

TECHNICAL DATA

Belt type & Thickness in mm.	Color (for ref. only)	Shore Hardness		Maximum Working Load		Minimum Pulley Diameter ⁽³⁾		Coeff. of Friction ⁽¹⁾		Temperature Range		Pull Force at 1% pretension ⁽²⁾	
		A	D	lb/in	kg/cm	inch	mm	top	bot.	F°	C°	lb/in	kg/cm

Flat Homogeneous Belts

FK-1.8			59	70	13	2 3/8	60	0.28	0.28	-5 to 170	-20 to 75	10.6	1.9
FK-2.5			59	100	18	3 1/8	80	0.28	0.28	-5 to 170	-20 to 75	14.7	2.6
FK-3			59	120	21	3 1/2	88	0.28	0.28	-5 to 170	-20 to 75	17.6	3.2
FK-4			59	160	28	4 1/4	105	0.28	0.28	-5 to 170	-20 to 75	23.5	4.2
FZ-2		95	46	45	8	1 5/8	40	0.36	0.36	-20 to 140	-30 to 60	6.4	1.2
FZ-2.5		95	46	56	10	2	50	0.36	0.36	-20 to 140	-30 to 60	8.0	1.5
FZ-3.2		95	46	73	13	2 1/2	65	0.36	0.36	-20 to 140	-30 to 60	10.8	2.0
FZ-4		95	46	90	16	3 1/8	80	0.36	0.36	-20 to 140	-30 to 60	13.6	2.6
FZ-5		95	46	112	20	4	100	0.36	0.36	-20 to 140	-30 to 60	16.8	3.2
FL-3		80		5.3	2.9	3/4	20	0.55	0.55	-40 to 130	-40 to 55	2.2	0.4
FL-4		80		7.2	3.2	1 3/16	30	0.55	0.55	-40 to 130	-40 to 55	3.4	0.6
FL-5		80		9.0	4.0	1 3/8	35	0.55	0.55	-40 to 130	-40 to 55	3.9	0.7
FL-8 ⁽⁴⁾		80		14.4	6.4	3 1/8	80	0.55	0.55	-40 to 130	-40 to 55	6.8	1.2

Flat Homogeneous Embossed Belts

FEZ-2		95	46	45	8	1 1/4	30	0.4	0.2	-20 to 140	-30 to 60	4.5	0.8
FEZ-2.5		95	46	56	10	1 3/8	35	0.4	0.2	-20 to 140	-30 to 60	5.6	1
FEZ-3.2		95	46	73	13	1 7/8	48	0.4	0.2	-20 to 140	-30 to 60	7.3	1.3
FEZ-4		95	46	90	16	2 3/8	60	0.4	0.2	-20 to 140	-30 to 60	9	1.6
FEZ-5		95	46	112	20	3 1/8	80	0.4	0.2	-20 to 140	-30 to 60	11.8	2.1
FEPZ-3 ⁽⁴⁾		86		45	8	1 1/4	30	0.6	0.45	-20 to 120	-30 to 50	5.1	0.8
FEPZ-4 ⁽⁴⁾		86		61	11	1 5/8	40	0.6	0.45	-20 to 120	-30 to 50	6.3	1.1

Flat Reinforced Belts

	Ultimate Strength												
FRG-2(AS)	95	46	725	130	1 1/16	27	0.4	0.2	-20 to 140	-30 to 60	33.5	6	
FRG-3(AS)	95	46	780	140	1 3/8	36	0.4	0.2	-20 to 140	-30 to 60	39	7	
FRGZ-2(AS)	95	46	725	130	1 1/16	27	0.4	0.2	-20 to 140	-30 to 60	33.5	6	
FRGZ-3(AS)	95	46	780	140	1 7/16	36	0.4	0.2	-20 to 140	-30 to 60	39	7	
FRGZ-4(AS)	95	46	836	150	1 3/4	45	0.4	0.2	-20 to 140	-30 to 60	41.7	7.5	
FRBL-2	86		700	125	3/4	19	0.6	0.2	-40 to 120	-40 to 50	28	5	
FRBL-3	86		750	130	1 1/8	28	0.6	0.2	-40 to 120	-40 to 50	32	5.7	
FRL-2(AS)	80		670	120	3/8	10	0.8	0.2	-40 to 120	-40 to 50	28	5	
FRL-3(AS)	80		700	125	1 3/16	30	0.8	0.2	-40 to 120	-40 to 50	67	12	
FRL-5(AS)	80		756	135	2 3/8	60	0.8	0.2	-40 to 120	-40 to 50	73	13	
FRL-8 ⁽⁴⁾ (AS)	80		780	140	3 1/4	80	0.8	0.2	-40 to 120	-40 to 50	78	14	
FRLG-5.5 ⁽⁴⁾ (AS)	80		763	137	2 3/4	70	0.8	0.2	-40 to 120	-40 to 50	73	13	

(1) Coefficient of friction relates to steel. Values are for reference only.

(2) Maximum recommended pretension is 3% for non-reinforced belts and 1.2% for reinforced belts.

(3) For backbending of reinforced flat belts double minimum pulley diameter.

(4) These are non-standard products.

Standard roll sizes: width – 60 inch / 1500 mm; Length – 100 feet / 30 meter

Contact your VOLTA Belting sales representative regarding non-standard roll dimensions and other special requirements.