

MEGALINEAR AT3 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: **+/- 0,5 mm**

Standard thickness: **1,9 +/- 0,1 mm**

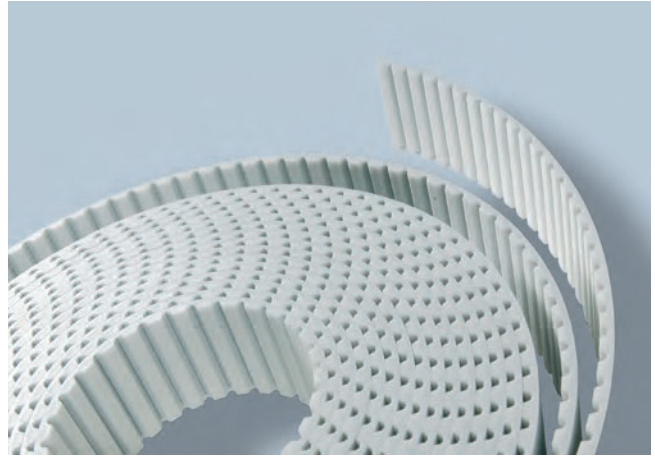
Standard length tolerance: **+/- 0,5 mm/m**

Standard roll length: **100 m**

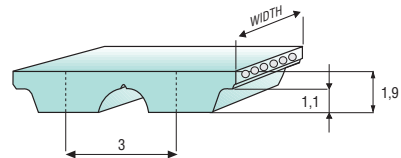
Belt options on request with minimum quantity:

- Nylon fabric back
- Nylon fabric teeth
- Antistatic nylon fabric

Different back coating materials see page 120



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)	24	24	24	23	23	23	22	21	21	20	19	18	16	15	14	13	12	10

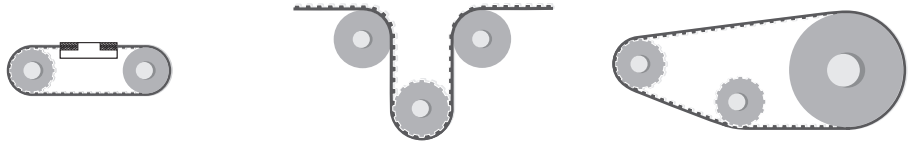
Minimum suggested number of teeth in clamp for linear movement: 7

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



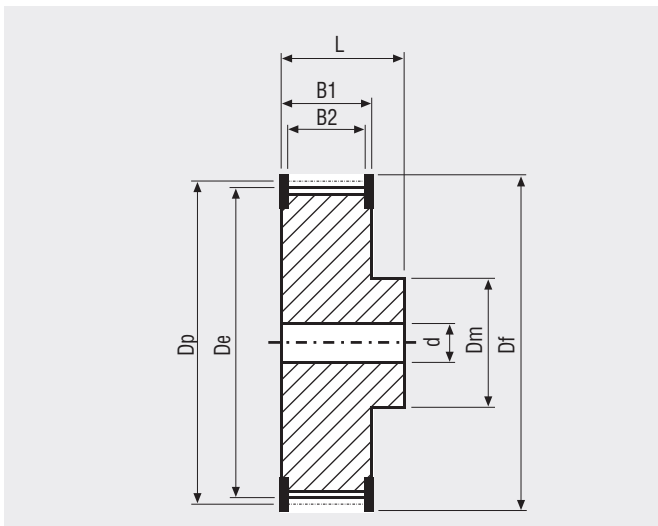
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	20	25	30	20	30

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)



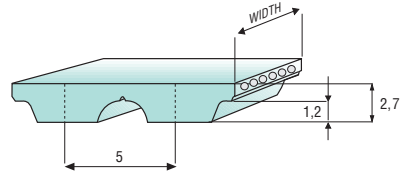
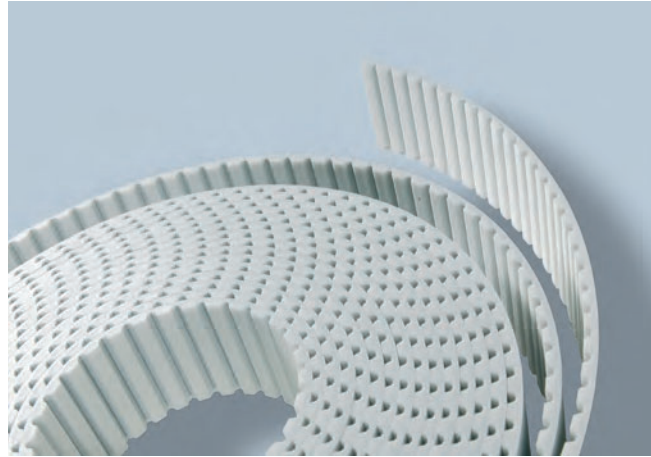
N° Teeth	Dp	De	N° Teeth	Dp	De
20	19,10	18,69	36	34,39	33,97
22	21,01	20,6	40	38,21	37,79
24	22,92	22,51	44	42,03	41,61
25	23,88	23,46	45	42,99	42,56
27	25,79	25,37	48	45,85	45,43
30	28,66	28,24	60	57,32	58,69
32	30,57	30,15	72	68,78	68,34

MEGALINEAR AT5 OPEN-END

BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	6	10	16	25	32	50	75	100
Weight (gr/m)	20	35	50	80	105	165	245	340

- 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: **2,7 +/- 0,2 mm**
- Standard length tolerance: **+/- 0,8 mm/m**
- HP+HPF cord length 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
 - Cleats



Different back coating materials see page 120

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)	35	35	35	34	34	34	32	31	30	29	27	26	24	22	19	18	16	13

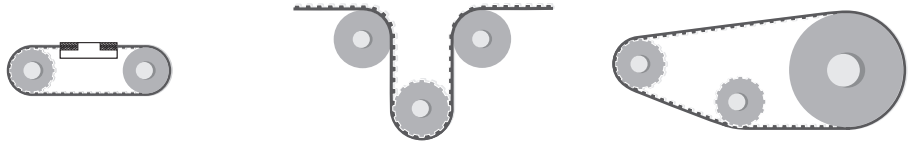
Minimum suggested number of teeth in clamp for linear movement: 7 - HP/HPF cords minimum suggested number of teeth in clamp 10

TRACTION RESISTANCE

	Belt width (mm)	6	10	16	25	32	50	75	100
Steel	Max Traction Load (N)	400	670	1070	1805	2275	3750	5145	6910
	Breaking Strength (N)	1605	2680	4285	7235	9110	15005	19560	26260
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	490	820	1315	2225	2800	4615	6335	8505
	Breaking Strength (N)	1975	3295	5275	8900	11210	18465	24075	32320
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8	8
HP	Max Traction Load (N)	-	840	1470	2415	3045	5040	-	-
	Breaking Strength (N)	-	3360	5880	9660	12180	20160	-	-
	Elongation at MTL (mm/m)	-	4	4	4	4	4	-	-
HF	Max Traction Load (N)	-	685	1100	1855	2335	3850	-	-
	Breaking Strength (N)	-	2750	4400	7425	9350	15400	-	-
	Elongation at MTL (mm/m)	-	5	5	5	5	5	-	-
HPF	Max Traction Load (N)	-	880	1540	2530	3190	5280	-	-
	Breaking Strength (N)	-	3520	6160	10120	12760	21120	-	-
	Elongation at MTL (mm/m)	-	5	5	5	5	5	-	-
Stainless	Max Traction Load (N)	350	590	940	1590	-	-	-	-
	Breaking Strength (N)	1415	2360	3775	6370	-	-	-	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	3,8	-	-	-	-

Average values

FLEXION RESISTANCE



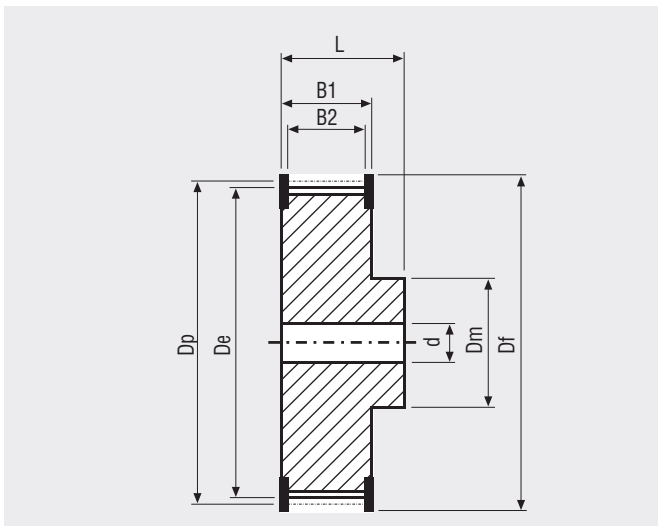
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	15	15	60	15	25
Kevlar cords	15	25	60	15	25
High Power cords	25	25	60	25	40
High Flexibility cords	12	13	40	12	25
High Power Flexible cords	20	24	40	20	40
Stainless steel cords	15	18	65	15	60

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)



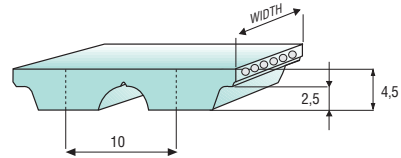
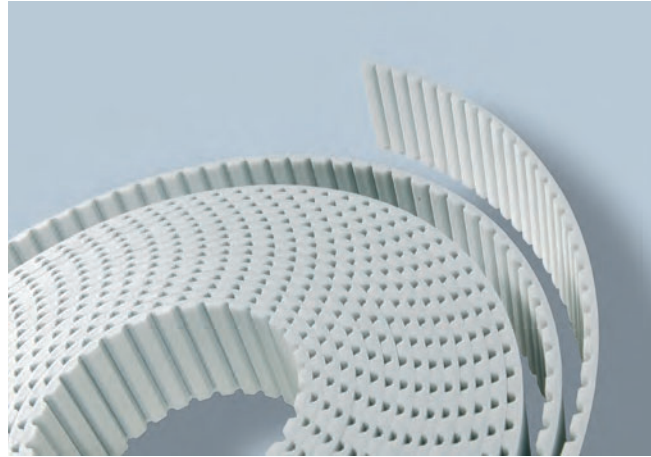
N° Teeth	Dp	De	N° Teeth	Dp	De
15	23,87	22,64	28	44,56	43,33
16	25,46	24,24	30	47,75	46,52
18	28,65	27,42	32	50,93	49,70
19	30,24	29,01	36	57,30	56,07
20	31,83	30,60	40	63,66	62,43
22	35,01	33,79	42	66,85	65,62
24	38,20	36,97	44	70,03	68,80
25	39,79	38,56	48	76,39	75,17
26	41,38	40,15	60	95,49	94,27
27	42,97	41,74			

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 120
 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

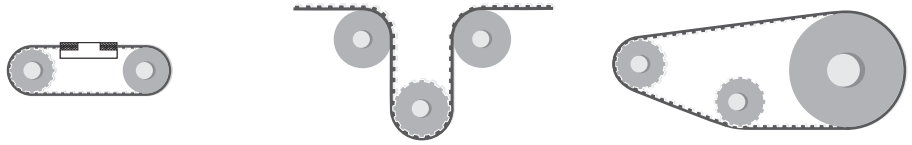
Minimum suggested number of teeth in clamp for linear movement: 7 - HP/HPF cords minimum suggested number of teeth in clamp 10

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	52500	70700	105000
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	2945	5045	6730	10935	17715	23915	39425
	Breaking Strength (N)	11780	20195	26925	43755	67315	90875	138000
	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 b	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)	1785	3175	3970	6745	-	-	-
	Breaking Strength (N)	7145	12700	15880	26995	-	-	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	3,8	-	-	-

Average values

FLEXION RESISTANCE



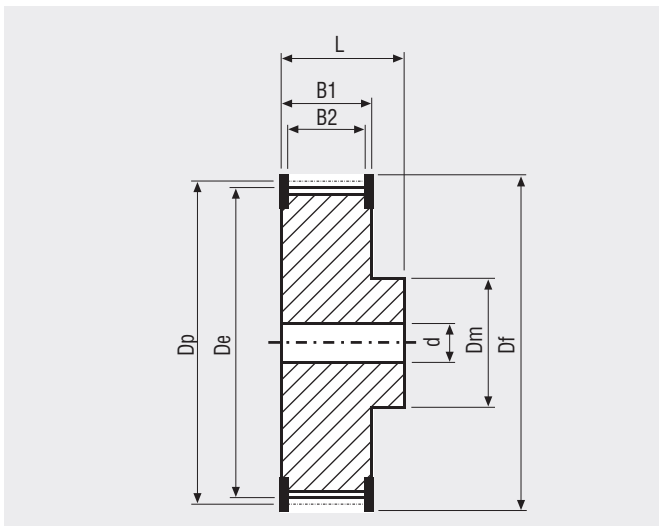
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	15	20	120	15	50
Kevlar cords	15	20	120	15	50
High Power cords	25	25	150	25	80
High Flexibility cords	15	20	80	15	50
High Power Flexible cords	16	20	100	16	60
Stainless steel cords	19	25	110	19	110

JOINED BELT 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)



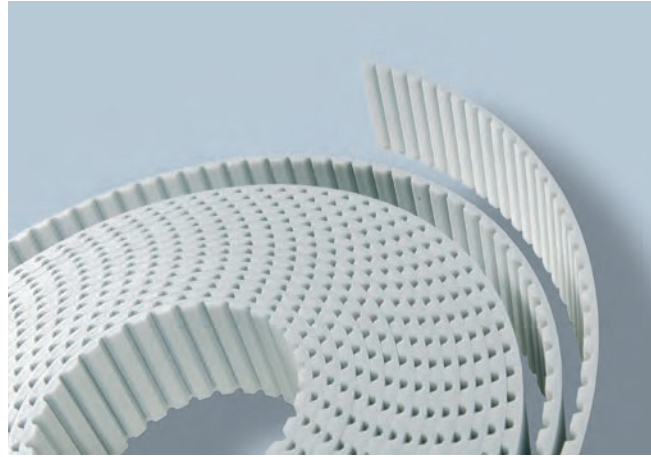
N° Teeth	Dp	De	N° Teeth	Dp	De
15	47,75	45,90	27	85,94	84,10
16	50,93	49,08	28	89,13	87,28
18	57,30	55,45	30	95,49	93,65
19	60,48	58,63	32	101,86	100,01
20	63,66	61,81	36	114,59	112,74
22	70,03	68,18	40	127,32	125,48
24	76,39	74,55	44	140,06	138,21
25	79,58	77,73	48	152,79	150,94
26	82,76	80,91	60	190,99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

MEGALINEAR AT10 WITHOUT GAP OPEN-END

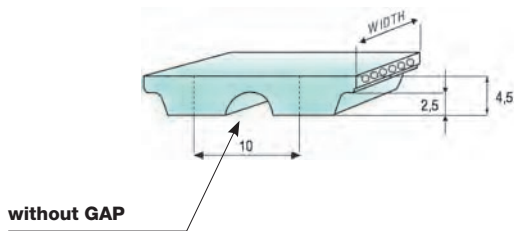
BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	25	32	50	75	100
Weight (gr/m)	160	205	320	480	640

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**
 Standard roll length: **100 m**



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)	74	72	71	71	70	69	65	62	60	58	53	50	44	40	35	30	27	20

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

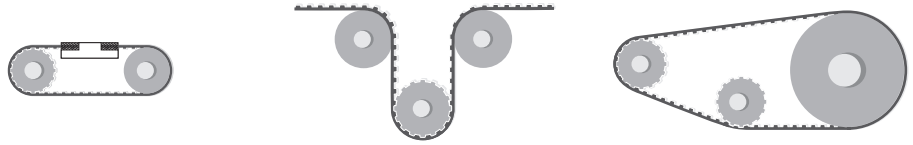
TRACTION RESISTANCE

Belt width (mm)		25	32	50	75	100
Steel	Max Traction Load (N)	3560	4510	7835	12750	17250
	Breaking Strength (N)	14250	18050	31350	48450	65550
	Elongation at MTL (mm/m)	4	4	4	4	4

Average values

MEGALINEAR AT10 WITHOUT GAP OPEN-END

FLEXION RESISTANCE

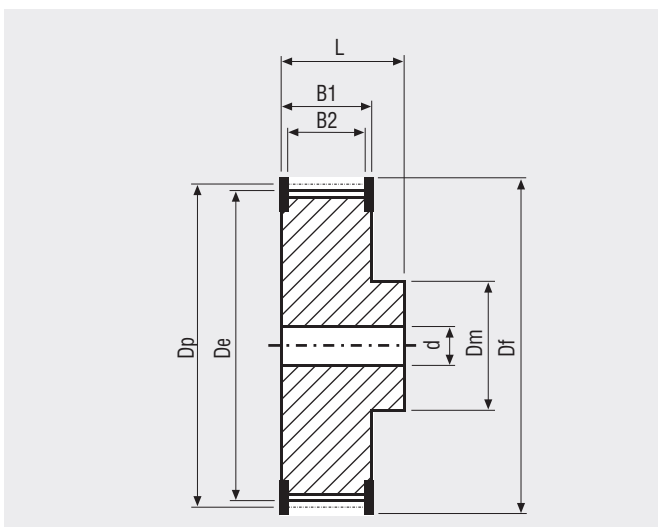


	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	15	20	120	15	50

TYPICAL APPLICATION - CAR WASHING MACHINE



PULLEYS (for more details please see our pulleys catalogue)



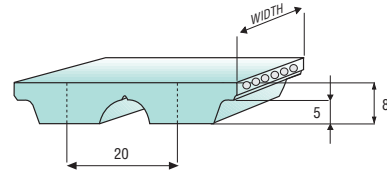
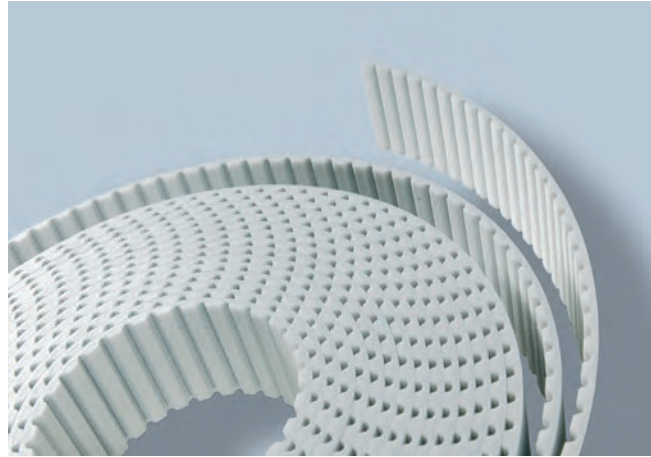
N° Teeth	Dp	De	N° Teeth	Dp	De
15	47,75	45,90	27	85,94	84,10
16	50,93	49,08	28	89,13	87,28
18	57,30	55,45	30	95,49	93,65
19	60,48	58,63	32	101,86	100,01
20	63,66	61,81	36	114,59	112,74
22	70,03	68,18	40	127,32	125,48
24	76,39	74,55	44	140,06	138,21
25	79,58	77,73	48	152,79	150,94
26	82,76	80,91	60	190,99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

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**
- 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 120

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
F _{p spec} (N/cm)	147	144	142	139	137	135	126	119	112	107	97	88	76	67	58	43	35

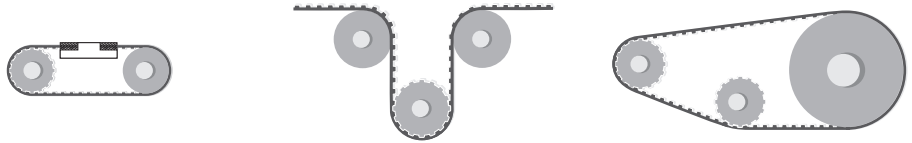
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		25	32	50	75	100	150	200
Steel	Max Traction Load (N)	5190	6920	11245	18210	24580	40530	53380
	Breaking Strength (N)	20760	27680	44980	69200	93420	141860	186840
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	5045	6730	10935	17715	23915	39425	51930
	Breaking Strength (N)	20195	26925	43755	67315	90875	138000	181755
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HP	Max Traction Load (N)	-	10400	16000	25260	34525	56685	74970
	Breaking Strength (N)	-	41600	64000	96000	131200	198400	262400
	Elongation at MTL (mm/m)	-	4	4	4	4	4	4
HF	Max Traction Load (N)	5775	7700	12510	20260	27355	45100	59400
	Breaking Strength (N)	23100	30800	50050	77000	103950	157850	207900
	Elongation at MTL (mm/m)	5	5	5	5	5	5	5

Average values

FLEXION RESISTANCE



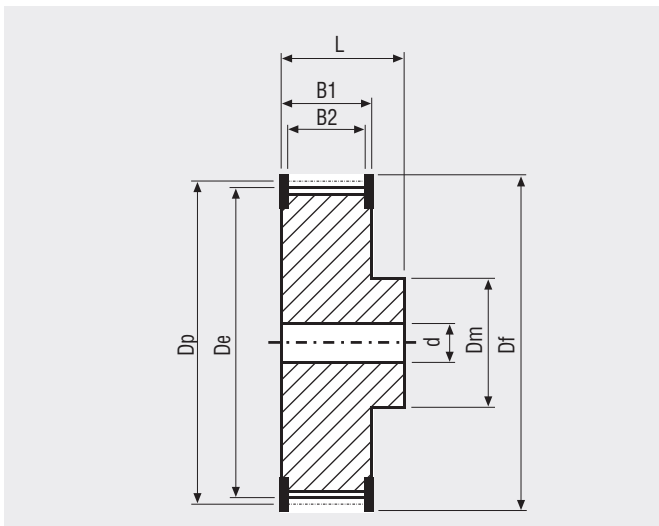
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	18	25	180	18	120
Kevlar cords	18	25	180	18	120
High Power cords	25	25	250	25	160
High Flexibility cords	18	25	150	18	120

JOINED BELT 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
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			