

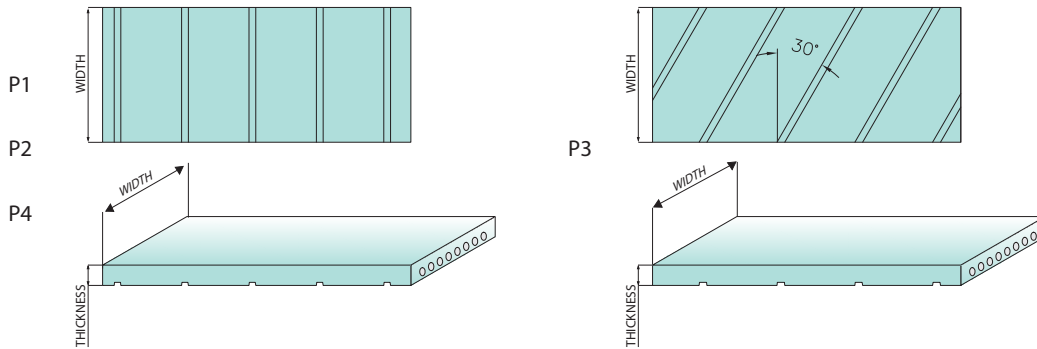
MEGALINEAR



MEGADYNE

MEGALINEAR FLAT OPEN-END

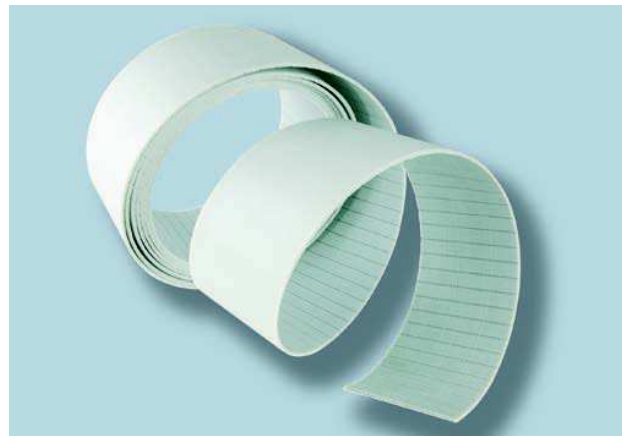
BELT CHARACTERISTICS



	10 P1	20 P1	25 P2	50 P2	75 P2	100 P2
Weight (gr/m)	20	40	135	245	370	490
Polyurethane 92 ShA	blue	blue	white	white	white	white
Width tolerance(mm)	10 +/-0,5	20 +/-0,5	25 +/-0,5	30 +/-0,5	75 +/-0,5	100 +/-0,5
Thickness (mm)	1 +/-0,1	1 +/-0,1	2 +/-0,2	2 +/-0,2	2 +/-0,2	2 +/-0,2
Gap	Straight	Straight	Straight	Straight	Straight	Straight

	30 P3	60 P3	100 P3	120 P3	25 P4	50 P4	100 P4
Weight (gr/m)	213	426	710	852	220	445	890
Polyurethane 92 ShA	black	black	black	black	transparent	transparent	transparent
Width (mm)	30 +/-0,5	60 +/-0,5	100 +/-0,5	120 +/-0,5	25 +/-0,5	50 +/-0,5	100 +/-0,5
Thickness (mm)	3,2 +/-0,2	3,2 +/-0,2	3,2 +/-0,2	3,2 +/-0,2	4+0,4/-0	4+0,4/-0	4+0,4/-0
Gap	Helical	Helical	Helical	Helical	Straight	Straight	Straight

Standard back cover: **none**
 Standard tooth cover: **none**
 Standard cords: **S and Z torsion zinked steel**
 Standard roll length: **100 m**
 Belt options on request with minimum quantity:
 Nylon fabric back
 Nylon fabric teeth
 Antistatic nylon fabric
 No gap
 Silicon free compound
 Special thickness tolerances by grinding (suggested for applications with rolled belts)



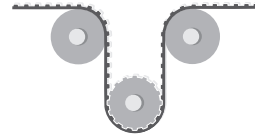
TRACTION RESISTANCE

Belt width (inch)		10 P1	20 P1	25 P2	50 P2	75 P2	100 P2
Steel	Max Traction Load (N)	465	930	3380	7445	11875	16150
	Breaking Strength (N)	1865	3735	13535	29780	45125	61370
	Elongation at MTL (mm/m)	4	4	4	4	4	4
HP	Max Traction Load (N)	-	-	4930	10680	17300	23355
	Breaking Strength (N)	-	-	19720	42730	65740	88745
	Elongation at MTL (mm/m)	-	-	4	4	4	4

Belt width (inch)		30 P3	60 P3	100 P3	120 P3	25 P4	50 P4	100 P4
Steel	Max Traction Load (N)	9120	19200	32000	42560	7600	15200	32000
	Breaking Strength (N)	36480	72960	121600	148960	30400	60800	121600
	Elongation at MTL (mm/m)	4		4	4	4	4	4

MEGALINEAR FLAT OPEN-END

FLEXION RESISTANCE



	Driver pulley min dia (mm)	Driver pulley min dia (mm)	Idler min dia (mm)
Standard steel cords P1	16	25	30
Standard steel cords P2	45	50	90
High Power cords P2	56	62	150
Standard steel cords P3	100	110	150
Standard steel cords P4	100	110	150

FIXING PLATES

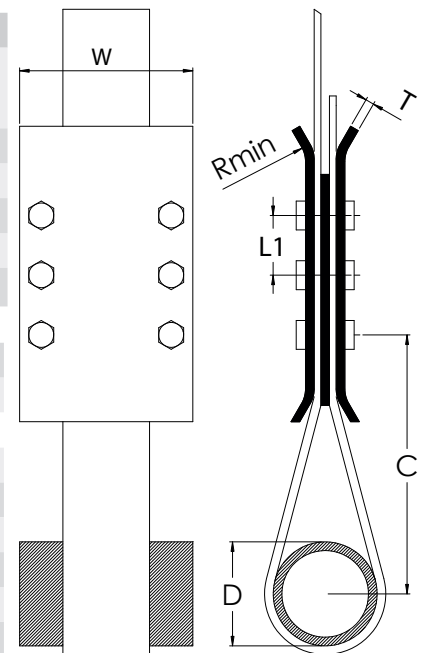
DIMENSION OF THE FIXING PLATES

Belt type	Clamping plates dimensions					Suggested clamping plate width W (mm)								
	L1 (mm)	C (mm)	D (mm)	T (mm)	Rmin (mm)	10	20	25	30	50	60	75	100	120
P1	20	25	16	3	10	20	20	30	-	-	-	-	-	-
P2	25	30	20	3	10	-	-	50	-	75	-	100	-	-
P2 HP	25	30	20	3	10	-	-	50	-	75	-	100	-	-
P3	30	75	50	5	25	-	-	-	60	-	90	-	132	160
P4	30	120	80	7	40	-	-	-	-	75	-	-	125	-

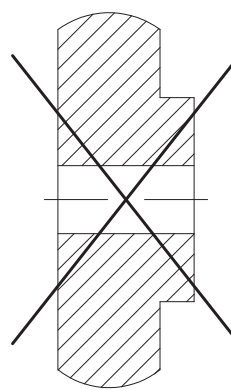
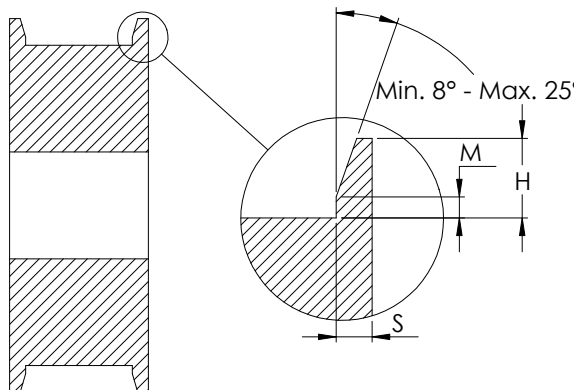
SUGGESTION ABOUT THE FIXING SCREW

Belt type	Kind of screws	Belt width (mm)								
		10	20	25	30	50	60	75	100	120
P1	M5	4	4	-	-	-	-	-	-	-
P2	M6	-	-	4	-	4	-	6	8	-
P2 HP	M6	-	-	4	-	6	-	8	10	-
P3	M8	-	-	-	4	-	6	-	8	12
P4	M10	-	-	4	-	4	-	-	6	-

Belt type	Kind of screws	Suggested number of screws								
		10	20	25	30	50	60	75	100	120
P1	M5	4	4	-	-	-	-	-	-	-
P2	M6	-	-	4	-	4	-	6	8	-
P2 HP	M6	-	-	4	-	6	-	8	10	-
P3	M8	-	-	-	4	-	6	-	8	12
P4	M10	-	-	4	-	4	-	-	6	-



PULLEYS



Suggested material: Aluminium or Zinked steel
Maximum superficial roughness: 1.6 Ra

Flanges according to the table

Belt type	S (mm)	M (mm)	H (mm)
P1	1,5	0,4+0,3/0	2,1+0,25/0
P2	2,3	0,4+0,3/0	2,1+0,25/0
P2 HP	2,3	0,4+0,3/0	2,1+0,25/0
P3	3	0,9+0,5/0	5+0,25/0
P4	3	0,9+0,5/0	5+0,25/0

H: minimum height of flanges
S: minimum thickness of flanges
Rounded corner not quoted R = 0,8 mm

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