

Lateral profiles, longitudinal guides and sidewalls



CHIORINO manufactures **profiles, guides and sidewalls** from special PVC and polyurethane compounds in various Sh.A hardnesses giving high flexibility and resistance to abrasion and oils.

They have been designed to be perfectly compatible with the conveyor belt covers and are fitted by means of different vulcanising systems which guarantee a perfect and long lasting bond using equipment normally available in all the fabrication workshops of CHIORINO.

- ▶ **Standard colours:** see tables. Special colours can be supplied on request.
- ▶ **Minimum pulley diameters:** the values of the minimum pulley diameters are meant as a guide only and they are based on a 2 mm thick belt, working at room temperature. The minimum pulley values which refer to K, KN and S profiles are valid only when fitted on the driving surface of the belt.
- ▶ In case of **back-flexing** (for K and S guides) diameters have to be increased by 50%.
- ▶ It is not advisable to fit KN guides longitudinally on the conveying surface. For the fitting of K, KN e S profiles please contact the CHIORINO Technical Support.

Profile	Type	Sizes	Thickness	Minimum diameter (1)	Hardness	Standard colours		Notes
		exh				green	white	
		[mm]	[mm]	[mm]	[Sh.A]			

POLYURETHANE SIDEWALLS

	C-U 10/20	10 x 20	1.7	50	85	✓	✓	Polyurethane sidewalls, without base, fitted longitudinally. They allow the use of small pulley diameters.	The drawings below show width and pitch of the sidewalls.
	C-U 10/30	10 x 30	1.7	70	85	✓	✓		
	C-U 10/40	10 x 40	1.7	100	85	✓	✓		
	C-U 10/50	10 x 50	1.7	120	85	✓	✓		
	C-U 20/60	20 x 60	1.7	150	85	✓	✓		
	C-U 20/80	20 x 80	1.7	190	85	✓	✓		

PVC SIDEWALLS WITH TEXTILE CORE

	CV-T 10/20	10 x 20	1.7	60	60	✓	✓	Sidewalls with textile core, purposely designed to be applied on PVC belts on any thickness and number of plies for use in special applications (e.g. in food-processing, agriculture or for general conveying of loose bulk products).	
	CV-T 10/30	10 x 30	1.7	80	60	✓	✓		
	CV-T 10/40	10 x 40	1.7	110	60	✓	✓		
	CV-T 10/50	10 x 50	1.7	140	60	✓	✓		
	CV-T 20/60	20 x 60	3.4	170	60	✓	✓		
	CV-T 20/80	20 x 80	3.4	210	60	✓	✓		

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

Profile	Type		Dim. b x h [mm]	Hardness [Sh.A]		Base		Standard colours			Minimum pitch [mm]		Long. min. diam. [mm] (1)		Transv. min. diam. [mm] (1)		Notes	
	PVC	PU		PVC	PUR	flat	grooved	green	blue	grey	long.	transv.	PVC	PU	PVC	PU		
	K6	K6 U	6 x 3	60	70	✓		✓	✓			40	40	30	35	30	30	Profiles mainly fitted on conveyor belts as guides.
	K6 TR	-	6 x 3	60	-	✓				✓		40	40	25	-	30	-	
	K8	K8 U	8 x 5	60	70	✓	✓	✓	✓			40	40	40	50	40	50	
	K8 TR	-	8 x 5	60	-	✓	✓			✓		40	40	30	-	40	-	
	K10	K10 U	10 x 6	60	70	✓	✓	✓	✓	✓		40	40	60	65	50	50	
	K10 TR	-	10 x 6	60	-	✓	✓			✓		40	40	50	-	50	-	
	K13	K13 U	13 x 8	60	70	✓	✓	✓	✓			45	45	80	85	80	80	
	K13 TR	-	13 x 8	60	-	✓	✓			✓		45	45	70	-	80	-	
	K17	K17 U	17 x 11	60	70	✓	✓	✓	✓			45	45	120	125	100	120	
K17 TR	-	17 x 11	60	-	✓	✓			✓		45	45	120	-	100	-		
K30	-	30 x 15	60	-	✓		✓	✓			60	60	220	-	150	-		
	KN8	KN8 U	8 x 5	60	70	✓	✓	✓	✓			40	40	35	40	-	-	Knotched profiles can be used on smaller roller diameters.
	KN8 GR	-	8 x 5	60	-	✓			✓			40	40	35	-	-	-	
	KN10	KN10 U	10 x 6	60	70	✓	✓	✓	✓			40	40	40	50	-	-	
	KN10 GR, blue	-	10 x 6	60	-	✓			✓	✓		40	40	40	-	-	-	
	KN13	KN13 U	13 x 8	60	70	✓	✓	✓	✓			45	45	50	60	-	-	
	KN13 GR	-	13 x 8	60	-	✓			✓			45	45	50	-	-	-	
	KN17	KN17 U	17 x 11	60	70	✓	✓	✓	✓			45	45	100	120	-	-	
KN30	-	30 x 15	60	-	✓		✓	✓			60	60	180	-	-	-		
	S8	S8 U	8 x 8	60	70	✓	✓	✓	✓			40	40	80	70	50	50	Profiles fitted transversally or longitudinally.
	S12	S12 U	12 x 12	60	70	✓	✓	✓	✓			45	45	120	100	80	80	
	S15	-	15 x 20	60	-		✓	✓	✓			60	60	220	-	100	-	
	S20	-	20 x 15	60	-		✓	✓	✓			60	60	220	-	130	-	
	S25	-	20 x 25	60	-		✓	✓	✓			60	60	300	-	150	-	
	-	L20 U HP	10 x 20	-	70	✓		✓	✓			-	40	-	-	-	40	PU HP, hardness 70 Sh.A, inclined lateral profiles with highly flexible.
	-	L30 U HP	10 x 30	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	L40 U HP	10 x 40	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	L50 U HP	10 x 50	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	L80 U HP	10 x 80	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	T20 U HP	10 x 20	-	70	✓		✓	✓			-	40	-	-	-	40	PU HP, hardness 70 Sh.A, lateral profiles, with highly flexible.
	-	T30 U HP	10 x 30	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	T40 U HP	10 x 40	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	T50 U HP	10 x 50	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	T60 U HP	10 x 60	-	70	✓		✓	✓			-	40	-	-	-	40	
	-	L20 U	20 x 20	-	85	✓		✓	✓			-	45	-	-	-	60	Polyurethane inclined lateral profiles.
	-	L30 U	20 x 30	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	L40 U	20 x 40	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	L50 U	20 x 50	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	L80 U	20 x 80	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	T20 U	20 x 20	-	85	✓		✓	✓			-	45	-	-	-	60	Polyurethane, lateral profiles, straight.
	-	T30 U	20 x 30	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	T40 U	20 x 40	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	T50 U	20 x 50	-	85	✓		✓	✓			-	45	-	-	-	60	
	-	T60 U	20 x 60	-	85	✓		✓	✓			-	45	-	-	-	60	
	L20	-	23 x 20	60	-		✓	✓	✓			-	55	-	-	80	-	PVC inclined lateral profiles.
	L30	-	23 x 30	60	-		✓	✓	✓			-	55	-	-	80	-	
	L40	-	23 x 40	60	-		✓	✓	✓			-	55	-	-	80	-	
	L50	-	27 x 50	60	-		✓	✓	✓			-	55	-	-	100	-	
	L60	-	27 x 60	60	-		✓	✓	✓			-	55	-	-	100	-	
	L70	-	27 x 70	60	-		✓	✓	✓			-	55	-	-	100	-	
	L80	-	27 x 80	60	-		✓	✓	✓			-	55	-	-	100	-	
	T20	-	23 x 20	60	-		✓	✓	✓			-	55	-	-	80	-	PVC lateral profiles, straight.
	T30	-	23 x 30	60	-		✓	✓	✓			-	55	-	-	80	-	
	T40	-	23 x 40	60	-		✓	✓	✓			-	55	-	-	80	-	
	T50	-	27 x 50	60	-		✓	✓	✓			-	55	-	-	100	-	
	T60	-	27 x 60	60	-		✓	✓	✓			-	55	-	-	100	-	
	T70	-	27 x 70	60	-		✓	✓	✓			-	55	-	-	100	-	
	T80	-	27 x 80	60	-		✓	✓	✓			-	55	-	-	100	-	
	L20 RF	-	20 x 20	60	-	✓		✓	✓			-	50	-	-	80	-	PVC inclined lateral profiles, flat base without groove.
	L30 RF	-	20 x 30	60	-	✓		✓	✓			-	50	-	-	80	-	
	L40 RF	-	20 x 40	60	-	✓		✓	✓			-	50	-	-	80	-	
	L50 RF	-	20 x 50	60	-	✓		✓	✓			-	50	-	-	80	-	
	L70 RF	-	20 x 70	60	-	✓		✓	✓			-	50	-	-	80	-	
	T20 RF	-	20 x 20	60	-	✓		✓	✓			-	50	-	-	80	-	PVC lateral profiles, straight flat base without groove
	T30 RF	-	20 x 30	60	-	✓		✓	✓			-	50	-	-	80	-	
	T40 RF	-	20 x 40	60	-	✓		✓	✓			-	50	-	-	80	-	
	T50 RF	-	20 x 50	60	-	✓		✓	✓			-	50	-	-	80	-	
	T60 RF	-	20 x 60	60	-	✓		✓	✓			-	50	-	-	80	-	
T80 RF	-	20 x 80	60	-	✓		✓	✓			-	50	-	-	80	-		

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