

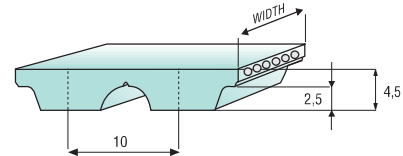
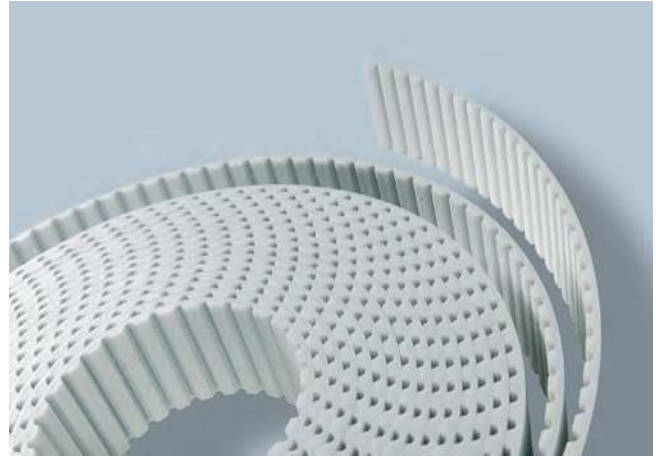
MEGALINEAR AT10 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	16	25	32	50	75	100	150
Weight (gr/m)	90	160	185	290	435	580	890

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: **4,5 +/- 0,3 mm**
 Standard length tolerance: **+/- 0,8 mm/m**
 HP+HPF cord lenght tolerance: **+0/- 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 116
 TOOTH PROFILE ACCORDING ISO 17396

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)	83	80	80	80	78	77	73	69	67	65	58	55	48	44	38	33	30	22

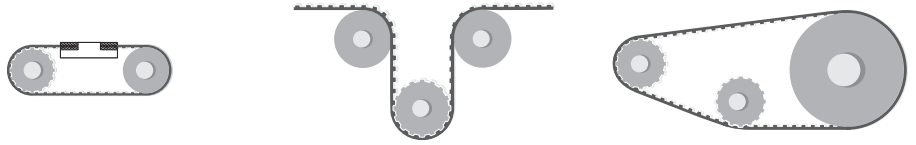
Minimum suggested number of teeth in clamp for linear movement: 7 - HP/HPF cords minimum suggested number of teeth in clamp 10

TRACTION RESISTANCE

Belt width (mm)		16	25	32	50	75	100	150
Steel	Max Traction Load (N)	2270	4000	5160	8590	13800	18600	30600
	Breaking Strength (N)	9100	16100	20200	34300	50500	70700	105000
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	2105	4215	5620	9135	14800	19980	32940
	Breaking Strength (N)	8435	16870	22495	36555	56240	75920	115290
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HP	Max Traction Load (N)	3460	5190	6920	11245	18210	24580	40530
	Breaking Strength (N)	13840	20760	27680	44980	69200	93420	141860
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
HF	Max Traction Load (N)	2385	4240	5300	9010	14505	19525	31495
	Breaking Strength (N)	9540	16960	21200	36040	55120	74200	110240
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5
HPF	Max Traction Load (N)	3850	5775	7700	12510	20260	27355	45100
	Breaking Strength (N)	15400	23100	30800	50050	77000	103950	157850
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5
Stainless	Max Traction Load (N)	1610	2865	3585	6095	-	-	-
	Breaking Strength (N)	6455	11475	14345	24385	-	-	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	3,8	-	-	-

Average values

FLEXION RESISTANCE



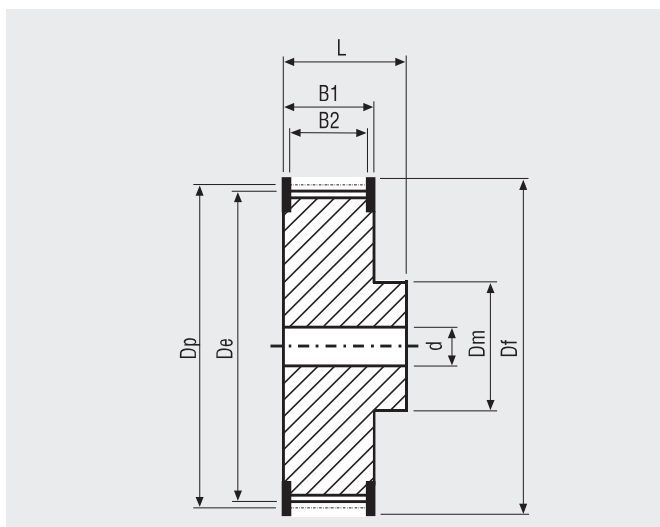
	z_{min}	z_{min}	Idler min dia (mm)	z_{min}	Idler min dia (mm)
Standard steel cords	15	20	120	15	50
Kevlar cords	15	20	120	15	50
High Power cords	25	25	150	25	80
High Flexibility cords	15	20	80	15	50
High Power Flexible cords	16	20	100	16	60
Stainless steel cords	19	25	110	19	110

JOINED BELT INFORMATIONS

- 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 116



PULLEYS (for more details please see our pulleys catalogue)



N° Teeth	Dp	De	N° Teeth	Dp	De
15	47,75	45,90	27	85,94	84,10
16	50,93	49,08	28	89,13	87,28
18	57,30	55,45	30	95,49	93,65
19	60,48	58,63	32	101,86	100,01
20	63,66	61,81	36	114,59	112,74
22	70,03	68,18	40	127,32	125,48
24	76,39	74,55	44	140,06	138,21
25	79,58	77,73	48	152,79	150,94
26	82,76	80,91	60	190,99	189,14