HI-POWER®

Wrapped V-belt of conventional cross-section





The wrapped classical section Hi-Power® V-belt has a long reputation for reliability on agricultural and industrial applications. The arched top of the Hi-Power® belt provides superior strength to prevent "dishing" and distortion of the tensile section. The cords are properly aligned, each of them carrying its full share of the load.
The Flex Weave® oil and heat resistant cover increases the angle facing the direction of pull. As a result, the Flex Weave® fabric develops even less stress for a given amount of bending.

Identification

Durable red marking indicating type and dimensions.

Construction

- Classical cross-section.
- Arched top, concave sidewalls and rounded corners provide uniform tensile loading and uniform pulley sidewall contact for excellent belt service life 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.
- High-quality rubber compound protects the belt against heat, ozone and sunlight.
- The belt will not catch fire from heat build-up, even with severe slippage.
- Static conductive (ISO 1813).

Advantages

- Excellent performance/cost ratio.
- Reliability and efficiency.
- Long belt life reducing replacement and maintenance costs.
- Match system: all sizes meet Gates UNISET tolerances.

Sections and nominal dimensions



	Width mm	Height mm
Z	10	6
A	13	8
B	17	11
C	22	14
D	32	19

Z 10 mm

ISO belt ref.	Datum length mm ISO
Z-17 1/2	470
Z-18 1/2	495
Z-19	505
Z-19 1/2	520
Z-20 1/2	550
Z-22	580
Z-22 1/2	595
Z-23 1/2	620
Z-24	630
Z-25	655
Z-26 1/2	695
Z-28	730
Z-29	755
Z-29 1/2	770
Z-30 1/2	795
Z-31	805
Z-31 1/2	820
Z-32 1/2	845
Z-33 1/2	870
Z-34 1/2	895
Z-35 1/2	920
Z-36	930
Z-37	955
Z-37 1/2	970
Z-38 1/2	995
Z-39	1005
Z-39 1/2	1020
Z-41 1/2	1070
Z-42	1080
Z-44	1140
Z-45	1170
Z-45 1/2	1180
Z-46	1200
Z-47	1220
Z-48	1245
Z-48 1/2	1255
Z-49	1270
Z-50	1295
Z-51	1320
Z-52	1340
Z-55	1420
Z-57	1470
Z-59	1520
Z-63 1/2	1630
Z-67	1720
Z-71	1820
Z-75	1920

Dimensions in bold are available from stock.

A 13 mm

ISO belt ref.	Datum length mm ISO
A-21	570
A-22	595
A-23	620
A-23 1/2	630
A-24	645
A-24 1/2	655
A-25	680
A-26	705
A-27	720
A-27 1/2	730
A-28	745
A-28 1/2	755
A-29 1/2	780
A-30	795
A-31	825
A-32	850
A-33	875
A-34	900
A-35	925
A-36	950
A-37	975
A-38	1000
A-39	1025
A-40	1055
A-41	1080
A-41 1/2	1090
A-42	1105
A-43	1130
A-44	1155
A-45	1180
A-46	1205
A-47	1230
A-48	1255
A-49	1280
A-50	1310
A-51	1330
A-52	1355
A-53	1385
A-54	1410
A-55	1435
A-56	1460
A-57	1485
A-58	1510
A-59	1535
A-60	1560
A-61	1585
A-62	1610
A-63	1635
A-64	1660
A-65	1690
A-66	1715
A-67	1735
A-68	1765
A-69	1790
A-70	1815
A-71	1840
A-72	1865
A-73	1890
A-74	1915
A-75	1940
A-76	1965
A-77	1990
A-78	2020
A-79	2040
A-80	2070
A-81	2095
A-82	2120
A-83	2145
A-84	2170
A-85	2195
A-86	2220
A-87	2245
A-88	2270
A-89	2295
A-90	2325
A-91	2350
A-92	2375
A-93	2400
A-94	2425
A-95	2450
A-96	2475
A-97	2500
A-98	2525
A-100	2575
A-102	2625
A-104	2680
A-105	2705
A-108	2780
A-110	2830
A-112	2880
A-118	3035
A-120	3085
A-124	3185
A-128	3290
A-130	3340
A-134	3440
A-136	3490
A-140	3590
A-144	3695
A-147	3770
A-158	4050
A-173	4430
A-180	4610

B 17 mm

ISO belt ref.	Datum length mm ISO
B-25	695
B-26	710
B-27	735
B-27 1/2	745
B-28	770
B-29	795
B-30	815
B-31	845
B-32	870
B-33	895
B-34	920
B-35	940
B-36	965
B-37	990
B-38	1015
B-39	1040
B-40	1065
B-41	1095
B-42	1120
B-43	1145
B-44	1170
B-45	1195
B-46	1220
B-47	1245
B-48	1270
B-49	1295
B-50	1320
B-51	1345
B-52	1370
B-53	1395
B-54	1425
B-55	1450
B-56	1475
B-57	1500
B-58	1525
B-59	1550
B-60	1575
B-61	1600
B-62	1625
B-63	1650
B-64	1675
B-65	1700
B-66	1730
B-67	1755
B-68	1780
B-69	1805
B-70	1830
B-71	1855
B-72	1880
B-73	1905
B-74	1930
B-75	1955
B-76	1980
B-77	2005
B-78	2030
B-79	2060
B-80	2085
B-81	2110
B-82	2135
B-83	2160
B-84	2185
B-85	2210
B-86	2235
B-87	2260
B-88	2285
B-89	2310
B-90	2335
B-91	2365
B-92	2390
B-93	2415
B-94	2440
B-95	2465
B-96	2490
B-97	2515
B-98	2540
B-99	2565
B-100	2590
B-102	2640
B-103	2665
B-104	2695
B-105	2720
B-106	2745
B-108	2795
B-110	2845
B-112	2895
B-114	2945
B-116	3000
B-118	3050
B-120	3100
B-122	3150
B-124	3200
B-128	3300
B-130	3350
B-131	3380
B-133	3430
B-134	3455
B-136	3505
B-140	3610
B-144	3710
B-147	3785
B-148	3810
B-152	3910

INGEMINDPERÚ
EQUIPOS MINEROS INDUSTRIALES

HEAVY-DUTY V-BELTS

B 17 mm

ISO belt ref.	Datum length mm ISO
B-157	4040
B-158	4065
B-162	4165
B-165	4240
B-167	4295
B-173	4445
B-175	4495
B-177	4545
B-180	4625
B-186	4775

C 22 mm

ISO belt ref.	Datum length mm ISO
C-42	1145
C-43	1165
C-46	1245
C-48	1290
C-49	1320
C-51	1370
C-53	1420
C-54	1445
C-55	1470
C-59	1570
C-60	1595
C-62	1650
C-65	1725
C-66	1750
C-68	1800
C-70	1850
C-71	1875
C-72	1900
C-74	1950
C-75	1980
C-78	2055
C-81	2130
C-82	2155
C-83	2180
C-85	2230
C-88	2310
C-90	2360
C-92	2410
C-93	2435
C-95	2485
C-96	2510
C-97	2535
C-98	2560
C-99	2590
C-100	2615
C-102	2665
C-104	2715
C-105	2740
C-108	2815
C-110	2865
C-112	2920
C-115	2995
C-116	3020
C-118	3070
C-120	3120
C-124	3225
C-128	3325
C-130	3375
C-132	3425
C-134	3475
C-136	3525
C-140	3630

ISO belt ref.	Datum length mm ISO
C-144	3730
C-147	3805
C-153	3960
C-158	4085
C-162	4190
C-165	4265
C-173	4465
C-177	4570
C-180	4645
C-195	5025
C-208	5355
C-210	5405
C-222	5660
C-225	5735
C-238	6065
C-240	6120
C-250	6370
C-255	6500
C-265	6755
C-270	6880
C-280	7135
C-285	7260
C-300	7640
C-330	8405

D 32 mm

ISO belt ref.	Datum length mm ISO
D-98	2570
D-104	2720
D-110	2975
D-120	3130
D-124	3230
D-128	3330
D-137	3560
D-140	3635
D-144	3740
D-158	4095
D-162	4195
D-170	4400
D-173	4475
D-177	4575
D-180	4650
D-187	4830
D-195	5035
D-197	5085
D-204	5260
D-210	5415
D-223	5680
D-240	6115
D-250	6365
D-270	6875
D-282	7180
D-298	7585
D-300	7635
D-330	8400
D-360	9160

Hi-Power® ordering code is composed as follows:

Example: Z20.5	
Z	- Section
20.5	- Length in inch (RMA)

Dimensions in bold are available from stock.

INSUMINDUSTRIAL PERU
INSUMOS MINEROS INDUSTRIALES

Hi-Power® Dubl-V

Gates' Hi-Power® Dubl-V belt is a wrapped V-belt of conventional cross-section, characterised by a double-V profile. It uses flex-bonded tensile cords, which are highly resistant to flexing forces, and a protective Flex-Weave® cover.
It is the ideal solution for "serpentine" drives (drives with counterrotating shafts) requiring power to be transmitted to grooved pulleys from both the top and the bottom of the belts.

AA — 13 mm

Belt ref.	Effective length mm RMA	Datum length mm ISO
AA51	1350	1330
AA55	1450	1435
AA60	1575	1560
AA68	1780	1765
AA75	1960	1940
AA80	2085	2070
AA85	2210	2195
AA90	2340	2325
AA92	2390	2375
AA96	2490	2475
AA105	2720	2705
AA112	2900	2880
AA120	3100	3085
AA128	3305	3290

BB — 17 mm

Belt ref.	Effective length mm RMA	Datum length mm ISO
BB35	965	940
BB38	1040	1015
BB42	1140	1120
BB43	1165	1145
BB45	1215	1195
BB46	1240	1220
BB51	1370	1345
BB53	1420	1395
BB55	1470	1450
BB60	1600	1575
BB68	1800	1780
BB71	1880	1855
BB73	1925	1905
BB74	1955	1930
BB75	1980	1955

BB — 17 mm

Belt ref.	Effective length mm RMA	Datum length mm ISO
BB81	2130	2110
BB85	2235	2210
BB90	2360	2335
BB92	2410	2390
BB93	2435	2415
BB94	2460	2440
BB97	2535	2515
BB105	2740	2720
BB107	2790	2770
BB108	2815	2795
BB111	2895	2870
BB112	2920	2895
BB116	3020	3000
BB118	3070	3050
BB120	3120	3100
BB122	3170	3150
BB123	3195	3175
BB124	3220	3200
BB127	3300	3275
BB128	3325	3300
BB129	3350	3325
BB130	3375	3350
BB136	3528	3505
BB144	3730	3710
BB155	4010	3990
BB158	4085	4065
BB168	4340	4320
BB169	4365	4345
BB173	4470	4445
BB180	4645	4625
BB195	5025	5005
BB210	5410	5385
BB226	5814	5755
BB228	5864	5805
BB230	5915	5855
BB240	6130	6110
BB270	6895	6870
BB277	7070	7050
BB300	7655	7635

CC — 22 mm

Belt ref.	Effective length mm RMA	Datum length mm ISO
CC75	2010	1980
CC81	2165	2130
CC85	2265	2230
CC90	2395	2360
CC96	2545	2510
CC105	2775	2740
CC112	2950	2920
CC120	3155	3120
CC128	3360	3325
CC136	3560	3525
CC144	3765	3730
CC158	4120	4085
CC162	4220	4190
CC173	4500	4465
CC180	4680	4645
CC195	5060	5025
CC210	5440	5405
CC240	6150	6120
CC270	6915	6880
CC300	7675	7640
CC330	8440	8405
CC360	9200	9165
CC390	9960	9930
CC420	10725	10690

DD — 32 mm

Belt ref.	Effective length mm RMA	Datum length mm ISO
DD210	5465	5415
DD270	6925	6875
DD300	7690	7635
DD360	9215	9160

Hi-Power® Dubl-V ordering code is composed as follows:

Example: AA51	
AA	- Section (double)
51	- Length in inch (RMA)

Dimensions in bold are available from stock.

SUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES