

MEGALINEAR AT20 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	25	32	50	75	100	150	200
Weight (gr/m)	225	310	480	720	960	1425	1935

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: **8 +/- 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

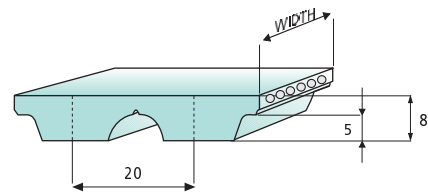
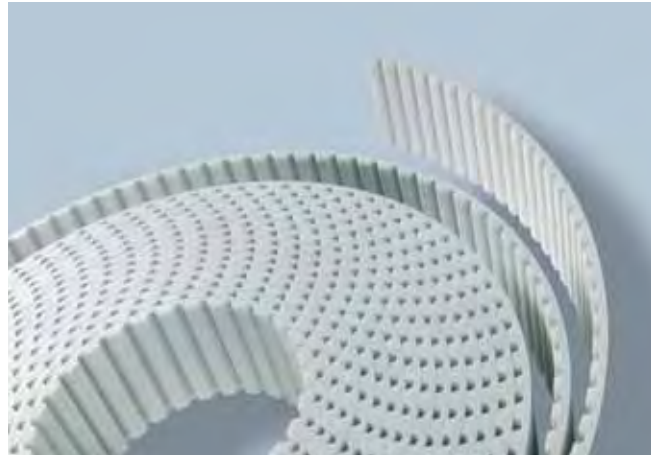
APL

Fishbone

Ribbed

Cleats

Different back coating materials see page 90



TOOTH RESISTANCE

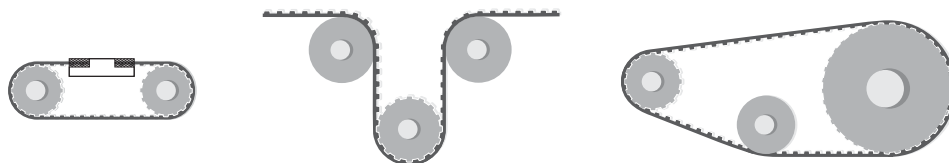
RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000	4000	5000	8000
F _{p spec} (N/cm)	147	144	142	139	137	135	126	119	112	107	97	88	76	67	58	43	35	-

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

TRACTION RESISTANCE

	Belt width (mm)	25	32	50	75	100	150	200
Steel	Max Traction Load (N)	4930	6570	10680	17300	23355	38500	48835
	Breaking Strength (N)	19720	26295	42730	65740	88745	134765	170920
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	4215	5620	9135	14800	19980	32940	41775
	Breaking Strength (N)	16870	22495	36555	56240	75920	115290	146220
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HP	Max Traction Load (N)	-	9880	15200	24000	32000	53850	71220
	Breaking Strength (N)	-	39520	60800	91200	121600	188480	249280
	Elongation at MTL (mm/m)	-	5	5	5	5	5	5
HF	Max Traction Load (N)	5485	7315	11885	19250	25985	42845	54340
	Breaking Strength (N)	21945	29260	47545	73150	98750	149955	190190
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5
Average values								

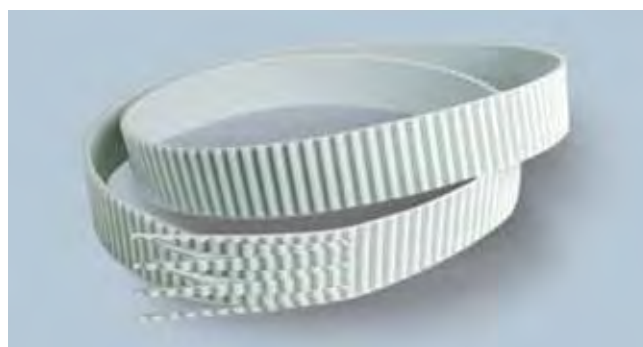
FLEXION RESISTANCE



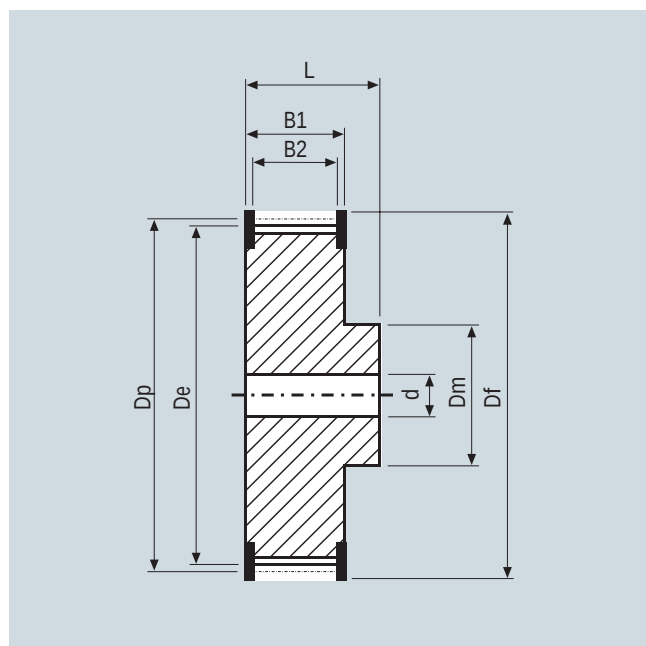
	Z min	Z min	Idler min dia (mm)	Z min	Idler min dia (mm)
Standard steel cords	18	25	180	18	120
Kevlar cords	18	25	180	18	120
High Power cords	25	25	250	25	160
High Flexibility cords	18	25	150	18	120

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 90



PULLEYS (for more details please see our pulleys catalogue)



NP Teeth	Dp	De	NP Teeth	Dp	De
18	114,59	111,73	32	203,72	200,86
20	127,32	124,47	36	229,18	226,33
22	140,06	137,20	40	254,65	251,80
24	152,79	149,93	48	305,58	302,73
25	159,15	156,30	60	381,97	379,12
30	190,99	188,13			