



MEGADYNE



MEGADYNE MEGAV DYNAMIC

PRODUCT
BROCHURE

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WELCOME TO **MEGADYNE**

Megadyne offers a full line of power transmission belting solutions for industrial distribution and original equipment manufacturers (OEMs). We are a global product brand, leader in rubber and polyurethane synchronous belts, engineered belts and V-belts.



OUR SOLUTIONS

Our customers are original equipment manufacturers and aftermarket distributors, for whom we deliver a large range of products. Our offering includes thermoset and thermoplastic polyurethane belts, rubber timing and V-belts, flat belts, multi-rib belts, specialty belts, pulleys, clamping plates, timing bars and complementary products, including custom-made.

8



FACTORIES IN EUROPE,
ASIA AND AMERICA

+170



COMMERCIAL LOCATIONS



**FOR MORE INFORMATION
AND OUR FULL PRODUCT
RANGE, PLEASE SCAN
BELOW:**





MEGAV DYNAMIC

THE NEW GENERATION OF MEGADYNE RAW EDGE V-BELTS.

INVESTING IN PERFORMANCE

The new range is the result of extensive research into advanced materials and significant investments in manufacturing technology. These improvements enable a true upgrade in quality, performance, and competitiveness, setting a new benchmark for Megadyne V-belt solutions.

A NEW NAME – A NEW STANDARD

With a new name and redesigned labels, MEGAV Dynamic is much more than a simple rebranding. It represents the evolution of Megadyne V-belts—from commodity products to a clearly recognizable, value-added product family designed to deliver superior performance and identity in the market.

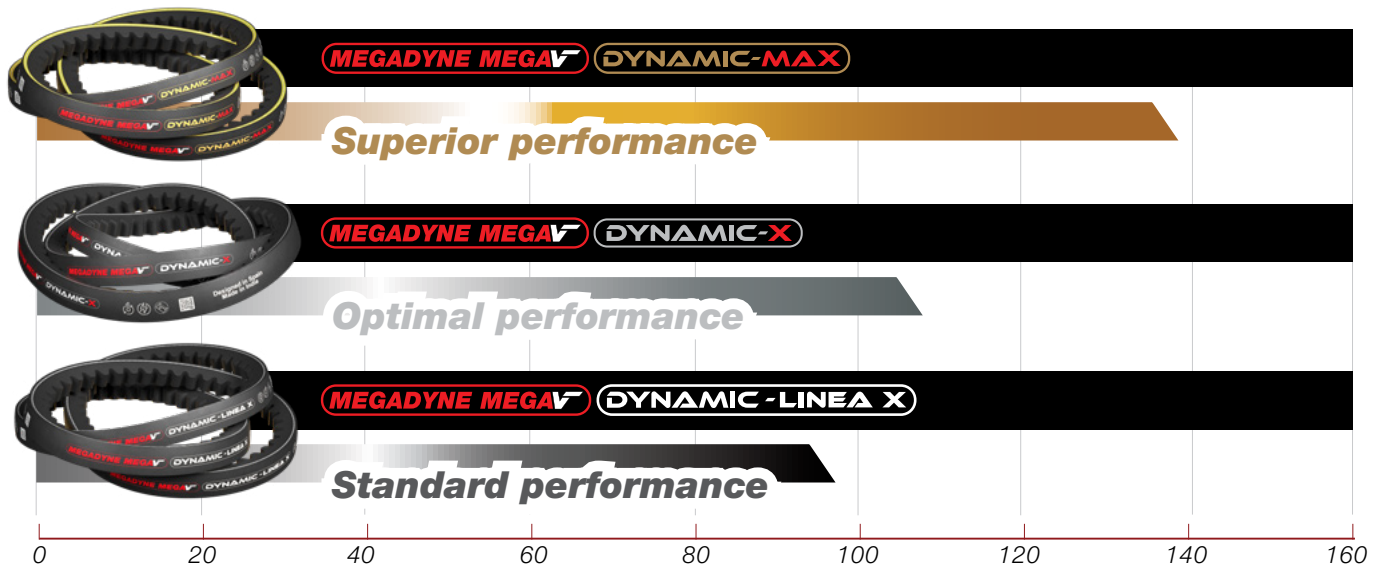
SIMPLIFIED RANGE, GREATER EFFICIENCY

The entire former Raw Edge belt portfolio is now streamlined into just two high-performance standard solutions: **MEGAV Dynamic-MAX** and **MEGAV Dynamic-X**. A third belt is available, on demand (**MEGAV Dynamic Linea X**). This simplification delivers immediate benefits to users, including reduced inventory complexity and lower operating costs, while ensuring a superior belt solution for a wide range of applications.

A strong and coherent naming system, combined with a distinctive label, makes each belt immediately recognizable and reinforces trust in the brand and reflects the investments, innovation, and manufacturing excellence behind every MEGAV Dynamic solutions.

PERFORMANCE

COMPARISON INDEX



MEGADYNE MEGAV DYNAMIC RANGE

MEGAV DYNAMIC-MAX

ENGINEERED FOR PERFORMANCE.
BUILT TO LAST.



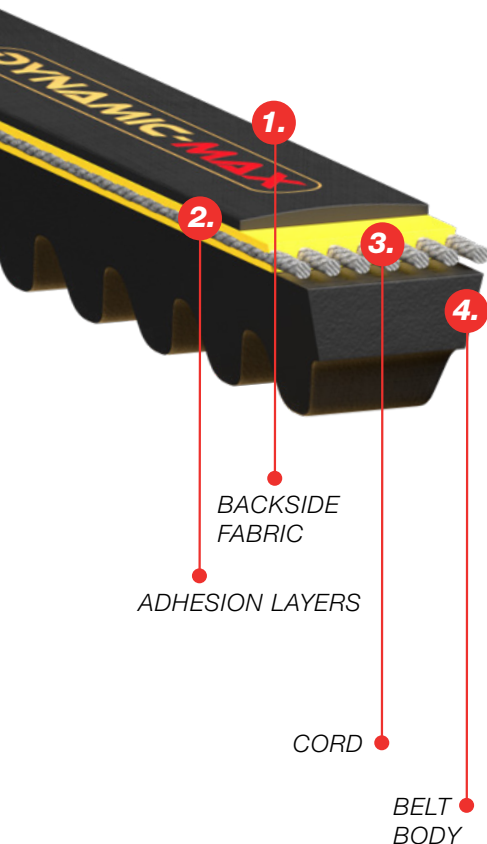
MEGADYNE MEGAV **DYNAMIC-MAX**

Megadyne MEGAV Dynamic-MAX sets a new standard in rubber power transmission. It's the **premium, long-lasting, and maintenance-free belt**, optimized for heavy-load applications, ensuring consistent performance even under severe operating conditions.

FEATURES & BENEFITS:

- Premium material and construction: **superior performance, reliability and longer life**
- Maintenance free: **no re-tensioning needed, less downtime**
- Length-Matching: **tight length tolerances enable the use of multiple belts on a single drive system while ensuring uniform load sharing and consistent tension over the operating life**
- High power capacity: **less belts required in set applications, lower total cost of ownership**
- High Energy efficiency at least **95%**
- Antistatic: **fully compliant with ISO 1813 and ARPM IP-3-3 standards**
- Wide range of working temperatures: **from -40°C to +120°C**

BELT CONSTRUCTION



1.

BACKSIDE FABRIC

To protect against contamination and moisture

2.

ADHESION LAYERS

Innovative black EPDM compound to guarantee the bonding with the body material; improved adhesion to both the cord and the body compound.

3.

CORD

Low-stretch PET cord ensuring outstanding dimensional stability; maintenance-free, no re-tensioning needed

4.

BODY

Next-generation EPDM compound with transverse fibers for very high-performance even with heavy-load applications; formulated to high abrasion resistance

MEGADYNE MEGAV DYNAMIC
RANGE

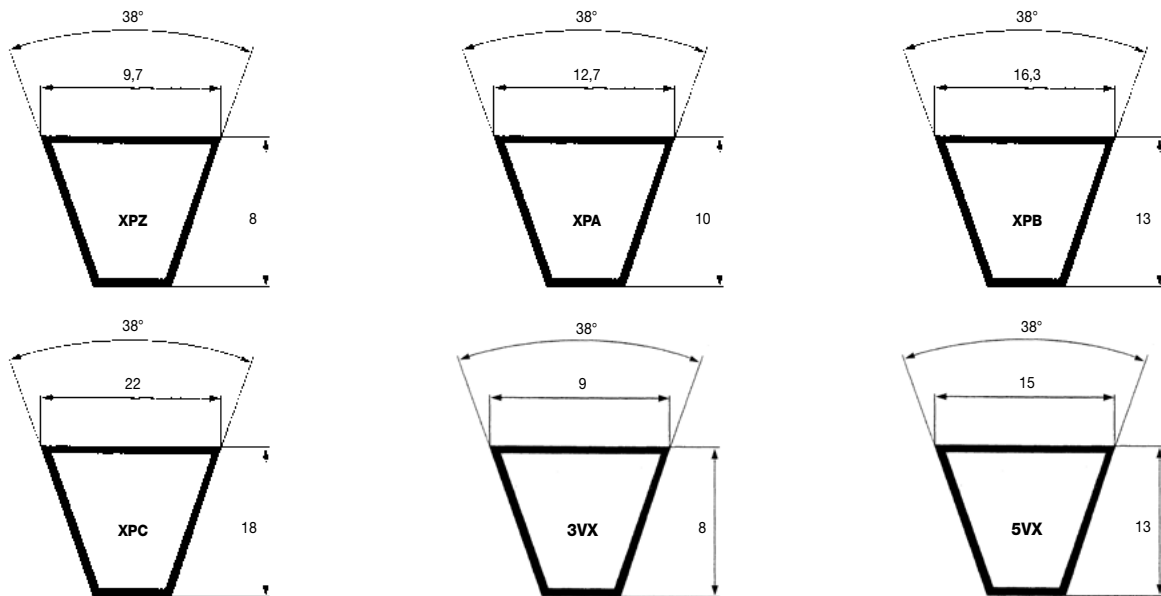
BELT CHARACTERISTICS

SECTION	XPZ	XPA	XPB	XPC
a (mm)	9,7	12,7	16,3	22
s (mm)	8	10	13	18
Pitch length - internal length = Δi (mm)	39	47	61	86
External length - pitch length = Δe (mm)	13	18	22	30
Weight (g/m)	68	96	176	293
Min. Pulley diam. (mm)	56	80	112	180
Working temperature	-40°C / +120°C			
Relevant standards	DIN 7753 - ISO 4184			
Relevant antistatic standard	ISO 1813			
Materials	Next-generation EPDM compound reinforced with transverse fibers and a low-stretch PET tensile cord			

RANGE AVAILABILITY:

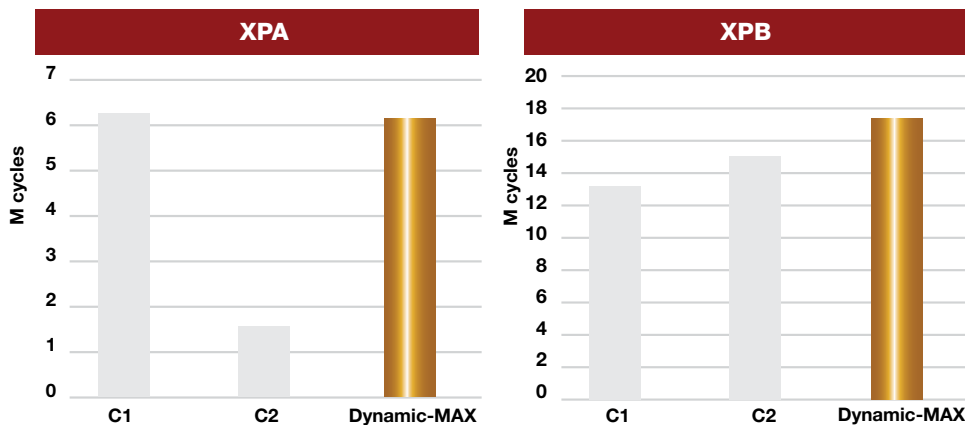
XPZ - XPA - XPB - XPC - 3VX - 5VX

The drawings are for illustrative purposes only and do not represent the actual scale.



DURABILITY TEST

DYNAMIC-MAX VS COMPETITORS



Legend: C1 = Competitor 1; C2 = Competitor 2

MEGADYNE MEGA V **DYNAMIC-MAX**

MEGADYNE MEGA V DYNAMIC RANGE

megadynegroup.com

MEGAV DYNAMIC-X

EFFICIENT AND RELIABLE.
MAINTENANCE-FREE BELT.

MEGADYNE MEGAV DYNAMIC-X

Megadyne MEGAV Dynamic-X ensures reliable performance across a wide temperature range, making it suitable for a variety of applications. Being maintenance free, it minimizes downtime reducing the total cost of ownership while maximizing machine efficiency and reliability.

FEATURES & BENEFITS:

- Resistant to ageing, ozone, UV, and heat
- Maintenance free, no re-tensioning needed, less downtime
- Antistatic, fully compliant with ISO 1813
- Wide range of working temperatures: from -40°C to +120°C

BELT CONSTRUCTION

1.

BACKSIDE FABRIC

PET/cotton rubber coated to protect against contamination and moisture

2.

ADHESION LAYERS

An EPDM compound to guarantee a good bonding with the body material

3.

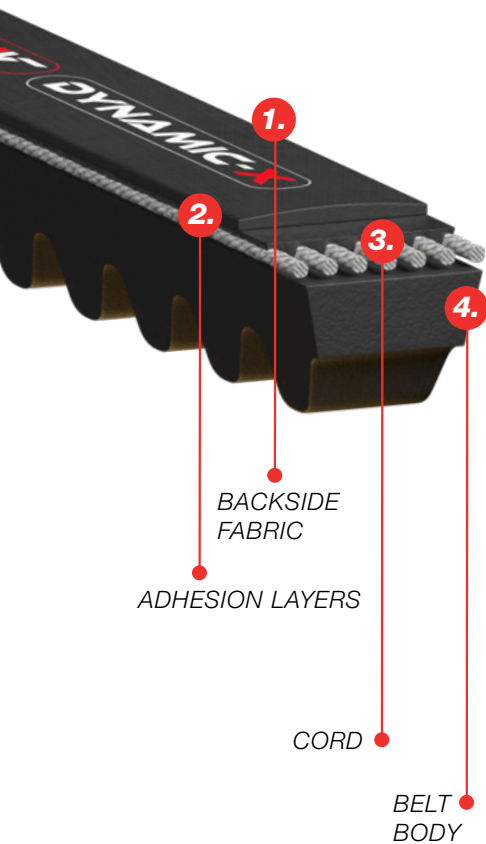
CORD

Low-stretch PET cord

4.

BODY

Black EPDM for high-performance



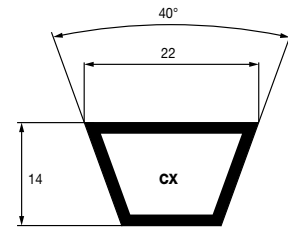
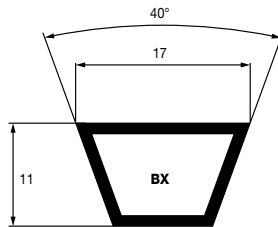
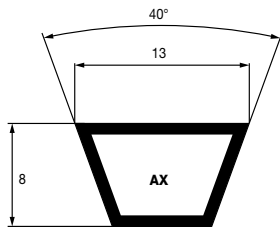
MEGADYNE MEGAV DYNAMIC
RANGE

BELT CHARACTERISTICS

SECTION	AX	BX	CX
a (mm)	13	17	22
s (mm)	8	11	14
Pitch length - internal length = Δi (mm)	33	43	62
External length - pitch length = Δe (mm)	17	26	26
Weight (g/m)	110	185	340
Min. Pulley diam. (Mm)	63	90	140
Working temperature	-40°C / +120°C		
Relevant standards	ARPM/MPTA IP20 - DIN 2215		
Relevant antistatic standard	ISO 1813		
Materials	EPDM compound - polyester cord		

RANGE AVAILABILITY:

AX - BX - CX



Discover Your Local Contacts

The local partner of choice
for sustainable power transmission belting solutions
around the globe.



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www.megadynegroup.com



Scan the QR code
and find your local
contact

