



MEGAFLAT



MEGADYNE

Introduction to Megaflat

3

Polyurethane flat belts

Product range

4

Rubber flat belts

Product range

8

INTRODUCTION TO MEGAFLAT



MEGAFLAT belts are truly endless mandrel moulded without a single seam or splice. Special fabrics of Polyester, Polyamid, Aramide, Cotton yarn or Elastic yarn are manufactured in endless form on the most modern CNC knitting machines. The available coatings Polyurethane, Silicone and Natural Rubber are applied as an endless cover. This wide variety of basic materials and surface treatments guarantee the perfect belt for transmission and for conveying even at extreme speeds and in special environments.

MAIN FEATURES

- High flexibility
- Small pulley diameters
- Dimensional accuracy
- High speed
- Energy efficient
- Low noise and vibration
- Low maintenance
- Good chemical and ozone resistance
- High friction surface
- Uniform elongation values

MEGAFLAT is always a belt made exactly to customer requirements in endless form.

MAIN COMPONENTS OF MEGAFLAT BELTS

• TENSILE REINFORCEMENT:

Special fabrics are available with:

Elastic yarn, high elastic elongation from 4-10% for fixed shaft centre distances.

Polyamide, medium elastic from 0,5-1,5% for fixed shaft centre distances.

Polyester, low elastic elongation.

Cotton yarn, low elongation and low coefficient of friction.

Aramide, extremely low elongation and temperature resistance up to 280°.

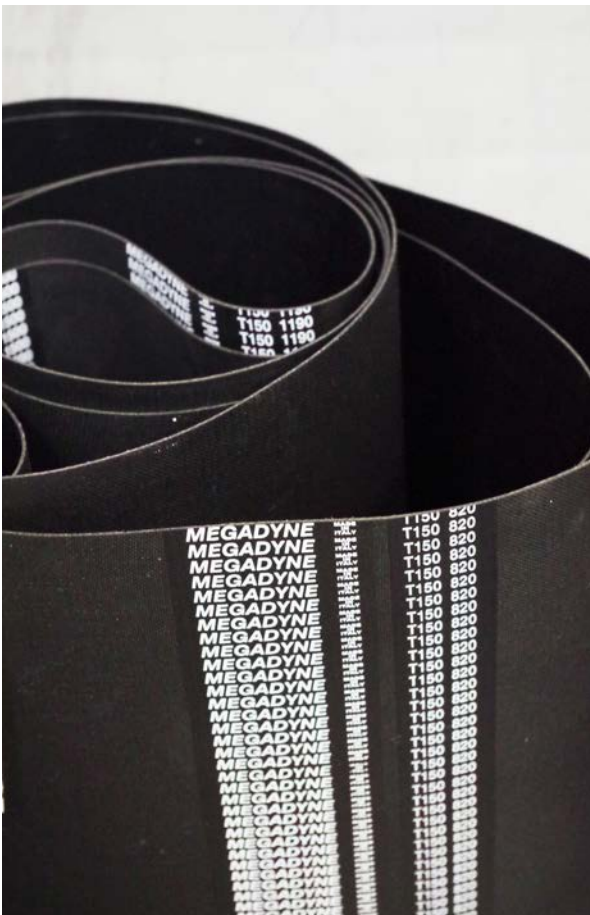
• COATINGS:

Endless covers are available

Foamed Polyurethane, in colours yellow, grey, red and white, different hardness and thickness up to 10 mm, good coefficient of friction to paper

Neoprene Rubber, black with hardness approx. 75 Shore A, high resistance to abrasion, high coefficient of friction, rough on transport side and smooth on the reverse side

Silicones, in colours white, grey, red, blue, hardness approx. 30-35 ShA. High temperature resistant, FDA approved.



POLYURETHANE FLAT BELTS

PRODUCT RANGE

TYPE	P0	P102
		
Fabric	No fabric	Elastic fabric
Coating for drive or transport side	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)
Coating revers side	No	Polyurethane/Silicone
Colour ⁽¹⁾	Yellow & Grey	Yellow & Grey
Antistatic	No	Possible

Coefficient of friction (μ)		
• Coated side smooth	0,4	0,4
• Fabric side rough	-	0,2

Breaking strength (N) per cm width in endless form	140	250
Pretension (N) recommended per cm width in endless form	-	10
Elongation (%) at pretension recommended per cm	4 - 8	4
Minimum recommended pulley diameter (mm)	8	25

Size (mm) ⁽²⁾		
• Length	210 - 2500	210 - 2500
• Width (length $\leq$ 460 mm)	6 - 330	6 - 330
• Width (length > 460 - 600 mm)	6 - 330	6 - 330
• Width (length > 600 - 750 mm)	6 - 550	6 - 600
• Width (length > 750 mm)	6 - 550	6 - 600
• Thickness	0,9	1,8 ⁽³⁾

Tolerances		
• Length (%)	+/-2,0	+/-2,0
• Width (mm)	+/-0,50	+/-0,50
• Thickness (mm)	+/-0,05	+/-0,05

Working temperature (intermittent)	-10°C / +60°C (+80)	-10°C / +60°C (+80)
Applications	Suitable for fixed center distance drive system like copying machines. Highly elastic.	Suitable for fixed center distance drive systems like machinery for paper transport. Elastic.

POLYURETHANE FLAT BELTS

PRODUCT RANGE

P105	P107	P108	P110
			
Polyester	Polyester/Cotton	Polyester/Cotton	Polyester
Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)
Polyurethane/Silicone	Polyurethane/Silicone	Polyurethane/Silicone	Polyurethane/Silicone
Yellow & Grey	Yellow & Grey	Yellow & Grey	Yellow & Grey
Possible	Possible	Possible	Possible

0,4	0,4	0,4	0,4
0,2	0,3	0,1	0,3

480	850	900	1250
30	250	200	150
0,8	0,8	1,2	0,8
8	8	8	12

210 - 3850	210 - 3850	210 - 3850	210 - 3850
6 - 330	6 - 330	6 - 330	6 - 330
6 - 330	6 - 330	6 - 330	6 - 330
6 - 600	6 - 600	6 - 600	6 - 600
6 - 600	6 - 600	6 - 600	6 - 600
0,8 ⁽³⁾	0,8 ⁽³⁾	0,8 ⁽³⁾	1,0 ⁽³⁾

+/-0,50	+/-0,50	+/-0,50	+/-0,50
+/-0,50	+/-0,50	+/-0,50	+/-0,50
+/-0,05	+/-0,05	+/-0,05	+/-0,05

-10°C / +60°C (+80)	-10°C / +60°C (+80)	-10°C / +60°C (+80)	-10°C / +60°C (+80)
Light transmission and conveyor belt. Flexible.	High flexible transmission belt for small bending diameter.	Suitable for knife edge transport. Low coefficient of friction on textile side. Thin, highly flexible band.	Suitable for flexible drive and transport systems like grinding machines. Very good running performance. Universal applications.

⁽¹⁾Additional colours on request - ⁽²⁾Additional dimensions on request

⁽³⁾Increase of thickness by about 0,3/0,5 mm for belts coated both sides

POLYURETHANE FLAT BELTS

PRODUCT RANGE

TYPE	P120	P155
		

Fabric	Polyester	Aramid/ Polyester
Coating for drive or transport side	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)	Standard: 50 ShA (+/-7) Special: 30-40 ShA (soft foam), 60-75 ShA (hard)
Coating revers side	Polyurethane/Silicone	Polyurethane/Silicone
Colour ⁽¹⁾	Yellow & Grey	Yellow & Grey
Antistatic	Possible	Possible

Coefficient of friction (μ)		
• Coated side smooth	0,4	0,4
• Fabric side rough	0,2	0,2

Breaking strength (N) per cm width in endless form	3500	6500
Pretension (N) recommended per cm width in endless form	300	350
Elongation (%) at pretension recommended per cm	0,8	0,5
Minimum recommended pulley diameter (mm)	20	30

Size (mm) ⁽²⁾		
• Length	210 - 4300	210 - 4300
• Width (length $\leq$ 460 mm)	6 - 330	6 - 330
• Width (length > 460 - 600 mm)	6 - 330	6 - 330
• Width (length > 600 - 750 mm)	6 - 600	6 - 600
• Width (length > 750 mm)	6 - 600	6 - 600
• Thickness	1,5 ⁽³⁾	2,0 ⁽³⁾

Tolerances		
• Length (%)	+/-0,50	+/-1,0
• Width (mm)	+/-0,50	+/-0,50
• Thickness (mm)	+/-0,05	+/-0,05

Working temperature (intermittent)	-10°C / +60°C (+80)	-10°C / +60°C (+80)
Applications	Suitable for heavy drive conditions. Universal applications. Medium-duty drives.	Suitable for conveyor system. Extremely low elongation. Heavy-duty drives.

POLYURETHANE FLAT BELTS

PRODUCT RANGE

S108	S110	S120	S155
			
Polyester/Cotton	Polyester	Polyester	Aramid/Polyester
Silicone 30-35 ShA	Silicone 30-35 ShA	Silicone 30-35 ShA	Silicone 30-35 ShA
Polyurethane/Silicone	Polyurethane/Silicone	Polyurethane/Silicone	Polyurethane/Silicone
White & Grey	White & Grey	White & Grey	White & Grey
Possible	Possible	Possible	Possible

0,6	0,6	0,6	0,6
0,1	0,2	0,4	0,2

800	1000	3400	5900
180	125	350	400
0,8	0,8	0,8	0,5
8	12	20	25

210 - 3850	210 - 3850	210 - 4300	210 - 3800
6 - 330	6 - 330	6 - 330	6 - 330
6 - 330	6 - 330	6 - 330	6 - 330
6 - 600	6 - 600	6 - 600	6 - 600
6 - 600	6 - 600	6 - 600	6 - 600
0,8 ⁽³⁾	1,0 ⁽³⁾	1,5 ⁽³⁾	2,0 ⁽³⁾

+/-0,50	+/-0,50	+/-0,50	+/-1,0
+/-0,50	+/-0,50	+/-0,50	+/-0,50
+/-0,05	+/-0,05	+/-0,05	+/-0,05

-50°C / +120°C (+160)	-50°C / +150°C (+180)	-50°C / +150°C (+180)	-60°C / +280°C (+300)
Transport belt, heat and cold resistant. Knife edge transport. Food contact.	Transport belt, heat and cold resistant. Suitable for food transport.	Universal transport belt, also for drive applications.	Transport belt, high strength and high temperature extremes.

⁽¹⁾Additional colours on request - ⁽²⁾Additional dimensions on request

⁽³⁾Increase of thickness by about 0,3/0,5 mm for belts coated both sides

RUBBER FLAT BELTS

PRODUCT RANGE

TYPE	T75	T108	T110
			

Fabric	Polyester	Polyester/Cotton	Polyester
Coating for drive or transport side	Neoprene rough	Neoprene rough	Neoprene rough
Coating revers side	Neoprene smooth	Neoprene smooth	Neoprene smooth
Colour ⁽¹⁾	Black	Black	Black
Antistatic	Yes	Yes	Yes

Coefficient of friction (μ)			
• Coated side smooth	0,6	0,6	0,6
• Fabric side rough	0,5	0,5	0,5

Breaking strength (N) per cm width in endless form	1500	950	1750
Pretension (N) recommended per cm width in endless form	150	260	270
Elongation (%) at pretension recommended per cm	0,8	0,8	0,8
Minimum recommended pulley external diameter (mm)	6	10	15

Size (mm) ⁽²⁾			
• Length	200 - 3850	200 - 3850	200 - 3850
• Width (length $\leq$ 460 mm)	6 - 330	6 - 330	6 - 300
• Width (length > 460 - 600 mm)	6 - 430	6 - 430	6 - 430
• Width (length > 600 - 750 mm)	6 - 430	6 - 430	6 - 430
• Width (length > 750 mm)	6 - 430	6 - 430	6 - 430
• Thickness	0,5	0,65	0,9

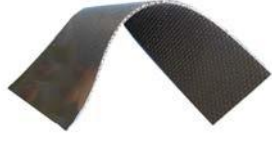
Tolerances			
• Length (%) *(<= 600 mm: +/- 5mm)	+/-*0,50	+/-*0,50	+/-*0,50
• Width (mm)	+/-0,50	+/-0,50	+/-0,50
• Thickness (mm)	+/-0,15	+/-0,15	+/-0,15

Working temperature	-30°C / +110°C	-25°C / +100°C	-25°C / +100°C
Applications	Suitable for light-load transmission or conveying. Drivers for office equipments.	Particularly suitable for applications in office equipment. Very flexible.	Suitable for universal applications and textile machines. High belt running speed.



RUBBER FLAT BELTS

PRODUCT RANGE

T120	T150	T155	T200
			
Polyester	Polyester	Aramid/ Polyester	Polyester
Neoprene rough	Neoprene rough	Neoprene rough	Neoprene rough
Neoprene smooth	Neoprene smooth	Neoprene smooth	Neoprene smooth
Black	Black	Black	Black
Yes	Yes	Yes	Yes
0,6	0,6	0,6	0,6
0,5	0,5	0,5	0,5
3450	3000	8000	4000
350	300	500	400
0,8	0,7	0,3	0,8
20	15	30	20
200 - 4300	200 - 3850	200 - 3850	200 - 3850
6 - 330	6 - 330	6 - 330	6 - 330
6 - 430	6 - 430	6 - 430	6 - 430
6 - 430	6 - 430	6 - 430	6 - 430
6 - 430	6 - 430	6 - 430	6 - 430
1,4	0,9	1,6	1,1
+/-*0,5	+/-*0,5	+/-1,00	+/-*0,50
+/-0,50	+/-0,50	+/-0,50	+/-0,50
+/-0,15	+/-0,15	+/-0,15	+/-0,15
-25°C / +100°C	-25°C / +100°C	-25°C / +100°C	-30°C / +110°C
Suitable for medium-duty drives for wood or metal working.	Suitable for textile machinery. High belt running speed and medium torque drive	Suitable for low stretch demanding drive conditions. Heavy-duty drives.	Suitable for high torque, high speed drives such as machine tools.

BELARUS

Minsk
Kuzme Chornogo 31 -901
220100 Minsk
Phone +375 17 2802486
Info.ee@megadynegroup.com

BRAZIL

Sorocaba
Avenida Dr. Armando Pannunzio
610 CEP 18050-000
Sorocaba, São Paulo
Phone +55 15 2101 7700
inquiries@jasonindustrial.com

CANADA

Edmonton
10020 42nd Avenue Edmonton
Alberta T6E 5B4
Phone: +1 780 461 4400
inquiries@jasonindustrial.com

Montreal
9135 Cote De Liesse
Dorval, Quebec H9P 2N9
Phone: +1 514 31 2341
inquiries@jasonindustrial.com

Toronto
927 Matheson Boulevard East
Mississauga, Ontario L4W 2R7
Phone: +1 905 602 4400
inquiries@jasonindustrial.com

CHINA

Beijing
NO.37-344 Fudongyuan.Ciqu Street
Taihu town, Tongzhou
Beijing 101111
Phone +86 10 8150 7478
info.cn@megadynegroup.com

Foshan
n.5 Hedang Industrial Area
East Side Wu Gang Road
Changcheng district, Foshan
Guangdong 528031
Phone +86 757 83815530
info.cn@megadynegroup.com

Fujian
No.720 Marketing Comprehensive
Building, South Lingshui Street
Wuli Industrial Park,
Jinjiang City, Fujian, 362261
Phone +86 595 8816 0309
info.cn@megadynegroup.com

Ningbo
Industrial Chemical Area,
Fengxiang Road 777, Xiepu Town
Zhenghai District,
Ningbo City , Zhejiang Province,
315203
Phone +86 574 8650 2886
info.cn@megadynegroup.com

Qingdao
Longshan town office,
Nange backstreet Jimo city –
Qingdao – Shandong, 266100
Phone +86 532 8765 2117
info.cn@megadynegroup.com

Shanghai
Business Office A area,
6th Floor, 11th Building,
No.1588, Li an Road
Shanghai, 201105
Phone +86 21 5447 1473
info.cn@megadynegroup.com

Shenyang
Room303, Flat 3, No.131-9
Baogong South St.
Tiexi District
Shenyang, 110074
Phone +86 24 2572 3238
Fax +86 24 2572 3238
info.cn@megadynegroup.com

COLOMBIA
Cartagena
Diag 22-56-112
Bario el Bosque
Cartagena, Colombia
NIT 900-648-909-6
Phone: 011 57 313 501 5397
inquiries@jasonindustrial.com

CZECH REPUBLIC
Praha
Karlovarska Business Park
Na Hurce 1077/4 (Budova C),
161 00 –
Praha 6 – Ruzyne
Phone +420 2 8481 7181
office.cz@megadynegroup.com

FRANCE
Paris
Logistic Center Zi Les Bordes - 15
Rue Gustave Madiot
91923 Bondoufle Cedex
Phone +33 1 6079 8200
info.fr@megadynegroup.com

St. Jean De Maurienne
le prè de la Garde -Av. Italie-
73300 S. Jean de Maurienne
Phone +33 4 7964 0613
info.fr@megadynegroup.com

GERMANY
Borchen
Nikolaus Otto Straße 24
33178 Borchen
Phone +49 5251 8735 0
info.de@megadynegroup.com

Elchingen
Daimlerstraße 13
89275 Elchingen
Phone +49 7308 9665 0
produktion@megadynegroup.com

HUNGARY

Budapest
West Gate Business Park
Topark u. 9
2045 Torokbalint
Phone +36 23 428 628
info.hu@megadynegroup.com

MEXICO
Mexico C.P.
Av. Ceylan 959 Int. 9 Y 10
Industrial Vallejo Azcapotzalco,
Mexico C.P. 02300
Phone +52 55 5587 3680
inquiries@jasonindustrial.com

POLAND
Bydgoszcz
Ołowiana 10, 85-461 Bydgoszcz
POLAND
Phone +48 52 348 77 12
info.pl@megadynegroup.com

SOUTH AFRICA
Johannesburg
Unit 4 - 6, 24 Park Avenue South
Highway Business Park
Rooihuiskraal, Centurion
Phone +27 (0)12 661 1652
Fax +27 (0)12 661 1634
info.sa@megadynegroup.com

SPAIN
Barcelona
Ctra de l'Arboc, Km 1,7
08800 Vilanova I La Geltru
Barcelona
Phone +34 93 811 5450
info.sp@megadynegroup.com

SWEDEN
Kristianstad
Estrids Väg 15
291 65 Kristianstad
Phone +46 10 1309600
info.se@megadynegroup.com

THAILAND
Bangkok
S.S.P. Tower – 16th Floor –
Office 10 Soi Sukhumvit 63
(Ekamai) Klong Tan Nuea,
Vadhana Bangkok 10110
Phone: +66 (0) 27115477
info.apac@megadynegroup.com

TURKEY
Izmir
Mustafa Kemal Atatürk Mahallesi
Izmir Ankara Asfaltı Caddesi
No:19, 35170 Ulucak Kemalpaşa
Phone +90 232 877 07 00
info@rultrans.com.tr

U.K.
Birmingham
Cornwallis Road, West Bromwich.
West Midlands ,B70 7JF
Phone: +44 1384 215 021
sales@megadynegroup.com

U.S.A

California
5660-5680 Rickenbacker Road Bell
Los Angeles, CA 90201
Phone +1 323 265 8061
inquiries@jasonindustrial.com

Florida
5120-B East Adamo Drive Tampa,
FL 33619
Phone +1 813 241 4111
inquiries@jasonindustrial.com

Georgia
Belt Corporation of America
253 Castleberry Industrial Dr.
Cumming, GA 30040
Phone +770 887-9725
inquiries@jasonindustrial.com

Illinois
221 South Westgate Drive
Carol Stream, IL 60188
Phone: +1630 752 0600
inquiries@jasonindustrial.com

New Jersey Americas HQ
340 Kaplan Drive Fairfield
NJ 07004
Phone +1 973 227 4904
inquiries@jasonindustrial.com

North Carolina
11016 Granite Street, Charlotte,
NC 28273
Phone +1 704 583 5388
inquiries@jasonindustrial.com

Oregon
One SE Alder St., Portland,
OR 97214
Phone +1 888 231 7224
inquiries@jasonindustrial.com

South Carolina
101 Pelham Davis Cir, Greenville,
SC 29615-5752
Phone +1 864 288 9916
inquiries@jasonindustrial.com

Texas
8510 Ambassador Row, Dallas
TX 75247
Phone +1 972 438 6992
inquiries@jasonindustrial.com

HEADQUARTERS

ITALY Torino
Via S. Lucia, 114
10075 Mathi (Torino)
Phone +39 011 926 8052
info@megadynegroup.com

www.megadynegroup.com
www.jasonindustrial.com



The data and information contained in the present catalogue are up-to-date to the date of the catalogue's printing. Megadyne Spa reserves the right to modify the specifications, performances and other information relating to the belts described in the present catalogue, at any time at its own discretion, without any prior notice. For updating refer to our web site www.megadynegroup.com.

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:

- 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.

Copyright Notice: Megadyne Spa copyright. All rights reserved. Megadyne is and shall remain the owner of all rights on drawings, technical specifications and any other information contained in the present catalogue or otherwise communicated by Megadyne Spa to the customer. The customer shall not disclose such information to third parties or use such information for purposes different from the definition of the order to Megadyne Spa, unless upon prior written authorization of Megadyne.