

TECHNICAL DATA

Belt type & Thickness	Colour	Shore hardness	Maximum work load		minimum pulley diameter		Coefficient of friction (bottom)	Temperature range		1% pull force ⁽²⁾	
			lb./inch	Kg./Cm	inch	mm		Steel	F	C	lb / in

Flat homogenous belts

FHW-1.5		59D	60	10	2	50	0.28	-5 to 170	-20 to 75	8.40	1.5
FHW-2		59D	80	14	2 ³ / ₄	70	0.28	-5 to 170	-20 to 75	11.20	2.0
FHW-2.5		59D	100	18	3 ¹ / ₈	80	0.28	-5 to 170	-20 to 75	14.00	2.5
FHW-3		59D	120	21	3 ¹ / ₂	90	0.28	-5 to 170	-20 to 75	16.80	3.0
FHW-4		59D	160	28	4 ¹ / ₄	110	0.28	-5 to 170	-20 to 75	22.40	4.0
FHW-5		59D	200	35	5 ⁷ / ₈	150	0.28	-5 to 170	-20 to 75	28.00	5.0
FHB-2		59D	80	14	2 ³ / ₄	70	0.28	-5 to 170	-20 to 75	11.20	2.0
FHB-3		59D	120	21	3 ¹ / ₂	90	0.28	-5 to 170	-20 to 75	16.80	3.0
FHB-4		59D	160	28	4 ¹ / ₄	110	0.28	-5 to 170	-20 to 75	22.40	4.0
FMW-2		95A	45	8	1 ¹ / ₄	30	0.36	-20 to 140	-30 to 60	6.80	1.2
FMW-2.5		95A	56	10	1 ³ / ₈	35	0.36	-20 to 140	-30 to 60	8.40	1.5
FMW-3		95A	67	12	1 ⁵ / ₈	40	0.36	-20 to 140	-30 to 60	10.10	1.8
FMW-4		95A	90	16	2 ³ / ₈	60	0.36	-20 to 140	-30 to 60	13.50	2.4
FMW-5		95A	112	20	3 ¹ / ₈	80	0.36	-20 to 140	-30 to 60	16.90	3.0
FMB-2		95A	45	8	1 ¹ / ₄	30	0.36	-20 to 140	-30 to 60	6.80	1.2
FMB-2.5		95A	56	10	1 ³ / ₈	35	0.36	-20 to 140	-30 to 60	8.40	1.5
FMB-3		95A	67	12	1 ⁵ / ₈	40	0.36	-20 to 140	-30 to 60	10.10	1.8
FMB-4		95A	90	16	2 ³ / ₈	60	0.36	-20 to 140	-30 to 60	13.50	2.4

Flat homogenous embossed belts

FEMW-2		95A	45	8	1 ¹ / ₄	28	0.25	-20 to 140	-30 to 60	4.50	0.8
FEMW-2.5		95A	56	10	1 ³ / ₈	35	0.25	-20 to 140	-30 to 60	5.60	1.0
FEMW-3		95A	67	12	1 ⁵ / ₈	40	0.25	-20 to 140	-30 to 60	6.80	1.2
FEMW-4		95A	90	16	2 ³ / ₈	55	0.25	-20 to 140	-30 to 60	9.20	1.6
FEMW-5		95A	112	20	3 ¹ / ₈	75	0.25	-20 to 140	-30 to 60	11.70	2.1
FEMB-2		95A	45	8	1 ¹ / ₄	28	0.25	-20 to 140	-30 to 60	4.50	0.8
FEMB-2.5		95A	56	10	1 ³ / ₈	35	0.25	-20 to 140	-30 to 60	5.60	1.0
FEMB-3		95A	67	12	1 ⁵ / ₈	40	0.25	-20 to 140	-30 to 60	6.80	1.2
FEMB-4		95A	90	16	2 ³ / ₈	55	0.25	-20 to 140	-30 to 60	9.20	1.6
FELW-2		80A	3.6	2	1 ¹ / ₂	12	0.60	-40 to 125	-40 to 45	0.90	0.4

Flat reinforced belts

FRMW-2		95A	725 ⁽¹⁾	130 ⁽¹⁾	1 ⁽³⁾	27 ⁽³⁾	0.20	-20 to 140	-30 to 60	33.50	6.0
FRMW-2.5		95A	752 ⁽¹⁾	135 ⁽¹⁾	1 ¹ / ₄ ⁽³⁾	32 ⁽³⁾	0.20	-20 to 140	-30 to 60	36.20	6.5
FRMW-3		95A	780 ⁽¹⁾	140 ⁽¹⁾	1 ³ / ₈ ⁽³⁾	36 ⁽³⁾	0.20	-20 to 140	-30 to 60	39.00	7.0
FRLW-2		80A	670 ⁽¹⁾	120 ⁽¹⁾	3 ³ / ₈ ⁽³⁾	10 ⁽³⁾	0.20	-40 to 120	-40 to 50	28.00	5.0

(1) Ultimate strength for reinforced belts.

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

For pretension other than 1% multiply the tabled figure by the pretension (%) required.

(3) For back bending of reinforced flat belts double Minimum Pulley.

(4) Standard roll size: width - 60" (1500mm), length - 100^{FT}(30m)

For wider and longer belts - Consult VOLTA