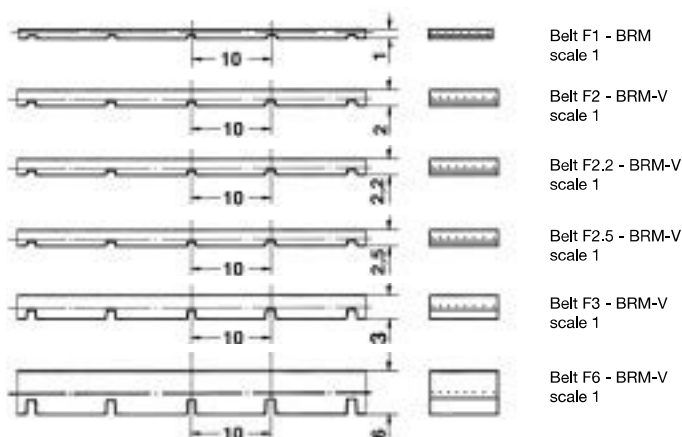


■ FLAT BELTS

Type BRECO® F

Type CONTI® POLYFLAT

BRECO® F	
Profile	b in mm
F1	1
F2	2
F2.2	2.2
F2.5	2.5
F3	3
F6	6
CONTI® POLYFLAT	
Profil	b en mm
XHS	4.5



■ Tangential force transmittable by the tension members

Profile / pitch	Belt width (mm)	Weight (kg/m)	Linear belts (M)										Welded belts (V)	
			Tension members : standard steel					Tension members : stainless steel					Permissible force at the join F _N (N) standard tension members	Permissible force at the join F _N (N) stainless tension members
			Permissible force F _N (N)	Tensile strength F _N (N)	Specific elasticity of tension members Cspe (N)	Stock		Permissible force F _N (N)	Tensile strength F _N (N)	Specific elasticity of tension members Cspe (N)	Stock			
Standard	PAZ¹	Standard				PAZ¹								
F1	8	0.012	300	1 200	0.75 · 10 ⁵			230	920	0.75 · 10 ⁵				
	10	0.015	360	1 440	0.90 · 10 ⁵			275	1 100	0.90 · 10 ⁵				
	15	0.023	510	2 040	1.28 · 10 ⁵			390	1 560	1.28 · 10 ⁵				
	20	0.030	720	2 880	1.80 · 10 ⁵			550	2 200	1.80 · 10 ⁵				
F2	25	0.081	2 200	8 800	0.55 · 10 ⁶			1 760	7 040	0.55 · 10 ⁶			1 100	880
	32	0.101	2 600	10 400	0.65 · 10 ⁶			2 080	8 320	0.65 · 10 ⁶			1 300	1 040
	50	0.161	4 400	17 600	1.10 · 10 ⁶			3 520	1 480	1.10 · 10 ⁶			2 200	1 760
	75	0.241	6 600	26 400	1.65 · 10 ⁶			5 380	21 120	1.65 · 10 ⁶			3 300	2 640
	100	0.322	8 800	35 200	2.26 · 10 ⁶			7 040	28 160	2.26 · 10 ⁶			4 400	3 520
F2.2	20	0.071	2 500	10 000	0.625 · 10 ⁶			1 875	7 500	0.625 · 10 ⁶			1 250	940
	25	0.092	3 500	14 000	0.875 · 10 ⁶			2 625	10 500	0.875 · 10 ⁶			1 750	1 315
	30	0.120	4 500	18 000	1.130 · 10 ⁶			3 375	13 500	1.130 · 10 ⁶			2 250	1 685
	32	0.130	5 000	20 000	1.250 · 10 ⁶			3 750	15 000	1.250 · 10 ⁶			2 500	1 875
	40	0.146	5 500	22 000	1.380 · 10 ⁶			4 125	16 500	1.380 · 10 ⁶			2 750	2 060
	50	0.213	7 000	28 000	1.750 · 10 ⁶			5 250	21 000	1.750 · 10 ⁶			3 500	2 625
	75	0.309	10 000	40 000	2.500 · 10 ⁶			7 500	30 000	2.500 · 10 ⁶			5 000	3 750
F2.5	100	0.366	14 000	56 000	3.500 · 10 ⁶			10 500	42 000	3.500 · 10 ⁶			7 000	5 250
	50	0.263	11 200	44 800	2.8 · 10 ⁶			8 960	35 840	2.8 · 10 ⁶			5 600	11 200
F3	100	0.526	22 400	89 600	5.6 · 10 ⁶			17 920	71 680	5.6 · 10 ⁶			4 480	8 960
	30	0.197	8 400	33 600	2.10 · 10 ⁶			6 710	26 880	2.10 · 10 ⁶			4 200	3 360
F3	50	0.343	14 700	58 800	3.68 · 10 ⁶			11 760	47 040	3.68 · 10 ⁶			7 350	5 880
	100	0.686	30 800	123 200	7.70 · 10 ⁶			24 640	98 560	7.70 · 10 ⁶			15 400	12 320
F6	30	3232	1 800	7 200	4.0 · 10 ⁶			1 440	5 760	4.0 · 10 ⁶			900	720
BELTS CONTI® POLYFLAT - BLACK POLYURETHANE														
XHS*	85	0.892	40 000	160 000	10.0 · 10 ⁶									
	100	1.050	48 000	192 000	11.8 · 10 ⁶									
	120	1.260	57 600	230 400	14.2 · 10 ⁶									
	150	1.575	72 000	288 000	18.0 · 10 ⁶									

* Consult us for other wrap diameters.

■ Flat belts tolerances

Profile	Width (mm)	Length (mm/m)	Total thickness (mm)
F1	+/- 0.5	+/- 0.8	+/- 0.2
F2	+/- 0.5	+/- 0.8	- 0.1 / + 0.3
F2.2	+/- 0.5	+/- 0.8	- 0.1 / + 0.3
F2.5	+/- 0.5	+/- 0.8	- 0.1 / + 0.3
F3	+/- 0.5	+/- 0.8	- 0.1 / + 0.3
F6	+/- 0.5	+/- 0.8	+/- 0.2
POLYFLAT	+/- 0.5	+/- 0.8	+/- 0.3

Standard lengths and widths available

Linear belts (M)

- Every length from groove to groove possible
- In stock: rolls of 100 m
- Lengths greater than 100 m on request

Options

- Stainless steel tension members, see page 6 (on request)
- Polyurethane, see page 5 (on request)
- Coatings, see pages 56 to 63

Welded belts (V)

- Minimum length: 880 mm (except for F1 which is not a welded size)

■ Available versions with endless tension members

Flat belt BRECOFLEX® F2							
Widths	b	16	25	32	50	75	100
F_N standard tension members	N	1 000	1 800	2 300	3 800	5 800	7 800
F_N stainless tension members	N	800	1 440	1 840	3 040	4 640	6 240
Weight	kg	0.050	0.078	0.100	0.157	0.235	0.313
Lengths from 1 500 to 2 000 mm							

BELTS ORDERING EXAMPLE			
Designation	Width	Profile / length	Particular specifications
Welded linear BRECO belt	25	F2,5/8520 V	PAZ ¹
Open linear BRECO belt	50	F6/10000 M	
FLAT BELT CONTI POLYFLAT	20	XHS/30000 M	

DELIVERY TIMES		
Belts in stock	●	3 days acc. to availability
Standard belts		4 to 6 weeks
Special belts		Consult us

Recommended pre-tension: see page 4
General information: see page 4

1. Backing (PAZ) see page 56
2. Standard tension members: high flexibility