

MEGALINEAR MTD3 OPEN-END

BELT CHARACTERISTICS

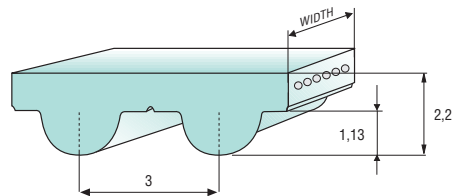
STANDARD WIDTHS (mm)	10	20	25	50
Weight (gr/m)	20	45	60	115

- Standard compound: **white Polyurethane thermoplastic 92 ShA**
- Standard back cover: **none**
- Standard tooth cover: **none**
- Standard cords: **S and Z torsion zinked steel**
- Standard width tolerance: **+/- 0,3 mm**
- Standard thickness: **2,2 +/- 0,15 mm**
- Standard length tolerance: **+/- 0,5 mm/m**
- Standard roll length: **100 m**
- Belt options on request with minimum quantity:
 - Nylon fabric back
 - Nylon fabric teeth
 - Antistatic nylon fabric
 - Transparent FDA compound



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)	23	23	22	22	22	22	21	20	20	19	18	17	16	15	13	12	11	9

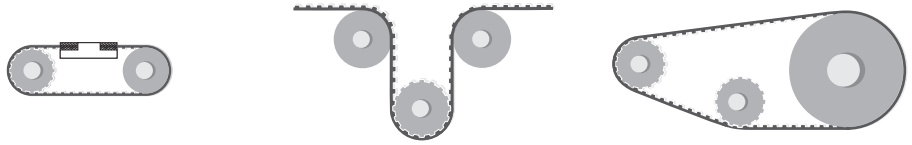
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		10	20	25	50
Steel	Max Traction Load (N)	410	820	1065	2170
	Breaking Strength (N)	1640	3280	4260	8690
	Elongation at MTL (mm/m)	4	4	4	4

Average values

FLEXION RESISTANCE



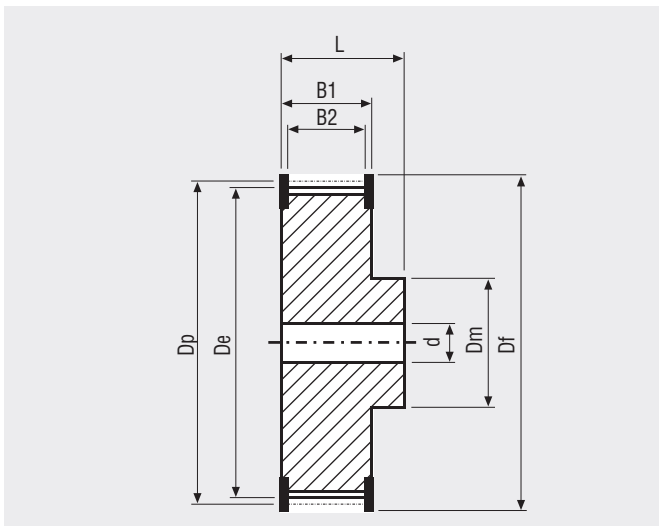
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	20	20	30	20	30

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 and NFB 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
20	19,10	18,34	32	30,56	29,80
21	20,05	19,29	36	34,38	33,62
22	21,01	20,25	40	38,20	37,44
24	22,92	22,16	44	42,02	41,25
26	24,83	24,07	48	45,84	45,07
28	26,74	25,98	60	57,30	56,53
30	28,65	27,89	72	68,75	67,99

MEGALINEAR MTD5 OPEN-END

BELT CHARACTERISTICS

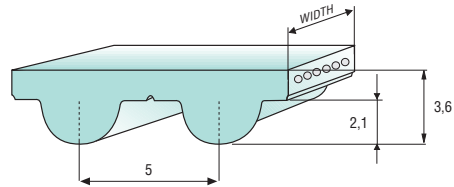
STANDARD WIDTHS (mm)	10	15	25	50
Weight (gr/m)	35	50	80	165

- Standard compound: **white Polyurethane thermoplastic 92 ShA**
- Standard back cover: **none**
- Standard tooth cover: **none**
- Standard cords: **S and Z torsion zinked steel**
- Standard width tolerance: **+/- 0,5 mm**
- Standard thickness: **3,6 +/- 0,2 mm**
- Standard length tolerance: **+/- 0,8 mm/m**
- Standard roll length: **100 m**
- Belt options on request with minimum quantity:
 - Nylon fabric back
 - Nylon fabric teeth
 - Antistatic nylon fabric
 - 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	33	33	32	31	30	29	28	26	25	23	21	19	17	16	13

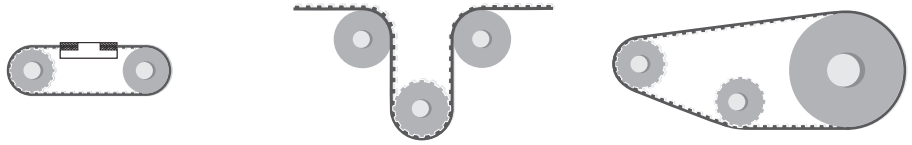
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		10	15	25	50
Steel	Max Traction Load (N)	670	1005	1805	3750
	Breaking Strength (N)	2680	4020	7235	15005
	Elongation at MTL (mm/m)	4	4	4	4
Kevlar	Max Traction Load (N)	820	1235	2225	4615
	Breaking Strength (N)	3295	4945	8900	18465
	Elongation at MTL (mm/m)	8	8	8	8
Stainless	Max Traction Load (N)	590	885	1590	-
	Breaking Strength (N)	2360	3540	6370	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	-

Average values

FLEXION RESISTANCE



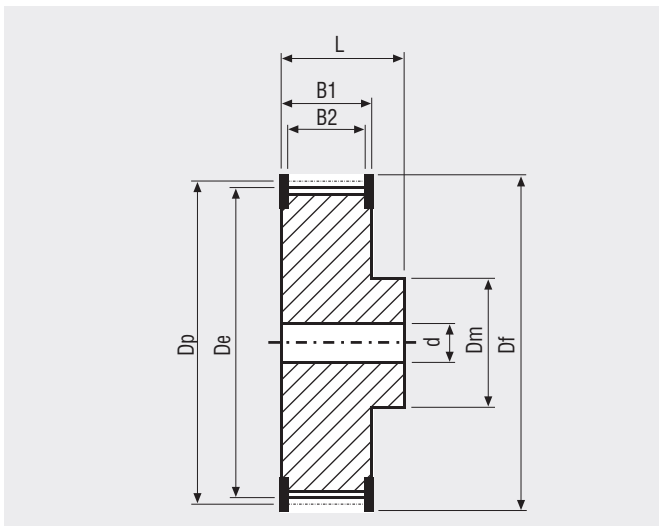
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	16	16	50	16	25
Kevlar cords	16	16	50	16	25
Stainless steel cords	18	20	65	18	65

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)



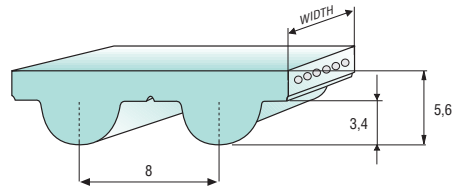
N° Teeth	Dp	De	N° Teeth	Dp	De
16	25,46	24,32	30	47,75	46,60
18	28,65	27,50	32	50,93	49,79
20	31,83	30,69	36	57,30	56,15
21	33,42	32,28	40	63,66	62,52
22	35,01	33,87	44	70,03	68,89
24	38,20	37,05	48	76,39	75,25
26	41,38	40,24	60	95,49	94,35
28	44,56	43,42	72	114,59	113,45

MEGALINEAR MTD8 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	10	15	20	30	50	85	100
Weight (gr/m)	65	85	120	185	325	530	650

- Standard compound: **white Polyurethane thermoplastic 92 ShA**
- Standard back cover: **none**
- Standard tooth cover: **none**
- Standard cords: **S and Z torsion zinked steel**
- Standard width tolerance: **+/- 0,5 mm**
- Standard thickness: **5,6 +/- 0,3 mm**
- Standard length tolerance: **+/- 0,8 mm/m**
- Standard roll length: **100 m**
- Belt options on request with minimum quantity:
 - Nylon fabric back
 - Nylon fabric teeth
 - Antistatic nylon fabric
 - Transparent FDA compound
 - 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	8000
F _{p spec} (N/cm)	67	66	65	64	63	63	59	57	54	52	48	45	40	37	31	28	24	18

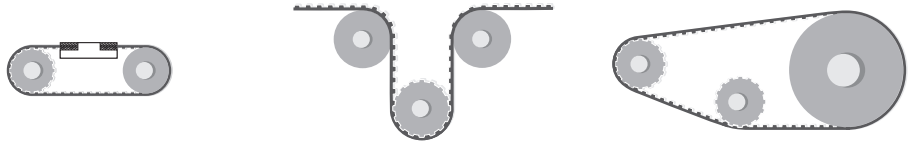
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		10	15	20	30	50	85	100
HP = Standard	Max Traction Load (N)	1425	2135	3085	4750	8075	14750	17500
	Breaking Strength (N)	5700	8550	12350	19000	32300	56050	66500
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	785	1175	1570	2615	4450	8130	9645
	Breaking Strength (N)	3140	4710	6285	10475	17805	30900	36665
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HF	Max Traction Load (N)	840	1365	1890	2940	5040	9170	10830
	Breaking Strength (N)	3360	5460	7560	11760	20160	34860	41160
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5
Stainless	Max Traction Load (N)	1190	1785	2580	3970	6745	-	-
	Breaking Strength (N)	4765	7145	10320	15880	26995	-	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	3,8	3,8	-	-

Average values

FLEXION RESISTANCE



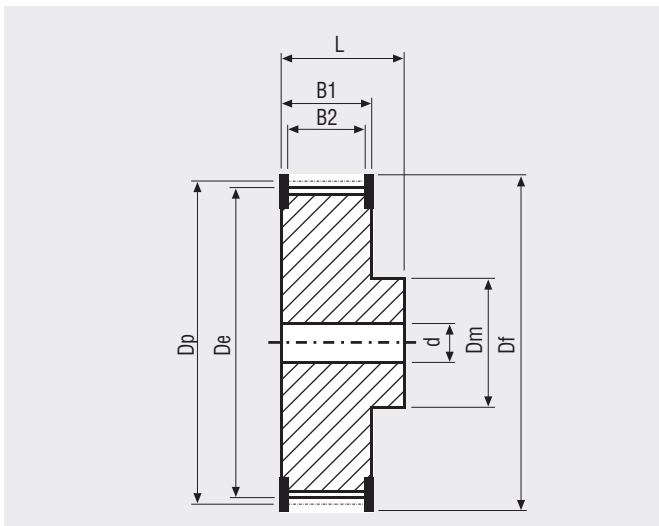
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
HP = Standard	20	22	100	20	50
Kevlar cords	20	22	100	20	50
High Flexibility cords	20	20	80	20	40
Stainless steel cords	24	28	110	24	80

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)



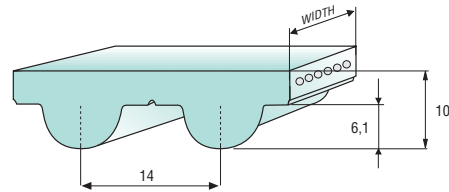
N° Teeth	Dp	De	N° Teeth	Dp	De
20	50,95	49,58	44	112,05	110,67
22	56,02	54,65	48	122,23	120,86
24	61,12	59,75	56	142,60	141,23
26	66,21	64,84	64	162,97	161,60
28	71,30	70,08	72	183,35	181,97
30	76,39	75,13	80	203,72	202,35
32	81,49	80,16	90	229,18	227,81
34	86,58	85,22	112	285,21	283,83
36	91,67	90,30	144	366,69	365,32
38	96,77	95,39	168	427,81	426,44
40	101,86	100,49	192	488,92	487,55

MEGALINEAR MTD14 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	25	40	55	85	100	115
Weight (gr/m)	260	400	555	850	1000	1150

- Standard compound: **white Polyurethane thermoplastic 92 ShA**
- Standard back cover: **none**
- Standard tooth cover: **none**
- Standard cords: **S and Z torsion zinked steel**
- Standard width tolerance: **+/- 1 mm**
- Standard thickness: **10 +/- 0,45 mm**
- Standard length tolerance: **+/- 0,8 mm/m**
- Standard roll length: **100 m**
- Belt options on request with minimum quantity:
 - Nylon fabric back
 - Nylon fabric teeth
 - Antistatic nylon fabric
 - Transparent FDA compound
 - 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)	115	113	111	109	108	106	99	93	88	84	76	69	60	52	46	34	28

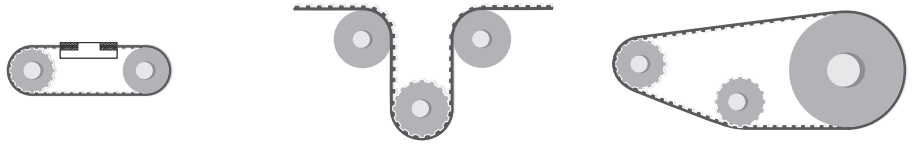
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		25	40	55	85	100	115
Steel	Max Traction Load (N)	5190	8650	12745	20485	24580	30150
	Breaking Strength (N)	20760	34600	48440	77850	93420	105530
	Elongation at MTL (mm/m)	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	5045	8410	12400	19930	23915	29330
	Breaking Strength (N)	20195	33655	47120	75730	90875	102660
	Elongation at MTL (mm/m)	8	8	8	8	8	8

Average values

FLEXION RESISTANCE



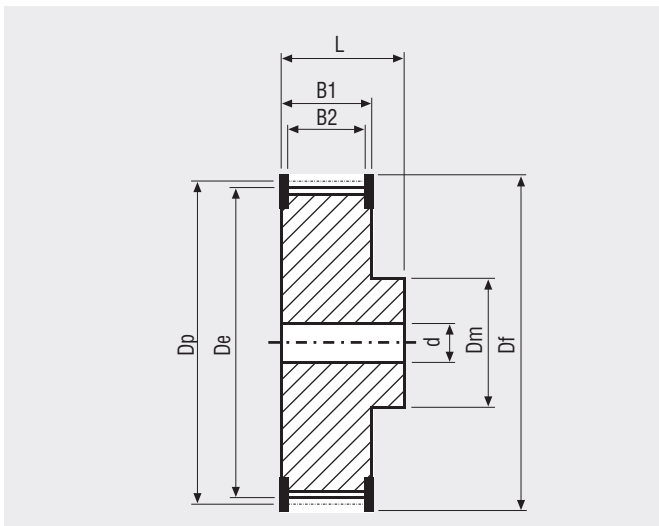
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	26	28	180	26	120
Kevlar cords	26	28	180	26	120

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
26	115,92	113,13	56	249,55	246,76
28	124,78	121,98	64	285,21	282,41
29	129,23	126,44	72	320,86	318,06
30	133,69	130,90	80	356,51	353,71
32	142,60	139,81	90	401,07	398,28
34	151,51	148,72	112	499,11	496,32
36	160,43	157,68	144	641,71	638,92
38	169,34	166,60	168	748,66	745,87
40	178,25	175,49	192	855,62	852,82
44	196,08	193,28	216	962,57	959,76
48	213,90	211,11			