



DRIVE DESIGN
AND TECHNICAL MANUAL

EXTRUDED OPEN ENDED
LINEAR ROLL FLAT BELT

**DRIVE BELT
TECHNOLOGY .**

SECTION 2.2.7 | TIMING BELTS | POLYURETHANE BELTS

EXTRUDED OPEN ENDED LINEAR ROLL FLAT BELT F1, F2, F3, F4

FEATURES

Manufactured in thermoplastic polyurethane to ensure low friction, noise and to have resistance to abrasion.

High resistance steel tension members deliver high traction and breaking load, extremely low elongation and great flexibility.

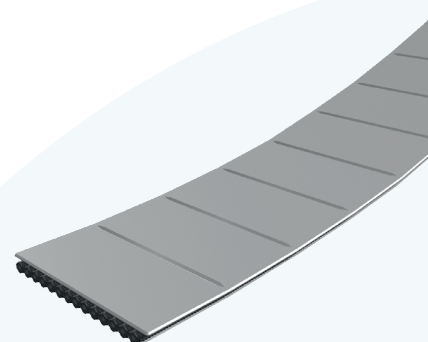
Oil and grease resistant with moderate resistance to acids and alkali

High abrasion, hydrolysis, ozone and aging resistance

Standard roll length of 50m or 100m at +/- 1%, maximum width of 100mm

Our polyurethane extruded open ended belt can be produced in various ways for the convenience of your application

Our extruded open ended flat belts are primarily used in light lifting applications or non synchronous power transmission drive.



They allow high level of load transfer thanks to their high strength tensile perfectly encased in high resistance shock absorbing polyurethane body.

Possible applications are light weighting fitness, pulp and paper, textile or wood working.

Dimensions



	OE-F1	OE-F2	OE-F3	OE-F4
Belt thickness (mm)	1,0 +/-0,1	2,0 +/-0,2	3,0 +/-0,3	4,0 +/-0,4
Min. Diameter of idler (mm)	16	50	120	160
Min. Diameter of back idler (mm)	30	100	180	210

1 : Maximum traction load is half of open ended belt, to be used only with conveying application

Bellow all average values for steel cord, no aramid caro available for now, please consult us for any special requirements

OE-F1

	10	20	30	40	50	100
Belt Width (mm)	10	20	30	40	50	100
Max Traction Load (N)	300	700	1100	1500	1900	3800
Breaking Strentgh (N)	1200	2700	4200	5700	7200	14700
Belt Weight (g/m)	20	40	50	80	90	210



OE-F2

	10	15	25	30	50	75	100
Belt Width (mm)	10	15	25	30	50	75	100
Max Traction Load (N)	1400	2200	4200	4650	8560	13000	17450
Breaking Strentgh (N)	5700	8600	16200	18000	33200	50400	67500
Belt Weight (g/m)	30	50	80	100	170	250	340



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OE-F3



Belt Width (mm)	25	30	60	120	150
Max Traction Load (N)	8500	10150	21280	43400	53535
Breaking Strength (N)	32150	38500	80100	164000	201700
Belt Weight (g/m)	110	120	240	480	600

OE-F4



Belt Width (mm)	25	30	60	120	150
Max Traction Load (N)	17000	20300	42560	86800	107070
Breaking Strength (N)	59500	71000	148000	303000	372000
Belt Weight (g/m)	145	160	320	640	800

Applications



Technology & Robots

CMW

100-OE-F1-10-PU-S

batch code/worker code

Product Codification

100-OE-F2-100-PU-S means

100	OE	F2	100	PU	S
Length / 100 meters	Open Ended Roll	Section F2 Thickness 2 mm	Width 100mm	PU Transparent	Steel cord

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OE-F1

Standard Belt Range

CMW Product code	GTIN (EAN) code
100-OE-F1-10-PU-S	3666445001780
100-OE-F1-20-PU-S	3666445001773
100-OE-F1-30-PU-S	3666445001766
100-OE-F1-40-PU-S	3666445001759
100-OE-F1-50-PU-S	3666445001742
100-OE-F1-100-PU-S	3666445001735
100-OE-F1-10-PU-K	3666445001728
100-OE-F1-20-PU-K	3666445001711
100-OE-F1-30-PU-K	3666445001704
100-OE-F1-40-PU-K	3666445001698
100-OE-F1-50-PU-K	3666445001681
100-OE-F1-100-PU-K	3666445001674



OE-F2

Standard Belt Range

CMW Product code	GTIN (EAN) code
100-OE-F2-10-PU-S	3666445001667
100-OE-F2-15-PU-S	3666445001650
100-OE-F2-25-PU-S	3666445001643
100-OE-F2-30-PU-S	3666445001636
100-OE-F2-50-PU-S	3666445001629
100-OE-F2-75-PU-S	3666445001612
100-OE-F2-100-PU-S	3666445001605
100-OE-F2-10-PU-K	3666445001599
100-OE-F2-15-PU-K	3666445001582
100-OE-F2-25-PU-K	3666445001575
100-OE-F2-30-PU-K	3666445001568
100-OE-F2-50-PU-K	3666445001551
100-OE-F2-75-PU-K	3666445001544
100-OE-F2-100-PU-K	3666445001537

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OE-F3

Standard Belt Range

CMW Product code	GTIN (EAN) code
100-OE-F3-25-PU-S	3666445001520
100-OE-F3-30-PU-S	3666445001513
100-OE-F3-60-PU-S	3666445001506
100-OE-F3-120-PU-S	3666445001490
100-OE-F3-150-PU-S	3666445001483
100-OE-F3-25-PU-K	3666445001476
100-OE-F3-30-PU-K	3666445001469
100-OE-F3-60-PU-K	3666445001452
100-OE-F3-120-PU-K	3666445001445
100-OE-F3-150-PU-K	3666445001438



OE-F4

Standard Belt Range

CMW Product code	GTIN (EAN) code
100-OE-F4-25-PU-S	3666445001421
100-OE-F4-30-PU-S	3666445001414
100-OE-F4-60-PU-S	3666445001407
100-OE-F4-120-PU-S	3666445001391
100-OE-F4-150-PU-S	3666445001384
100-OE-F4-25-PU-K	3666445001377
100-OE-F4-30-PU-K	3666445001360
100-OE-F4-60-PU-K	3666445001353
100-OE-F4-120-PU-K	3666445001346
100-OE-F4-150-PU-K	3666445001339

POWER RATING

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Section F1

Traction Resistance

Steel cord				
Belt width	"Max Traction Load Open Ended"	"Max Traction Load Joined"	Breaking Strength	Weight
mm	(N)	(N)	(N)	(kg/m)
10	317	158	248	0,02
20	693	347	2723	0,04
30	1080	539	4208	0,05
40	1456	728	5693	0,08
50	1841	920	7178	0,08
100	3742	1872	14603	0,21

Aramid Cord		
Belt width	Ftzul (N)	Breaking Strength
mm	M type	(N)
10	693	2772
20	1525	6098
30	2356	9425
40	3188	12751
50	4019	16078
100	8177	32710

Section F2

Traction Resistance

Steel cord				
Belt width	"Max Traction Load Open Ended"	"Max Traction Load Joined"	Breaking Strength	Weight
mm	(N)	(N)	(N)	(kg/m)
10	1455	728	5643	0,03
15	2188	1094	8464,5	0,05
25	4128	2064	15988,5	0,08
30	4613	2307	17869,5	0,10
50	8494	4247	32917,5	0,17
75	12860	6430	49846,5	0,25
100	17226	8613	66775,5	0,34

Aramid Cord		
Belt width	Ftzul (N)	Breaking Strength
mm	M type	(N)
10	1307	5940
15	1960	8910
25	3703	16830
30	4138	18810
50	7623	34650
75	11543	52470
100	15464	70290

POWER RATING

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Section F3

Traction Resistance

Steel cord				
Belt width	"Max Traction Load Open Ended"	"Max Traction Load Joined"	Breaking Strength	Weight
mm	(N)	(N)	(N)	(kg/m)
25	8415	4208	31680	0,10
30	10098	5049	38016	0,11
60	21037,5	10519	79200	0,22
120	42916,5	21458	161568	0,45
150	53014,5	26507	199584	0,56

Section F4

Traction Resistance

Steel cord				
Belt width	"Max Traction Load Open Ended"	"Max Traction Load Joined"	Breaking Strength	Weight
mm	(N)	(N)	(N)	(kg/m)
25	7600	3800	30400	0,22
50	15200	7600	60800	0,45
100	32000	16000	121600	0,89



Your expert in DRIVE BELT TECHNOLOGY

CMW Power Transmission designs, manufactures and distributes rubber and polyurethane drive belts in wide variety of industrial and agricultural applications to become your favourite power transmission brand.

CMW Power Transmission SAS

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