

# MEGALINEAR T5 OPEN-END

## BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	6	10	16	25	32	50	75	100	150
Weight (gr/m)	15	20	35	55	70	105	160	215	330

Standard compound: **white Polyurethane thermoplastic 92 ShA**

Standard back cover: **none**

Standard tooth cover: **none**

Standard cords: **S and Z torsion zinked steel**

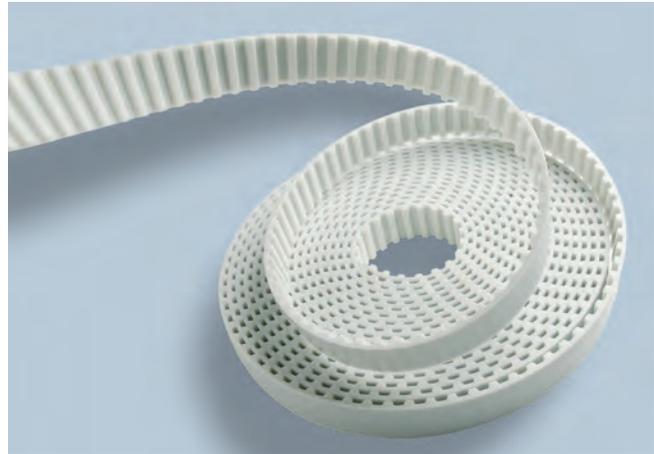
Standard width tolerance: **+/- 0,5 mm**

Standard thickness: **2,2 +/- 0,15 mm**

Standard thickness with NFT-NFB: **2,4 +/- 0,15 mm\***

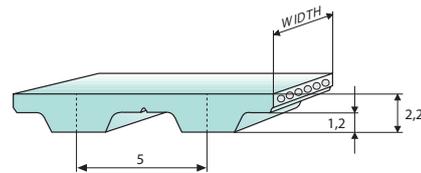
Standard length tolerance: **+/- 0,8 mm/m**

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 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 <sub>p spec</sub> (N/cm)	<b>24</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>20</b>	<b>19</b>	<b>19</b>	<b>18</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>9</b>

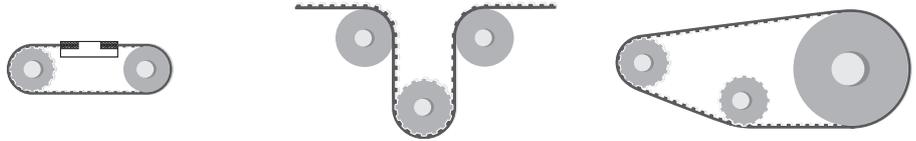
Minimum suggested number of teeth in clamp for linear movement: 7

## TRACTION RESISTANCE

Belt width (mm)		6	10	16	25	32	50	75	100	150
Steel	Max Traction Load (N)	185	375	500	840	1060	1750	2400	3220	3640
	Breaking Strength (N)	750	1500	2000	3375	4250	7000	9125	12250	12750
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	490	985	1315	2225	2800	4615	6335	8505	9610
	Breaking Strength (N)	1975	3955	5275	8900	11210	18465	24075	32320	33635
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8	8	8
HP	Max Traction Load (N)	-	585	780	1315	1655	2730	3745	5025	-
	Breaking Strength (N)	-	2340	3120	5265	6630	10920	14235	19110	-
	Elongation at MTL (mm/m)	-	4	4	4	4	4	4	4	-
HF	Max Traction Load (N)	-	490	655	1105	1390	2295	3150	4225	-
	Breaking Strength (N)	-	1965	2620	4425	5575	9180	11970	16070	-
	Elongation at MTL (mm/m)	-	5	5	5	5	5	5	5	-
Stainless	Max Traction Load (N)	155	305	410	695	-	-	-	-	-
	Breaking Strength (N)	615	1235	1645	2780	-	-	-	-	-
	Elongation at MTL (mm/m)	3,8	3,8	3,8	3,8	-	-	-	-	-

Average values

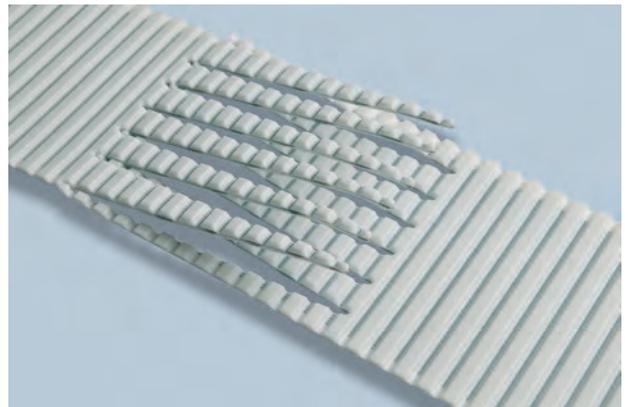
## FLEXION RESISTANCE



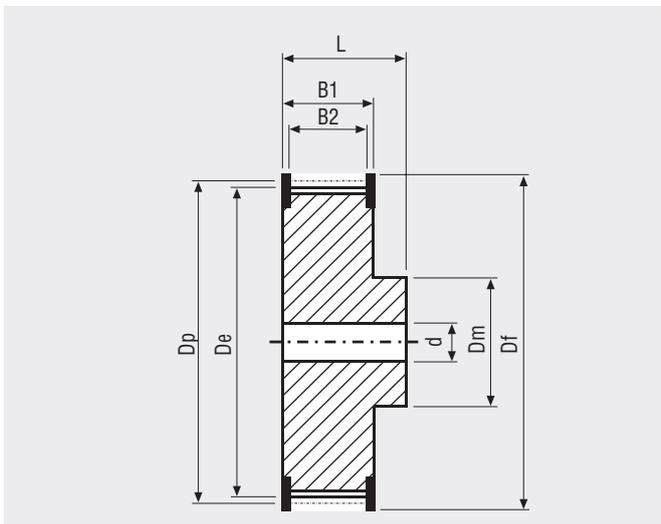
	$Z_{min}$	$Z_{min}$	Idler min dia (mm)	$Z_{min}$	Idler min dia (mm)
Standard steel cords	10	15	30	10	30
Kevlar cords	12	15	30	12	30
High Power cords	15	15	40	15	60
High Flexibility cords	10	12	30	10	30
Stainless steel cords	15	18	40	15	40

## 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
10	15,92	15,09	25	39,79	38,96
12	19,10	18,27	28	44,56	43,73
14	22,28	21,45	30	47,75	46,92
15	23,87	23,04	32	50,93	50,10
16	25,46	24,64	36	57,30	56,47
18	28,65	27,82	40	63,66	62,93
19	30,24	29,41	42	66,85	66,02
20	31,83	31,00	44	70,03	69,20
22	35,01	34,19	48	76,39	75,57
24	38,20	37,37	60	95,49	94,67

# MEGALINEAR T5 WIDE OPEN-END

## BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	250	500
Weight (gr/m)	500	1000

Standard compound: **transparent Polyurethane thermoplastic 90 ShA**

Standard back cover: **none**

Standard tooth cover: **none**

Standard cords: **S and Z torsion Kevlar at pitch 3,5 mm**

Standard width tolerance: **+/- 2 mm**

Standard thickness: **2,2 +/- 0,15 mm**

Standard length tolerance: **+/- 0,8 mm/m**

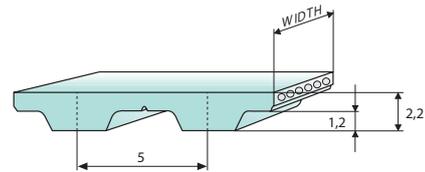
Standard roll length: **100 m**

Belt options on request with minimum quantity:

- Nylon fabric back
- Nylon fabric teeth
- Transparent FDA compound



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## TOOTH RESISTANCE

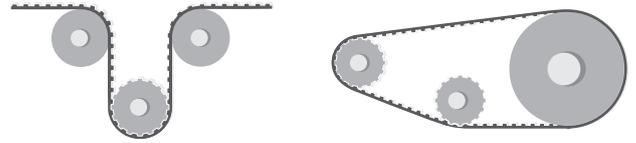
RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750	1000
F <sub>p spec</sub> (N/cm)	<b>17</b>	<b>16</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>12</b>	<b>11</b>

## TRACTION RESISTANCE

Belt width (mm)		250	500
Kevlar	Max Traction Load (N)	6595	13190
	Breaking Strength (N)	23085	46170
	Elongation at MTL (mm/m)	8	8

Average values

## FLEXION RESISTANCE



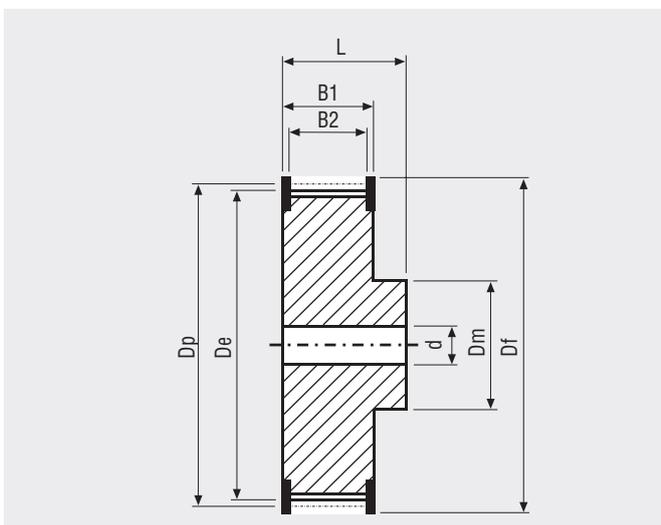
	$Z_{min}$	Idler min dia (mm)	$Z_{min}$	Idler min dia (mm)
Kevlar cords	15	45	12	45

## JOINED BELT INFORMATION

- 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



## PULLEYS (for more details please see our pulleys catalogue)



N° Teeth	Dp	De	N° Teeth	Dp	De
10	15,92	15,09	25	39,79	38,96
12	19,10	18,275	28	44,56	43,73
14	22,28	21,45	30	47,75	46,92
15	23,87	23,04	32	50,93	50,10
16	25,46	24,64	36	57,30	56,47
18	28,65	27,82	40	63,66	62,93
19	30,24	29,41	42	66,85	66,02
20	31,83	31,00	44	70,03	69,20
22	35,01	34,19	48	76,39	75,57
24	38,20	37,37	60	95,49	94,67

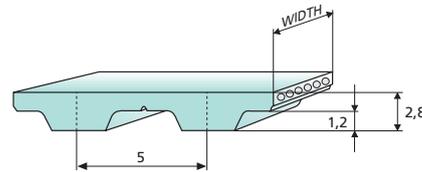
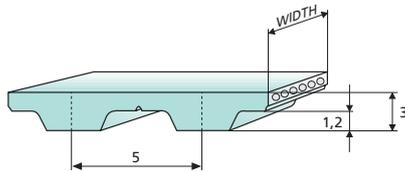
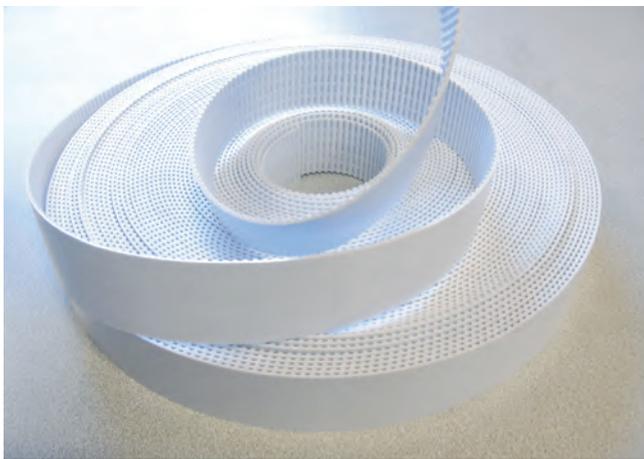
# MEGALINEAR TT5 FOR KNITTING MACHINE

## BELT CHARACTERISTICS

<b>STANDARD WIDTHS (mm)</b>	<b>10</b>
Weight (gr/m)	20

Standard compound: **white Polyurethane thermoplastic 88 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 + 0,2/- 0,1 mm**  
 Standard length tolerance: **+/- 0,8 mm/m**  
 Standard roll length: **100 m**

Standard compound: **blue Polyurethane thermoplastic 88 ShA**  
 Standard back cover: **none**  
 Standard tooth cover: **none**  
 Standard cords: **S and Z torsion kevlar**  
 Standard width tolerance: **+/- 0,5 mm**  
 Standard thickness: **2,8 +/- 0,15 mm**  
 Standard length tolerance: **+/- 0,8 mm/m**  
 Standard roll length: **100 m**



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## TOOTH RESISTANCE

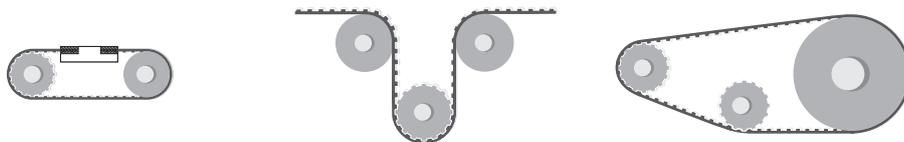
RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750	1000	1500	2000	3000	4000	5000	8000
F <sub>p spec</sub> (N/cm)	<b>24</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>20</b>	<b>19</b>	<b>19</b>	<b>18</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>9</b>

## TRACTION RESISTANCE

<b>Belt width (mm)</b>	<b>10</b>	
Steel	Max Traction Load (N)	375
	Breaking Strength (N)	1500
	Elongation at MTL (mm/m)	4
Kevlar	Max Traction Load (N)	795
	Breaking Strength (N)	3190
	Elongation at MTL (mm/m)	8

Average values

## FLEXION RESISTANCE



	$Z_{min}$	$Z_{min}$	Idler min dia (mm)	$Z_{min}$	Idler min dia (mm)
Standard steel cords	10	15	30	10	30
Kevlar cords	12	15	30	12	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

