

MEGALINEAR MTD5 OPEN-END

BELT CHARACTERISTICS

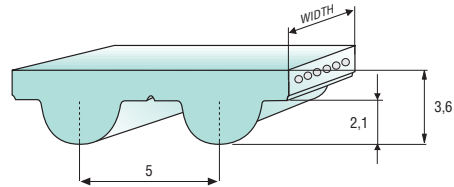
STANDARD WIDTHS (mm)	10	15	25	50
Weight (gr/m)	35	50	80	165

- 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

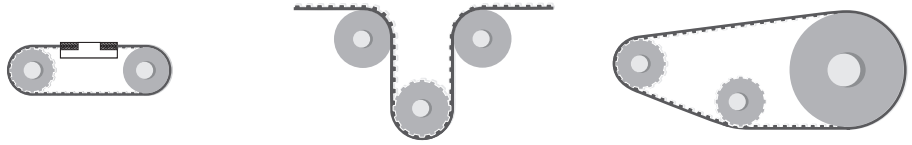
Minimum suggested number of teeth in clamp for linear movement: 7

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



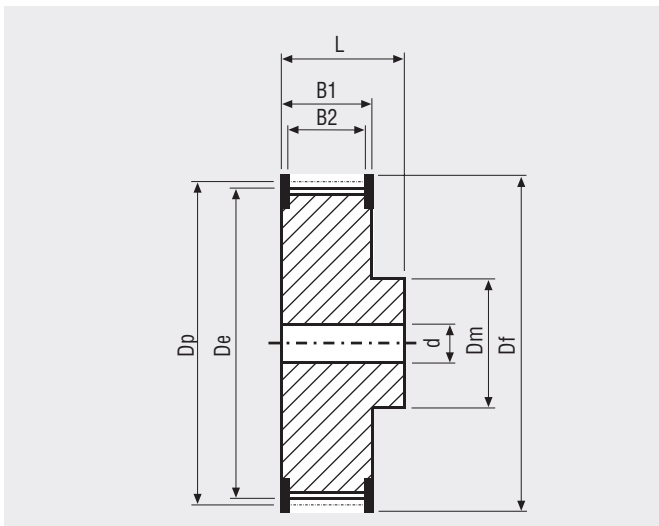
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	16	16	50	16	25
Kevlar cords	16	16	50	16	25
Stainless steel cords	18	20	65	18	65

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

