

MEGALINEAR MTD3 OPEN-END

BELT CHARACTERISTICS

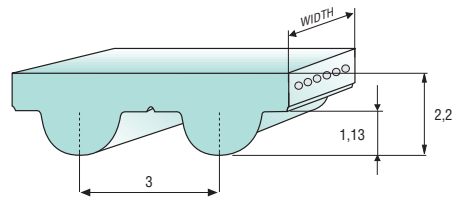
STANDARD WIDTHS (mm)	10	20	25	50
Weight (gr/m)	20	45	60	115

- 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

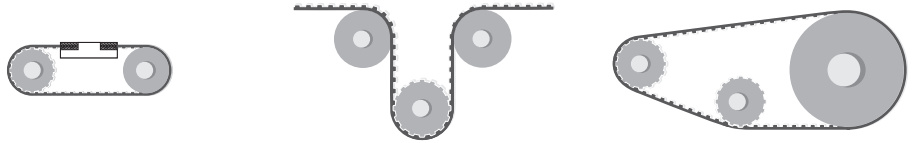
Minimum suggested number of teeth in clamp for linear movement: 7

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



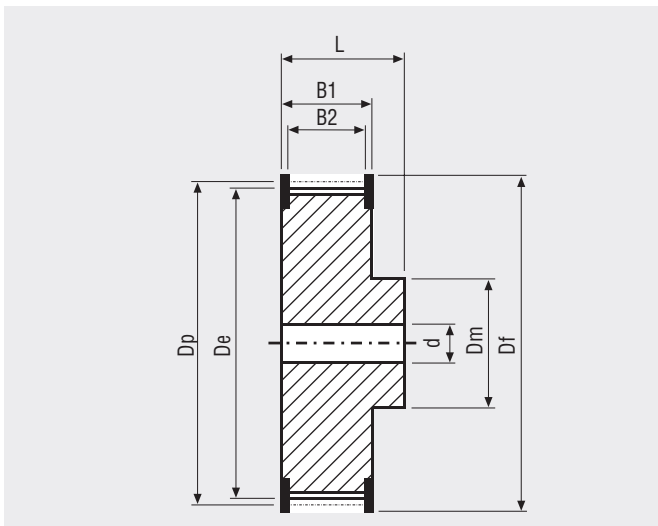
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	20	20	30	20	30

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

