

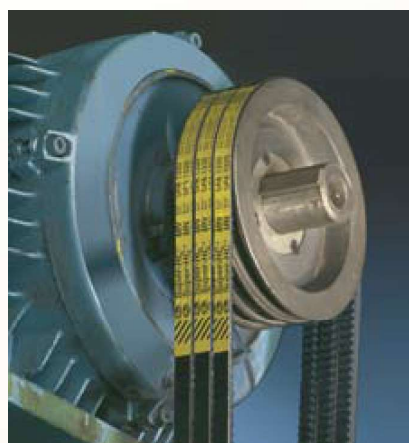


HEAVY-DUTY V-BELTS

SUPER HC[®] MN & SUPER HC[®]

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

In addition to the Super HC[®] wrapped, narrow section V-belt, Gates markets the Super HC[®] Moulded Notch V-belt construction. Super HC[®] 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[®] MN is highly recommended for use on all industrial heavy-duty, narrow section V-belt drives. The Super HC[®] MN increased transmission efficiency allows more compact and highly economical drive design. Super HC[®] MN belts are available up to 5000 mm ISO datum lengths.



Identification

Durable yellow marking indicating type and dimensions.

Construction

Super HC[®] 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[®]

- 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[®] 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
SPZ(-MN)	10	8
SPA(-MN)	13	10
SPB(-MN)	16	13
SPC(-MN)	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.



SPZ						SPA					
Description			Datum			Description			Datum		
			length						length		
MN	Wrapped Super HC®	mm	MN	Wrapped Super HC®	mm	MN	Wrapped Super HC®	mm	MN	Wrapped Super HC®	mm
	SPZ487	487	SPZ1347MN	SPZ1347	1347	SPA732MN	SPA732	732		SPA1850	1850
	SPZ512	512		SPZ1360	1360	SPA757MN	SPA757	757	SPA1857MN	SPA1857	1857
SPZ560MN	SPZ560	560	SPZ1362MN	SPZ1362	1362	SPA782MN	SPA782	782	SPA1882MN	SPA1882	1882
SPZ562MN	SPZ562	562	SPZ1387MN	SPZ1387	1387	SPA800MN	SPA800	800	SPA1900MN	SPA1900	1900
	SPZ587	587	SPZ1400MN	SPZ1400	1400	SPA807MN	SPA807	807	SPA1907MN	SPA1907	1907
SPZ612MN	SPZ612	612	SPZ1412MN	SPZ1412	1412	SPA819MN		819	SPA1932MN	SPA1932	1932
	SPZ615	615	SPZ1420MN		1420	SPA832MN	SPA832	832	SPA1950MN	SPA1950	1950
SPZ630MN	SPZ630	630	SPZ1437MN	SPZ1437	1437	SPA850MN	SPA850	850	SPA1957MN	SPA1957	1957
SPZ637MN	SPZ637	637	SPZ1450MN	SPZ1450	1450	SPA857MN	SPA857	857	SPA1982MN	SPA1982	1982
SPZ662MN	SPZ662	662	SPZ1462MN	SPZ1462	1462	SPA882MN	SPA882	882	SPA2000MN	SPA2000	2000
SPZ670MN	SPZ670	670	SPZ1487MN	SPZ1487	1487	SPA900MN	SPA900	900	SPA2032MN	SPA2032	2032
SPZ687MN	SPZ687	687	SPZ1500MN	SPZ1500	1500	SPA907MN	SPA907	907	SPA2057MN	SPA2057	2057
SPZ710MN	SPZ710	710	SPZ1512MN	SPZ1512	1512	SPA925MN	SPA925	925	SPA2060MN	SPA2060	2060
SPZ722MN	SPZ722	722	SPZ1520MN		1520	SPA932MN	SPA932	932	SPA2082MN	SPA2082	2082
SPZ730MN	SPZ730	730	SPZ1537MN	SPZ1537	1537	SPA950MN	SPA950	950	SPA2120MN	SPA2120	2120
SPZ737MN	SPZ737	737	SPZ1550MN	SPZ1550	1550	SPA957MN	SPA957	957	SPA2132MN	SPA2132	2132
SPZ750MN	SPZ750	750	SPZ1562MN	SPZ1562	1562	SPA975MN	SPA975	975		SPA2180	2180
SPZ760MN		760		SPZ1575	1575	SPA982MN	SPA982	982	SPA2182MN	SPA2182	2182
SPZ762MN	SPZ762	762	SPZ1587MN	SPZ1587	1587	SPA1000MN	SPA1000	1000	SPA2207MN	SPA2207	2207
SPZ772MN	SPZ772	772	SPZ1600MN	SPZ1600	1600	SPA1007MN	SPA1007	1007	SPA2232MN	SPA2232	2232
SPZ775MN	SPZ775	775	SPZ1612MN	SPZ1612	1612	SPA1030MN	SPA1030	1030	SPA2240MN	SPA2240	2240
SPZ787MN	SPZ787	787	SPZ1637MN	SPZ1637	1637	SPA1032MN	SPA1032	1032	SPA2282MN	SPA2282	2282
SPZ800MN	SPZ800	800	SPZ1650MN	SPZ1650	1650		SPA1057	1057	SPA2300MN	SPA2300	2300
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SPZ825MN	SPZ825	825	SPZ1687MN	SPZ1687	1687	SPA1082MN	SPA1082	1082	SPA2332MN	SPA2332	2332
SPZ837MN	SPZ837	837	SPZ1700MN	SPZ1700	1700	SPA1090MN	SPA1090	1090	SPA2360MN	SPA2360	2360
SPZ850MN	SPZ850	850	SPZ1737MN	SPZ1737	1737	SPA1107MN	SPA1107	1107	SPA2382MN	SPA2382	2382
SPZ862MN	SPZ862	862	SPZ1750MN	SPZ1750	1750	SPA1120MN	SPA1120	1120	SPA2430MN	SPA2430	2430
SPZ875MN	SPZ875	875	SPZ1762MN	SPZ1762	1762	SPA1132MN	SPA1132	1132		SPA2432	2432
SPZ887MN	SPZ887	887	SPZ1782MN		1782	SPA1140MN		1140	SPA2482MN	SPA2482	2482
SPZ900MN	SPZ900	900	SPZ1787MN	SPZ1787	1787	SPA1150MN	SPA1150	1150	SPA2500MN	SPA2500	2500
SPZ912MN	SPZ912	912	SPZ1800MN	SPZ1800	1800	SPA1157MN	SPA1157	1157	SPA2532MN	SPA2532	2532
SPZ925MN	SPZ925	925	SPZ1812MN	SPZ1812	1812	SPA1180MN	SPA1180	1180	SPA2582MN	SPA2582	2582
SPZ937MN	SPZ937	937	SPZ1837MN	SPZ1837	1837	SPA1207MN	SPA1207	1207	SPA2607MN	SPA2607	2607
SPZ950MN	SPZ950	950	SPZ1850MN	SPZ1850	1850	SPA1215MN	SPA1215	1215	SPA2632MN	SPA2632	2632
SPZ962MN	SPZ962	962	SPZ1862MN	SPZ1862	1862	SPA1232MN	SPA1232	1232	SPA2650MN	SPA2650	2650
SPZ975MN	SPZ975	975	SPZ1887MN	SPZ1887	1887	SPA1250MN	SPA1250	1250	SPA2682MN	SPA2682	2682
SPZ987MN	SPZ987	987	SPZ1900MN	SPZ1900	1900	SPA1257MN	SPA1257	1257	SPA2732MN		2732
SPZ1000MN	SPZ1000	1000	SPZ1937MN	SPZ1937	1937	SPA1272MN	SPA1272	1272	SPA2782MN	SPA2782	2782
SPZ1010MN		1010	SPZ1950MN	SPZ1950	1950	SPA1282MN	SPA1282	1282	SPA2800MN	SPA2800	2800
SPZ1012MN	SPZ1012	1012	SPZ1987MN	SPZ1987	1987	SPA1285MN	SPA1285	1285	SPA2832MN	SPA2832	2832
	SPZ1024	1024	SPZ2000MN	SPZ2000	2000	SPA1307MN	SPA1307	1307	SPA2847MN	SPA2847	2847
SPZ1025MN		1025	SPZ2037MN	SPZ2037	2037	SPA1320MN	SPA1320	1320		SPA2872	2872
SPZ1030MN	SPZ1030	1030	SPZ2060MN	SPZ2060	2060	SPA1332MN	SPA1332	1332	SPA2882MN	SPA2882	2882
SPZ1037MN	SPZ1037	1037	SPZ2120MN	SPZ2120	2120	SPA1357MN	SPA1357	1357	SPA2900MN	SPA2900	2900
SPZ1047MN	SPZ1047	1047	SPZ2137MN	SPZ2137	2137	SPA1360MN	SPA1360	1360	SPA2932MN	SPA2932	2932
SPZ1060MN	SPZ1060	1060		SPZ2150		SPA1382MN	SPA1382	1382	SPA2982MN	SPA2982	2982
SPZ1062MN	SPZ1062	1062	SPZ2160MN		2160	SPA1400MN	SPA1400	1400	SPA3000MN	SPA3000	3000
SPZ1077MN	SPZ1077	1077	SPZ2180MN	SPZ2180	2180	SPA1407MN	SPA1407	1407		SPA3032	3032
SPZ1080MN		1080	SPZ2187MN	SPZ2187	2187	SPA1432MN	SPA1432	1432		SPA3082	3082
SPZ1087MN	SPZ1087	1087	SPZ2240MN	SPZ2240	2240	SPA1450MN	SPA1450	1450	SPA3150MN	SPA3150	3150
SPZ1090MN	SPZ1090	1090	SPZ2262MN		2262	SPA1457MN	SPA1457	1457		SPA3182	3182
SPZ1112MN	SPZ1112	1112	SPZ2280MN		2280	SPA1482MN	SPA1482	1482		SPA3282	3282
SPZ1120MN	SPZ1120	1120	SPZ2287MN	SPZ2287	2287	SPA1500MN	SPA1500	1500	SPA3350MN	SPA3350	3350
SPZ1137MN	SPZ1137	1137	SPZ2360MN	SPZ2360	2360	SPA1507MN	SPA1507	1507		SPA3382	3382
SPZ1140MN		1140	SPZ2410MN		2410	SPA1532MN	SPA1532	1532	SPA3550MN	SPA3550	3550
SPZ1150MN	SPZ1150	1150	SPZ2430MN	SPZ2430	2430	SPA1550MN	SPA1550	1550		SPA3650	3650
SPZ1162MN	SPZ1162	1162	SPZ2500MN	SPZ2500	2500	SPA1557MN	SPA1557	1557	SPA3750MN	SPA3750	3750
SPZ1180MN	SPZ1180	1180	SPZ2540MN	SPZ2540	2540	SPA1582MN	SPA1582	1582	SPA4000MN	SPA4000	4000
SPZ1187MN	SPZ1187	1187	SPZ2650MN	SPZ2650	2650	SPA1600MN	SPA1600	1600		SPA4250	4250
SPZ1200MN		1200	SPZ2690MN	SPZ2690	2690	SPA1607MN	SPA1607	1607		SPA4500	4500
SPZ1202MN	SPZ1202	1202	SPZ2800MN	SPZ2800	2800	SPA1632MN	SPA1632	1632		SPA5000	5000
SPZ1212MN	SPZ1212	1212	SPZ2840MN	SPZ2840	2840	SPA1650MN	SPA1650	1650			
	SPZ1215	1215	SPZ3000MN	SPZ3000	3000	SPA1657MN	SPA1657	1657			
SPZ1237MN	SPZ1237	1237	SPZ3150MN	SPZ3150	3150	SPA1682MN	SPA1682	1682			
SPZ1250MN	SPZ1250	1250	SPZ3350MN	SPZ3350	3350	SPA1700MN	SPA1700	1700			
SPZ1262MN	SPZ1262	1262	SPZ3550MN	SPZ3550	3550	SPA1707MN	SPA1707	1707			
SPZ1270MN		1270		SPZ3750	3750	SPA1732MN	SPA1732	1732			
	SPZ1285	1285				SPA1750MN	SPA1750	1750			
SPZ1287MN	SPZ1287	1287				SPA1757MN	SPA1757	1757			
SPZ1312MN	SPZ1312	1312				SPA1782MN	SPA1782	1782			
SPZ1320MN	SPZ1320	1320				SPA1800MN	SPA1800	1800			
SPZ1337MN	SPZ1337	1337				SPA1807MN	SPA1807	1807			
SPZ1340MN		1340				SPA1832MN	SPA1832	1832			



SPB			SPC		
Description		Datum length	Description		Datum length
MN	Wrapped Super HC®	mm	MN	Wrapped Super HC®	mm
SPB1250MN	SPB1250	1250	SPC2000MN	SPC2000	2000
SPB1260MN		1260	SPC2120MN	SPC2120	2120
SPB1320MN	SPB1320	1320	SPC2240MN	SPC2240	2240
SPB1340MN		1340	SPC2360MN	SPC2360	2360
	SPB1360	1360	SPC2500MN	SPC2500	2500
SPB1400MN	SPB1400	1400		SPC2550	2550
SPB1410MN		1410	SPC2650MN	SPC2650	2650
	SPB1450	1450	SPC2800MN	SPC2800	2800
SPB1500MN	SPB1500	1500	SPC3000MN	SPC3000	3000
SPB1510MN		1510	SPC3150MN	SPC3150	3150
	SPB1550	1550	SPC3350MN	SPC3350	3350
SPB1590MN		1590	SPC3550MN	SPC3550	3550
SPB1600MN	SPB1600	1600	SPC3750MN	SPC3750	3750
	SPB1650	1650	SPC4000MN	SPC4000	4000
SPB1690MN		1690		SPC4100	4100
SPB1700MN	SPB1700	1700	SPC4250MN	SPC4250	4250
SPB1750MN	SPB1750	1750	SPC4500MN	SPC4500	4500
	SPB1778	1778	SPC4750MN	SPC4750	4750
SPB1800MN	SPB1800	1800		SPC5000	5000
	SPB1850	1850		SPC5300	5300
	SPB1860	1860		SPC5600	5600
SPB1900MN	SPB1900	1900		SPC5800	5800
	SPB1930	1930		SPC6000	6000
	SPB1950	1950		SPC6300	6300
SPB2000MN	SPB2000	2000		SPC6500	6500
SPB2020MN	SPB2020	2020		SPC6700	6700
	SPB2060	2060		SPC7100	7100
	SPB2098	2098		SPC7500	7500
SPB2120MN	SPB2120	2120		SPC8000	8000
SPB2150MN	SPB2150	2150		SPC8500	8500
	SPB2180	2180		SPC9000	9000
	SPB2200	2200		SPC9500	9500
SPB2240MN	SPB2240	2240		SPC10000	10000
SPB2280MN	SPB2280	2280		SPC10600	10600
	SPB2300	2300		SPC11200	11200
SPB2360MN	SPB2360	2360		SPC11800	11800
	SPB2391	2391		SPC12000	12000
	SPB2400	2400		SPC12500	12500
SPB2410MN		2410		SPC13500	13500
SPB2500MN	SPB2500	2500		SPC13800	13800
SPB2530MN		2530		SPC14200	14200
	SPB2600	2600		SPC15000	15000
SPB2650MN	SPB2650	2650		SPC16500	16500
SPB2680MN	SPB2680	2680			
SPB2800MN	SPB2800	2800			
SPB2840MN	SPB2840	2840			
	SPB2850	2850			
	SPB2900	2900			
SPB2990MN		2990			
SPB3000MN	SPB3000	3000			
SPB3150MN	SPB3150	3150			
	SPB3250	3250			
	SPB3320	3320			
SPB3350MN	SPB3350	3350			
	SPB3450	3450			
SPB3550MN	SPB3550	3550			
	SPB3650	3650			
SPB3750MN	SPB3750	3750			
	SPB3800	3800			
	SPB3870	3870			
SPB4000MN	SPB4000	4000			
	SPB4120	4120			
SPB4250MN	SPB4250	4250			
SPB4500MN	SPB4500	4500			
SPB4750MN	SPB4750	4750			
	SPB4820	4820			
	SPB4870	4870			
	SPB5000	5000			
	SPB5300	5300			
	SPB5600	5600			
	SPB6000	6000			
	SPB6300	6300			
	SPB6700	6700			
	SPB7100	7100			
	SPB7500	7500			
	SPB8000	8000			

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.