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POLYFLEX® JB™

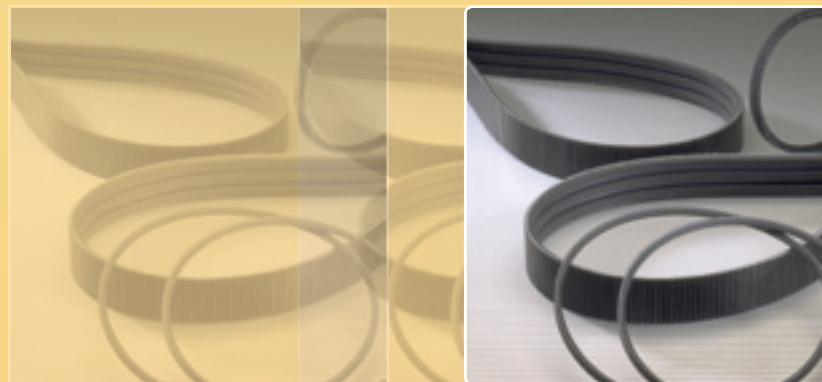
Polyurethane multiple V-belt

Developed by Gates and produced to patented manufacturing processes, Gates Polyflex® JB™ belts provide more load-carrying capacity at higher speeds to small precision multiple V-belt drives.

This results in significant cost savings and improved design freedom. Polyflex® JB™ belts are recommended for use on bench type milling machines, lathe drives, woodworking and metalworking machine spindle drives, computer peripheral equipment, small blowers, etc.

They are available in 3M-JB, 5M-JB, 7M-JB and 11M-JB sections.

Synonymous with higher power density in small spaces



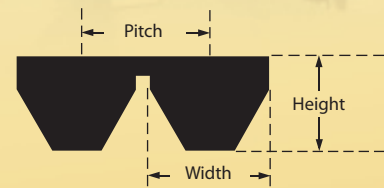
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Construction

- Joined belt construction improves stability.
- Ribs relieve bending stress on small pulleys and provide lateral rigidity.
- 60° angle provides more undercord support to the tensile section and distributes the load more evenly.
- Small cross-section meets special application needs such as high shaft speeds, small drive package size and smooth running requirements.
- High modulus polyurethane compound with a high friction coefficient.
- The precise casting method eliminates overlaps and layers.
- Excellent adhesion of tensile cords and polyurethane compound leads to high fatigue resistance and long belt life.
- Extra toughness. The polyurethane compound resists fatigue, wear and ozone.

Advantages

- Long belt life on small pulleys and compact drives.
- Greater shaft speeds, up to 30,000 rpm.
- High performance and smooth running for precision applications.
- Cost savings and design freedom.
- Avoids vibrations when subjected to shock loads.
- Temperature ranges from -54°C up to +85°C.



Sections and nominal dimensions

	Pitch mm	Width mm	Height mm
3M-JB	3.35	3	2.28
5M-JB	5.30	5	3.30
7M-JB	8.50	7	5.33
11M-JB	13.20	11	7.06

Belt range

3M-JB

Description	Effective length mm
3M175JB	175
3M180JB	180
3M185JB	185
3M190JB	190
3M195JB	195
3M200JB	200
3M206JB	206
3M212JB	212
3M218JB	218
3M224JB	224
3M230JB	230
3M236JB	236
3M243JB	243
3M250JB	250
3M258JB	258
3M265JB	265
3M272JB	272
3M280JB	280
3M290JB	290

Description	Effective length mm
3M300JB	300
3M307JB	307
3M315JB	315
3M319JB	319
3M325JB	325
3M335JB	335
3M345JB	345
3M350JB	350
3M355JB	355
3M365JB	365
3M375JB	375
3M387JB	387
3M400JB	400
3M406JB	406
3M412JB	412
3M425JB	425
3M437JB	437
3M450JB	450
3M462JB	462

Description	Effective length mm
3M475JB	475
3M487JB	487
3M500JB	500
3M515JB	515
3M530JB	530
3M545JB	545
3M553JB	553
3M560JB	560
3M580JB	580
3M600JB	600
3M615JB	615
3M630JB	630
3M650JB	650
3M670JB	670
3M690JB	690
3M710JB	710
3M730JB	730
3M750JB	750

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Belt range

5M-JB

Description	Effective length mm
5M280JB	280
5M290JB	290
5M300JB	300
5M307JB	307
5M315JB	315
5M325JB	325
5M335JB	335
5M345JB	345
5M355JB	355
5M365JB	365
5M375JB	375
5M387JB	387
5M400JB	400
5M412JB	412
5M425JB	425
5M437JB	437
5M450JB	450
5M462JB	462
5M475JB	475
5M487JB	487

Description	Effective length mm
5M500JB	500
5M515JB	515
5M530JB	530
5M545JB	545
5M560JB	560
5M580JB	580
5M600JB	600
5M615JB	615
5M630JB	630
5M650JB	650
5M670JB	670
5M690JB	690
5M710JB	710
5M730JB	730
5M750JB	750
5M775JB	775
5M800JB	800
5M825JB	825
5M850JB	850
5M875JB	875

Description	Effective length mm
5M900JB	900
5M925JB	925
5M950JB	950
5M975JB	975
5M1000JB	1000
5M1030JB	1030
5M1060JB	1060
5M1090JB	1090
5M1120JB	1120
5M1150JB	1150
5M1180JB	1180
5M1220JB	1220
5M1250JB	1250
5M1280JB	1280
5M1320JB	1320
5M1360JB	1360
5M1400JB	1400
5M1450JB	1450
5M1500JB	1500

7M-JB

Description	Effective length mm
7M500JB	490
7M515JB	505
7M530JB	520
7M545JB	535
7M560JB	550
7M580JB	570
7M600JB	590
7M615JB	605
7M630JB	620
7M650JB	640
7M670JB	660
7M690JB	680
7M710JB	703
7M730JB	723
7M750JB	743
7M775JB	768
7M800JB	793
7M825JB	818

Description	Effective length mm
7M850JB	843
7M875JB	868
7M900JB	893
7M925JB	918
7M950JB	943
7M975JB	968
7M1000JB	993
7M1030JB	1023
7M1060JB	1053
7M1090JB	1083
7M1120JB	1113
7M1150JB	1143
7M1180JB	1173
7M1220JB	1213
7M1250JB	1243
7M1280JB	1273
7M1320JB	1313
7M1360JB	1353

Description	Effective length mm
7M1400JB	1393
7M1450JB	1443
7M1500JB	1493
7M1550JB	1543
7M1600JB	1593
7M1650JB	1643
7M1700JB	1693
7M1750JB	1743
7M1800JB	1793
7M1850JB	1843
7M1900JB	1893
7M1950JB	1943
7M2000JB	1993
7M2060JB	2053
7M2120JB	2113
7M2180JB	2173
7M2240JB	2233
7M2300JB	2293

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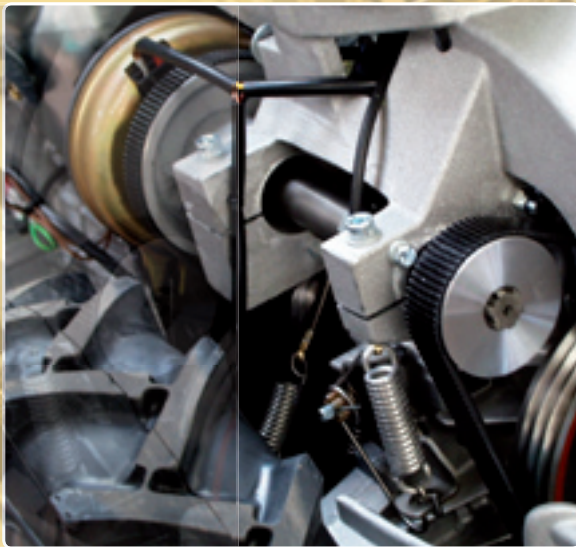
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11M-JB

Description	Effective length mm
11M710JB	692
11M730JB	712
11M750JB	732
11M775JB	757
11M800JB	782
11M825JB	807
11M850JB	832
11M875JB	857
11M900JB	882
11M925JB	907
11M950JB	932
11M975JB	957
11M1000JB	982
11M1030JB	1012

Description	Effective length mm
11M1060JB	1042
11M1090JB	1072
11M1120JB	1102
11M1150JB	1132
11M1180JB	1162
11M1220JB	1202
11M1250JB	1232
11M1280JB	1262
11M1320JB	1302
11M1360JB	1342
11M1400JB	1382
11M1450JB	1432
11M1500JB	1482
11M1550JB	1532

Description	Effective length mm
11M1600JB	1582
11M1650JB	1632
11M1700JB	1682
11M1750JB	1732
11M1800JB	1782
11M1850JB	1832
11M1900JB	1882
11M1950JB	1932
11M2000JB	1982
11M2060JB	2042
11M2120JB	2102
11M2180JB	2162
11M2240JB	2222
11M2300JB	2282



	Standard number of ribs			
	2	3	4	5
3M-JB	•	•		
5M-JB	•	•	•	•
7M-JB	•	•	•	•
11M-JB	•	•		

Other number of ribs available on request.

Polyflex® JB™ ordering code is composed as follows:
 Example: 5M280/3
 5M - Rib width (5 mm)
 280 - Effective length (mm)
 3 - Number of ribs (joined belt)

Please visit www.gates-online.com or call your Gates partner for info on stock products.

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