



## HEAVY-DUTY V-BELTS

# SUPER HC<sup>®</sup> MN & SUPER HC<sup>®</sup>

*Raw edge, moulded notch/Wrapped, narrow section V-belt*

In addition to the Super HC<sup>®</sup> wrapped, narrow section V-belt, Gates markets the Super HC<sup>®</sup> Moulded Notch V-belt construction. Super HC<sup>®</sup> MN V-belts put more power where high speeds, high speed ratios or small pulley diameters are required, thus offering significant advantages over classical section V-belts. Developed through specialised research, Super HC<sup>®</sup> MN is highly recommended for use on all industrial heavy-duty, narrow section V-belt drives. The Super HC<sup>®</sup> MN increased transmission efficiency allows more compact and highly economical drive design. Super HC<sup>®</sup> MN belts are available up to 5000 mm ISO datum lengths.



### Identification

Durable yellow marking indicating type and dimensions.

### Construction

#### Super HC<sup>®</sup> MN

- Moulded notches reduce and evenly distribute thermal and bending stresses. The moulded notch pattern also reduces noise.
- Precision-ground straight sidewalls give a uniform wedging action and ensure the belt fits correctly in the pulley grooves.
- Back idlers can be used.
- Flex-bonded tensile cords are vulcanised as one solid unit making the belt highly resistant to tensile and flexing forces, fatigue and shock loads.
- Elastomeric compound protects the belt against heat, ozone and sunlight.
- Even with severe slippage, the belt will not catch fire from heat build-up.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

#### Super HC<sup>®</sup>

- Arched top, concave sidewalls and rounded corners provide uniform tensile loading and uniform pulley sidewall contact for excellent belt service and reduced pulley wear.
- The Flex-Weave<sup>®</sup> oil and heat resistant cover protects the belt core from the toughest environments.
- The vulcanised Flex-bonded tensile cords provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC - ATEX.

### Sections and nominal dimensions



	Width mm	Height mm
<b>SPZ(-MN)</b>	10	8
<b>SPA(-MN)</b>	13	10
<b>SPB(-MN)</b>	16	13
<b>SPC(-MN)</b>	22	18

### Advantages

- Excellent performance/cost ratio.
- More power in the same space or same power in 1/3 to 1/2 less space as compared to classical section V-belts.
- Cost and space savings by reducing size of pulleys, bearings, guards and mounts.
- Improved belt life reducing expensive maintenance time.
- Match system: all sizes meet Gates **UNISSET** tolerances, they can be installed without matching.





SPB		
Description		Datum length
MN	Wrapped Super HC®	mm
SPB1250MN	<b>SPB1250</b>	1250
SPB1260MN		1260
SPB1320MN	SPB1320	1320
SPB1340MN		1340
	SPB1360	1360
SPB1400MN	SPB1400	1400
SPB1410MN		1410
	SPB1450	1450
SPB1500MN	<b>SPB1500</b>	1500
SPB1510MN		1510
	SPB1550	1550
SPB1590MN		1590
SPB1600MN	<b>SPB1600</b>	1600
	SPB1650	1650
SPB1690MN		1690
SPB1700MN	<b>SPB1700</b>	1700
SPB1750MN	SPB1750	1750
	SPB1778	1778
SPB1800MN	<b>SPB1800</b>	1800
	SPB1850	1850
	SPB1860	1860
SPB1900MN	<b>SPB1900</b>	1900
	SPB1930	1930
	SPB1950	1950
SPB2000MN	<b>SPB2000</b>	2000
SPB2020MN	<b>SPB2020</b>	2020
	SPB2060	2060
	SPB2098	2098
SPB2120MN	<b>SPB2120</b>	2120
SPB2150MN	<b>SPB2150</b>	2150
	SPB2180	2180
	SPB2200	2200
SPB2240MN	<b>SPB2240</b>	2240
SPB2280MN	<b>SPB2280</b>	2280
	SPB2300	2300
SPB2360MN	<b>SPB2360</b>	2360
	SPB2391	2391
	<b>SPB2400</b>	2400
SPB2410MN		2410
SPB2500MN	<b>SPB2500</b>	2500
SPB2530MN		2530
	SPB2600	2600
SPB2650MN	<b>SPB2650</b>	2650
SPB2680MN	SPB2680	2680
SPB2800MN	<b>SPB2800</b>	2800
SPB2840MN	SPB2840	2840
	SPB2850	2850
	SPB2900	2900
SPB2990MN		2990
SPB3000MN	<b>SPB3000</b>	3000
SPB3150MN	<b>SPB3150</b>	3150
	<b>SPB3250</b>	3250
	SPB3320	3320
SPB3350MN	<b>SPB3350</b>	3350
	<b>SPB3450</b>	3450
SPB3550MN	<b>SPB3550</b>	3550
	SPB3650	3650
SPB3750MN	<b>SPB3750</b>	3750
	SPB3800	3800
	SPB3870	3870
SPB4000MN	<b>SPB4000</b>	4000
	SPB4120	4120
SPB4250MN	<b>SPB4250</b>	4250
SPB4500MN	<b>SPB4500</b>	4500
SPB4750MN	<b>SPB4750</b>	4750
	SPB4820	4820
	SPB4870	4870
	<b>SPB5000</b>	5000
	<b>SPB5300</b>	5300
	<b>SPB5600</b>	5600
	<b>SPB6000</b>	6000
	<b>SPB6300</b>	6300
	<b>SPB6700</b>	6700
	<b>SPB7100</b>	7100
	<b>SPB7500</b>	7500
	<b>SPB8000</b>	8000

SPC		
Description		Datum length
MN	Wrapped Super HC®	mm
SPC2000MN	<b>SPC2000</b>	2000
SPC2120MN	<b>SPC2120</b>	2120
SPC2240MN	<b>SPC2240</b>	2240
SPC2360MN	<b>SPC2360</b>	2360
SPC2500MN	<b>SPC2500</b>	2500
	SPC2550	2550
SPC2650MN	<b>SPC2650</b>	2650
SPC2800MN	<b>SPC2800</b>	2800
SPC3000MN	<b>SPC3000</b>	3000
SPC3150MN	<b>SPC3150</b>	3150
SPC3350MN	<b>SPC3350</b>	3350
SPC3550MN	<b>SPC3550</b>	3550
SPC3750MN	<b>SPC3750</b>	3750
SPC4000MN	<b>SPC4000</b>	4000
	SPC4100	4100
SPC4250MN	<b>SPC4250</b>	4250
SPC4500MN	<b>SPC4500</b>	4500
SPC4750MN	<b>SPC4750</b>	4750
	<b>SPC5000</b>	5000
	<b>SPC5300</b>	5300
	<b>SPC5600</b>	5600
	<b>SPC5800</b>	5800
	<b>SPC6000</b>	6000
	<b>SPC6300</b>	6300
	SPC6500	6500
	<b>SPC6700</b>	6700
	<b>SPC7100</b>	7100
	<b>SPC7500</b>	7500
	<b>SPC8000</b>	8000
	<b>SPC8500</b>	8500
	<b>SPC9000</b>	9000
	<b>SPC9500</b>	9500
	<b>SPC10000</b>	10000
	<b>SPC10600</b>	10600
	<b>SPC11200</b>	11200
	SPC11800	11800
	SPC12000	12000
	<b>SPC12500</b>	12500
	SPC13500	13500
	SPC13800	13800
	SPC14200	14200
	SPC15000	15000
	SPC16500	16500

Super HC® (MN) ordering code is composed as follows:

**SPZ560(MN)**

- SPZ** - Section
- 560** - Datum length (mm)
- (MN)** - Moulded notch

Dimensions in bold are available from stock.