

# MEGALINEAR RPP8 OPEN-END

## BELT CHARACTERISTICS

STANDARD WIDTHS (mm)	10	15	20	30	50	85	100
Weight (gr/m)	65	100	130	195	330	560	655

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 thickness: **5,4 +/- 0,3 mm**

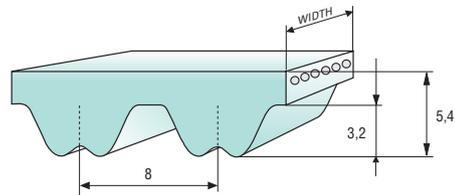
Standard length tolerance: **+/- 0,8 mm/m**

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

Standard roll length: **100 m**

Belt options on request with minimum quantity:

- Nylon fabric back
- Antistatic nylon fabric
- AVAFC 60/70/85 ShA
- APL
- Fishbone
- Ribbed
- Cleats



Different back coating materials see page 120

TOOTH PROFILE ACCORDING ISO 13050

## 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>76</b>	<b>75</b>	<b>74</b>	<b>73</b>	<b>72</b>	<b>71</b>	<b>65</b>	<b>62</b>	<b>60</b>	<b>57</b>	<b>53</b>	<b>50</b>	<b>45</b>	<b>42</b>	<b>38</b>	<b>35</b>	<b>32</b>	<b>25</b>

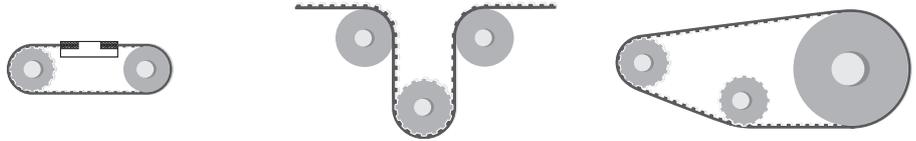
Minimum suggested number of teeth in clamp for linear movement: 7- HP cords minimum suggested number of teeth in clamp 10

## TRACTION RESISTANCE

Belt width (mm)		10	15	20	30	50	85	100
Steel	Max Traction Load (N)	1425	2135	3085	4750	8075	14750	17500
	Breaking Strength (N)	5700	8550	12350	19000	32300	56050	66500
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4
Kevlar	Max Traction Load (N)	1185	1780	2570	3955	6725	12285	14580
	Breaking Strength (N)	4745	7120	10285	15830	26910	46695	55405
	Elongation at MTL (mm/m)	8	8	8	8	8	8	8
HP	Max Traction Load (N)	2160	3460	4755	7785	12975	24125	27770
	Breaking Strength (N)	8650	13840	19030	31140	51900	91690	105530
	Elongation at MTL (mm/m)	4	4	4	4	4	4	4

Average values

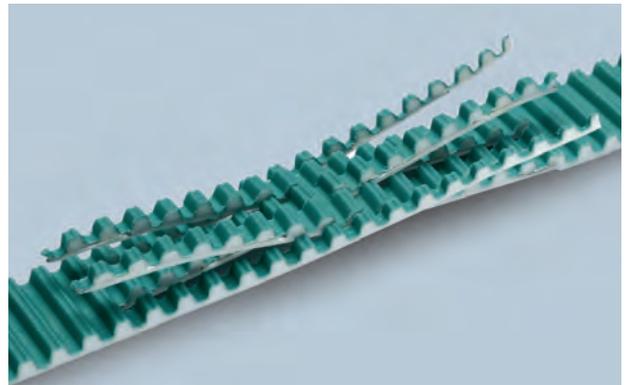
## FLEXION RESISTANCE



	$Z_{min}$	$Z_{min}$	Idler min dia (mm)	$Z_{min}$	Idler min dia (mm)
Standard steel cords	18	20	100	18	45
Kevlar cords	18	20	100	18	45
High power cords	30	34	180	30	60

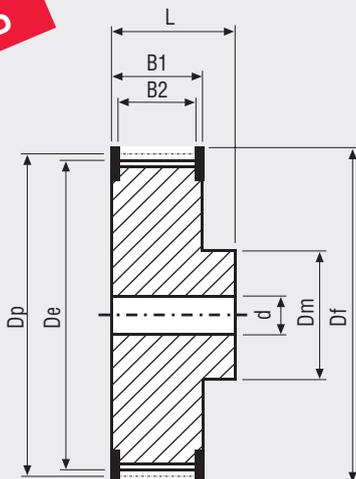
## JOINED BELT INFORMATION

- 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** (HP belts can't work on RPP or MTD standard pulleys, a special profile is required. Please contact Megadyne staff for more information)

**SPECIAL SHAPE IS REQUIRED**



N° Teeth	Dp	De	N° Teeth	Dp	De
18	45,86	44,49	44	112,04	110,67
22	56,02	54,65	48	122,23	120,86
24	61,12	59,74	54	137,51	136,14
26	66,21	64,84	64	162,97	161,60
28	71,30	69,93	72	183,35	181,97
<b>30</b>	76,39	75,02	80	203,72	202,35
<b>32</b>	81,49	80,12	90	229,18	227,81
<b>34</b>	86,58	85,21	112	285,20	283,83
<b>36</b>	91,67	90,30	144	366,69	365,32
<b>38</b>	96,77	95,39	168	427,81	426,44
<b>40</b>	101,86	100,49	192	488,92	487,55