

MEGALINEAR QST5 OPEN-END

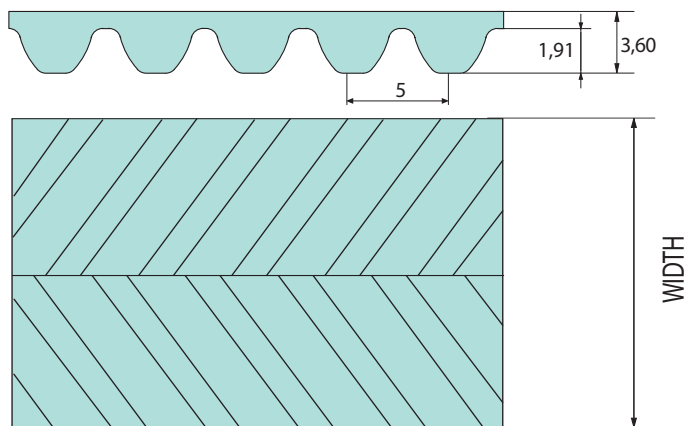
BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	12	24
Weight (gr/m)	60	120

- Standard compound: **white Polyurethane thermoplastic 92 ShA**
- Standard back cover: **none**
- Standard tooth cover: **nylon fabric (NFT)**
- Standard cords: **S and Z torsion zinked steel**
- Standard width tolerance: **-/+ 0,5 mm**
- Standard length tolerance: **-/+ 0,5 mm/m**
- Standard roll length: **100 m**
- Standard thickness tolerance: **-/+ 0,2**



Different back coating materials see page 120
Please ask the feasibility to customer service or OEM team.



TOOTH RESISTANCE

RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750
$F_{p\ spec}$ (N/cm)	38	37	37	36	36	35	34	33	32	31	30
RPM (1/min)	1000	1250	1500	1750	2000	2500	3000	3500	4000	5000	8000
$F_{p\ spec}$ (N/cm)	28	27	26	25	24	22	21	19	19	17	11

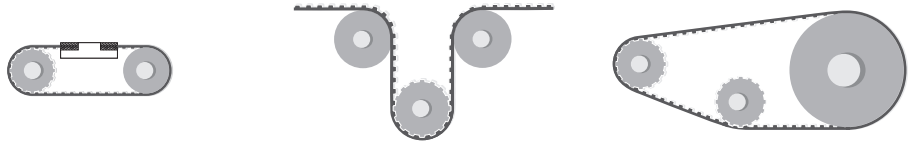
Minimum suggested number of teeth in clamp for linear movement: 7

TRACTION RESISTANCE

Belt width (mm)		12	24
Steel	Max Traction Load (N)	1135	2497
	Breaking Strength (N)	4200	9240
	Elongation at MTL (mm/m)	4	4

Average values

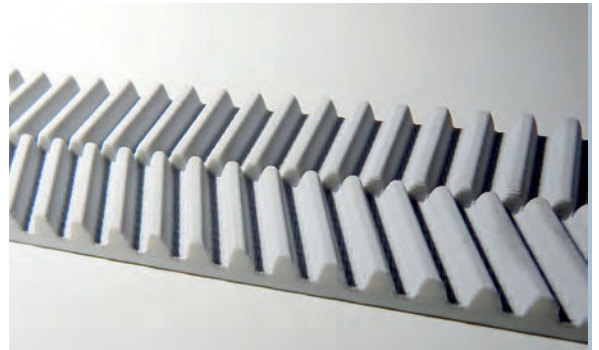
FLEXION RESISTANCE



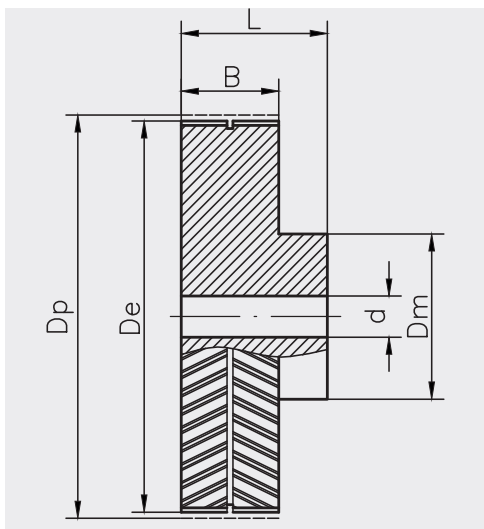
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	16	25	60	16	30

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, NFB, and AVAFC can be joined too
- Minimum diameters according above table
- For coated belts, minimum diameters on page 120



PULLEYS



N° Teeth	Dp	De	N° Teeth	Dp	De
16	25,46	24,32	30	47,75	46,60
18	28,65	27,50	32	50,93	49,79
20	31,83	30,69	36	57,30	56,15
21	33,42	32,28	40	63,66	62,52
22	35,01	33,87	44	70,03	68,89
24	38,20	37,05	48	76,39	75,25
26	41,38	40,24	60	95,49	94,35
28	44,56	43,42	72	114,59	113,45

MEGALINEAR QST8 OPEN-END

BELT CHARACTERISTICS

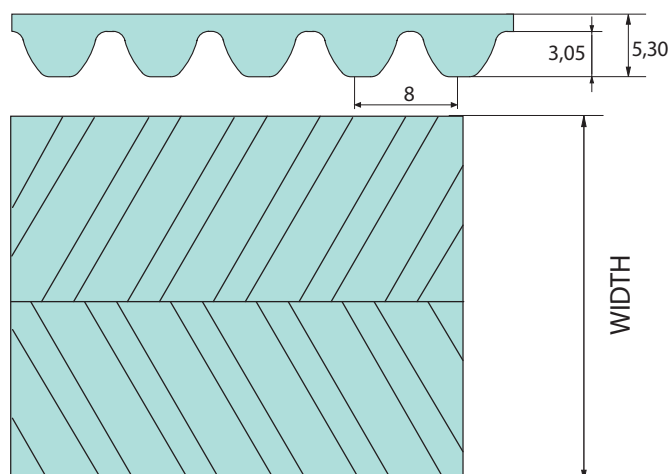
STANDARD WIDTHS (mm)	16	25	32	50
Weight (gr/m)	85	145	180	300

Standard compound: **white Polyurethane thermoplastic 92 ShA**
 Standard back cover: **none**
 Standard tooth cover: **nylon fabric (NFT)**
 Standard cords: **S and Z torsion zinked steel**
 Standard width tolerance: **-/+ 0,5 mm**
 Standard length tolerance: **-/+ 0,8 mm/m**
 Standard roll length: **100 m**
 Standard thickness tolerance: **-/+ 0,3**

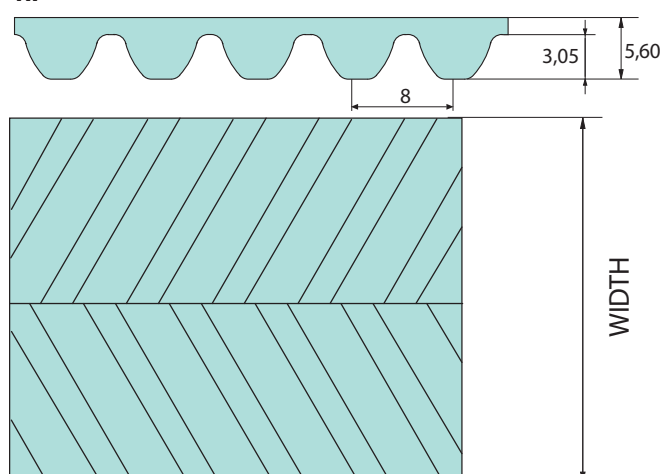


Different back coating materials see page 120
 Please ask the feasibility to customer service or OEM team

Steel cords



HP



TOOTH RESISTANCE

RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750
F _{p spec} (N/cm)	85	83	82	81	80	79	75	71	68	66	61
RPM (1/min)	1000	1250	1500	1750	2000	2500	3000	3500	4000	5000	8000
F _{p spec} (N/cm)	57	54	51	48	46	43	40	37	35	31	23

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

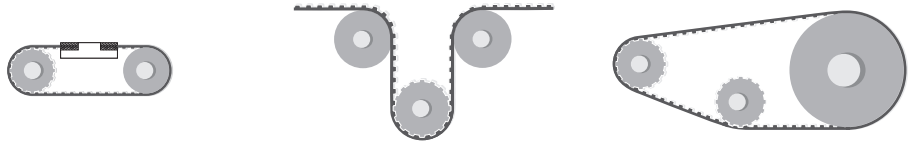
TRACTION RESISTANCE

Belt width (mm)		16	25	32**	50**
Steel	Max Traction Load (N)	2610	4275	5460	8785
	Breaking Strength (N)	10450	17100	21850	35150
	Elongation at MTL (mm/m)	4	4	4	4
HP	Max Traction Load (N)	3740	6545	8415	14025
	Breaking Strength (N)	13840	24220	31140	51900
	Elongation at MTL (mm/m)	4	4	4	4

Average values

**HP VERSION Under construction

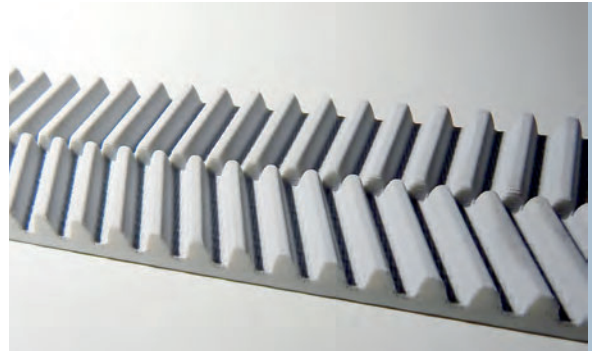
FLEXION RESISTANCE



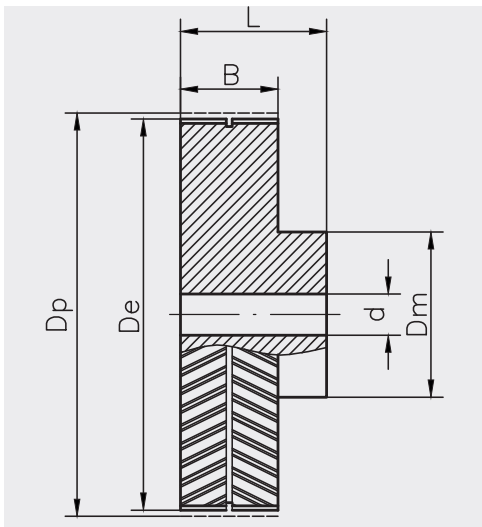
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	20	30	120	20	50
High Power cords	30	32	150	30	80

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, and AVAFC can be joined too
- Minimum diameters according above table
- For coated belts, minimum diameters on page 120



PULLEYS



N° Teeth	Dp	De	N° Teeth	Dp	De
18	45,84	44,47	36	91,68	90,30
22	56,02	54,65	38	96,77	95,40
24	61,12	59,75	40	101,86	100,49
26	66,21	64,84	44	112,05	110,68
28	71,30	69,93	48	122,23	120,86
30	76,40	75,03	52	132,42	131,05
32	81,49	80,12	60	152,79	151,42
34	86,58	85,21			

MEGALINEAR QST14 OPEN-END

BELT CHARACTERISTICS

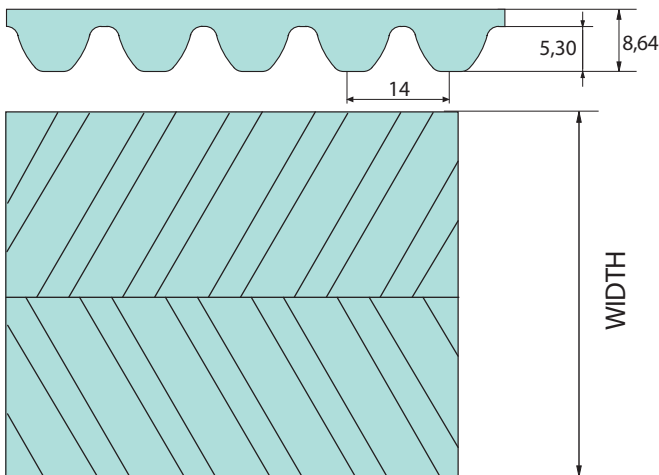
STANDARD WIDTHS (mm)	35	52,5	70	105
Weight (gr/m)	400	600	800	1200

Standard compound: **white Polyurethane thermoplastic 92 ShA**
 Standard back cover: **none**
 Standard tooth cover: **nylon fabric (NFT)**
 Standard cords: **S and Z torsion zinked steel**
 Standard width tolerance: **-/+ 1 mm**
 Standard length tolerance: **-/+ 0,8 mm/m**
 Standard roll length: **100 m**
 Standard thickness tolerance: **-/+ 0,4**

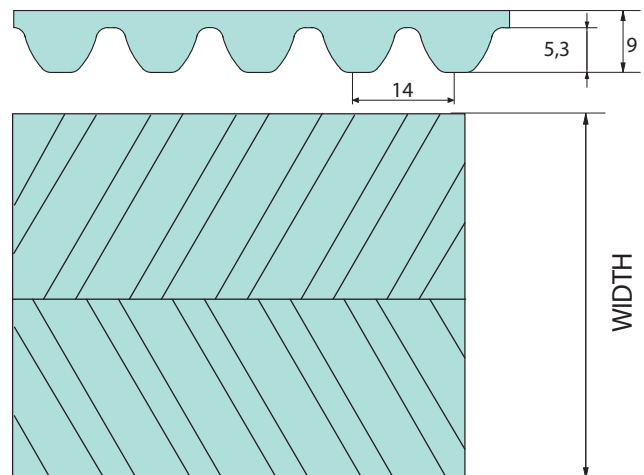


Different back coating materials see page 120
 Please ask the feasibility to customer service or OEM team

Steel cords



XHP cords



TOOTH RESISTANCE

RPM (1/min)	0	20	40	60	80	100	200	300	400	500	750
F _{p spec} (N/cm)	160	157	154	152	149	147	137	130	122	117	105
RPM (1/min)	1000	1250	1500	1750	2000	2500	3000	3500	4000		
F _{p spec} (N/cm)	96	89	83	77	72	64	57	50	47		

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

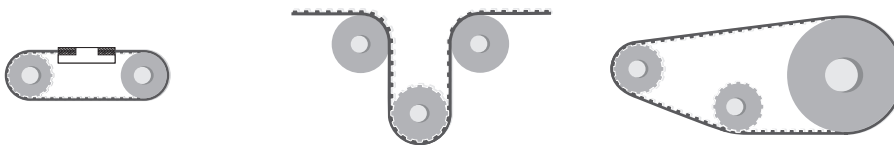
TRACTION RESISTANCE

Belt width (mm)		35	52,5	70**	105**
Steel	Max Traction Load (N)	11200	17680	23575	36210
	Breaking Strength (N)	44800	67200	89600	137600
	Elongation at MTL (mm/m)	4	4	4	4
XHP	Max Traction Load (N)	15155	26525	34105	53050
	Breaking Strength (N)	57600	100800	129600	201600
	Elongation at MTL (mm/m)	4	4	4	4

Average values

**XHP VERSION Under construction

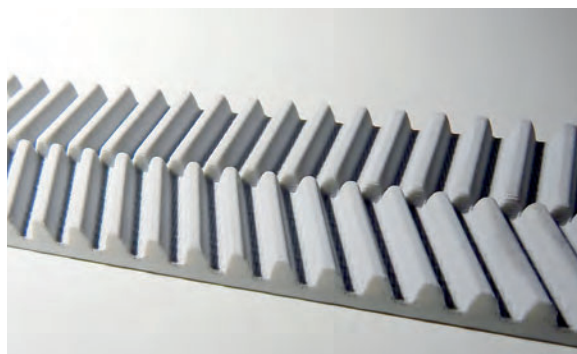
FLEXION RESISTANCE



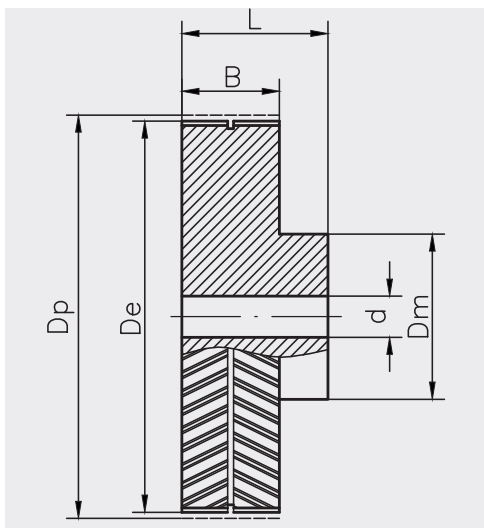
	Z_{min}	Z_{min}	Idler min dia (mm)	Z_{min}	Idler min dia (mm)
Standard steel cords	32	32	200	32	140
Extra high power cords	32	32	200	32	140

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
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- Minimum diameters according above table
- For coated belts, minimum diameters on page 120



PULLEYS



N° Teeth	Dp	De
32	142,61	139,81
34	151,52	148,73
36	160,43	157,64
38	169,35	166,55
40	178,26	175,46
48	213,91	211,12