

MEGADYNE ROLLPOWER



www.mak.nl

P.O. Box 462
8200 AL Lelystad
The Netherlands

T +31 (0)320 - 266966
E info@mak.nl



MEGADYNE

Drive Your Business with High Efficiency, Flexibility & Reliability!

Today's logistics facilities are being challenged to run faster and for longer hours before planned maintenance. Megadyne can help extend belt life.

We are pleased to introduce Megadyne Rollpower™ the new elastic ribbed rubber belt designed to outperform other belt types found on roller conveyors used in warehousing and manufacturing environments. Typical areas of use include receiving lines, order picking, sortation, transfers, AND diverters.

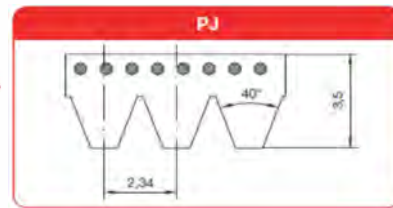
Relevant for the Logistics and Material Handling sectors, Megadyne Rollpower™ is also used in applications for Airport, Household Appliances and Fitness markets.



STRUCTURE



Cogged back only for sizes 364 mm and under.
For sizes larger than 364 mm a standard flat backing will be provided.



1 BELT BODY: EPDM compound; 2-3-4 ribs; other options on request

2 TENSILE CORDS: Elastic high-strength, low-stretch Polyamide cords

3 PITCH: PJ

ANTISTATIC (ISO 1813): Prevents accumulation of dust and dissipates electrostatic charges

WORKING TEMPERATURE: -40/+120°C, -40°F to 248 °F

FEATURES & BENEFITS



High Efficiency

- Stable tension over time
- Smooth, reliable and quiet running
- Long belt life due to superior wear and abrasion resistance, good aging resistance



Cost Saving

- Elimination of tensioners and idlers reduces cost
- Fast and easy installation
- Able to run 50 rollers together



Less Maintenance

- Elastic construction maintains tension over time reducing maintenance and related cost
- Easy to install on fixed centers
- Fast and easy replacement
- Reduces line downtime



Energy Saving

- Weight reduction - idlers & tensioners are not required
- Minimal slippage thanks to EPDM compound with precision rib design and increased surface area contact
- Up to 5% energy saving when compared to other comparable belting solutions



Flexibility & High Performance

- Excellent grip
- Speed up to 3 m/s
- Fully loaded stops and starts
- Easily improve load capacity by increasing the number of ribs

ROLLPOWER™ BELTS							
Belt code	L Nominal Length (mm)	Ribbed pulley Ø34,5 (mm)		Ribbed pulley Ø43 (mm)		Ribbed pulley Ø56 (mm)	
		min CD (mm)	max CD (mm)	min CD (mm)	max CD (mm)	min CD (mm)	max CD (mm)
206JELRPW	205	46	48	-	-	-	-
214JELRPW	217	53	54	-	-	-	-
236JELRPW	235	62	63	48	50	-	-
246JELRPW	248	68	70	55	56	-	-
256JELRPW	260	75	76	61	63	-	-
263JELRPW	265	77	79	64	66	-	-
265JELRPW	267	78	80	65	67	-	-
270JELRPW	269	79	81	66	67	-	-
272JELRPW	269	79	81	66	68	-	-
282JELRPW	283	86	88	73	75	-	-
286JELRPW	285	87	89	74	76	-	-
290JELRPW	291	91	92	77	79	57	58
292JELRPW	294	92	94	79	81	59	60
302JELRPW	303	97	99	83	85	63	65
307JELRPW	305	98	100	84	86	64	66
314JELRPW	314	104	106	90	92	70	72
316JELRPW	320	106	108	93	95	72	75
336JELRPW	336	113	115	100	102	79	81
340JELRPW	340	116	117	102	104	82	84
346JELRPW	346	117	120	104	107	84	86
364JELRPW	364	126	129	113	116	93	96

ELASTIC BELTS STANDARD							
Belt code	L Nominal Length (mm)	Ribbed pulley Ø34,5 (mm)		Ribbed pulley Ø43 (mm)		Ribbed pulley Ø56 (mm)	
		min CD (mm)	max CD (mm)	min CD (mm)	max CD (mm)	min CD (mm)	max CD (mm)
376JELRPW	376	132	136	119	123	98	102
381JELRPW	380	134	138	121	124	100	104
416JELRPW	404	146	150	132	136	112	116
432JELRPW	432	160	164	146	150	126	130
452JELRPW	452	170	174	156	161	136	140
486JELRPW	484	185	190	172	177	152	156
511JELRPW	511	199	204	186	191	165	170
518JELRPW	518	202	207	189	194	169	174
536JELRPW	538	212	218	199	204	179	184
558JELRPW	558	222	227	209	214	188	194
591JELRPW	591	-	-	225	231	204	210
609JELRPW	609	-	-	234	240	214	219
616JELRPW	616	-	-	237	243	217	223
636JELRPW	644	-	-	251	258	231	237
664JELRPW	664	-	-	261	268	241	247
682JELRPW	682	-	-	270	277	250	256
693JELRPW	693	-	-	276	283	255	262
716JELRPW	716	-	-	287	294	267	274
746JELRPW	745	-	-	301	309	281	288
759JELRPW	759	-	-	309	316	288	295

Manufacturing processes patent pending

CASE STUDIES

APPLICATION: Warehouse sorting line
 PREVIOUS BELT: Competitors Elastic Poly V belt
 PREVIOUS BELT PROBLEM:
 Lifetime of the belt and high energy use

SOLUTION: Megadyne Rollpower™ belt (314 PJ2)
 reduces energy consumption by 5% and increases production by drastically reducing maintenance for an industrial sector where reliability is the real driver of the market.

