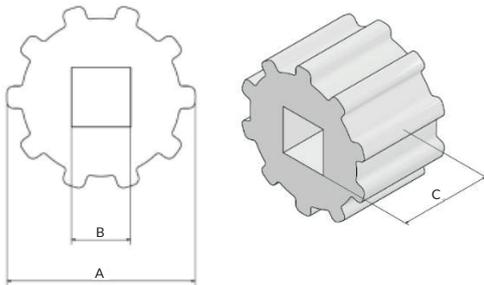


Pitch mm	Teeth	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
25.4	8	64	25x25	30	AT597
	10	79	40x40	30	AT598
	12	95	40x40	30	AT599
	14	111	40x40	30	AT600

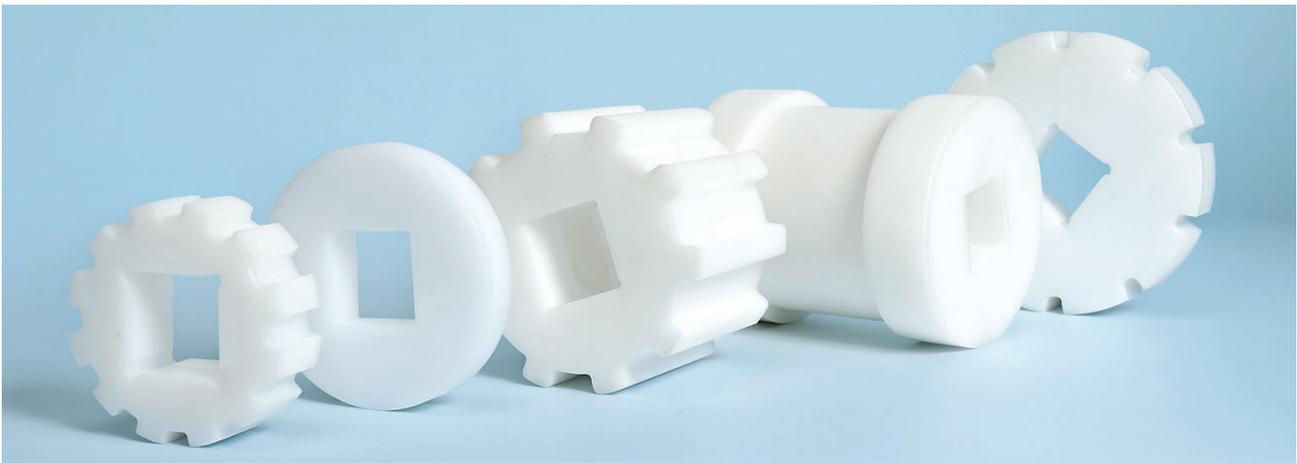


Pitch mm	Teeth	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
50	8	130	40x40	30	AT601
	10	158	40x40	30	AT602
	12	194	40x40	30	AT603

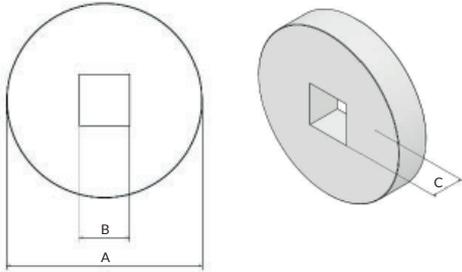
Drive pulleys - Central lug



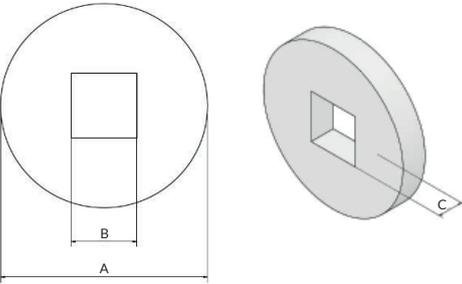
Pitch mm	Teeth	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
40	10	127	40x40	90	AT604



Support pulleys

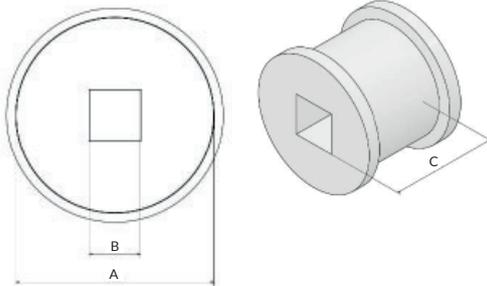


Drive system	Pitch mm	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
Full lug	25.4	57.5	25x25	30	AT616
		73.4	40x40	30	AT617
		89.3	40x40	30	AT618
		105.2	40x40	30	AT619
	50	121	40x40	30	AT610
		153	40x40	30	AT611
		185	40x40	30	AT612



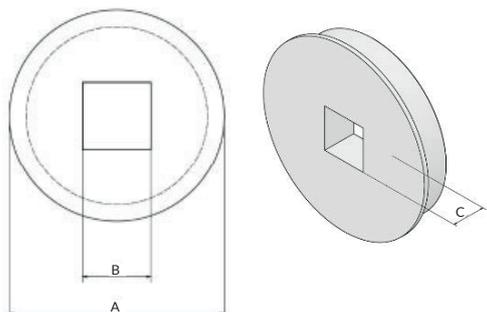
Drive system	Pitch mm	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
Central lug	40	125	40x40	20	AT624

Idle pulley



Drive system	Pitch mm	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
Central lug	40	126	40x40	150	AT605

Flanged support pulleys



Drive system	Pitch mm	Ext. diam. A mm	Int. diam. B mm	Width C mm	Item code
Full lug	25.4	57.5	25x25	30	AT620
		73.4	40x40	30	AT621
		89.3	40x40	30	AT622
		105.2	40x40	30	AT623
	50	121	40x40	30	AT613
		153	40x40	30	AT614
		185	40x40	30	AT615

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