

## Features and benefits

▶ Flame retardant according to EN20340-ISO 340

▶ Suitable for X-ray control systems

▶ Suitable for explosives detectors

▶ Low energy absorption

▶ Quiet running

▶ Antistatic

▶ Wide range of surface patterns to satisfy any conveying requirement

▶ Very high resistance to abrasion and impacts

▶ Long life

▶ Worldwide 24-hours prompt response for installations



**America**  
 Dallas Texas, U.S.A.  
 Fargo North Dakota, U.S.A.  
 Gaia, Barbados  
 Idaho Boise, U.S.A.  
 Lima, Peru  
 Los Angeles California, U.S.A.  
 Nassau, Bahamas  
 New York, U.S.A.  
 Portland Oregon, U.S.A.  
 San Francisco California, U.S.A.  
 Toronto, Canada

Tucson Arizona, U.S.A.  
 Vancouver, Canada  
 Richmond Virginia, U.S.A.

**Asia / Africa / Australia**  
 Adelaide, Australia  
 Ashgabat, Turkmenistan  
 Brisbane, Australia  
 Cairns, Australia  
 Canberra, Australia  
 CapeTown, South Africa

Darwin, Australia  
 Dubai, United Arab Emirates  
 Durban, South Africa  
 Johannesburg, South Africa  
 Marowa Salak, Camerun  
 Melbourne, Australia  
 Newcastle, Australia  
 Perth, Australia  
 Shenzhen, China  
 Singapore Changi  
 Sydney, Australia

## Materials handling

- ▶ Horizontal and inclined conveying
- ▶ Cross belt sorters
- ▶ 30-45° Mergers
- ▶ Telescopic belts
- ▶ Separators



## Features and benefits

- ▶ Low energy absorption
- ▶ High capacity of conveying
- ▶ Very high resistance to abrasion and impacts
- ▶ Wide range of surface patterns
- ▶ Safety and reliability
- ▶ Quiet running
- ▶ Long life



### ▶ Live roller drives

*Fast Joint*

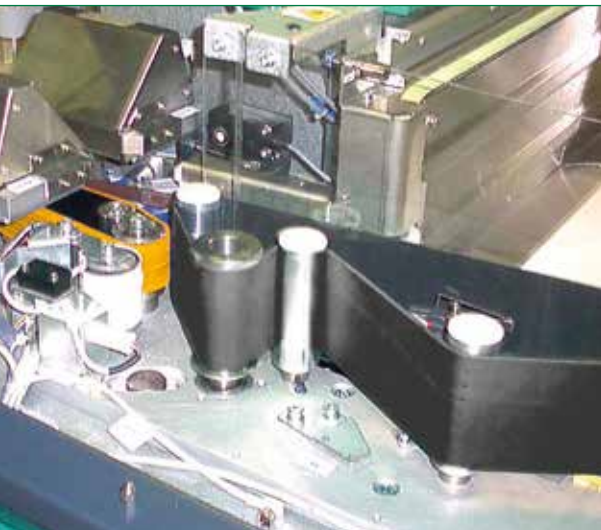
Elastic EL belts  
 Thermoplastic power transmission belts in polyester  
 Polyurethane round and V-belts (see general catalogue)





## Post Office Automation

- ▶ **OCR (optical code reader)**
- ▶ **VCR (video code reader)**
- ▶ **CFC (culler facer canceller)**



### Features and benefits

- ▶ **High capacity of conveying and constant coefficient of friction**
- ▶ **Anti-glazing**
- ▶ **Excellent resistance to abrasion and wearing**
- ▶ **Long life**
- ▶ **Dimensional stability**
- ▶ **Perforated belts can be supplied to Customer design**

## Curve belts

On request the curve belts can be fabricated with special finishing such as:

- perforations
- application of buttons
- application of eyelets.

### Features and benefits

▶ **Absolute precision**

▶ **Excellent flatness and superb flexibility**

▶ **Suitable for small pulley diameters**

▶ **Wide range of surface patterns**

▶ **Flame retardant version also available, according to EN20340-ISO 340**

▶ **Long life**



		Type	Traction core		Top cover	Bottom cover	Low noise fabric on driving surface (LdB) (1)	Permanent antistatic	Total thickness	Weight	Minimum diameter (2)		Pull for 1% elongation	Max. admissible pull / Tensile strength (3)	Min. temperature resistance	Max. temperature resistance	Comparative coefficient of friction (4)
			mm	kg/m <sup>2</sup>							mm	N/mm					
CONVEYOR AND PROCESS BELTS	POLYURETHANE	2M5 U0-U2 A	PET	TPU ●	TPU ●	✓	✓	1,2	1,4	↗	6	12	-20	+100	LF		
		2M8 U0-U2 SP	PET	TPU ●	TPU ●	✓	✓	1,5	1,6	↗	8	16	-20	+100	LF		
		2M8 U0-U2 N SP	PET	TPU ●	TPU ●	✓	✓	1,4	1,4	↗	8	16	-20	+100	LF		
		2T12 U0-U2 VL N A	PET	TPU ●	TPU ○	✓	✓	1,6	1,7	14	12	24	-20	+100	MF		
		2T12 U0-U2 PN N A	PET	TPU ●	TPU ○	✓	✓	1,7	1,7	14	12	24	-20	+100	MF		
		2M12 U0-U3 R A	PET	TPU ●	TPU ○	✓	✓	1,7	1,8	40	12	24	-20	+100	LF		
		2M12 U0-U3 R N A	PET	TPU ●	TPU ○	✓	✓	1,7	1,8	40	12	24	-20	+100	LF		
		2M12 U0-V-U5 SP	PET	TPU ●	TPU ●	✓	✓	2,1	2,5	60	12	24	-10	+60	LF		
		3M18 U0-V-U10 SP	PET	TPU ●	TPU ●	✓	✓	3,7	4,4	100	18	36	-10	+60	LF		
	PVC	1M6 U0-V5 N	PET	PVC ●	TPU ●	✓	✓	1,0	1,1	20	6	6	-10	+60	LF		
		2M8 U0-V5 A	PET	PVC ●	TPU ●	✓	✓	2,0	2,3	30	8	16	-10	+60	MF		
		2M8 U0-V17 GP	PET	PVC ●	TPU ●	✓	✓	5,2	3,7	50	8	16	-10	+60	HF		
		2M10 U0-V10	PET	PVC ●	TPU ●	✓	✓	2,8	3,3	50	10	20	-10	+60	MF		
		2M12 U0-V-U0 GR	PET	TPU ●	TPU ●	✓	✓	1,7	1,6	40	12	24	-10	+60	LF		
		2T12 U0-V0	PET	PVC ●	TPU ●	✓	✓	2,5	2,6	80	12	24	-10	+60	LF		
		2M12 U0-V3	PET	PVC ●	TPU ●	✓	✓	1,9	2,1	40	12	24	-10	+60	LF		
		2M12 U0-V3 N	PET	PVC ●	TPU ●	✓	✓	1,9	2,1	40	12	24	-10	+60	LF		
		2M12 U0-V7 LG	PET	PVC ●	TPU ●	✓	✓	2,4	2,4	40	12	24	-10	+60	HF		
		2M12 U0-V8 RT	PET	PVC ●	TPU ●	✓	✓	2,3	2,4	40	12	24	-10	+60	HF		
		2M12 U0-V10 A	PET	PVC ●	TPU ●	✓	✓	2,5	2,9	50	12	24	-10	+60	MF		
		2M12 U0-V10 N	PET	PVC ●	TPU ●	✓	✓	2,9	3,5	60	12	24	-10	+60	LF		
		2M12 U0-V10 RT	PET	PVC ●	TPU ●	✓	✓	2,6	2,6	50	12	24	-10	+60	HF		
		2T12 U0-V10	PET	PVC ●	TPU ●	✓	✓	2,5	2,9	50	12	24	-10	+60	MF		
		2M12 U0-V15 GPL N	PET	PVC ●	TPU ●	✓	✓	3,8	3,5	60	12	24	-10	+60	HF		
	2M12 U0-V20 GP	PET	PVC ●	TPU ●	✓	✓	5,5	3,9	50	12	24	-10	+60	HF			
	3T18 U0-V0	PET-cotton	PVC ●	TPU ●	✓	✓	3,7	3,9	120	18	36	-10	+60	LF			
	3M18 U0-V15 A	PET	PVC ●	TPU ●	✓	✓	4,2	4,9	100	18	36	-10	+60	MF			
	3T18 U0-V15	PET	PVC ●	TPU ●	✓	✓	4,2	4,9	100	18	36	-10	+60	MF			
	FLAME RETARDANT	2T12 U0-U2 FM FR	PET	TPU ●	TPU ○	✓	✓	1,8	1,8	30	12	24	-20	+100	MF		
		2M12 U0-U3 R A FR	PET	TPU ●	TPU ●	✓	✓	1,7	2,0	40	12	24	-20	+100	LF		
		1M12 U0-V5 PN FR	PET	PVC ●	TPU ●	✓	✓	1,8	1,9	40	8	12	-10	+60	HF		
		2M5 U0-V5 PN FR	PET	PVC ●	TPU ●	✓	✓	1,9	2,1	40	6	12	-10	+60	HF		
		2M12 U0-V-U0 FR	PET	TPU ●	TPU ●	✓	✓	2,5	2,5	40	12	24	-10	+60	LF		
		2M12 U0-V7 LG FR	PET	PVC ●	TPU ●	✓	✓	2,7	2,4	40	12	24	-10	+60	HF		
		2M12 U0-V10 FR	PET	PVC ●	TPU ●	✓	✓	2,5	2,9	50	12	24	-10	+60	MF		
		2T12 U0-V10 FM FR	PET	PVC ●	TPU ●	✓	✓	2,6	2,9	50	12	24	-10	+60	MF		
		2M12 U0-V10 RT FR	PET	PVC ●	TPU ●	✓	✓	2,7	2,9	60	12	24	-10	+60	HF		
		2M12 U0-V20 FB FR	PET	PVC ●	TPU ●	✓	✓	4,6	3,9	50	12	24	-10	+60	HF		
		2M12 U0-V20 GP FR	PET	PVC ●	TPU ●	✓	✓	5,5	3,9	50	12	24	-10	+60	HF		
		2M12 U0-V30 RL FR	PET	PVC ●	TPU ●	✓	✓	8,5	5,8	60	12	24	-25	+70	HF		
	ELASTOMER	2M8 U0-U-G10TP LG	PET	TPG ●	TPU ●	✓	✓	2,8	2,7	30	8	16	-20	+100	HF		
		2M8 U0-U-G15 FL	PET	NBR ●	TPU ●	✓	✓	3,0	3,4	50	8	16	-20	+100	MF		
2T12 U0-U-G10 FH		PET	NBR ●	TPU ●	✓	✓	2,2	2,2	50	12	24	-20	+100	HF			
2T12 U0-G25 GP		PET	XNBR ●	TPU ●	✓	✓	5,5	4,5	80	12	24	-40	+100	HF			
SILON	SILON 40 HC	PET	PET ●	PET ●	✓	✓	4,0	2,4	60	10	10	-20	+120	LF			
	SILON 60 HC	PET	PET ●	PET ●	✓	✓	5,5	3,4	100	10	10	-20	+120	LF			
	SILON 60 NA	PET	PET ●	PET ●	✓	✓	5,5	3,4	100	10	10	-20	+120	LF			
Fast-Joint	EL2-U10 FL	---	PUR ●	PUR ●	✓	✓	1,0	1,2	10	2 <sup>(5)</sup>	2	-20	+60	MF			
	EL3-U15 FL	---	PUR ●	PUR ●	✓	✓	1,5	1,6	10	3 <sup>(5)</sup>	3	-20	+60	MF			
	EL3-U17 HP N	---	PUR ●	PUR ●	✓	✓	1,7	1,8	10	3 <sup>(5)</sup>	3	-30	+60	MF			
	1M6 U0-U5 FL	PET	PUR ●	PUR ●	✓	✓	1,0	1,0	10	6	6	-20	+100	MF			
	1M6 U3-U3 FL	PET	PUR ●	PUR ●	✓	✓	1,2	1,3	10	6	6	-20	+100	MF			
	1M6 U5-U5 FL	PET	PUR ●	PUR ●	✓	✓	1,6	1,9	20	6	6	-20	+100	MF			
	DG-E 10/30	PET	NBR ●	NBR ●	✓	✓	3,0	3,5	30	10	90	-20	+70	MF			
DG-E 10/40	PET	NBR ●	NBR ●	✓	✓	4,0	5,0	40	10	90	-20	+70	MF				
TRANSMISSION BELTS	T0	PA	NBR ●	NBR ●	✓	✓	1,4	1,5	20	2	80	0	+100	MF			
	T1 <sup>(6)</sup>	PA	NBR ●	NBR ●	✓	✓	1,7	1,8	25	5	200	0	+100	MF			
	T2 <sup>(6)</sup>	PA	NBR ●	NBR ●	✓	✓	2,3	2,6	60	7,5	300	0	+100	MF			
	T3 <sup>(6)</sup>	PA	NBR ●	NBR ●	✓	✓	2,6	2,8	100	10	400	0	+100	MF			
	DG1/30 HS	PA	NBR ●	NBR ●	✓	✓	3,0	3,4	30	5	200	0	+100	MF			
	DG2/40 HS	PA	NBR ●	NBR ●	✓	✓	4,0	4,8	50	7,5	300	0	+100	MF			
	ENDLESS	MF-L200	PET	NR ●	---	✓	✓	5÷8	---	<sup>(7)</sup>	8	---	-20	+70	HF		
MF-R200	PET	NR ●	---	✓	✓	5÷8	---	<sup>(7)</sup>	8	---	-20	+100	HF				
MF-HS 200G	PET	NR ●	NBR ●	✓	✓	4÷6	---	<sup>(7)</sup>	10	---	-30	+80	HF				

(1) Quiet running: the belts having a LdB bottom fabric give quiet running properties.

(2) Minimum roller diameter is dependent on the joint recommended by CHIORINO.

(3) For TRANSMISSION BELTS, the value indicates the tensile strength.

(4) Top cover coefficient of friction: low LF, medium MF, high HF.

(5) Elastic belts "EL": pull for 8% elongation.

(6) R execution (higher thickness) available.

(7) Minimum diameter for MF belts is according to total thickness.

↗: knife edge

Drawing no.		Check-in	Baggage control	Explosives detectors	Horizontal take-away	Inclined take-away	Separators	Cross belt sorter	Diverters - Flipper	Diverters - Pusher	30/45° mergers	Accumulator conveyor belts	Telescopic belts	Curve belts	Live roller belt drives	POSTAL AUTOMATION	Type
1-2	1	1	1	2	3	4	5	6	7	8	9	10	11				
																	✓ 2M5 U0-U2 A
																	✓ 2M8 U0-U2 SP
																	2M8 U0-U2 N SP
																	2T12 U0-U2 VL N A
																	2T12 U0-U2 PN N
			✓														2M12 U0-U3 R A
			✓														2M12 U0-U3 R N A
				✓													2M12 U0-V-U5 SP
				✓													3M18 U0-V-U10 SP
																	1M6 U0-V5 N
																	2M8 U0-V5 A
																	2M8 U0-V17 GP
																	2M10 U0-V10
																	2M12 U0-V-U0 GR
																	2T12 U0-V0
																	2M12 U0-V3
																	2M12 U0-V3 N
																	2M12 U0-V7 LG
																	2M12 U0-V8 RT
																	2M12 U0-V10 A
																	2M12 U0-V10 N
																	2M12 U0-V10 RT
																	2T12 U0-V10
																	2M12 U0-V15 GPL N
																	2M12 U0-V20 GP
																	3T18 U0-V0
																	3M18 U0-V15 A
																	3T18 U0-V15
			✓														✓ 2T12 U0-U2 FM FR
			✓														2M12 U0-U3 R A FR
																	✓ 1M12 U0-V5 PN FR
																	✓ 2M5 U0-V5 PN FR
																	2M12 U0-V-U0 FR
																	2M12 U0-V7 LG FR
																	2M12 U0-V10 FR
																	2T12 U0-V10 FM FR
																	2M12 U0-V10 RT FR
																	2M12 U0-V20 FB FR
																	2M12 U0-V20 GP FR
																	2M12 U0-V30 RL FR
																	2M8 U0-U-G10TP LG
																	2M8 U0-U-G15 FL
																	2T12 U0-U-G10 FH
																	2T12 U0-G25 GP
																	SILON 40 HC
																	✓ SILON 60 HC
																	✓ SILON 60 NA
																	✓ EL2-U10 FL
																	✓ EL3-U15 FL
																	✓ EL3-U17 HP N
																	✓ 1M6 U0-U5 FL
																	✓ 1M6 U3-U3 FL
																	✓ 1M6 U5-U5 FL
																	✓ DG-E 10/30
																	✓ DG-E 10/40
																	✓ T0
																	✓ T1 <sup>(6)</sup>
																	✓ T2 <sup>(6)</sup>
																	✓ T3 <sup>(6)</sup>
																	✓ DG1/30 HS
																	✓ DG2/40 HS
																	✓ MF-L200
																	✓ MF-R200
																	✓ MF-HS 200G

### CONVEYOR AND PROCESS BELTS EXPLANATION OF TYPE DESIGNATION

- 2** Number of plies
- M** Textile carcass
- 8** Pull for 1% elongation [N/mm]
- U** Bottom cover
- 0** Thickness (mm/10)
- U** Possible interply
- G** Top cover
- 15** Thickness (mm/10)
- FL** Surface pattern / Other characteristics
- EL** Elastic belt without textile carcass
- 2** Pull for 8% elongation [N/mm]
- U** Material
- 10** Thickness (mm/10)
- FL** Surface pattern / Other characteristics
- SILON** Non woven
- 40** Thickness (mm/10)
- HC** Other characteristics

### TEXTILE CARCASS

- M** Rigid polyester
- MT** Combined polyester
- T** Flexible polyester
- EL** Belt without textile carcass

### COATING AND INTERPLY MATERIALS

- G** Elastomer
  - TPG thermoplastic elastomer
  - NBR synthetic rubber
  - NR natural rubber
- U** Polyurethane
- V** Polyvinyl chloride (PVC)

### OTHER CHARACTERISTICS

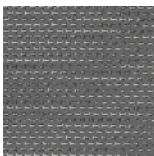
- FR** Flame retardant (EN20340 - ISO340)
- GR** Grey colour top cover
- HC** Static conductivity (ISO 284)
- HP** High performance
- HS** High performance elastomer
- N** Black colour top cover
- R** High transversal stability
- VL** Velvet finish

The technical data of this table has been formulated under normal environment conditions. They are subject to alteration without notice.

## SURFACE PATTERNS



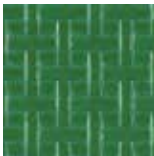
FL



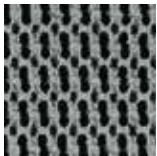
FM



FH



RT



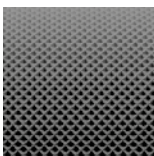
GP



GPL



RL



PN



LG



FB

**Transmission belts**  
**Explanation of type designation**
**TRACTION CORE**

**DG-E** Polyester fabric

**T - DG** Mono ply polyamide

**SURFACE MATERIALS**

**DG-E** NBR synthetic rubber

**T - DG**

**OTHER CHARACTERISTICS**

**HS** Very high resistance to abrasion

**Endless belts**  
**Explanation of type designation**

**MF** Endless belt (mandrel made)

**L** Outer cover

L raspberry (35 Sh.A)

R purple red (45 Sh.A)

HS ochre (40 Sh.A)

**200** 2 ply polyester fabrics

**G** Synthetic rubber, green colour  
65 Sh.A inner cover



## Drawing No.



1



2



3



4



5



6



7



8



9



10



11