

**RPP MEGAPAIN**

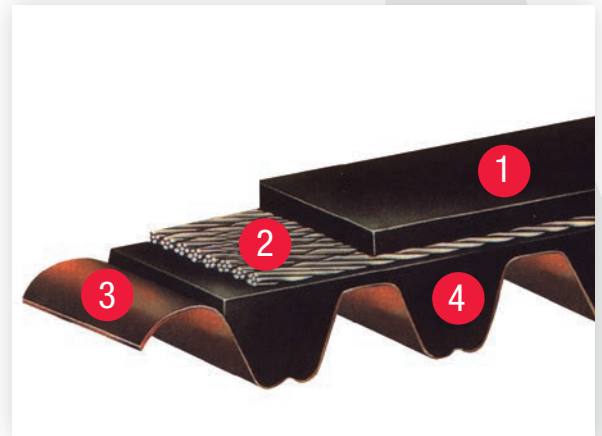


**MEGADYNE**

# RPP MEGAPAIN

Megadyne have developed a new timing belt RPP8 designed for conveyor and transfer lines, specifically for painting systems.

Belts are silicon free and do not contain contaminants, as requested for water or solvent based paints; the purity of materials and the absence of polluting particles guarantee painted surfaces always perfect and without any defect.



## Structure

- Fiberglass cords with high elastic module and a special surface treatment [2];
- Belt body [4] and back [1] made of NBR based compound with an high purity degree and without contaminating agents;
- Fabric on teeth [3] with high wearing resistance, with a nitrilic based treatment to protect the external surface.

## Properties

- Silicon free and without surface impurities and contaminants, according to car manufacturers' standard and test made by Forschungsinstitut für Pigmente und Lacke e.V. of the Stuttgart University;
- High resistance to ozone and adequate resistance to lubricating oils;
- Working temperatures from -20°C up to 100°C;
- No need at all for maintenance and lubrication;
- Performances equivalent to RPP SILVER;
- Complete interchangeability on RPP and HTD pulleys pitch 8M.

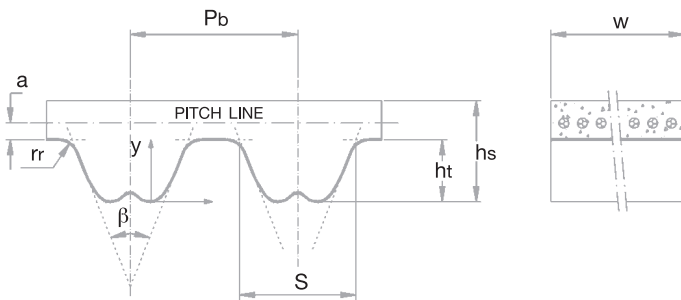
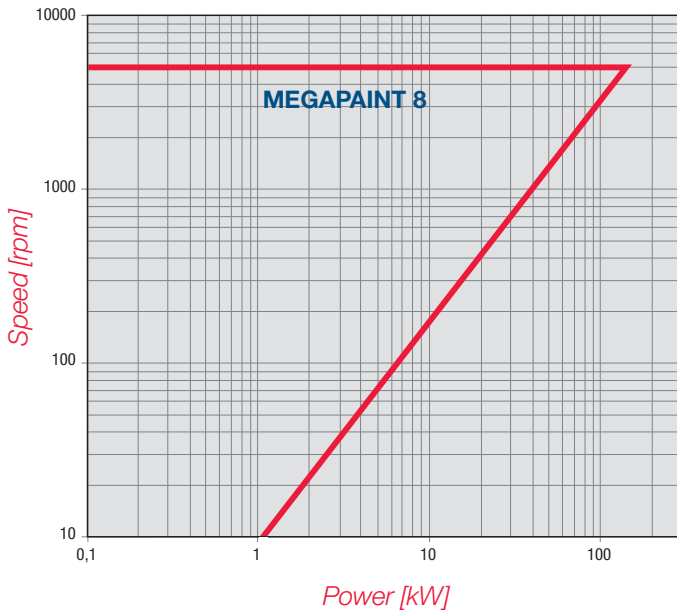


## Range

- MegaPaint are available in the whole RPP8 range, on demand with a minimum order quantity;
- Belts are delivered in a special protecting package in order to guarantee a complete surface purity from the manufacturing to the installation.

# BELT PERFORMANCES

## PERFORMANCE CHART



## BASIC PERFORMANCE FOR PNT8M 20mm WIDE [kW]

Diam [mm]	56,02	61,12	66,21	71,30	76,39	81,49	86,58	91,67	96,77	101,86	112,05	122,23	142,60	162,97	183,3	203,72
Z rpm	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0,07	0,08	0,08	0,09	0,09	0,10	0,11	0,11	0,12	0,13	0,14	0,15	0,18	0,20	0,23	0,25
20	0,14	0,15	0,16	0,18	0,19	0,20	0,21	0,23	0,24	0,25	0,28	0,30	0,35	0,40	0,45	0,50
30	0,21	0,23	0,25	0,26	0,28	0,30	0,32	0,34	0,36	0,38	0,42	0,45	0,53	0,60	0,68	0,76
50	0,35	0,38	0,41	0,44	0,47	0,50	0,53	0,57	0,60	0,63	0,69	0,76	0,88	1,01	1,13	1,26
70	0,48	0,53	0,57	0,62	0,66	0,70	0,75	0,79	0,84	0,88	0,97	1,06	1,23	1,41	1,59	1,76
100	0,68	0,75	0,82	0,88	0,94	1,01	1,07	1,13	1,20	1,26	1,38	1,51	1,76	2,01	2,27	2,52
200	1,14	1,26	1,38	1,50	1,62	1,74	1,86	1,98	2,11	2,23	2,48	2,74	3,26	3,78	4,31	4,85
300	1,55	1,71	1,87	2,03	2,19	2,36	2,52	2,69	2,86	3,03	3,37	3,71	4,41	5,12	5,84	6,58
400	1,92	2,12	2,32	2,52	2,72	2,93	3,13	3,34	3,55	3,76	4,18	4,61	5,47	6,35	7,25	8,16
500	2,27	2,51	2,74	2,98	3,22	3,46	3,70	3,94	4,19	4,44	4,94	5,44	6,47	7,51	8,57	9,64
600	2,61	2,87	3,14	3,41	3,69	3,96	4,24	4,52	4,80	5,09	5,66	6,24	7,41	8,61	9,81	11,04
700	2,92	3,22	3,53	3,83	4,14	4,45	4,76	5,08	5,39	5,71	6,35	7,00	8,32	9,65	11,01	12,38
800	3,23	3,56	3,90	4,23	4,57	4,92	5,26	5,61	5,96	6,31	7,02	7,74	9,19	10,66	12,16	13,67
900	3,53	3,89	4,26	4,62	5,00	5,37	5,75	6,12	6,51	6,89	7,66	8,44	10,03	11,64	13,26	14,91
1000	3,82	4,21	4,61	5,00	5,40	5,81	6,22	6,63	7,04	7,45	8,29	9,13	10,84	12,58	14,34	16,11
1100	4,10	4,52	4,95	5,37	5,80	6,24	6,67	7,11	7,56	8,00	8,90	9,80	11,64	13,50	15,38	17,27
1200	4,38	4,83	5,28	5,73	6,19	6,66	7,12	7,59	8,06	8,54	9,49	10,46	12,41	14,39	16,39	18,40
1300	4,65	5,12	5,60	6,09	6,57	7,06	7,56	8,06	8,56	9,06	10,07	11,09	13,16	15,26	17,37	19,50
1400	4,91	5,42	5,92	6,43	6,95	7,47	7,99	8,51	9,04	9,57	10,64	11,72	13,90	16,10	18,32	20,56
1500	5,17	5,70	6,23	6,77	7,31	7,86	8,41	8,96	9,51	10,07	11,19	12,33	14,61	16,93	19,25	21,59
1600	5,43	5,98	6,54	7,10	7,67	8,24	8,82	9,40	9,98	10,56	11,74	12,92	15,32	17,73	20,16	22,59
1700	5,68	6,26	6,84	7,43	8,02	8,62	9,22	9,83	10,43	11,04	12,27	13,51	16,00	18,52	21,04	23,57
1800	5,93	6,53	7,14	7,75	8,37	8,99	9,62	10,25	10,88	11,52	12,80	14,08	16,67	19,28	21,90	24,52
1900	6,17	6,80	7,43	8,07	8,71	9,36	10,01	10,66	11,32	11,98	13,31	14,64	17,33	20,03	22,74	25,44
2000	6,41	7,06	7,72	8,38	9,05	9,72	10,40	11,07	11,75	12,44	13,81	15,20	17,98	20,76	23,55	26,33
2500	7,56	8,33	9,10	9,88	10,66	11,44	12,23	13,02	13,82	14,61	16,21	17,80	20,99	24,16	27,30	30,38
3000	8,65	9,52	10,40	11,28	12,16	13,05	13,94	14,83	15,72	16,61	18,40	20,17	23,69	27,14	30,49	
3500	9,67	10,64	11,62	12,59	13,57	14,55	15,53	16,51	17,49	18,46	20,40	22,32	26,07	29,69		
4000	10,65	11,71	12,77	13,83	14,90	15,95	17,01	18,06	19,11	20,15	22,21	24,23	28,13			
4500	11,58	12,72	13,86	15,00	16,14	17,26	18,39	19,50	20,60	21,69	23,83	25,91				
5000	12,47	13,68	14,89	16,10	17,29	18,48	19,65	20,81	21,95	23,07	25,26					

For belt and transmission calculation, see "RPP SILVER calculation handbook"

## PITCH AND LENGTH DESIGNATION

Belt Type	Pitch	$\beta$	S	hs	ht	rr	a
8M	8mm	32°	5,5mm	5,4mm	3,2mm	1,00mm	0,686mm

PITCH AND LENGTH DESIGNATION	PITCH LENGTH (mm)	N° OF TEETH	PITCH AND LENGTH DESIGNATION	PITCH LENGTH (mm)	N° OF TEETH	PITCH AND LENGTH DESIGNATION	PITCH LENGTH (mm)	N° OF TEETH
288-PNT8	288	36	720-PNT8	720	90	1464-PNT8	1464	183
320-PNT8	320	40	800-PNT8	800	100	1600-PNT8	1600	200
352-PNT8	352	44	840-PNT8	840	105	1760-PNT8	1760	220
360-PNT8	360	45	880-PNT8	880	110	1800-PNT8	1800	225
384-PNT8	384	48	896-PNT8	896	112	2000-PNT8	2000	250
408-PNT8	408	51	920-PNT8	920	115	2200-PNT8	2200	275
456-PNT8	456	57	960-PNT8	960	120	2400-PNT8	2400	300
480-PNT8	480	60	1000-PNT8	1000	125	2520-PNT8	2520	315
536-PNT8	536	67	1040-PNT8	1040	130	2600-PNT8	2600	325
544-PNT8	544	68	1080-PNT8	1080	135	2800-PNT8	2800	350
560-PNT8	560	70	1120-PNT8	1120	140	3048-PNT8	3048	381
600-PNT8	600	75	1200-PNT8	1200	150	3280-PNT8	3280	410
608-PNT8	608	76	1224-PNT8	1224	153	3600-PNT8	3600	450
632-PNT8	632	79	1280-PNT8	1280	160	4400-PNT8	4400	550
640-PNT8	640	80	1352-PNT8	1352	169			
680-PNT8	680	85	1440-PNT8	1440	180			

Standard widths: 20mm, 30mm, 50mm, 85mm

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Technical specifications, performances and other information provided in the present catalogue are indicative and do not bound Megadyne unless such specifications, performances or other information are expressly agreed in the agreement with the customer.

We also recommend to read carefully the following documents in our web site [www.megadynegroup.com](http://www.megadynegroup.com):

- Megadyne General Conditions of Sale (comprising the warranty)
- Theoretical Belt Life
- Drive Components: Storage, Installation, Maintenance and Troubleshooting Handbook
- Belts standard use condition and temperature.

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