

MEGALINEAR STD5 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	10	15	25	50	75	100	150
Weight (gr/m)	35	50	80	165	245	330	495

Standard compound: **black Polyurethane thermoplastic 92 ShA**

Standard back cover: **none**

Standard tooth cover: **antistatic nylon fabric (NFT)**

Standard cords: **S and Z torsion zinked steel**

Standard width tolerance: **+/- 0,5 mm**

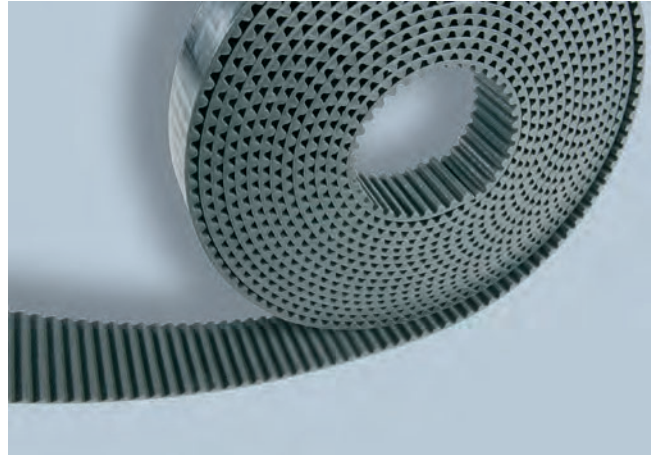
Standard thickness: **3,4 +/- 0,25 mm**

Standard length tolerance: **+/- 0,8 mm/m**

Standard roll length: **100 m**

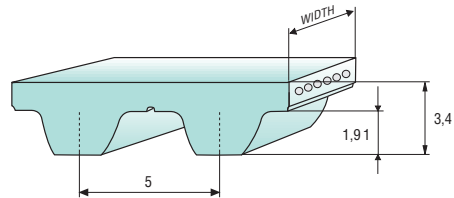
Belt options on request with minimum quantity:

- Nylon fabric back
- AVAFC 60/70/85 ShA
- APL
- Cleats



Different back coating materials see page 120

TOOTH PROFILE ACCORDING ISO 13050



TOOTH RESISTANCE

RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000	4000	5000	8000
F _{p spec} (N/cm)	34	34	33	32	31	30	29	27	25	24	22	20	17	15	12	10	8	3

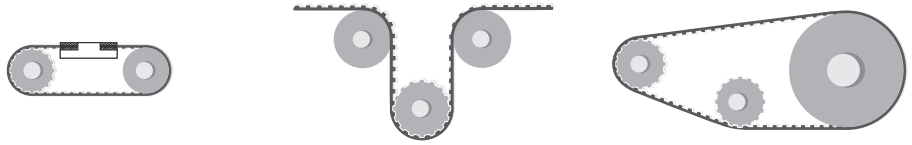
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		10	15	25	50	75	100	150
Steel	Max Traction Load (N)	670	1005	1805	3750	6065	6910	7810
	Breaking Strength (N)	2680	4020	7235	15005	23045	26260	27335
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4

Average values

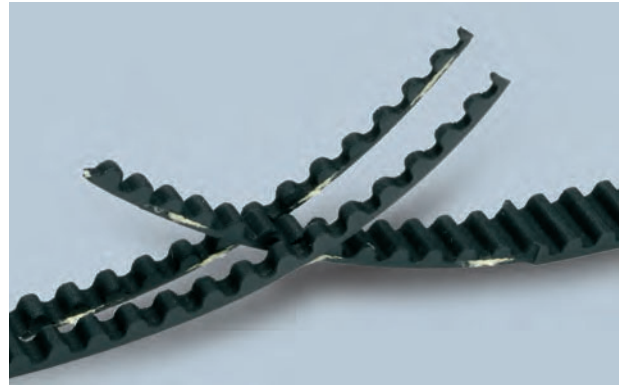
FLEXION RESISTANCE



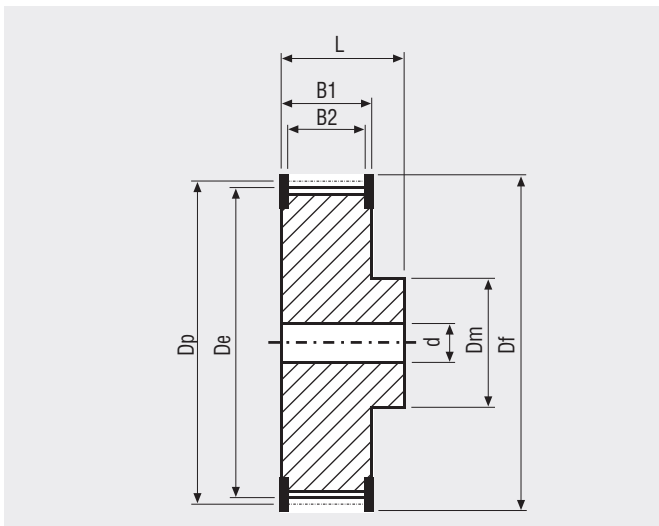
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	12	13	60	12	20

JOINED BELT INFORMATION

- Minimum splice length 900 mm
- Traction and tooth resistances = 50% less than open-end
- Joined belt can be used only in conveyor systems
- Rolls with NFT, NFB, AVAFC and APL can be joined too
- Minimum diameters according above table
- For coated belts, minimum diameters on page 120



PULLEYS (for more details please see our pulleys catalogue)



N° Teeth	Dp	De	N° Teeth	Dp	De
12	19,10	18,14	28	44,58	43,60
14	22,29	21,32	30	47,77	46,79
15	23,88	22,91	32	50,95	49,79
16	25,47	24,50	36	57,32	56,34
18	28,66	27,69	40	63,69	62,70
20	31,84	30,87	44	70,06	69,07
22	35,03	34,05	48	76,43	75,43
24	38,21	37,24	60	95,54	94,53
26	41,40	40,42	72	114,64	113,63

MEGALINEAR STD8 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	10	12	15	20	30	50	85
Weight (gr/m)	65	75	85	120	185	325	530

Standard compound: **black Polyurethane thermoplastic 92 ShA**

Standard back cover: **none**

Standard tooth cover: **antistatic nylon fabric (NFT)**

Standard cords: **S and Z torsion zinked steel**

Standard width tolerance: **+/- 0,5 mm**

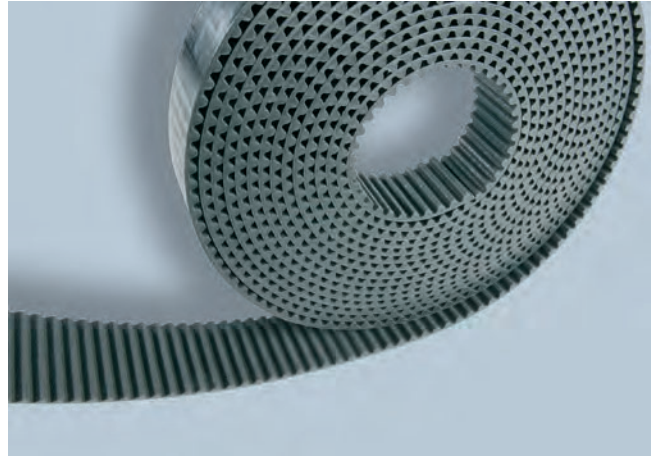
Standard thickness: **5,1 +/- 0,25 mm**

Standard length tolerance: **+/- 0,8 mm/m**

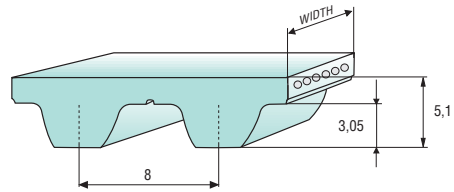
Standard roll length: **100 m**

Belt options on request with minimum quantity:

- Nylon fabric back
- AVAFC 60/70/85 ShA
- APL
- Fishbone
- Ribbed
- Cleats



Different back coating materials see page 120



TOOTH PROFILE ACCORDING ISO 13050

TOOTH RESISTANCE

RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000	4000	5000
F _{p spec} (N/cm)	64	62	58	56	54	51	48	46	44	42	38	35	31	27	23	20	17

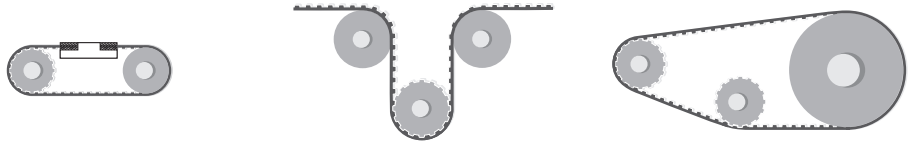
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		10	12	15	20	30	50	85
HP = Standard	Max Traction Load (N)	1425	1660	2135	3085	4750	8075	14750
	Breaking Strength (N)	5700	6650	8550	12350	19000	32300	56050
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	1185	1385	1780	2570	3955	6725	12285
	Breaking Strength (N)	4745	5540	7120	10285	15830	26910	46695
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HF	Max Traction Load (N)	840	1050	1365	1890	2940	5040	9170
	Breaking Strength (N)	3360	4200	5460	7560	11760	20160	34860
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5

Average values

FLEXION RESISTANCE



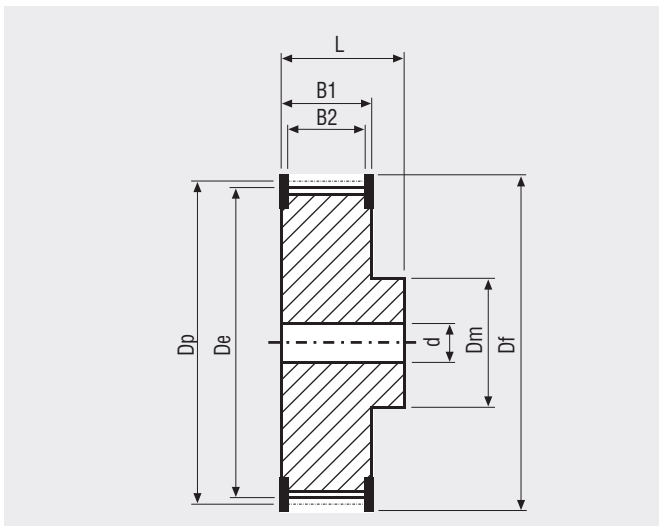
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
HP = standard	20	24	100	20	50
Kevlar cords	20	24	100	20	50
High Flexibility cords	16	24	60	22	40

JOINED BELT INFORMATION

- Minimum splice length 900 mm
- Traction and tooth resistances = 50% less than open-end
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- Minimum diameters according above table
- For coated belts, minimum diameters on page 120



PULLEYS (for more details please see our pulleys catalogue)



N° Teeth	Dp	De	N° Teeth	Dp	De
22	56,05	54,65	48	122,29	120,86
24	61,14	59,75	56	142,67	141,23
26	66,24	64,84	64	163,05	161,60
28	71,33	69,93	72	183,43	181,98
30	76,43	75,02	80	203,82	202,35
32	81,52	80,12	90	229,29	227,81
34	86,62	85,21	112	285,35	283,84
36	91,71	90,30	144	366,87	365,32
38	96,81	95,40	168	428,02	426,44
40	101,91	100,49	192	489,17	487,55
44	112,10	110,68			