Stock D-V Wedge Drives: Standard Motor Speeds

Step 1—Determine Service Factor. Refer to Typical Service Factors, Table 2. Locate type of Driven and Driver equipment. (If an idler is used, increase the factor by value indicated). Correct factor is determined by: **1.** The extent and frequency of peak loads. **2.** Number of operating hours/year (broken down in average hours/day of continuous service). **3.** Proper service category. (Intermittent, Normal or Continuous). Select the one closest to the application conditions.

Step 2—Compute Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 1.

Step 3—Choose Belt Section. Using Table 1, below, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt section.

Step 4—Select the Drive. a). Using belt section from Step 3, refer to Stock Drive Selection Tables beginning on page PT7–46. **b).** Under appropriate driver speed column find Driven RPM nearest to the desired speed. To the right note HP per Belt. Read left for Driver/Driven Sheave information. (If driver is an electric motor be sure motor sheave diameter is not less than shown in Table 3). **c).** Read onto opposite page and find figure nearest the required center distance. Note Arc-Length Correction Factor in the shaded row **below** the C.D. figure. **d).** Read to the top of the table for the belt size. **e). To determine number of belts,** multiply the HP per Belt value by the ArcLength Correction Factor. This is the corrected hp/belt. Divide design HP by corrected HP figure to determine number of belts required.

EXAMPLE OF SELECTION

Select a D-V Wedge drive for a positive blower, with a 2-$^{15}/_{16}$″ shaft, to run @ 290 RPM, driven by a 30 HP, 1160 squirrel cage electric motor with a 2$^{1}/_{8}$″ shaft. Desired center distance is 26″. Service is continuous.

Step 1—Service factor from Table 2 is 1.4.

Step 2—Design HP = 1.4x30 = 42 HP.

Step 3—A 5V belt section is shown in Table 1 when reading to the right of 1160 RPM and up from 42 design HP.

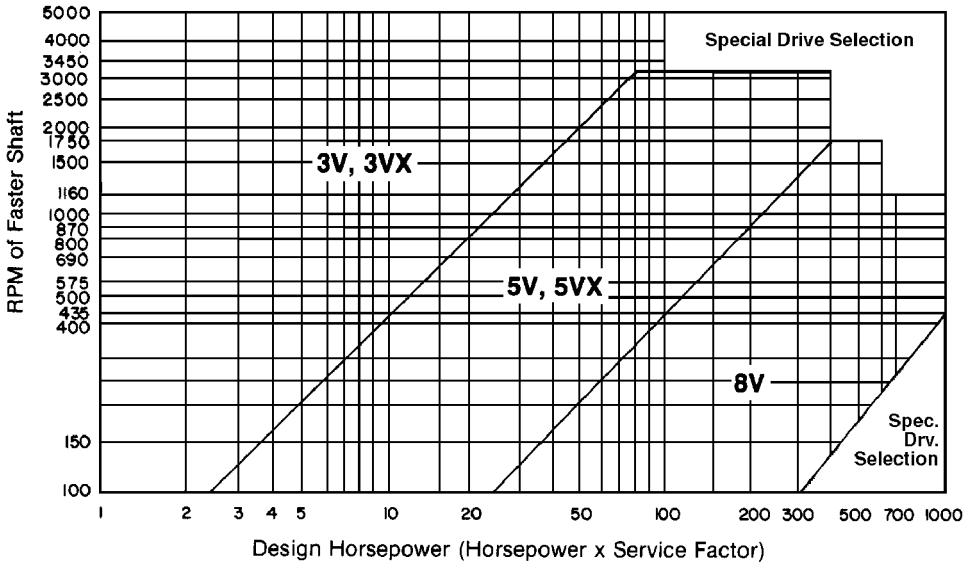
Step 4—Turn to 5V Stock Drive Selection Tables. On page PT7–68, under 1160 RPM Driver, read down to find 290 RPM. The nearest appears as 291.

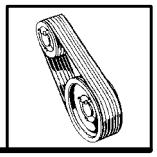
Note HP/belt as 10.00 for all D-V and POLYBAND belts over 200" and 12.00 for POLYBAND belts under 200". Also note sheaves listed as 7.1 Driver, 28.0 Driven. Table 3 shows driver is not undersize. Reading toward the right the C.D. figure nearest 26″ is 26.4. The correction factor below the C.D. figure is .92. Top of table shows belt size as 5VX 1120.

The HP/belt for D-V is 12.00. This value x the .92 factor= 11.04 corrected HP/belt. 42 HP ÷ 11.04 = 3.80 Going to the next whole number, drive requires 3 belts. (Center to center operating distance is 26.4 nominal.)

Order: 1. 4-5VX 1120 D-V belts. **2.** 1 - 4/5V7.1-2517 Taper-Lock Sheave. **3.** 1 - 2$^{1}/_{8}$″ bore 2517 bushing. **4.** 1 - 4/5V28.0-3535 TAPER-LOCK Sheave. **5.** 1 - 2$^{15}/_{16}$″ bore 3535 bushing.

TABLE 1 — NARROW CROSS SECTION SELECTION CHART





Service Factors

Table 2 - Typical Service Factors

Driven Machine Types Note: Certain machines may require flywheel sheaves or special construction to withstand heavy shock loads. Consult Mfg'r.	Driver: Normal Torque NEMA Des. A or B Motors DC Shunt Wound Motors Multi-Cylinder Engines			Driver: High Torque NEMA Des. C or D Motors DC Series Wound Motors Single Cylinder Engines		
	Service*			Service*		
	Intermit.	Normal	Contin.	Intermit.	Normal	Cont.
Agitators for Liquids Blowers and Exhausters Centrif. Pumps, Compressors Fans up to 10HP Light Duty Conveyors	**1.0**	**1.1**	**1.2**	**1.1**	**1.2**	**1.3**
Belt Conveyors, Bulk Mat'l Dough Mixers Fans over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches, Presses, Shears Printing Machinery Positive Displ. Rotary Pumps Revolving & Vibrating Screens	**1.1**	**1.2**	**1.3**	**1.2**	**1.3**	**1.4**
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors: Drag, Pan, Screw Paper Mill Beaters Piston Pumps Pos. Displacement Blowers Pulverizers Saw Mill, Woodworking Mach'y Textile Machinery	**1.2**	**1.3**	**1.4**	**1.4**	**1.5**	**1.6**
Crushers: Gyratory, Jaw, Roll Mills: Ball, Rod, Tube Hoists Rubber Calendars, Extruders, Mills	**1.3**	**1.4**	**1.5**	**1.6**	**1.7**	**1.8**
Chokable Equipment, Fire Hazzard	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

*** Note:**
Intermittent:
Up to 6 Hrs/Day
Normal:
6-16 Hrs/Day
Continuous:
16-24 Hrs/Day

Adder for Idlers:
Outside on slack side 0.1
Inside on tight side 0.1
Outside on tight side 0.2

Table 3 - NEMA Min. Sheave Dia. for D-V Wedge Drives

Motor		Motor Horsepower																								
RPM	Sheave	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400
870	Min O.D.	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	5.2	6.0	6.8	6.8	6.8	8.2	8.4	10.0	9.5	12.0	12.5	13.2	13.2	15.0	. . .	. . .	. . .
	Max F.W.	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	8.5	8.5	11.6	11.6	11.6	. . .	. . .	. . .
1160	Min O.D.	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.4	5.2	6.0	6.8	6.8	8.2	9.0	10.0	10.0	12.0	13.2	13.2	13.2	15.0	14.1	. . .
	Max F.W.	. . .	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	8.5	8.5	11.6	11.6	11.6	11.6	. . .
1750	Min O.D.	. . .	. . .	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.4	4.4	5.2	6.0	6.8	7.4	8.6	8.6	10.5	10.5	13.2	13.2	13.2	13.2	14.1
	Max F.W.	. . .	. . .	2.3	2.3	2.3	2.8	2.8	3.4	3.4	4.0	4.0	4.7	4.7	5.3	5.3	5.9	5.9	7.3	7.3	8.5	9.4	9.4	11.6	11.6	11.6
3500	Min O.D.	. . .	. . .	. . .	2.2	2.4	2.4	3.0	3.8	4.4	4.4	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	Max F.W.	. . .	. . .	. . .	2.3	2.3	2.8	2.8	3.4	4.0	4.0	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .

Data in unshaded area is per NEMA Standard MG1-14.42. Data in shaded area subject to approval of motor manufacturer.
F.W. = Face Width of sheave

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

Stock D-V Wedge Drives: Non Standard Motor Speeds & Speed-up Drives

For Speeds Other Than Standard Motor Speeds:

Step 1 - Determine Speed Ratio $= \left(\frac{\text{Driver RPM}}{\text{Driven RPM}}\right)$

Step 2 - Compute Design HP Multiply normal running HP required or nameplate rating by service factor from Table 2.

Step 3 - Determine Maximum Diameter of Driver Sheave

@ 6500 FPM : O.D. $= \frac{6500 \text{ FPM}}{.262 \times \text{RPM}}$

Step 4 - Select Belt Cross Section. Using Table 1, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt section.

Step 5 - Select Drive. Using the belt section from Step 4, make a tentative sheave selection from **stock drive tables**. (Note that several choices are available in the ratio obtained from Step 1. Other choices close to this ratio may also produce a functional drive.) Read onto opposite page and find figure nearest the required center distance. The Arc-Length correction factor is listed in the **shaded row below** the C.D. figure. Read to the top of the table for the belt size.

Step 6 - Size the Drive. From basic horsepower tables locate HP rating at intersection of RPM of faster shaft row and small sheave column. To this, add the "additional HP" figure based on drive ratio. This becomes the rated HP. Multiply this sum by the arc-length correction factor noted in Step 5. This becomes the corrected HP per belt. To find

Required number of belts : $\frac{\text{Design HP}}{\text{Correction HP/Belt}}$

EXAMPLE OF SELECTION

A V-drive is needed for a 30 HP 2200 RPM gasoline engine, with a $2^1/_4$″ dia. shaft, driving a generator, with a $2^7/_{16}$″ dia. shaft, @ 1800 RPM. It runs 8 hrs. a day. Center distance is 31″.

Step 1 - Speed Ratio $= \frac{2200}{1800} = 1.23$

Step 2 - Service Factor = 1.2 Design HP = 30 x 1.2 = 36

Step 3 - Driver Sheave Max. Dia. $= \frac{6500}{.262 \text{x} 2200} = 11.3$

Step 4 - Belt Cross Section = Table 1 indicates 3VX.

Step 5 - In 3VX **Stock Drive Selection Tables** on pages PT7–48 and PT7–49, find the 1.23 ratio obtained in the Step 1 calculation. At the top of page PT7–48, the most economical drive is shown as 6.5 Driver, 8.0 Driven. The C.D. nearest 31″ is 31.1. The correction factor below the C.D. figure is 1.05. Top of the column shows a 3VX850 belt. Refer to **Basic HP Tables** on page PT7–78. and PT7–79. From the 2200 RPM of faster shaft row and down from the 6.5 smaller sheave heading: 10.2 HP/belt plus an additional hp of .23 in the 1.19 thru 1.26 ratio column. The sum = 10.43 HP/belt x 1.05 arc length correction factor = 10.95 HP/belt.

Number of belts $= \frac{36}{10.95} = 3.28$ or 4 belts

Order: 1- 4 groove 3V 6.5 TAPER-LOCK Sheave, 1-2517 $2^1/_4$″ bore bushing, 1-4 groove 8.0 TAPER-LOCK Sheave, 1- 2517 $2^7/_{16}$″ bore bushing, 4-3VX850 D-V Wedge Belts.

Example of a 3V Speed-Up Drive—

A 20 HP 1750 RPM AC motor, with a 1-5/8" dia. shaft, is to drive a blower, with a 1-7/16" shaft, @ 2500 RPM. The center distance = 26". Equipment runs 24 hrs./day.

1. Service Factor from Table 2 is 1.2.
2. Design HP=20x1.2=24 HP
3. Speed Ratio $= \frac{2500}{1750} = 1.43$
4. In Stock Drive Table, under 1.43 ratio, sheaves are listed as 5.6 Driver/8.0 Driven. (In a speed-up drive, the 5.6 sheave becomes the Driven, the 8.0 the Driver). The opposite page of the table shows the closest center distance as 26.8 with an arc correction factor of 1.03. Belt shown at top of column is 3VX750.
5. From **Basic Horsepower Tables** a 5.6 sheave @ 2500 RPM = (9.46 + .37) = 9.83. 9.83 X 1.03 arc length correction factor = 10.12 corrected HP/belt.
6. Number of Belts $= \frac{\text{Design HP}}{\text{Corrected HP}} = \frac{24}{10.12} = 2.37$ or 3 belts.
7. Order: 1-3 groove 3V 8.0 TAPER-LOCK Sheave, 1-$1^5/_8$″ bore 2517 bushing, 1-3 groove 3V 5.6 TAPER-LOCK Sheave, 1-$1^7/_{16}$″ bore 1610 bushing, 3-3VX750 D-V belts.

Table 4 - Narrow Belt Length Correction Factors

Belt Lgth. s	Factor for Belts: 3VX	5V, 5VX	8V, 8VX	Belt Lgth. s	Factor for Belts: 3VX	5V, 5VX	8V, 8VX
25	.83	...	...	118	1.12	.99	.89
26.5	.84	...	...	125	1.13	1.00	.90
28	.85	...	...	132	1.14	1.01	.91
30	.86	...	...	140	1.15	1.02	.92
31.5	.87	...	...	150	1.16	1.03	.93
33.5	.88	...	...	160	...	1.04	.94
35.5	.89	..	...	170	...	1.05	.94
37.5	.90	..	...	180	...	1.06	.95
40	.92	...	...	190	...	1.07	.96
42.5	.93	...	...	200	...	1.08	.97
45	.94	...	...	212	...	1.09	.98
47.5	.95	...	...	224	...	1.09	.98
50	.96	.85	...	236	...	1.10	.99
53	.97	.86	...	250	...	1.11	1.00
56	.98	.87	...	265	...	1.12	1.01
60	.99	.88	...	280	...	1.13	1.02
63	1.00	.89	...	300	...	1.14	1.03
67	1.01	.90	...	315	...	1.15	1.03
71	1.02	.91	...	335	...	1.16	1.04
75	1.03	.92	...	355	...	1.17	1.05
80	1.04	.93	...	375	...	...	1.06
85	1.06	.94	...	400	...	...	1.07
90	1.07	.95	...	425	...	...	1.08
95	1.08	.96	...	450	...	..	1.09
100	1.09	.96	.87	475	...	...	1.09
106	1.10	.97	.88	500	...	...	1.10
112	1.11	.98	.88	560	...	...	1.11

s Outside circumference in inches.

Table 5 - Arc Correction Factors

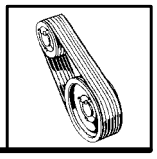
$\frac{D-d}{C}$ ★	Approx. Arc of Contact on Small Shv.	Factor
.00	180°	1.00
.10	174°	.99
.20	169°	.97
.30	163°	.96
.40	157°	.94
.50	151°	.93
.60	145°	.91
.70	139°	.89
.80	133°	.87
.90	127°	.85
1.00	120°	.82
1.10	113°	.80
1.20	106°	.77
1.30	99°	.73
1.40	91°	.70
1.50	83°	.65

★ D = Dia. of large sheave.
d = Dia. of small sheave.
C= Center distance.

NOTE: To determine required belt length when center distance and sheave diameters are known, use the following formula.

$$L = 2C + 1.57\,(D + d) + \frac{(D - d)^2}{4c}$$

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

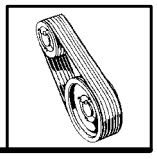
Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500RPM Driver Driven RPM	3500RPM Driver HP/Belt 5VX	3500RPM Driver HP/Belt 5V	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 5VX	1750 RPM Driver HP/Belt 5V	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 5VX	1160 RPM Driver HP/Belt 5V	Belt Number and Approx. Center Distance** 5VX 500	5VX 560	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800
1.00	4.40	4.40	3500	8.2	3.9	1750	5.9	3.1	1160	5.6	2.6	18.1	21.1	23.1	24.6	26.6	28.6	30.6	33.1
	4.65	4.65	3500	9.4	5.0	1750	6.1	3.9	1160	5.3	3.2	17.7	20.7	22.7	24.2	26.2	28.2	30.2	32.7
	4.90	4.90	3500	10.6	6.2	1750	7.5	4.7	1160	5.9	3.8	17.3	20.3	22.3	23.8	25.8	27.8	29.8	32.3
	5.20	5.20	3500	11.9	7.5	1750	8.5	5.6	1160	6.6	4.5	16.8	19.8	21.8	23.3	25.3	27.3	29.3	31.8
	5.50	5.50	3500	13.3	8.8	1750	9.4	6.6	1160	7.3	5.2	16.4	19.4	21.4	22.9	24.9	26.9	28.9	31.4
	5.90	5.90	3500	15.1	10.6	1750	10.7	7.8	1160	8.3	6.2	15.7	18.7	20.7	222	24.2	26.2	28.2	30.7
	6.30	6.30	3500	16.9	12.6	1750	11.9	9.0	1160	9.3	7.1	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	6.70	6.70	3500	18.7	13.9	1750	13.2	10.2	1160	10.4	8.1	14.5	17.5	19.5	21.0	23.0	25.0	27.0	29.5
	7.10	7.10	3500	20.4	15.6	1750	14.4	11.4	1160	11.0	9.0	13.9	16.8	18.8	20.3	22.3	24.3	26.3	28.8
	7.50	7.50	3500	...	...	1750	15.6	12.6	1160	12.2	9.9	13.2	16.2	18.2	19.7	21.7	23.7	25.7	28.2
	8.00	8.00	3500	...	...	1750	17.0	14.1	1160	13.3	11.1	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
	8.50	8.50	3500	...	...	1750	18.7	15.5	1160	14.0	12.2	11.7	14.6	16.6	18.1	20.1	22.1	24.1	26.6
	9.00	9.00	3500	...	...	1750	20.1	17.0	1160	15.7	13.4	10.9	13.9	15.9	17.4	19.4	21.4	23.4	25.9
	9.25	9.25	3500	...	...	1750	20.9	17.7	1160	16.4	13.9	10.5	13.5	15.5	17.0	19.0	21.0	23.0	25.5
	9.75	9.75	3500	...	...	1750	22.4	19.1	1160	17.4	15.1	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	10.30	10.30	3500	...	...	1750	24.0	20.6	1160	18.6	16.3	...	11.8	13.8	15.3	17.3	19.3	21.3	23.8
	10.90	10.90	3500	...	...	1750	25.7	22.2	1160	20.2	17.6	...	...	12.9	14.4	16.4	18.4	20.4	22.9
	11.30	11.30	3500	...	...	1750	26.8	23.3	1160	20.9	18.5	...	...	...	13.8	15.8	17.8	19.8	22.3
	11.80	11.80	3500	...	...	1750	28.2	24.6	1160	22.0	19.5	...	...	...	...	15.0	17.0	19.0	21.5
	12.50	12.50	3500	...	...	1750	30.2	26.4	1160	23.6	21.0	...	...	...	...	...	15.9	17.9	20.4
	13.20	13.20	3500	...	...	1750	31.1	28.2	1160	25.1	22.5	...	...	...	...	...	...	16.8	19.3
	14.00	14.00	3500	...	...	1750	34.3	30.2	1160	26.9	24.1	...	...	...	...	...	...	...	18.0
	15.00	15.00	3500	...	...	1750	...	...	1160	29.0	26.2	...	...	...	...	...	...	...	...
	16.00	16.00	3500	...	...	1750	...	...	1160	31.1	28.1	...	...	...	...	...	...	...	...
1.03	9.00	9.25	3404	28.6	23.3	1702	20.3	17.1	1128	15.7	13.5	1.07	13.7	15.7	17.2	19.2	21.2	23.2	25.7
1.04	10.90	11.30	3375	36.1	30.1	1688	25.8	22.4	1119	20.1	17.7	...	...	12.6	14.1	16.1	18.1	20.1	22.6
	11.30	11.80	3350	37.7	31.4	1675	27.0	23.5	1110	21.0	18.6	...	...	...	...	15.4	17.4	19.4	21.9
1.05	4.65	4.90	3319	9.7	5.4	1659	6.9	4.2	1100	5.4	3.4	17.5	20.5	22.5	24.0	26.0	28.0	30.0	32.5
	9.25	9.75	3318	29.8	24.4	1659	21.1	17.9	1100	16.4	14.1	...	13.1	15.1	16.6	18.6	20.6	22.6	25.1
1.06	4.40	4.65	3308	8.6	4.3	1654	6.1	3.4	1096	4.8	2.8	17.9	20.9	22.9	24.4	26.4	28.4	30.4	32.9
	4.90	5.20	3294	10.9	6.6	1654	7.7	5.0	1096	6.1	4.0	17.1	20.1	22.1	23.6	56.6	27.6	29.6	32.1
	5.20	5.50	3306	12.3	7.9	1653	8.7	5.9	1092	6.8	4.7	16.6	19.6	21.6	23.1	25.1	27.1	29.1	31.6
	6.30	6.70	3288	17.3	12.8	1644	12.2	9.3	1090	9.5	7.4	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	6.70	7.10	3300	19.0	14.4	1650	13.4	10.5	1094	10.4	8.3	14.2	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	7.10	7.50	3311	20.7	16.0	1655	14.6	11.7	1097	11.4	9.3	13.5	16.5	18.5	20.0	22.0	24.0	26.0	28.5
	8.00	8.50	3292	24.6	19.7	1646	17.4	14.4	1091	13.5	11.3	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	8.50	9.00	3303	26.7	21.6	1652	18.9	15.8	1095	14.7	12.5	11.3	14.3	16.3	17.8	19.8	21.8	23.8	26.3
	9.75	10.30	3311	31.8	26.2	1656	22.6	19.4	1097	17.6	15.3	...	12.2	14.3	15.8	17.8	19.8	21.8	24.3
	10.30	10.90	3306	33.9	28.2	1653	24.2	20.9	1096	18.8	16.5	...	...	13.3	14.8	16.8	18.8	20.8	23.3
	11.80	12.50	3302	39.6	33.1	1651	28.5	24.9	1095	22.2	19.8	...	...	...	...	14.4	16.4	18.4	20.9
	12.50	13.20	3313	42.1	35.1	1656	30.4	26.7	1098	23.8	21.3	...	...	...	...	...	15.3	17.3	19.8
	13.20	14.00	3299	44.6	37.1	1649	32.4	28.5	1093	25.3	22.7	...	...	...	...	...	...	16.1	18.6
ARC–LENGTH CORRECTION FACTOR▶												.85	.87	.88	.89	.90	.91	.92	.93
1.07	5.50	5.90	3259	13.7	9.4	1629	9.7	6.9	1080	7.6	5.5	16.0	19.0	21.0	22.5	24.5	26.5	28.5	31.0
	5.90	6.30	3288	15.5	11.1	1637	10.9	8.1	1085	8.5	6.4	15.4	18.4	20.4	21.9	23.9	25.9	27.9	30.4
	7.50	8.00	3278	22.5	17.7	1639	15.9	12.9	1087	12.3	10.2	12.8	15.8	17.8	19.3	21.3	23.3	25.3	27.8
	14.00	15.00	3265	47.0	39.3	1633	34.6	30.5	1082	27.1	24.4	...	...	...	...	...	...	...	17.2
	15.00	16.00	3280	...	...	1640	37.2	32.9	1087	29.2	26.4	...	...	...	...	...	...	...	...
1.08	9.00	9.75	3280	28.9	23.6	1614	20.5	17.3	1070	15.9	13.7	..	13.3	15.3	16.8	18.8	20.8	22.8	25.3
	10.90	11.80	3228	36.4	30.3	1615	26.0	22.6	1071	20.3	17.9	...	...	...	13.7	15.7	17.7	19.7	22.2
1.09	8.50	9.25	3231	26.8	21.8	1607	19.0	16.0	1065	14.7	12.6	11.1	14.1	16.1	17.6	19.6	21.6	23.6	26.1
1.10	10.30	11.30	3213	34.1	28.4	1594	24.3	21.1	1056	18.9	16.6	...	...	13.0	14.5	16.5	18.5	20.5	23.0
1.11	9.25	10.30	318/8	30.3	24.7	1570	21.3	18.2	1041	16.5	14.3	...	12.6	14.6	16.1	18.1	20.1	22.1	24.6
	11.30	12.50	3140	38.0	31.8	1581	27.2	23.8	1048	21.2	18.8	...	...	...	...	14.8	16.8	18.8	21.3
1.12	4.40	4.90	3161	8.8	4.7	1568	6.3	3.6	1039	4.9	3.0	17.7	20.7	22.7	24.2	26.2	28.2	30.2	32.7
	4.65	5.20	3123	10.0	5.8	1561	7.1	4.4	1035	5.6	3.6	17.7	20.7	22.7	24.2	26.2	28.2	30.2	32.7
	670	7.50	3135	19.3	14.7	1561	13.6	10.7	1035	10.6	8.5	13.8	19.8	21.8	23.3	25.3	27.3	29.3	31.8
	9.75	10.90	3123	32.0	26.6	1564	22.8	19.6	1036	17.7	15.4	...	...	13.8	15.3	17.3	19.3	21.3	23.8
	11.80	13.20	3122	39.9	33.4	1563	28.6	25.1	1036	22.3	19.9	...	...	...	...	13.9	15.8	17.9	20.4
	12.50	14.00	3127	42.4	35.5	1561	30.6	27.0	1035	23.9	21.4	...	...	...	...	...	14.7	16.7	19.2

NOTES: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

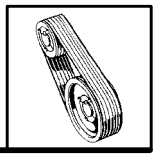
Ratio	Belt Number and Approx. Center Distance																						
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2800	5V 3150	5V 3550
1.00	35.6	38.1	40.6	43.1	46.1	49.1	52.1	55.6	59.1	63.1	68	73	78	83	88	93	99	105	111	118	133	151	171
	35.2	37.7	40.2	42.7	45.7	48.7	51.7	552	58.7	62.7	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.8	37.3	39.8	42.3	45.3	48.3	51.3	54.8	58.3	62.3	67	72	77	82	87	92	98	104	110	117	132	1550	170
	34.3	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	67	72	7	82	87	92	98	104	110	117	132	149	169
	33.9	36.4	38.9	41.4	44.4	47.4	50.4	53.9	57.4	61.4	66	71	76	81	86	91	97	103	109	116	131	149	169
	33.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	109	116	131	148	168
	32.6	35.1	37.6	40.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	108	115	130	148	168
	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	107	115	129	147	167
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	129	146	168
	30.7	33.2	35.7	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	128	146	166
	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	127	150	165
	29.1	31.6	34.1	38.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	89	93	99	105	112	127	144	164
	28.4	30.9	33.4	35.9	38.9	41.9	44.9	48.4	51.9	55.9	61	66	71	76	81	86	92	98	104	111	126	143	163
	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	60	65	71	75	80	85	91	97	103	111	125	143	163
	27.2	29.7	32.2	34.7	37.7	40.7	43.7	47.2	50.7	54.7	60	65	70	75	80	85	91	97	102	110	124	143	162
	26.3	28.8	31.3	33.8	38.8	39.8	42.8	46.3	49.8	53.8	59	64	69	74	79	84	90	96	102	109	124	141	161
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	95	1010	107	123	140	160
	24.8	27.3	29.8	32.3	35.3	38.3	41.3	44.8	48.3	52.3	57	62	67	72	77	82	88	94	100	107	122	140	160
	24.0	26.5	29.0	31.5	34.5	37.5	40.5	44.0	47.5	51.5	56	61	66	72	76	81	87	93	99	106	121	139	159
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	98	105	120	138	158
	21.8	24.3	26.8	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54	59	64	69	74	79	85	91	97	104	119	137	157
	20.5	23.0	25.5	28.0	31.0	34.0	37.0	40.5	44.0	48.0	53	58	63	68	73	78	84	90	96	103	118	136	155
	19.0	21.4	23.9	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51	56	61	66	71	76	82	88	94	101	116	134	154
	...	19.9	22.4	24.9	27.9	30.9	33.9	37.4	40.9	44.9	50	55	60	645	70	75	81	87	93	100	115	132	152
1.03	28.2	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	104	111	126	143	163
1.04	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	101	108	123	140	160
	24.4	26.9	29.4	31.9	34.9	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	81	88	94	100	107	122	139	159
1.05	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5	68	72	77	82	87	92	98	104	110	117	132	150	170
	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.1	60	65	70	75	80	85	91	97	103	110	125	143	163
1.06	35.4	37.9	40.4	42.9	45.9	48.9	51.9	55.4	58.9	62.9	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.6	3438	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.5	65	70	75	80	85	90	96	102	108	115	130	147	167
	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.1	57.6	61.6	67	72	77	82	87	92	98	104	110	117	132	149	169
	32.3	37.1	39.6	42.1	45.1	4831	51.1	54.6	58.1	62.1	67	72	77	82	87	92	98	104	110	117	132	150	170
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	129	147	167
	31.0	33.5	38.0	38.5	41.5	44.5	47.5	51.0	54.5	58.5	64	68	74	78	83	88	94	100	106	113	128	146	166
	29.5	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.0	57.0	62	67	72	77	82	87	93	99	105	112	127	144	164
	28.8	31.3	33.8	36.3	39.3	42.3	45.3	46.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	126	144	164
	26.8	29.3	31.8	34.3	37.3	40.3	43.3	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	124	142	162
	25.9	28.3	30.8	33.3	35.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	123	141	161
	23.4	25.9	28.4	30.9	33.9	36.9	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	121	138	158
	22.3	24.8	27.3	29.8	32.8	35.8	38.8	42.3	45.8	49.8	55	60	65	70	75	80	86	92	98	105	120	137	157
	21.1	23.6	26.1	28.6	31.6	34.6	37.6	41.1	44.6	48.6	54	59	64	69	74	79	85	91	97	104	119	36	156
	.94	.95	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.09	1.10	1.11	1.13	1.15	1.17
1.07	33.6	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0	66	71	76	81	86	91	97	103	109	116	131	147	169
1.07	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	56.4	60.4	65	70	75	80	85	90	96	102	108	115	130	148	168
	30.3	32.8	35.3	37.8	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	106	113	128	145	165
	19.7	22.2	24.7	27.2	30.2	33.2	36.2	39.7	43.2	47.2	52	57	62	67	72	77	83	89	95	102	117	135	155
	18.2	20.6	23.1	25.6	28.6	31.6	34.6	38.1	41.6	45.6	51	56	61	66	71	76	82	88	94	101	116	133	153
1.08	27.8	30.3	32.8	35.3	38.3	41.3	44.3	47.8	51.3	55.3	60	65	70	75	80	85	91	97	103	110	125	143	163
	24.7	27.2	29.7	32.2	35.2	38.2	41.2	44.7	48.2	52.2	57	62	67	72	77	82	88	94	100	107	122	140	160
1.09	28.6	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	126	144	164
1.10	25.5	28.0	30.5	33.0	36.0	39.0	42.0	45.5	49.0	53.0	58	63	68	73	78	83	89	95	101	108	123	140	160
1.11	27.1	29.6	32.1	34.6	37.6	40.6	43.6	47.1	50.6	54.6	60	65	70	75	80	85	91	97	103	110	125	142	162
	23.8	26.3	28.8	31.3	34.3	37.3	40.3	43.8	47.3	51.3	56	61	66	71	76	81	87	93	99	106	121	139	159
1.12	35.2	37.7	40.2	42.7	45.7	48.7	51.7	552	58.7	62.7	68	73	78	83	88	93	99	105	111	118	133	150	170
	34.8	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	67	72	77	82	87	92	98	103	110	117	132	149	170
	31.4	24.2	26.7	29.2	32.2	35.2	38.2	41.7	45.2	49.4	54	59	64	69	74	79	85	91	...	104	119	137	157
	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.8	59	634	69	74	79	84	90	96	102	109	124	141	161
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	98	105	120	138	158
	21.7	24.2	26.7	29.2	32.2	35.2	38.2	41.7	45.2	49.2	54	59	64	69	74	79	85	91	97	104	119	137	157

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length factors are approximate values

Refer to Selection Procedure for more precise calculations

SHEAVES	BELTS	SELECTION: CLASSICAL	ENGINEERING/TECHNICAL
PAGES PT7–2-PT7–27	PAGES PT7–28-PT7–41	PAGES PT7–84-PT7–123	PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

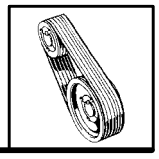
Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 5VX	3500 RPM Driver HP/Belt 5V	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 5VX	1750 RPM Driver HP/Belt 5V	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 5VX	1160 RPM Driver HP/Belt 5V	Belt Number and Approx. Center Distance** 5VX 500	5VX 560	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800
1.13	4.90	5.50	3111	11.2	7.0	1556	7.9	5.2	1031	6.2	4.2	16.8	19.8	21.8	23.3	25.3	27.3	29.3	31.8
	6.30	7.10	3100	17.5	13.1	1550	12.4	9.6	1027	9.6	7.6	14.5	17.5	19.5	21.0	23.0	25.2	27.2	29.5
	7.10	8.00	3101	21.1	16.4	1551	14.8	12.0	1028	11.5	9.4	13.1	16.1	18.1	19.6	21.6	23.6	25.6	28.1
	8.00	9.00	3107	24.9	20.2	1553	17.6	14.6	1030	13.6	11.5	11.6	14.6	16.6	18.1	20.1	22.1	24.1	26.6
1.14	5.20	5.90	3078	12.6	8.4	1539	8.9	6.2	1020	6.9	4.9	16.3	19.3	21.3	22.8	24.8	26.8	28.8	31.3
	5.90	6.70	3076	15.8	11.4	1538	11.1	8.4	1019	8.7	6.6	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	7.50	8.50	3083	22.8	18.1	1542	16.1	13.2	1022	12.5	10.4	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
	13.20	15.00	3077	44.9	37.6	1539	32.6	28.8	1020	25.5	22.9	...	...	...	...	...	...	...	17.8
	14.00	16.00	3060	47.6	39.6	1530	34.7	30.8	1014	27.2	24.6	...	...	...	...	...	...	...	...
ARC–LENGTH CORRECTION FACTOR												.85	.87	.86	.89	.90	.91	.91	.92
1.15	5.50	6.30	3048	14.0	9.7	1524	9.9	7.2	1010	7.7	5.7	15.7	18.7	20.7	22.2	24.2	26.2	28.2	30.7
	8.50	9.75	3047	27.1	22.4	1523	19.1	16.1	1010	14.9	12.7	...	13.7	15.7	17.2	19.2	21.2	23.2	25.7
	9.00	10.30	6054	29.1	24.0	1527	20.6	17.6	1012	16.0	13.8	...	12.8	14.8	16.3	18.3	20.3	22.3	24.8
	10.30	11.80	3051	34.3	28.6	1526	24.4	21.2	1011	19.0	16.7	...	...	1.26	14.1	16.1	18.1	20.1	22.6
	10.90	12.50	3048	38.6	30.7	1524	26.2	22.8	1010	20.4	18.1	...	...	...	1.31	15.1	17.1	19.1	21.6
1.16	8.00	9.25	3022	25.0	20.2	1511	17.6	14.7	1002	13.7	11.6	11.4	14.4	16.4	17.9	19.9	21.9	23.9	26.4
	9.75	11.30	3016	32.2	26.7	1508	22.8	19.7	999	17.8	15.5	...	...	13.5	14.9	16.9	19.0	21.0	23.5
1.17	11.30	13.20	2992	38.2	32.0	1496	27.3	24.0	992	21.3	19.0	...	...	...	...	...	16.2	18.2	20.7
	16.00	18.70	2992	...	...	1496	40.0	35.5	992	31.5	28.6	...	...	...	...	...	...	...	...
1.18	9.25	10.90	2965	30.2	25.0	1483	21.4	18.4	983	16.6	14.4	...	12.2	14.2	15.7	17.7	19.7	21.7	24.2
ARC–LENGTH CORRECTION FACTOR ▶												.85	.87	.86	.89	.90	.91	.91	.92
1.19	4.40	5.20	2951	9.1	5.0	1475	6.4	3.8	978	5.1	3.1	17.5	20.5	22.5	24.0	26.0	28.0	30.0	32.5
	4.65	5.50	2949	10.2	6.1	1475	7.3	4.6	977	5.7	3.7	17.0	20.0	22.0	23.5	25.5	27.5	29.5	32.0
	6.30	7.50	2932	17.7	13.4	1466	12.5	9.7	972	9.7	7.7	14.1	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	11.80	14.00	2946	40.1	33.7	1473	28.8	25.3	976	22.4	20.1	...	...	...	...	...	15.2	17.2	19.7
1.20	6.70	8.00	2924	19.5	15.1	1462	13.7	11.0	969	10.7	8.6	13.4	16.4	18.4	19.9	22.0	24.0	26.0	28.5
	7.10	8.50	2917	21.3	16.7	1458	15.0	12.2	967	11.6	9.6	12.7	15.7	17.7	19.2	21.2	23.2	25.2	27.7
	7.50	9.00	2910	23.0	18.4	1455	16.2	13.4	964	12.6	10.5	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	12.50	15.00	2913	42.6	35.8	1456	30.8	27.2	965	24.0	21.6	...	...	...	...	...	...	15.9	18.4
1.21	4.90	5.90	2897	11.4	7.3	1448	8.1	5.4	960	6.3	4.4	16.5	19.5	21.5	23.0	25.0	27.0	29.0	31.5
	5.90	7.10	2900	16.0	11.7	1450	11.3	8.5	961	8.8	6.8	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	8.50	10.30	2882	27.2	22.3	1441	19.2	16.3	955	14.9	12.8	...	13.2	15.2	16.7	18.7	20.7	22.7	25.2
	9.00	10.90	2884	29.3	24.2	442	20.7	17.7	956	16.1	14.0	...	12.3	14.3	15.8	17.8	19.8	21.9	24.4
	9.75	11.80	2887	32.3	26.9	1443	22.9	19.8	957	17.8	15.6	...	...	13.0	14.5	16.5	18.5	20.5	23.1
	10.90	13.20	2885	38.8	30.9	1443	26.3	23.0	956	20.5	18.2	...	...	...	...	14.5	16.5	18.5	21.0
	13.20	16.00	2884	45.1	37.8	1442	32.7	29.0	956	25.6	23.1	...	...	...	...	...	...	...	17.0
1.22	5.20	6.30	2879	12.8	8.7	1440	9.1	6.4	954	7.1	5.1	16.0	19.0	21.0	22.5	24.5	26.5	28.5	31.0
	5.50	6.70	2864	14.2	10.0	1432	10.0	7.3	949	7.8	5.8	15.4	18.4	20.4	21.9	23.9	56.9	27.9	30.4
	8.00	9.75	2965	25.2	20.4	1433	17.7	14.9	950	13.8	11.7	...	14.0	16.0	17.5	19.5	21.5	23.5	26.0
	9.25	11.30	2959	30.3	25.2	1430	21.5	18.5	948	16.7	14.5	...	...	13.8	15.3	17.3	19.3	21.3	23.8
	10.30	12.50	2979	34.5	28.9	1440	24.6	21.4	954	19.1	16.9	...	...	...	13.6	15.6	17.6	19.6	22.1
1.24	7.50	9.25	2931	23.1	18.5	1415	16.3	13.4	938	12.6	10.5	11.8	14.8	16.8	18.3	20.3	22.3	24.3	26.8
	11.30	14.00	2820	38.4	32.3	1410	27.5	24.1	935	21.4	19.0	...	...	...	...	...	15.6	17.6	20.1
1.25	15.00	18.70	2804	...	...	1402	37.6	33.4	929	29.5	26.8	...	...	...	...	...	...	...	...
1.26	4.40	5.50	2787	9.2	5.2	1394	6.6	3.9	924	5.1	3.2	17.2	20.2	22.2	23.7	25.7	27.7	29.7	32.2
	9.00	11.30	2781	29.4	24.3	1391	20.8	17.8	922	16.1	14.0	...	12.0	14.0	15.5	17.5	19.5	21.5	24.0
1.27	4.65	5.90	2746	10.4	6.4	1373	7.4	4.9	910	5.8	3.8	16.7	19.7	21.7	23.2	25.2	27.2	29.2	31.7
	6.30	8.00	2747	17.9	13.6	1373	12.6	9.9	910	9.8	7.8	13.7	16.7	18.7	20.3	22.3	24.3	26.3	28.8
	6.70	8.50	2750	19.7	15.3	1375	13.8	11.1	911	10.7	8.7	13.0	16.0	18.0	19.5	21.5	23.6	25.6	28.1
	7.10	9.00	2753	21.4	16.9	1376	15.1	12.3	912	11.7	9.7	12.3	15.3	17.3	18.8	20.8	22.8	24.8	27.3
	11.80	15.00	2748	40.3	33.9	1374	28.9	25.5	911	22.5	20.2	...	...	...	...	...	...	16.4	18.9
1.28	5.90	7.50	2743	16.1	11.9	1372	11.4	8.7	909	8.8	6.9	14.5	17.5	19.5	21.0	23.0	25.0	27.0	29.5
	9.25	11.80	2737	30.5	25.3	1369	21.6	18.6	907	16.8	14.6	...	...	13.4	14.9	16.9	18.9	20.9	23.4
	9.75	12.50	2724	32.5	27.1	1362	23.0	20.0	903	17.9	15.7	...	...	...	14.0	16.0	18.0	20.0	22.5
	10.30	13.20	2725	34.6	29.1	1363	24.6	21.5	903	19.2	16.9	...	...	...	...	15.0	17.0	19.0	21.5
	12.50	16.00	2730	42.8	36.0	1365	30.9	27.3	905	24.1	21.7	...	...	...	...	...	...	...	17.5
1.29	4.90	6.30	2710	11.6	7.5	1355	8.2	5.6	898	6.4	4.5	162	192	21.2	22.7	24.7	26.7	28.7	31.2
	5.20	6.70	2705	13.0	8.9	1352	9.2	6.5	896	7.1	5.2	15.6	1836	20.6	22.1	24.1	26.4	28.1	30.6
	8.00	10.30	2711	25.3	20.6	1355	17.8	15.0	898	13.9	11.8	...	13.6	15.6	17.1	19.1	21.1	23.1	25.6
	8.50	10.90	2722	27.4	22.5	1361	19.3	16.4	902	15.0	12.9	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	10.90	14.00	2719	37.0	31.1	1360	26.4	23.1	901	20.5	18.3	...	...	...	...	13.9	15.9	17.9	20.4

NOTES: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long

** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

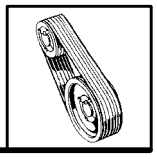
Ratio	Belt Number and Approx. Center Distance																					
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2500	5V 2800	5V 3150	5V 3550
1.13	34.3	36.8	39.3	41.8	44.8	47.8	50.8	54.3	57.8	61.8	67	72	77	82	87	92	98	104	117	132	149	169
	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	114	129	147	167
	30.6	33.1	35.6	38.1	41.1	44.1	47.1	50.6	54.1	58.1	63	68	73	78	83	88	94	100	113	128	146	166
	29.1	31.6	34.1	36.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	87	93	99	112	127	144	164
1.14	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	66	71	76	81	86	91	97	103	116	131	147	169
	32.6	35.1	37.6	41.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	115	130	148	168
	29.9	32.4	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	112	127	145	165
	20.3	22.8	25.3	27.8	30.8	33.8	36.8	40.3	43.8	47.8	53	58	63	68	73	78	84	90	103	118	135	155
	18.9	21.4	23.9	26.4	29.4	32.4	35.4	38.9	42.4	46.4	51	56.	61	66	71	76	82	88	101	116	134	154
		.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.11	1.13	1.15	1.17
1.15	33.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	116	131	146	168
	28.2	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	111	126	148	163
	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	110	125	142	162
	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	108	123	140	160
	24.1	26.6	29.1	31.6	34.6	37.6	40.6	44.1	47.6	51.6	57	62	67	72	77	82	88	94	107	122	139	159
1.16	28.9	31.4	33.9	36.4	39.4	42.4	45.4	46.9	52.4	56.4	61	66	71	76	81	86	92	98	111	126	144	164
	26.0	28.5	31.0	33.5	36.5	39.5	42.5	46.0	49.5	53.5	58	63	68	73	78	83	89	95	108	123	141	161
1.17	23.2	25.7	28.3	30.8	33.8	36.8	39.8	43.3	46.8	50.8	56	61	66	71	76	81	89	93	106	121	138	158
	...	...	20.2	22.7	25.7	28.7	31.7	35.2	38.7	42.7	47	53	58	63	68	73	79	85	98	113	130	150
1.18	26.7	29.2	31.7	34.2	37.2	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	109	124	142	162
	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.11	1.13	1.15	1.17
1.19	35.0	37.5	40.0	42.5	45.5	48.5	51.5	55.0	58.5	62.5	67	72	77	82	87	92	98	104	117	132	150	170
	34.5	37.0	39.5	42.0	45.0	48.0	51.0	54.5	59.0	62.0	67	72	77	82	87	92	98	104	117	132	150	170
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	114	129	147	167
	22.2	24.7	27.2	29.7	32.7	35.7	38.7	42.2	45.7	49.7	54	60	65	70	75	70	86	92	105	132	137	157
1.20	31.0	33.5	36.0	38.5	41.5	44.5	47.5	51.0	54.5	58.5	63	68	73	78	83	88	94	100	113	128	146	166
	30.2	32.7	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	63	68	73	77	83	88	94	100	113	129	145	165
	29.5	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.0	57.0	62	67	72	77	82	87	93	99	112	127	145	165
	20.9	23.4	25.9	28.4	31.4	34.4	37.4	40.9	44.4	48.4	53	58	63	68	73	78	84	90	103	118	136	156
1.21	34.0	36.5	39.0	41.5	44.5	47.5	50.5	54.0	57.5	61.5	66	71	76	81	86	91	97	103	117	132	149	169
	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	85	90	96	102	115	130	147	167
	27.7	30.2	32.7	35.2	38.2	41.2	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	110	125	143	163
	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	109	124	142	162
	25.6	28.1	30.6	33.1	36.1	39.1	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	108	123	141	161
	23.5	26.0	28.5	31.1	34.1	37.1	40.1	43.6	47.1	51.1	56	61	66	71	76	81	87	93	106	121	139	159
	19.5	22.0	24.5	27.0	30.0	33.0	36.0	39.5	43.0	47.0	52	57	62	67	72	77	83	89	102	117	135	155
1.22	33.5	36.0	38.5	41.0	44.0	47.0	50.0	53.5	57.0	61.0	66	71	76	81	86	91	97	103	116	131	149	169
	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	54.4	60.4	65	70	75	80	85	90	96	102	115	130	148	168
	28.5	31.0	33.5	36.0	39.0	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	111	125	144	164
	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.9	59	634	69	74	79	84	90	96	109	124	141	161
	24.6	27.1	29.6	32.1	35.1	38.1	41.1	44.6	48.1	52.1	57	62	67	72	77	82	88	94	107	122	140	160
1.24	29.3	31.8	34.3	36.8	39.8	42.8	45.8	49.3	52.8	56.8	62	67	72	77	82	87	93	99	112	127	144	164
	22.6	25.1	27.6	30.1	33.1	36.1	39.1	42.6	46.1	50.1	55	60	65	70	75	80	86	92	105	120	138	158
1.25	...	...	21.0	23.5	26.5	29.5	32.5	36.0	39.5	43.5	49	54	59	64	69	74	80	86	99	114	131	151
1.26	34.7	37.2	39.7	42.2	45.2	46.2	51.2	54.7	58.2	62.2	67	72	77	82	87	92	98	104	117	132	150	170
	26.5	29.0	31.5	34.0	37.0	40.0	43.0	46.5	50.0	54.0	59	64	69	74	79	84	90	96	109	124	142	162
1.27	34.2	36.7	39.2	41.7	44.7	47.7	50.7	54.2	57.7	61.7	67	72	77	82	87	92	98	104	117	132	149	169
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	83	89	95	101	114	129	146	166
	30.6	32.3	34.8	37.3	40.3	43.3	46.3	4938	53.3	57.3	62	67	72	77	82	87	93	99	112	127	145	165
	29.8	32.3	34.8	37.3	40.3	43.3	46.3	49.8	53.3	57.3	62	67	72	77	82	87	93	99	112	127	145	165
	21.4	23.9	26.4	28.9	31.9	34.9	37.9	41.4	44.9	48.9	54	59	64	70	74	79	85	91	104	119	136	156
1.28	32.0	34.5	37.0	39.5	42.5	45.5	48.5	52.0	55.5	59.5	64	69	74	79	84	89	95	101	114	129	147	167
	25.9	28.4	30.9	33.4	36.4	39.4	42.4	45.9	49.5	53.5	58	63	68	73	78	83	89	95	108	123	141	161
	25.0	27.5	30.0	32.5	35.5	38.5	41.5	45.0	48.5	52.5	57	62	67	72	77	82	88	94	108	123	140	160
	24.0	26.5	29.0	31.5	34.5	37.5	40.5	44.0	47.5	51.5	56	61	66	71	75	81	87	93	107	122	139	159
	20.0	22.5	25.1	27.6	30.6	33.6	36.6	40.1	43.6	47.6	52	58	63	68	36	78	84	90	103	118	135	155
1.29	33.7	36.2	38.7	41.2	44.2	47.2	50.2	53.7	57.2	61.2	66	71	76	81	82	91	97	103	116	131	149	169
	32.2	35.7	38.2	40.7	43.7	46.7	49.7	53.2	56.7	60.7	66	71	76	81	86	91	97	103	116	131	148	168
	28.1	30.6	33.1	35.6	38.6	41.6	44.6	48.1	51.6	55.6	61	66	71	76	81	86	92	98	111	126	143	163
	27.2	29.7	32.2	34.7	37.7	40.7	43.7	47.2	50.7	54.8	60	65	70	75	80	85	91	97	110	125	142	162
	22.9	25.4	27.9	30.4	33.4	36.4	39.4	42.9	46.4	50.4	55	60	65	70	75	80	86	92	105	120	138	158

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length factors are approximate values

Refer to Selection Procedure for more precise calculations

SHEAVES	BELTS	SELECTION: CLASSICAL	ENGINEERING/TECHNICAL
PAGES PT7-2-PT7-27	PAGES PT7-28-PT7-41	PAGES PT7-84-PT7-123	PAGES PT7-123-PT7-128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

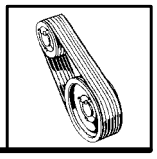
STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 5VX	3500 RPM Driver HP/Belt 5V	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 5VX	1750 RPM Driver HP/Belt 5V	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 5VX	1160 RPM Driver HP/Belt 5V	Belt Number and Approx. Center Distance** 5VX 500	5VX 560	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800
1.30	5.50	7.10	2700	14.4	10.2	1350	10.1	7.5	895	7.9	5.9	15.1	18.1	20.1	21.6	23.6	25.6	27.6	30.1
	7.50	9.75	2684	23.2	18.6	1342	16.3	13.5	890	12.7	10.6	11.4	14.4	16.4	17.9	19.9	21.9	23.9	26.4
ARC–LENGTH CORRECTION FACTOR ▶												.84	.86	.87	.88	.89	.90	.91	.92
1.31	7.10	9.25	2678	21.5	17.0	1339	15.1	12.3	887	11.7	9.7	12.1	15.1	17.1	18.6	20.6	22.6	24.6	27.1
	9.00	11.80	2662	29.5	24.5	1331	20.9	17.9	882	16.2	14.1	...	...	13.6	15.1	17.1	19.1	21.1	23.6
1.33	8.50	11.30	2625	27.5	22.6	1313	19.4	16.5	870	15.1	13.0	...	12.4	14.4	15.9	17.9	19.9	21.9	24.4
	11.30	15.00	2631	38.5	32.5	1315	27.6	24.2	872	21.5	19.2	...	...	...	...	...	14.7	16.8	19.3
	16.00	21.20	2637	...	...	1319	...	...	874	31.7	28.9	...	...	...	...	...	...	...	...
1.34	14.00	18.70	2616	48.0	40.2	1308	35.0	31.1	867	27.4	24.9	...	...	...	...	...	...	...	...
1.35	4.40	5.90	2595	9.4	5.4	1297	6.7	4.1	860	5.2	3.3	16.9	19.9	21.9	23.4	25.4	27.4	29.4	31.9
	6.30	8.50	2583	18.0	13.7	1292	12.7	10.2	856	9.9	7.9	13.3	16.3	18.3	19.9	21.8	23.9	25.9	28.4
	6.70	9.00	2596	19.8	15.4	1298	13.9	11.2	860	10.8	8.8	12.6	15.6	17.6	19.1	21.1	23.1	25.1	27.7
1.36	4.65	6.30	2569	10.6	6.5	1284	7.5	4.9	851	5.8	3.9	16.4	19.4	21.4	22.9	24.9	26.9	28.9	31.4
	5.90	8.00	2570	16.3	12.1	1285	11.4	8.8	852	8.9	6.9	14.2	17.1	19.1	20.6	22.6	24.6	26.6	29.1
	9.25	12.50	2583	30.5	25.5	1291	21.6	18.7	856	16.8	14.7	...	...	12.8	14.3	16.3	18.3	20.4	22.9
	9.75	13.20	2578	32.6	27.3	1289	23.1	20.1	855	18.0	15.8	...	...	...	13.4	15.4	17.4	19.4	21.9
	10.30	14.00	2568	34.8	29.2	1284	24.7	21.5	851	19.2	17.0	...	...	...	...	14.3	16.3	18.3	20.8
	11.80	16.00	2575	4.04	34.1	1288	29.0	25.6	854	22.6	20.3	...	...	...	...	...	...	15.5	18.0
1.37	5.20	7.10	2250	13.1	9.0	1275	9.2	6.6	845	7.2	5.3	15.3	18.3	20.3	21.8	23.8	25.8	27.8	30.3
	5.50	7.50	2554	14.5	10.3	1277	10.2	7.5	846	7.9	56.0	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	8.00	10.90	2560	25.4	20.7	1280	17.9	15.1	849	13.9	11.8	...	13.1	15.1	16.6	18.6	20.6	22.6	25.1
1.38	4.90	6.70	2545	11.7	7.7	1273	8.3	5.7	844	6.5	4.5	15.9	18.9	20.9	22.4	24.4	26.4	28.4	30.9
	7.10	9.75	2539	21.6	17.1	1269	15.2	12.4	841	11.8	9.8	11.7	14.7	16.7	18.2	20.2	22.2	24.2	26.7
	7.50	10.30	2539	23.3	18.7	1270	16.4	13.6	842	12.7	10.7	...	13.9	16.0	17.5	19.5	21.5	23.5	26.0
	10.90	15.00	2537	37.1	31.3	1268	26.5	23.2	841	20.6	18.3	...	...	...	...	...	...	17.0	19.6
1.39	6.70	9.25	2525	19.8	15.5	1262	14.0	11.2	837	10.8	8.8	12.4	15.4	17.4	18.9	20.9	22.9	24.9	27.4
	8.50	11.80	2513	27.5	22.7	1256	19.4	16.5	833	15.1	13.0	...	...	14.0	15.5	17.5	19.5	21.5	24.0
	9.00	12.50	2512	29.6	24.6	1256	20.9	18.0	833	16.2	14.1	...	...	13.0	14.5	16.5	18.5	20.5	23.0
1.42	8.00	11.30	2469	25.5	20.8	1234	18.0	15.1	818	13.9	11.9	...	12.7	14.7	16.3	18.3	20.3	22.3	24.8
	11.30	16.00	2465	38.6	32.6	1233	27.6	24.3	817	21.5	19.2	...	...	...	...	...	...	15.9	18.4
	13.20	18.70	2465	45.4	38.3	1233	32.9	29.2	817	25.7	23.2	...	...	...	...	...		...	...
	15.00	21.20	2472	...	...	1236	...	...	819	29.6	26.9	...	...	...	...	...	...	...	...
1.43	9.25	13.20	2445	30.7	25.6	1222	21.7	18.7	810	16.8	14.7	...	...	...	13.7	15.7	17.8	19.8	22.3
1.44	4.40	6.30	2427	9.5	5.5	1214	6.7	4.2	805	5.3	3.4	16.6	19.6	21.6	23.1	25.1	27.1	29.1	31.6
	6.30	9.00	2438	18.1	13.9	1219	12.7	10.1	808	9.9	7.9	12.9	15.9	17.9	19.4	21.4	23.4	25.4	28.0
	9.75	14.00	2430	32.7	27.4	1215	23.2	20.1	805	18.0	15.9	...	...	...	...	14.7	16.7	18.7	21.2
1.45	4.65	6.70	2413	10.6	6.7	1206	7.5	5.0	800	5.9	4.0	16.1	19.1	21.1	22.6	24.6	26.6	28.6	31.1
	5.20	7.50	2412	13.2	9.1	1206	9.3	6.7	799	7.2	5.3	15.0	18.0	20.0	21.5	2..5	25.5	27.5	30.0
	5.90	8.50	2417	16.4	12.2	1208	11.5	8.9	801	8.9	7.0	13.6	16.6	18.6	20.1	22.2	24.2	26.2	28.7
1.46	4.90	7.10	2400	11.8	7.8	1200	8.3	5.8	795	6.5	4.6	15.5	18.5	20.5	22.0	24.1	26.1	28.1	30.6
	5.50	8.00	2392	14.6	10.5	1196	10.2	7.6	793	8.0	6.0	14.3	17.4	19.4	20.9	22.9	24.9	26.9	29.4
	6.70	9.75	2394	19.9	15.6	1197	14.0	11.3	793	10.9	8.9	12.0	15.0	17.0	18.5	20.5	22.5	24.5	27.0
	7.10	10.30	2402	21.7	17.2	1201	15.2	12.5	796	11.8	9.8	11.2	14.2	16.3	17.8	19.8	21.8	23.8	26.3
	7.50	10.90	2398	23.4	18.8	1199	16.5	13.7	795	12.8	10.8	...	13.4	15.5	17.0	19.0	21.0	23.0	25.5
	10.30	15.00	2396	34.9	29.3	1198	24.8	21.7	794	19.3	17.1	...	...	...	...	...	15.5	17.5	20.0
1.47	9.00	13.20	2378	29.7	24.7	1189	21.0	18.0	788	16.3	14.2	...	...	...	13.9	15.9	17.9	20.0	22.5
	10.90	16.00	2377	37.2	31.4	1189	26.5	23.3	788	20.6	18.4	...	...	...	...	...	...	16.2	18.7
ARC–LENGTH CORRECTION FACTOR ▶												.82	.84	.85	.86	.87	.88	.90	.91
1.48	6.30	9.25	2372	18.2	13.9	1186	12.8	10.1	590	9.9	8.	12.7	15.7	17.7	192	21.2	23.2	25.2	27.8
	8.00	11.80	2363	25.5	20.9	1182	18.0	15.2	587	14.0	11.9	...	12.3	14.3	15.8	17.8	19.9	21.9	24.4
	8.50	12.50	2371	27.6	22.8	1185	19.5	16.6	589	15.1	13.1	...	...	13.4	14.9	16.9	18.9	20.9	23.4
	16.00	23.60	2368	...	...	1184	40.3	35.9	589	31.8	29.0	...	...	...	...	...	...		...
1.50	12.50	18.70	2333	43.1	36.4	1167	31.0	27.5	580	24.2	21.8	...	...	...	...	...	...		...
1.51	7.50	11.30	2313	23.4	18.9	1156	16.5	13.7	575	12.8	10.8	...	13.1	15.1	16.6	18.6	20.6	22.7	25.2
1.52	9.25	14.00	2304	30.7	25.7	1152	21.7	18.8	573	16.9	14.8	...	...	...	...	15.1	17.1	19.1	21.6
	14.00	21.20	2306	46.2	40.0	1153	35.1	31.3	573	27.5	25.0	...	...	...	...	...	...	...	...
1.53	4.40	6.70	2280	9.5	5.6	1140	6.8	4.2	567	5.3	3.4	16.2	19.2	21.3	22.8	24.8	26.8	28.8	31.3
	5.90	9.00	2281	16.4	12.3	1140	11.5	8.9	567	9.0	7.0	13.2	16.2	18.2	19.7	21.7	23.7	25.8	28.3

NOTES: * 5VX = single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7–2–PT7–27	BELTS PAGES PT7–28–PT7–41	SELECTION: CLASSICAL PAGES PT7–84–PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123–PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

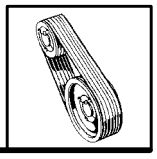
STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																						
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2800	5V 3150	5V 3550
1.30	32.6	35.1	37.6	40.1	43.1	46.1	49.1	52.6	56.1	60.1	65	70	75	80	85	90	96	102	108	115	130	148	168
	28.9	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	104	111	126	144	164
	.93	.94	.95	.96	.97	.99	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.31	29.6	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.1	62	67	72	77	82	87	93	99	105	112	127	145	165
	26.1	28.6	31.1	33.6	36.6	39.6	42.6	46.1	49.6	53.6	59	64	69	74	79	84	90	96	102	109	124	141	161
1.33	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	102	109	124	142	162
	21.8	24.3	26.8	29.3	32.3	35.3	38.3	41.8	45.3	49.3	54	59	64	69	74	79	85	91	97	104	119	137	157
	...	...	...	...	23.6	26.7	29.7	33.2	36.7	40.7	46	51	56	61	66	71	77	83	89	96	111	128	146
1.34	...	19.2	21.7	24.2	27.2	30.2	33.2	36.7	40.2	44.3	49	54	59	64	69	74	80	86	92	99	114	132	152
1.35	34.4	36.9	39.4	41.9	44.9	47.9	50.9	54.4	57.9	61.9	67	73	77	82	87	92	98	104	110	117	132	149	169
	30.9	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	128	146	166
	30.1	32.6	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	63	68	73	78	83	88	94	100	106	113	128	145	165
1.36	33.9	36.4	38.9	41.1	44.4	47.4	50.4	53.9	547.4	61.4	66	71	76	81	86	91	97	103	109	116	131	149	169
	31.6	34.1	36.6	39.1	42.1	45.1	48.1	51.6	55.1	59.1	64	69	74	79	84	89	95	101	107	114	129	147	167
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	95	101	108	123	140	160
	24.4	26.9	29.4	31.9	34.9	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	82	88	94.	100	107	122	139	159
	23.3	25.8	28.4	30.9	33.9	36.9	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	121	138	158
	20.6	23.1	25.6	28.1	31.1	34.1	37.1	40.6	44.1	48.4	53	58	63	68	73	78	84	90	96	103	118	136	156
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.37	32.8	35.9	38.4	40.9	43.9	46.9	49.9	53.4	56.9	60.9	66	71	76	81	86	91	97	103	108	116	131	148	168
	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	84	90	96	102	108	115	130	147	167
	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.5	51.1	55.1	60	65	70	75	80	85	91	97	103	110	125	143	162
1.38	33.4	35.9	38.4	40.9	43.9+	46.9	49.9	53.4	56.9	60.9	66	71	76	81	86	91	97	103	109	116	131	148	168
	29.2	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.8	62	67	72	77	82	87	93	99	105	112	127	144	164
	28.5	31.0	33.5	36.0	39.0	42.0	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	126	143	163
	22.1	24.6	27.1	29.6	32.6	35.6	38.6	42.1	45.6	49.6	55	60	65	70	75	80	85	91	98	105	120	137	157
1.39	29.9	32.4	34.9	37.5	40.5	43.5	46.5	50.0	53.5	57.5	62	67	72	77	82	87	93	99	105	112	127	145	165
	26.5	29.0	31.5	34.0	37.0	40.0	43.0	46.5	50.0	54.0	59	64	69	74	79	84	90	96	102	109	124	141	161
	25.6	28.1	30.6	33.1	36.1	39.1	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	101	108	123	141	161
1.42	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	103	110	125	142	162
	20.9	23.4	26.0	28.5	31.5	34.5	37.5	41.0	44.5	46.5	53	58	63	68	73	78	84	90	97	103	118	136	156
	...	19.8	22.3	24.8	27.8	30.8	33.8	37.3	40.9	44.9	50	55	60	65	70	75	81	87	92	100	115	132	154
	...	...	...	21.3	24.4	27.4	30.4	33.9	37.4	41.5	46	51	56	61	66	71	77	83	90	96	111	129	149
1.43	24.8	27.3	29.8	32.3	35.3	38.3	41.3	44.8	48.3	52.3	57	62	67	72	77	82	88	94	100	107	122	140	160
1.44	34.1	36.6	39.1	41.6	44.6	47.6	50.6	54.1	57.6	61.6	67	72	77	82	87	92	98	104	110	117	132	149	169
	30.5	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	128	145	165
	24.8	26.3	28.8	31.3	34.3	37.3	40.3	43.8	47.3	51.3	56	61	66	71	76	81	87	93	99	106	121	139	159
1.45	33.6	36.1	38.6	41.1	44.1	47.1	50.1	53.6	57.1	61.1	66	71	76	81	86	91	97	103	109	116	131	147	169
	32.5	35.0	37.5	40.0	43.0	46.0	49.0	52.5	56.0	60.0	65	70	75	80	85	90	96	102	108	115	130	148	168
	31.2	33.7	36.2	38.7	41.7	44.7	47.7	51.2	54.7	58.7	64	69	74	79	84	89	95	101	107	114	129	146	166
1.46	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.1	56.6	60.6	66	70	76	81	86	91	97	103	109	116	131	146	168
	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	64	69	74	79	84	89	95	101	107	114	129	147	167
	29.5	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.1	62	67	72	77	82	87	93	99	105	112	127	145	165
	28.8	31.3	33.8	36.3	39.3	42.3	45.3	48.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	126	144	164
	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	60	65	70	75	80	85	91	97	104	110	125	143	163
	22.5	25.0	27.5	30.0	33.0	36.1	39.1	42.6	46.1	50.1	55	60	65	70	75	80	86	92	9*8	105	120	138	158
1.47	25.0	27.5	30.0	32.5	35.5	38.5	41.5	45.0	48.5	52.5	57	62	67	72	77	82	88	94	101	107	122	140	160
	2.12	23.7	26.2	28.8	31.8	34.8	37.8	41.3	44.8	48.8	54	59	64	69	74	79	85	91	97	104	119	136	156
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.13	1.15	1.17
1.48	30.3	32.8	35.3	37.8	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	100	113	128	145	165
	26.9	29.4	31.9	34.4	37.4	40.4	43.4	46.9	50.4	54.4	59	64	69	74	79	84	90	96	96	109	124	142	162
	25.9	28.8	30.4	33.4	36.5	39.5	42.5	46.0	49.5	53.5	58	63	68	73	78	83	89	95	95	108	123	141	161
	...	...	...	...	...	24.6	27.6	312	34.7	38.7	44	49	54	59	64	69	75	81	81	94	109	126	146
1.50	...	20.3	22.8	25.3	28.3	31.3	34.4	37.9	41.4	45.4	50	55	60	65	70	75	81	87	87	100	115	133	153
1.51	27.7	30.2	32.7	35.2	38.2	41.2	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	97	110	125	143	163
1.52	24.1	26.6	29.1	31.7	34.7	37.7	40.7	44.2	47.7	51.7	57	62	67	72	77	82	88	94	94	107	122	139	159
	...	...	...	22.1	25.1	28.1	31.1	34.7	38.2	42.2	47	52	57	62	67	72	78	84	84	97	112	130	150
1.53	33.8	36.3	38.8	41.3	44.3	47.3	50.3	53.8	57.3	61.3	66	71	76	81	86	91	97	103	103	116	131	1467	169
	30.8	33.3	35.8	38.3	41.3	44.3	47.3	50.8	54.3	58.3	63	68	73	78	83	88	94	100	100	113	128	146	166

NOTES: ** Stock belt size 5V2650 & 5V3350 not shown
Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

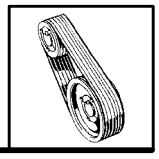
STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Number and Approx. Center Distance**							
			Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX 500	5VX 560	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800
	Driver	Driven		5VX	5V		5VX	5V		5VX	5V								
1.54	4.65	7.10	2275	10.7	6.7	1138	7.6	5.0	765	5.9	4.0	15.7	18.7	20.7	22.2	24.2	26.2	28.2	30.8
	4.90	7.50	2270	11.9	7.9	1135	8.4	5.8	752	6.53	4.6	15.2	18.2	20.2	21.7	23.7	25.7	27.7	30.2
	7.10	10.90	2269	21.7	17.3	1134	15.3	12.5	752	11.9	10.0	10.7	13.7	15.8	17.3	19.3	21.3	23.3	25.8
	9.75	15.00	2267	32.8	27.5	1133	23.2	20.2	751	18.0	15.9	...	...	...	..	13.8	15.9	17.9	20.4
1.55	5.20	8.00	2259	13.3	9.2	1130	9.3	6.8	749	7.3	5.4	14.6	17.6	19.6	21.1	23.1	25.1	27.1	29.6
	6.70	10.30	2265	20.0	15.7	1132	14.0	11.4	751	11.0	8.9	11.5	14.5	16.6	18.1	20.1	22.1	24.1	26.6
1.56	5.50	8.50	2250	14.6	10.5	1125	10.3	7.7	746	8.0	6.1	13.9	16.9	19.0	20.4	22.5	24.5	26.5	29.0
	6.30	9.75	2249	18.2	14.0	1124	12.8	10.1	745	9.9	8.0	12.3	15.3	17.3	18.8	20.8	22.8	24.8	27.3
	8.50	13.20	2244	27.7	22.9	1122	19.5	16.7	744	15.1	13.1	...	...	12.7	14.3	16.3	18.3	20.3	22.8
	9.00	14.00	2241	29.7	24.8	1121	21.0	18.1	743	16.3	14.2	...	...	...	13.2	15.2	17.3	19.3	21.8
	10.30	16.00	2245	34.9	29.4	1123	24.8	21.7	744	19.3	17.1	...	...	...	...	...	14.6	16.6	19.1
1.57	8.00	12.50	2230	25.6	20.9	1115	18.0	15.2	739	14.0	12.0	...	...	13.7	15.2	17.3	19.3	21.3	23.8
1.58	5.90	9.25	2219	16.4	12.3	1109	11.6	8.9	735	9.0	7.1	13.0	16.0	18.0	19.5	21.5	23.5	25.5	28.1
	7.50	11.80	2214	23.5	19.0	1107	16.5	13.8	734	12.8	10.8	...	12.7	14.7	16.2	18.2	20.2	22.2	24.7
	15.00	23.60	2219	...	...	1110	37.8	33.7	735	29.7	27.0	...	...	...	...	...	...	...	...
1.59	11.80	18.70	2202	40.6	34.3	1101	29.1	25.8	730	22.7	20.4	...	...	...	...	...	...	...	...
1.60	7.10	11.30	2188	21.8	17.4	1094	15.3	12.6	725	11.9	10.0	...	13.4	15.4	169	18.9	20.9	23.0	25.5
ARC–LENGTH CORRECTION FACTOR ▶												.82	.83	.85	.86	.87	.88	.89	.91
1.61	13.20	21.20	2173	45.6	38.4	1086	33.0	29.4	720	25.8	23.4	...	...	...	...	...	...	...	...
1.63	4.40	7.10	2150	9.3	5.7	1075	6.8	4.3	713	5.3	3.4	15.9	18.9	20.9	22.4	24.4	26.4	28.4	30.9
	4.65	7.50	2152	10.8	6.8	1076	7.6	5.1	713	5.9	4.1	15.4	18.4	20.4	21.9	23.9	25.9	27.9	30.4
	9.25	15.00	2149	30.8	25.7	1076	21.8	18.8	712	16.9	14.8	...	...	...	...	14.2	16.2	18.2	20.8
1.64	6.70	10.90	2139	20.2	15.7	1069	14.1	11.4	709	10.9	9.0	11.0	14.0	16.0	17.6	19.6	21.6	23.6	26.1
1.65	4.90	8.00	2127	11.9	7.9	1063	8.4	5.9	705	6.6	4.7	14.8	17.8	19.8	21.3	23.3	25.3	27.3	29.8
	5.20	8.50	2125	13.3	9.3	1063	9.4	6.8	704	7.3	5.4	14.1	17.2	19.2	20.7	22.7	24.7	26.7	29.2
	5.50	9.00	2124	14.7	10.6	1062	10.3	7.7	704	8.3	6.1	13.5	16.5	18.5	20.0	22.0	24.0	26.1	28.6
	6.30	10.30	2127	18.3	14.0	1064	12.8	10.2	705	10.0	8.0	11.8	14.8	16.9	18.4	20.4	22.4	24.4	26.9
	8.50	14.00	2115	27.7	22.9	1058	19.6	16.7	701	15.2	13.1	...	...	...	13.5	15.6	17.6	19.6	22.2
	9.75	16.00	2124	32.8	27.6	1062	23.2	20.2	704	18.1	15.9	...	...	...	...	...	...	17.0	19.5
1.66	5.90	9.75	2104	16.5	12.3	1052	11.6	9.0	697	9.0	7.1	12.6	15.6	17.6	19.1	21.1	23.1	25.1	27.6
	8.00	13.20	2111	25.6	21.0	1055	18.1	15.3	700	14.0	12.0	...	...	13.1	14.6	16.6	18.7	20.7	23.2
	11.30	18.70	2108	38.8	32.8	1054	27.7	24.4	698	21.6	19.3	...	...	...	...	...	...	...	...
1.67	7.10	11.80	2094	21.8	17.4	1047	15.3	12.6	694	11.9	9.9	...	12.9	15.0	16.5	18.5	20.5	22.5	25.0
	9.00	15.00	2091	29.8	24.8	1045	21.1	18.1	693	16.3	14.3	...	...	...	...	14.3	164	18.4	20.9
1.68	7.50	12.50	2089	23.5	19.0	1044	16.5	13.8	692	12.8	10.8	...	...	14.1	15.6	17.6	19.6	21.6	24.2
1.69	5.50	9.25	2066	14.7	10.6	1033	10.3	7.7	685	8.0	6.1	13.3	16.3	18.3	19.8	21.8	23.8	25.8	28.4
	14.00	23.60	2070	48.3	40.6	1035	35.2	31.4	686	27.6	25.0	...	...	...	...	...	...	...	...
1.70	6.70	11.30	2063	20.1	15.8	1028	14.1	11.4	684	10.9	9.0	10.6	13.7	15.7	17.2	19.2	21.2	23.3	25.8
	12.50	21.20	2063	43.2	36.5	1031	31.1	27.6	682	24.3	21.9	...	...	...	...	...	...	...	...
1.72	4.40	7.50	2034	9.6	5.72	1017	6.8	4.3	674	5.3	3.5	15.6	18.6	20.6	22.1	24.1	26.1	28.1	30.6
	10.90	18.70	2032	37.3	31.5	1016	26.6	23.4	674	20.7	18.5	...	...	...	...	...	...	...	...
1.74	4.65	8.00	2016	10.6	6.9	1008	7.6	5.1	668	6.0	4.1	15.0	18.0	20.0	21.5	23.5	25.5	27.5	30.0
	6.30	10.90	2009	18.3	14.1	1005	12.9	10.2	666	10.0	8.1	11.3	14.3	16.3	17.8	19.9	21.9	23.9	26.4
	9.25	16.00	2014	30.8	25.8	1007	21.8	18.9	668	16.9	14.8	...					15.3	17.3	19.9
1.75	4.90	8.50	2000	12.0	8.0	1000	8.4	5.9	663	6.6	4.7	14.4	17.4	19.4	20.9	22.9	24.9	26.9	29.4
	5.20	9.00	2006	13.3	9.3	1003	9.4	6.8	665	7.3	5.4	13.7	16.7	18.8	20.3	22.3	24.3	26.3	28.8
	16.00	28.00	1995	...	...	997	40.4	36.0	661	31.8	29.0	...	...	...	...	...	...	...	...
ARC–LENGTH CORRECTION FACTOR ▶													.83	.85	.86	.87	.88	.89	.91
1.76	5.90	10.30	1990	16.5	12.4	995	11.6	9.0	660	9.0	7.1	...	15.1	17.1	18.6	20.7	22.7	24.7	2.72
	8.00	14.00	1989	25.7	21.0	995	18.1	15.3	659	14.0	12.0	...	...	12.4	13.9	15.9	18.0	20.0	22.5
1.77	6.70	11.80	1974	20.1	15.5	987	14.1	11.4	654	10.9	9.0	...	13.2	15.3	16.8	18.8	20.8	22.8	25.3
	7.10	12.50	1976	21.8	17.4	977	15.3	12.6	655	11.9	9.9	...	12.3	14.4	15.9	17.9	19.9	21.9	24.5
	7.50	13.20	1977	23.5	19.1	979	16.6	13.8	655	12.8	10.9	...	...	13.4	15.0	17.0	19.0	21.0	23.6
	8.50	15.00	1973	27.8	23.0	987	19.6	16.7	654	15.2	13.2	...	...	...	...	14.7	16.7	18.8	21.3
1.79	5.20	9.25	1951	13.3	9.3	975	9.4	6.8	647	7.3	5.4	...	16.5	18.5	20.0	22.1	24.1	26.1	28.6
	5.50	9.75	1959	14.7	10.7	979	10.4	7.8	649	8.1	6.1	...	15.9	17.9	19.4	21.4	23.4	25.4	27.9
	9.00	16.00	1959	29.8	24.9	980	21.1	18.2	649	16.4	14.3	...	...	...	...	...	15.5	17.5	20.1
	13.20	23.60	1951	45.6	38.5	976	33.1	29.4	647	25.8	23.4	...	...	...	...	...	...	...	...

NOTES: * 5VX = single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

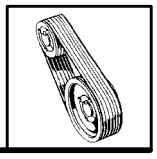
STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																							
	5VX 850	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3150	5V 3550
1.54	33.3	35.8	38.3	40.7	43.8	46.8	49.8	53.3	56.8	60.7	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	32.7	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	28.3	30.8	33.3	35.8	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	110	...	126	143	163
	22.9	25.4	27.9	30.4	33.5	36.5	39.5	43.0	46.5	50.5	56	61	66	71	76	81	86	92	99	105	...	120	138	158
1.55	32.1	34.6	37.1	39.6	42.6	45.6	48.6	52.1	55.6	59.6	65	70	75	80	85	90	96	102	108	114	...	130	147	167
	29.1	31.6	34.1	36.6	39.6	42.6	45.6	49.1	52.6	56.6	62	67	72	77	82	87	93	99	105	112	...	127	144	164
1.56	31.5	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	...	129	146	166
	29.9	32.3	34.9	37.4	40.4	43.4	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	...	127	145	165
	25.4	27.9	30.4	32.9	35.9	38.9	41.9	45.4	48.9	52.9	58	63	68	73	78	83	89	94	101	108	...	123	140	160
	24.3	26.8	29.3	31.8	34.8	37.9	40.9	44.4	47.9	51.9	57	62	67	72	77	82	88	94	100	107	...	122	139	159
	21.7	24.2	26.7	29.2	32.2	35.2	38.2	41.7	45.3	49.3	54	59	64	69	74	79	85	91	97	104	...	119	137	157
1.57	26.3	28.8	31.3	33.8	36.8	39.8	42.8	46.3	49.8	53.9	59	64	69	74	79	84	90	96	102	109	...	124	141	161
1.58	30.6	33.1	35.6	38.1	41.1	44.1	47.1	50.6	54.1	58.1	63	68	73	78	83	88	94	100	106	113	...	128	146	166
	27.3	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.8	60	65	70	75	80	85	91	97	103	110	...	125	142	162
	...	...	...	...	22.3	25.3	28.4	31.9	35.4	39.4	44	50	55	60	64	70	76	82	88	95	...	110	127	147
1.59	18.2	20.8	23.3	25.8	28.8	31.9	34.9	38.4	41.9	45.9	51	56	61	66	71	76	82	88	94	101	...	116	133	153
1.60	28.0	30.5	33.0	35.5	38.5	41.5	44.5	48.0	51.5	55.5	61	66	71	76	80	85	91	97	104	110	...	125	143	163
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.17
1.61	...	...	20.1	22.6	25.7	28.7	31.7	35.3	38.8	42.8	48	53	58	63	68	73	79	85	91	98	...	113	130	150
1.63	33.4	35.9	38.4	40.9	43.9	46.9	49.9	53.5	57.0	61.0	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	32.9	35.4	37.9	40.4	43.4	46.4	49.4	52.9	56.4	60.6	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	23.3	25.8	28.3	30.8	33.8	36.8	39.9	43.4	46.9	50.9	56	61	66	71	76	81	87	93	99	106	...	121	138	158
1.64	28.6	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	...	126	144	164
1.65	32.3	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	84	90	96	102	108	114	...	130	147	167
	31.7	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	...	129	147	167
	31.1	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	107	114	...	129	146	166
	24.7	27.2	29.7	32.2	35.2	38.2	41.2	44.7	48.3	52.3	57	62	67	72	77	82	88	94	100	107	...	122	140	160
	29.4	31.9	34.4	36.9	39.9	42.9	45.9	49.4	52.9	56.9	62	67	72	77	82	87	93	99	105	112	...	127	144	164
	22.1	24.6	27.1	29.6	32.6	35.6	38.6	42.2	45.7	49.7	55	60	65	70	75	80	86	92	98	105	...	120	137	157
1.66	30.2	32.7	35.2	37.7	40.7	43.7	46.7	50.2	53.7	57.7	62	68	73	78	83	88	94	100	106	113	...	128	145	165
	25.7	28.2	30.7	33.2	36.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	...	123	141	161
	18.6	21.1	23.6	26.2	29.2	32.2	35.2	38.8	42.3	46.3	51	56	61	66	71	76	82	88	94	101	...	116	134	154
1.67	27.6	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.1	60	65	70	75	80	85	91	97	103	110	...	125	143	163
	23.5	26.0	28.5	31.0	34.0	37.0	40.0	43.5	47.1	51.1	56	61	66	71	76	81	87	93	99	106	...	121	139	159
1.68	26.7	29.2	31.7	34.2	37.2	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	102	109	...	124	142	162
1.69	30.9	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	...	128	146	166
1.69	...	...	...	...	23.0	26.0	29.1	32.6	36.2	40.2	45	50	55	60	65	70	76	82	88	95	...	110	127	148
1.70	28.3	30.8	33.3	35.8	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	111	...	126	143	163
	...	...	20.6	23.1	26.2	29.2	32.2	35.8	39.3	43.3	48	53	58	63	68	73	79	85	91	98	...	113	131	151
1.72	33.1	35.6	38.1	40.6	43.6	46.6	49.6	53.1	56.6	60.6	66	71	76	81	86	91	97	103	109	116	...	131	148	168
	18.9	21.4	23.9	26.5	29.5	32.5	35.5	39.1	42.6	46.6	52	57	62	67	72	77	83	89	95	102	...	117	134	154
1.74	32.5	35.0	37.5	40.0	43.0	46.0	49.0	52.5	56.0	60.0	65	70	75	80	85	90	96	102	108	115	...	130	148	168
	28.9	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	105	111	...	126	144	164
	22.4	24.9	27.5	30.0	33.0	36.0	39.0	42.5	46.0	50.1	55	60	65	70	75	80	86	92	98	105	...	120	138	158
1.75	31.9	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	65	69	74	79	84	89	95	101	107	114	...	129	147	167
	31.3	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	67	74	79	84	89	94	101	107	114	...	129	146	166
	...	...	...	...	...	...	...	27.3	30.9	34.9	40	45	50	55	60	65	71	77	83	90	...	105	123	143
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.17
1.76	29.7	32.2	34.7	37.2	40.2	43.2	46.2	49.7	53.2	57.2	62	67	72	77	82	87	93	99	105	112	120	127	145	165
	25.1	27.6	30.1	32.6	35.6	38.6	41.6	45.1	48.6	52.6	58	63	68	73	78	83	89	95	101	108	115	123	140	160
1.77	27.9	30.4	32.9	35.4	38.4	41.4	44.4	47.9	51.4	55.4	60	65	70	75	80	85	91	97	103	110	118	125	143	163
	27.0	29.5	32.0	34.5	37.5	40.5	43.5	47.0	50.5	54.5	60	65	70	75	80	84	91	97	103	110	117	125	142	162
	26.1	28.6	31.1	33.6	36.6	39.6	42.6	46.2	49.7	53.7	59	64	69	74	79	84	90	96	102	109	116	124	141	161
	23.8	26.3	28.9	31.4	34.4	37.4	40.4	43.9	47.4	51.4	56	61	66	71	76	81	87	93	99	106	114	121	139	159
1.79	31.1	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	10	114	121	129	146	166
	30.5	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	121	128	146	166
	22.6	25.1	27.6	30.2	33.2	36.2	39.2	42.7	46.2	50.2	55	60	65	70	75	80	86	92.3	98	105	113	120	138	158
	...	...	...	...	23.5	26.6	29.6	33.2	36.7	40.8	46	51	56	61	66	71	77	83	89	96.0	103	111	128	149

NOTES: Stock belt size 5V2650 & 5V3350 not shown
Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

SHEAVES	BELTS	SELECTION: CLASSICAL	ENGINEERING/TECHNICAL
PAGES PT7–2-PT7–27	PAGES PT7–28-PT7–41	PAGES PT7–84-PT7–123	PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

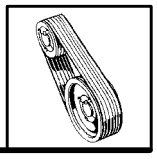
STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Number and Approx. Center Distance**							
	Driver	Driven	Driven RPM	HP/Belt 5VX	HP/Belt 5V	Driven RPM	HP/Belt 5VX	HP/Belt 5V	Driven RPM	HP/Belt 5VX	HP/Belt 5V	5VX 560	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
1.80	11.80	21.20	1941	40.7	34.5	653	29.2	25.8	643	22.7	20.5	...	...	...	...	...	...	...	...
1.81	6.30	11.30	1938	18.3	14.1	652	12.9	10.2	642	10.0	8.1	14.0	16.0	17.5	19.5	21.5	23.6	26.1	28.6
1.82	10.30	18.70	1919	35.0	29.6	636	24.9	21.8	636	19.4	17.2	...	...	...	...	...	...	16.7	19.3
1.84	4.40	8.00	1905	9.7	5.8	631	6.8	4.3	631	5.3	35.0	18.2	20.2	21.7	23.7	25.7	27.7	30.2	32.7
1.85	4.65	8.50	1896	10.8	6.9	628	7.7	5.1	628	6.0	4.1	17.6	19.6	21.1	23.1	25.1	27.1	29.6	32.1
	4.90	9.00	1888	12.0	8.0	626	8.5	5.9	626	6.6	4.7	17.0	19.0	20.5	22.5	24.5	26.5	29.0	31.5
1.86	5.90	10.90	1880	16.5	12.4	623	11.6	9.0	623	9.0	7.1	14.6	16.6	18.1	20.2	22.2	24.2	26.7	29.2
1.87	7.10	13.20	1870	21.8	17.5	620	15.4	12.7	620	11.9	10.0	11.7	13.7	15.3	17.3	19.3	21.3	23.9	26.4
	15.00	28.00	1869	...	...	619	37.9	33.7	619	29.7	27.1	...	...	...	...	...	...	...	...
1.88	6.70	12.50	1863	20.1	15.8	617	14.1	11.5	617	11.0	9.0	12.6	14.6	16.2	18.2	20.2	22.2	24.8	27.3
	7.50	14.00	1863	23.6	19.1	618	16.6	13.8	618	12.9	10.9	...	12.7	14.3	16.3	18.3	20.4	22.9	25.4
	11.30	21.20	1858	38.9	32.9	616	27.8	24.5	616	21.6	19.4	...	...	...	...	...	...	...	...
1.89	5.20	9.75	1850	13.4	9.4	613	9.4	6.9	613	7.3	5.4	16.1	18.1	19.6	21.6	23.7	25.7	28.2	30.7
	5.50	10.30	1563	14.7	10.7	614	10.4	7.8	614	8.1	6.2	15.4	17.4	18.9	21.0	23.0	25.0	27.5	30.0
	6.30	11.80	1855	18.3	14.1	615	12.9	10.2	615	10.0	8.1	13.5	15.5	17.1	19.1	21.1	23.1	25.6	28.2
	8.00	15.00	1856	25.7	21.1	615	18.1	15.3	615	14.0	12.0	...	...	13.0	15.0	17.1	19.1	21.7	24.2
	8.50	16.00	1849	27.8	23.0	613	19.6	16.8	613	15.2	13.2	...	...	...	13.8	15.8	17.9	20.4	23.0
1.90	12.50	23.60	1847	43.2	36.6	612	31.1	27.7	612	24.3	22.0	...	...	...	...	...	...	...	...
1.91	4.90	9.250	1836	12.0	8.0	609	8.5	5.9	609	6.6	4.7	16.7	18.8	20.3	22.3	24.3	26.3	28.8	31.3
1.93	5.90	11.30	1813	16.6	12.4	601	11.6	9.0	601	9.0	7.1	14.2	16.3	17.8	19.8	21.8	23.8	26.4	28.9
	9.75	18.70	1816	32.9	27.7	602	23.3	20.3	602	18.1	16.0	...	...	...	...	...	...	17.1	19.7
1.95	4.40	8.50	1792	9.7	5.8	594	6.9	4.3	594	5.4	3.5	17.8	19.8	21.3	23.3	25.3	27.3	29.8	32.3
	10.90	21.20	1791	37.4	31.6	594	26.7	23.5	594	20.7	18.5	...	...	...	...	...	...	...	...
1.96	4.65	9.00	1789	10.9	6.9	593	7.7	5.1	593	6.0	4.1	17.1	19.2	20.7	22.7	24.7	26.7	29.2	31.7
1.97	16.00	31.50	1772	...	...	587	40.5	36.1	587	31.9	29.1	...	...	...	...	...	...	...	...
1.98	6.70	13.20	1763	20.1	15.8	584	14.1	11.5	584	11.0	9.0	11.9	14.0	15.5	17.6	19.6	21.6	24.2	26.7
1.99	7.10	14.00	1763	21.9	17.5	584	15.4	12.7	584	11.9	10.0	...	13.0	14.5	16.6	18.6	20.6	23.2	25.7
									ARC-LENGTH CORRECTION FACTOR ▶			.83	.85	.86	.87	.88	.89	.91	.92
2.00	5.20	10.30	1750	13.4	9.4	875	9.4	6.9	580	7.3	5.5	15.6	17.6	19.2	21.2	23.2	25.2	27.7	30.2
	5.50	10.90	1750	14.8	10.7	875	10.4	7.8	580	8.1	6.2	14.9	16.9	18.4	20.4	22.5	24.5	27.0	29.5
	6.30	12.50	1750	18.4	14.2	875	12.9	10.3	580	10.0	8.1	12.9	14.9	16.4	18.5	20.5	22.5	25.1	27.6
2.01	4.65	9.25	1740	10.9	6.9	870	7.7	5.1	577	6.0	4.1	16.9	18.9	20.5	22.5	24.5	26.5	29.0	31.5
	4.90	9.75	1741	12.0	8.1	870	8.5	5.9	577	6.6	4.7	16.3	18.3	19.9	21.9	23.9	25.9	28.4	30.9
	7.50	15.00	1738	23.6	19.1	869	16.6	13.9	576	12.9	10.9	...	...	13.3	15.4	17.4	19.5	22.0	24.5
	8.00	16.00	1739	25.7	21.1	869	18.1	15.3	576	14.1	12.1	...	...	...	14.1	16.2	18.2	20.8	23.3
	11.80	23.60	1743	40.7	34.5	870	29.2	25.9	578	22.8	20.5	...	.....	.....	.....	.....	.....	.....	...
	14.00	28.00	1744	48.4	40.7	872	35.2	31.4	578	27.6	25.1	...	...	...	.....	.....	.....	.....	...
2.02	5.90	11.80	1735	16.6	12.5	868	11.6	9.0	575	9.0	7.1	13.8	15.8	1.74	19.4	21.4	23.4	25.9	28.4
2.03	9.25	18.70	1722	30.9	25.9	861	21.9	18.9	571	17.0	14.9	...	...	...	...	...	...	17.4	20.0
2.07	4.40	9.00	1691	9.7	5.8	846	6.9	4.4	560	5.4	3.5	17.3	19.3	20.9	22.9	24.9	26.9	29.4	31.9
	5.50	11.30	1688	14.8	10.7	844	10.4	7.8	559	8.1	6.2	14.5	16.6	18.1	20.1	22.1	24.1	26.7	29.2
	10.30	21.20	1692	35.1	29.6	846	24.9	21.9	561	19.4	17.2	...	...	...	...	...	...	...	...
2.09	9.00	18.70	1675	29.9	25.0	837	21.1	18.2	555	16.4	14.3	...	...	...	...	...	...	17.6	20.2
2.10	11.30	23.60	1668	38.9	32.9	834	27.8	24.6	553	21.6	19.4	...	...	...	...	...	...	...	...
2.11	6.30	13.20	1656	18.4	14.2	828	12.9	10.3	549	10.0	8.1	...	14.3	15.8	17.9	19.9	21.9	24.4	27.0
	6.70	14.00	1662	20.1	15.9	831	14.2	11.5	551	11.0	9.0	...	13.2	14.8	16.9	18.9	20.9	23.5	26.0
	15.0	31.50	1661	...	...	830	37.9	33.8	550	29.7	27.1	...	...	...	...	...	...	...	...
2.12	46.50	9.75	1650	10.9	7.0	825	7.7	5.2	547	6.0	4.1	...	18.5	20.0	22.0	24.1	26.1	28.6	31.1
	5.20	10.90	1653	13.4	9.4	826	9.4	6.9	548	7.3	5.5	...	17.1	18.6	20.7	22.7	24.7	27.2	29.7
2.13	4.40	9.25	1645	9.7	5.8	822	6.9	4.4	545	5.4	3.5	...	19.1	20.6	22.7	24.7	26.7	29.2	31.7
	4.90	10.30	1647	12.0	8.1	824	8.5	6.0	546	6.6	4.7	...	17.9	19.4	21.4	23.4	25.4	27.9	30.4
	7.10	15.00	1644	21.9	17.5	822	15.4	12.7	545	11.9	10.0	...	...	13.6	15.6	17.7	19.8	22.3	24.8
	13.20	28.00	1643	45.7	38.6	822	33.1	29.5	545	25.9	23.4	...	...	...	...	...	...	...	...
2.14	5.90	12.50	1637	16.6	12.5	819	11.7	9.1	543	9.1	7.1	...	15.2	16.7	18.8	20.8	22.8	25.3	27.9
2.15	7.50	16.00	1629	23.6	19.2	814	16.6	13.9	540	12.9	10.9	...	...	...	14.4	16.5	18.6	21.1	23.7
2.17	5.50	11.80	1615	14.8	10.7	808	10.4	7.8	535	8.1	6.2	...	16.1	17.6	19.7	21.7	23.7	26.2	28.7
2.18	10.90	23.60	1609	37.4	31.7	804	26.7	23.5	533	20.7	18.6	...	...	...	...		...	...	...

NOTES: * 5VX = single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: CLASSICAL PAGES PT7-84-PT7-123	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

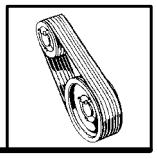
STOCK DRIVE SELECTIONS

Speed Ratio	Belt Number and Approx. Center Distance																							
	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3550
1.80	18.5	21.1	23.6	26.7	29.7	32.6	36.3	39.8	43.8	49	54	59	64	69	74	80	86	92	99	106	114	...	132	152
1.81	31.1	33.6	36.1	39.1	42.1	45.1	48.6	52.1	56.1	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
1.82	21.8	24.4	26.9	29.9	33.0	36.0	39.5	43.0	47.0	52	57	62	67	72	77	83	89	95	102	110	117	...	135	155
1.84	35.2	37.7	40.2	43.2	46.2	49.2	52.7	56.2	60.2	65	70	75	80	85	90	96	102	108	115	123	130	...	148	168
1.85	34.6	37.1	39.6	42.6	45.6	28.6	52.1	55.6	59.6	65	70	75	80	85	90	96	102	108	115	122	130	...	147	167
	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
1.86	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.8	62	67	72	77	82	87	93	99	105	112	119	127	...	144	164
1.87	28.9	31.4	33.9	36.9	39.9	42.9	46.5	50.0	54.0	59	64	69	74	79	84	90	96	102	109	117	124	...	142	162
	...	...	...	...	...	24.4	28.0	31.6	35.6	41	46	51	56	61	66	72	78	84	91	99	106		124	144
1.88	29.8	32.3	34.8	37.8	40.8	43.8	47.3	50.8	54.9	60	65	70	75	80	85	91	97	103	110	117	125	...	142	162
	27.9	30.4	33.0	36.0	39.0	42.0	45.5	49.0	53.0	58	63	68	73	78	83	89	95	101	108	116	123	...	141	161
	18.8	21.4	24.0	27.0	30.1	33.1	36.6	40.2	44.2	49	54	59	64	69	74	80	86	92	99	107	114	...	132	152
1.89	33.2	35.7	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	121	128	..	146	166
	32.5	35.0	37.5	40.5	43.5	46.5	50.0	63.5	57.5	63	68	73	78	83	88	94	100	106	113	120	128	...	145	165
	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.7	61	66	71	76	81	86	92	98	104	111	118	126	...	143	163
	26.7	29.2	31.7	34.8	37.8	40.8	44.3	47.8	51.8	57	62	67	72	77	82	88	94	100	107	114	122	...	139	159
	25.5	28.0	30.5	33.5	36.6	39.6	43.1	46.6	50.6	56	61	66	71	76	81	87	93	99	105	113	121	...	138	158
1.90	...	...	20.9	24.0	27.1	30.1	33.7	37.2	41.3	46	51	56	61	66	71	77	83	89	97	104	112	...	129	149
1.91	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	121	129	...	146	166
1.93	31.4	33.9	36.4	39.4	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
	22.2	24.8	27.3	30.3	33.4	36.4	39.9	43.4	47.4	52	57	62	67	73	78	84	90	96	103	110	118	...	135	155
1.95	34.8	37.3	39.8	42.8	45.8	48.8	52.3	55.8	59.8	65	70	75	80	85	90	96	102	108	114	122	130	...	147	167
	19.1	21.7	24.2	27.3	30.4	33.4	36.9	40.5	44.5	50	55	60	65	70	74	81	87	93	100	107	115	...	132	152
1.96	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
1.97	...	...	...	...	...	...	...	27.6	31.7	37	42	47	52	57	62	68	74	80	87	95	102	...	120	140
1.96	29.2	31.7	34.2	37.2	40.2	43.2	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	117	124	...	142	162
1.99	28.2	30.7	33.2	36.3	39.3	42.3	45.8	49.3	53.3	58	63	68	73	78	83	89	95	101	108	116	123	...	141	161
	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13		1.14	1.16
2.00	32.7	35.2	37.7	40.8	43.8	46.8	50.3	53.8	57.8	63	68	73	78	83	88	94	100	106	113	120	128	...	145	165
	32.0	34.5	37.0	40.0	43.0	46.0	49.5	53.1	57.1	62	67	72	77	82	87	93	99	105	112	120	127	...	147	165
	30.1	32.6	35.1	38.1	41.1	44.1	47.6	51.1	55.2	60	65	70	75	80	85	91	97	103	110	118	125	...	143	163
2.01	34.0	36.5	39.0	42.0	45.0	48.0	51.5	55.0	59.0	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
	33.4	35.9	38.4	41.4	44.4	47.4	50.9	54.4	589.4	63	68	73	78	83	88	94	100	106	113	121	128	...	146	166
	27.1	29.6	32.1	35.1	38.1	41.2	44.7	48.2	52.2	57	62	67	72	77	82	88	94	100	107	115	122	...	140	160
	25.9	28.4	30.9	33.9	36.9	40.0	43.5	47.0	51.0	56	61	66	71	76	81	87	93	99	106	114	121	...	139	159
	...	...	21.4	24.5	27.6	30.6	34.2	37.7	41.8	47	52	57	62	67	72	78	84	90	97	105	112	...	130	150
	...	...	...	...	...	25.0	28.7	32.3	36.3	41	47	51	57	62	67	73	79	85	92	99	107	...	124	144
2.02	31.0	35.5	36.0	39.0	42.0	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	...	144	164
2.03	22.6	25.1	27.6	30.7	33.7	36.7	40.3	43.8	47.8	53	58	63	68	73	78	84	90	96	103	110	118	...	135	155
2.07	34.4	36.9	39.4	42.4	45.4	48.4	51.9	55.4	59.4	64	69	74	79	84	89	95	101	107	114	122	129	...	147	167
	31.7	34.2	36.7	39.7	42.7	45.7	49.2	52.7	56.7	62	67	72	77	82	87	93	99	105	112	119	127	...	144	164
	19.5	22.1	24.7	27.7	30.8	33.8	37.4	40.9	44.9	50	55	60	65	70	75	81	87	93	100	108	115	...	133	153
2.09	22.7	25.3	27.8	30.9	33.9	36.9	40.5	44.0	48.0	53	58	63	68	73	78	84	90	96	103	111	118	...	136	156
2.10	...	...	21.7	24.8	27.9	31.0	34.5	38.1	42.1	47	52	57	62	67	72	78	84	90	97	105	112	...	130	150
2.11	29.5	32.0	34.5	37.5	40.5	43.5	47.1	50.6	54.6	60	65	70	75	80	85	91	97	103	110	117	125	135	142	162
	28.5	31.0	33.6	36.6	39.6	42.6	46.1	49.6	53.6	59	64	69	74	79	84	90	96	102	109	116	124	...	141	161
	...	...	...	...	...	...	...	28.3	32.4	38	43	48	53	58	63	69	75	81	88	96	103	...	121	141
2.12	33.6	36.1	38.6	41.6	44.6	47.6	51.1	54.6	58.6	64	69	74	79	84	89	95	101	107	114	121	129	137	146	166
	32.2	34.7	37.2	40.3	43.3	46.3	49.8	53.3	57.3	62	67	72	77	82	87	93	99	105	112	120	127	139	145	165
2.13	34.2	36.7	39.2	42.2	45.2	48.2	51.7	55.2	59.2	64	69	74	79	84	89	95	101	107	114	122	129	139	147	167
	33.0	35.5	38.0	41.0	44.0	47.0	50.5	54.0	58.0	63	68	73	78	83	88	94	100	106	113	121	128	138	146	166
	27.4	29.9	32.4	35.4	38.4	41.5	45.0	48.5	52.5	58	63	68	73	78	83	89	95	101	108	115	123	133	140	160
	...	...	...	...	...	25.6	29.2	32.8	36.9	42	47	52	57	62	67	73	79	85	92	100	107	117	125	145
2.14	30.4	32.9	35.4	38.4	41.4	44.4	47.9	51.4	55.5	60	65	70	75	80	85	91	98	104	111	118	126	136	143	163
2.15	26.2	28.7	31.3	34.3	37.3	40.3	43.8	47.4	51.4	56	61	66	71	76	81	87	93	99	106	114	121	131	139	159
2.17	31.3	33.8	36.3	39.3	42.3	45.3	48.8	52.3	56.3	61	66	71	76	81	86	92	98	104	111	119	126	136	144	164
2.18	...	...	22.0	25.1	28.2	31.3	34.8	38.4	42.4	47	53	58	63	68	73	79	85	91	98	105	113	123	130	150

NOTES: Stock belt size 5V2650 & 5V3350 not shown
Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

SHEAVES	BELTS	SELECTION: CLASSICAL	ENGINEERING/TECHNICAL
PAGES PT7-2-PT7-27	PAGES PT7-28-PT7-41	PAGES PT7-84-PT7-123	PAGES PT7-123-PT7-128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

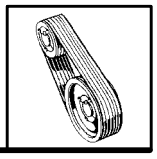
STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Number and Approx. Center Distance**						
	Driver	Driven	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	Driven RPM	HP/Belt 5VX	HP/Belt 5VX	5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
2.19	9.75	21.20	1601	32.9	27.7	800	23.3	20.4	531	18.1	16.0	...	...	...	...	...	...	17.3
2.20	5.20	11.30	1594	13.4	9.4	797	9.5	6.9	528	7.4	5.5	16.8	18.3	20.3	22.3	24.4	26.9	29.4
2.21	8.50	18.70	1581	27.8	23.1	790	19.6	16.8	524	15.2	13.2	...	...	...	...	15.3	17.9	20.5
2.24	4.40	9.75	1560	9.7	5.8	780	6.9	4.4	517	5.4	3.5	18.7	20.2	22.2	24.2	26.3	28.8	31.3
	4.65	10.30	1561	10.9	7.0	781	7.7	5.2	517	6.0	4.1	18.0	19.6	21.6	23.6	25.6	28.1	30.6
	6.30	14.00	1561	18.4	14.2	781	12.9	10.3	517	10.0	8.1	13.5	15.1	17.1	19.2	21.2	23.8	26.3
2.25	4.90	10.90	1556	12.1	8.1	778	8.5	6.0	516	6.6	4.7	17.3	18.9	20.9	22.9	24.9	27.4	29.9
	12.50	28.00	1556	43.3	36.6	778	31.2	27.7	516	24.3	22.0	...	...	...	...	...	...	...
2.26	5.90	13.20	1550	16.6	12.5	775	11.7	9.1	516	9.1	7.2	14.5	16.1	18.1	20.2	22.2	24.7	27.3
	6.70	15.00	1550	20.2	15.9	775	14.2	11.5	514	11.0	9.1	12.3	13.8	15.9	18.0	20.0	22.6	25.1
	14.00	31.50	1549	48.4	40.7	775	35.3	31.5	514	27.6	25.1	...	...	...	...	...	...	...
2.27	7.10	16.00	1541	21.9	17.55	770	15.4	12.7	511	11.9	10.0	...	...	14.7	16.8	18.8	21.4	23.9
2.29	5.20	11.80	1526	13.4	9.4	763	9.5	6.9	506	7.4	5.5	16.3	17.8	19.9	21.9	23.9	26.4	29.0
2.30	5.50	12.50	1524	14.8	10.8	762	10.4	7.8	505	8.1	6.2	15.5	17.0	19.0	21.1	23.1	25.6	28.1
	10.30	23.60	1519	35.1	29.7	760	25.0	21.9	503	19.4	17.2	...	...	...	...	...	...	...
2.31	9.25	21.20	1518	30.9	25.9	729	21.9	19.0	503	17.0	14.9	...	...	...	...	...	...	17.6
2.33	4.90	11.30	1500	12.1	8.1	750	8.5	6.0	497	6.6	4.8	17.0	18.5	20.5	22.5	24.6	27.1	29.6
2.35	8.00	18.70	1487	25.8	21.2	713	18.1	15.4	493	14.1	12.1	...	...	...	...	15.6	18.2	20.8
	16.00	37.50	1488	...	...	744	40.5	36.1	493	31.9	29.1	...	...	...	...	...	...	...
2.37	4.40	10.30	1475	9.7	5.9	738	6.9	4.4	489	5.4	3.5	18.2	19.7	21.8	23.8	25.8	28.3	30.8
	4.65	10.90	1475	10.9	7.0	737	7.7	5.2	489	6.0	4.1	17.5	19.0	21.1	23.1	25.1	27.6	30.1
	9.00	21.20	1476	29.9	25.0	738	21.1	18.3	489	16.4	14.4	...	...	...	...	...	...	17.7
2.38	11.80	28.00	1468	40.8	34.6	734	29.2	25.9	486	22.8	20.5	...	...	...	...	...	...	...
2.40	5.90	14.00	1460	16.6	12.5	730	11.7	9.1	484	9.1	7.2	13.8	15.3	17.4	19.4	21.5	24.0	26.6
	6.30	15.00	1456	18.4	14.2	728	12.9	10.3	483	10.0	8.1	12.5	14.1	16.2	18.3	20.3	22.9	25.4
	13.20	31.50	1460	45.7	38.6	730	33.1	29.5	484	25.9	23.5	...	...	...	...	...	...	...
2.41	6.70	16.00	1453	20.2	15.9	726	14.2	11.5	482	11.0	9.1	.....	12.8	15.0	17.0	19.1	21.7	24.2
2.43	5.20	12.50	1440	13.5	9.5	720	9.5	6.9	477	7.4	5.5	15.7	172	19.3	21.3	23.3	25.8	28.4
	5.50	13.20	1443	14.8	10.8	721	10.4	7.9	478	8.1	6.2	14.8	16.4	18.4	20.5	22.5	25.0	27.6
2.44	4.90	11.80	1436	12.1	8.1	718	8.5	6.0	476	6.6	4.78	16.5	18.1	20.1	22.1	24.1	26.7	29.2
	9.75	23.60	1437	32.9	27.7	719	23.4	20.4	476	18.1	16.1	..	...	...	...	...	...	...
2.48	4.65	11.30	1422	10.9	7.0	711	7.71	5.2	471	6.0	4.2	17.2	18.7	20.7	22.7	24.7	27.3	29.8
2.49	11.30	28.00	1405	38.9	33.0	703	27.8	24.6	466	21.7	19.4	...	...	...	...	...	...	
	ARC-LENGTH CORRECTION FACTOR ▶											.84	.84	.86	.87	.88	.89	.91
2.51	4.40	10.90	1394	9.7	5.9	697	6.9	4.4	462	5.4	3.5	17.7	19.2	21.2	23.3	25.3	27.8	30.3
	7.50	18.70	1392	23.6	19.2	696	16.6	13.9	462	12.9	10.9	...	...	...	...	15.9	18.6	21.2
	8.50	21.20	1393	27.9	23.1	697	19.7	16.8	462	15.2	13.2	...	...	...	...	...	...	18.1
	15.00	37.50	1394	...	...	697	37.9	33.9	462	29.8	27.1	...	...	...	...	...	...	...
2.53	12.50	31.50	1382	43.3	36.7	691	31.2	27.7	458	24.3	22.0	...	...	...	...	...	...	...
2.56	6.30	16.00	1365	18.4	14.2	682	12.9	10.3	452	10.0	8.1	...	13.1	15.2	17.3	19.4	22.0	24.5
2.57	4.65	11.80	1361	10.9	7.0	681	7.7	5.2	451	6.0	4.2	16.7	18.2	20.3	22.3	24.3	26.8	29.4
	5.20	13.20	1363	13.5	9.5	681	9.5	6.9	452	7.4	5.5	15.0	16.6	18.6	20.7	22.7	25.2	27.8
	5.50	14.00	1360	14.8	10.8	680	10.4	7.9	451	8.1	6.2	14.0	15.6	17.7	19.7	21.8	24.3	26.8
	5.90	15.00	13962	16.6	12.5	681	11.7	9.1	452	9.1	7.2	12.8	14.4	16.5	18.5	20.6	23.1	25.7
	9.25	23.60	1363	30.9	25.9	681	21.9	19.0	452	17.0	14.9	...	...	...	...	...	...	...
2.58	4.90	12.50	1355	12.1	8.1	677	8.5	6.0	449	6.6	4.8	...	17.4	19.5	21.5	23.5	26.1	28.6
	10.90	28.00	1355	37.4	31.7	677	26.7	23.5	449	20.8	18.6	...	...	...	...	...	...	...
2.60	4.40	11.30	1344	9.8	5.9	672	6.9	4.4	445	5.4	3.5	...	18.9	20.9	22.9	24.9	27.9	30.0
2.64	9.00	23.60	1326	29.9	25.0	663	21.2	18.3	439	16.4	14.4	...	...	...	...	...	...	...
2.66	7.10	18.70	1317	21.9	17.6	659	15.4	12.7	437	12.0	10.0	...	...	...	...	16.2	15.8	26.5
2.67	8.00	21.20	1310	25.8	21.2	655	18.2	15.4	434	14.1	12.1	...	...	...	...	...	...	18.4
2.68	11.80	31.50	1304	40.8	34.6	652	29.2	25.9	432	22.8	20.5	...	...	...	...	...	...	...
2.69	14.00	37.50	1301	48.4	40.7	650	35.3	31.5	431	27.6	25.1	...	...	...	...	...	...	...
2.72	4.40	11.80	1286	9.8	5.9	643	6.9	4.4	426	5.4	3.5	...	18.4	20.4	22.5	24.5	27.0	29.5
2.73	4.65	12.50	1284	10.9	7.0	642	7.7	5.2	426	6.0	4.2	...	17.6	19.6	21.7	23.7	26.2	28.8
	4.90	13.20	1282	12.1	8.1	641	8.5	6.0	425	6.6	4.8	...	16.8	18.8	20.9	22.9	25.5	28.0
	5.20	14.00	1284	13.5	9.5	642	9.5	6.9	426	7.4	5.5	...	15.8	17.9	19.9	22.0	24.5	27.1

NOTES: * 5VX = single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530 not shown

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: CLASSICAL PAGES PT7-84-PT7-123	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

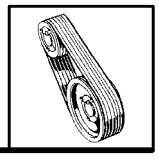
STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 1000	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
2.19	19.9	22.5	25.0	28.1	31.2	34.2	37.8	41.3	45.3	50	55	60	65	70	75	82	88	94	101	108	116	126	133	...	153
2.20	31.9	34.4	36.9	39.9	42.9	45.9	49.4	53.0	57.0	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.21	23.1	25.6	28.2	31.2	34.3	37.3	40.8	44.3	48.4	53	58	63	68	73	78	84	90	96	103	111	118	129	136	...	156
2.24	33.8	36.3	38.8	41.8	44.8	47.8	51.3	54.8	58.8	64	69	74	79	84	89	95	101	107	114	121	129	139	146	...	166
	33.1	35.6	38.2	41.2	44.2	47.2	50.7	54.2	58.2	63	68	73	78	83	88	94	100	106	113	121	128	138	146	...	166
	28.8	31.3	33.8	36.9	39.9	42.9	46.4	49.9	53.9	59	64	69	74	79	84	90	96	102	109	117	124	134	142	...	162
2.25	32.5	35.0	37.5	40.5	43.5	46.5	50.0	53.5	57.5	62	68	73	78	83	88	94	100	106	113	120	128	138	145	...	165
	...	...	...	...	22.9	26.0	29.7	33.3	37.4	43	48	53	58	63	68	74	80	86	93	100	108	118	125	...	145
2.26	29.8	32.3	34.8	37.8	40.8	43.8	47.4	50.9	54.9	60	65	70	75	80	85	91	97	103	110	117	125	135	142	...	162
	27.7	30.2	32.7	35.7	38.7	41.8	45.3	48.8	52.8	58	63	68	73	78	83	89	95	101	108	115	123	133	140	...	160
	...	...	...	...	...	...	25.2	28.9	33.1	38	43	48	54	59	64	70	76	82	89	96	104	114	121	...	141
2.27	26.5	29.0	31.5	34.6	37.6	40.6	44.1	47.6	51.7	57	62	67	72	77	82	88	94	100	107	114	122	132	139	...	159
2.29	31.5	34.0	36.5	39.5	42.5	45.5	49.0	52.6	56.6	62	67	72	77	82	87	93	99	105	112	119	127	137	144	...	164
2.30	30.7	33.2	35.7	38.7	41.7	44.7	48.2	51.7	55.8	61	66	71	76	81	86	92	98	104	111	118	126	136	143	...	163
	...	19.8	22.4	25.5	28.6	31.7	35.2	38.8	42.9	48	53	58	63	68	73	79	85	91	98	106	113	123	131	...	151
2.31	20.2	22.8	25.4	28.5	31.5	34.6	38.1	41.7	45.7	51	56	61	66	71	76	82	88	94	101	108	116	126	133	...	153
2.33	32.1	34.6	37.1	40.1	43.2	46.2	49.7	53.2	57.2	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.35	23.4	26.0	28.5	31.6	34.6	37.6	41.2	44.7	48.7	54	59	64	69	74	79	85	91	97	104	111	119	129	136	...	156
	...	...	...	...	...	...	...	...	...	31	36	42	47	52	57	63	69	75	82	120	97	107	115	...	135
2.37	33.3	35.8	38.3	41.3	44.4	47.4	50.9	54.4	58.4	63	68	73	78	83	88	94	100	106	113	121	128	138	146	...	166
	32.6	35.2	37.7	41.7	43.7	46.7	502	53.7	57.7	63	68	3	78	83	88	94	100	106	113	120	128	138	145	...	165
	20.4	23.0	25.6	28.6	31.7	34.7	38.3	41.8	45.9	51	56	61	66	71	76	82	88	94	101	109	116	125	134	...	154
2.38	...	...	...	...	23.3	26.5	30.2	33.8	37.9	43	48	53	58	63	68	74	80	86	93	101	108	118	126	...	146
2.40	29.1	31.6	34.1	37.1	40.2	43.2	46.7	50.2	54.2	59	64	69	74	79	84	90	96	102	109	117	124	134	142	...	162
	27.9	30.5	33.0	36.0	39.0	42.1	45.6	49.1	53.1	58	63	68	73	78	83	89	95	101	108	116	123	133	141	...	161
	...	...	...	...	...	...	25.8	29.5	33.6	39	44	49	54	59	64	70	76	82	89	97	105	115	122	...	142
241	26.8	29.3	31.8	34.9	37.9	40.9	44.4	48.0	52.0	57	62	67	72	77	82	88	94	100	107	115	122	132	140	...	160
2.43	30.9	33.4	35.9	38.9	41.9	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	136	144	...	164
	30.1	32.6	35.1	38.1	41.1	44.2	47.7	51.2	55.2	60	65	70	75	80	85	91	97	103	110	118	125	135	143	...	163
2.44	31.7	34.2	36.7	39.7	42.7	45.8	49.3	52.8	56.8	62	67	72	77	82	87	93	99	105	112	119	127	137	144	...	164
	...	20.1	22.8	25.9	29.0	32.1	35.6	39.2	43.3	48	53	58	76	68	73	80	86	92	99	106	114	125	131	...	151
2.46	32.3	34.8	37.3	40.3	43.3	46.4	49.9	53.4	57.4	62	67	72	77	82	87	93	99	105	112	120	127	137	145	...	165
2.49	...	...	...	...	23.7	26.8	30.5	34.1	38.2	43	48	53	59	64	69	75	81	87	94	101	109	119	126	...	146
	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
2.51	32.8	35.3	37.8	40.9	43.9	46.9	50.4	53.9	57.9	63	68	73	78	83	88	94	100	106	113	120	128	138	145	...	165
	23.8	26.3	28.9	31.9	35.0	38.0	41.5	45.1	49.1	54	59	64	69	74	79	85	91	97	104	112	119	129	137	...	157
	20.7	23.3	25.9	29.0	32.0	35.1	38.7	42.2	46.2	51	56	61	66	71	76	82	88	94	101	109	117	127	134	...	154
	...	...	...	...	...	...	...	...	...	32	37	42	47	53	58	64	70	76	83	91	98	108	116	...	136
2.53	...	...	...	...	...	...	26.2	29.9	34.1	39	44	49	55	60	65	71	77	83	90	97	105	115	123	...	143
2.56	27.1	29.6	32.1	35.2	38.2	41.2	44.7	48.3	52.3	57	62	67	72	77	82	88	94	100	107	115	122	132	140	...	160
2.57	31.9	34.4	36.9	39.9	42.9	45.9	49.5	53.0	57.0	62	67	72	77	82	87	93	99	105	112	120	127	137	115	...	165
	30.3	32.8	35.3	38.3	41.4	44.4	47.9	51.4	55.4	60	65	70	75	80	85	91	97	103	110	118	125	135	143	...	163
	29.4	31.9	34.4	37.4	40.5	43.5	47.0	50.5	54.5	59	64	70	75	80	85	91	97	103	110	117	125	135	142	...	162
	28.2	30.8	33.3	36.3	39.3	42.3	45.9	49.4	5.4	58	63	68	73	78	83	89	95	101	108	116	124	134	141	...	161
	...	20.4	23.1	26.2	29.3	32.4	36.0	39.5	43.6	49	54	58	64	67	74	80	86	92	99	106	114	124	132	...	152
2.58	31.1	33.6	36.1	39.2	42.2	45.2	48.7	52.2	56.2	61	66	71	76	81	86	92	98	104	111	119	126	136	144	154	164
	...	...	...	...	23.9	27.1	30.8	34.4	38.5	44	49	54	57	64	69	75	81	87	94	102	109	119	127	137	147
2.60	32.5	35.0	37.5	40.5	43.5	46.5	50.1	53.6	57.6	63	68	73	78	83	88	94	100	106	113	120	128	138	145	155	165
2.64	...	20.6	23.3	26.4	29.5	32.6	36.2	39.7	43.8	49	54	59	64	69	74	80	86	92	99	107	114	124	132	142	152
2.66	24.0	26.6	29.2	32.2	35.3	38.3	41.8	45.4	49.4	54	59	64	69	74	79	86	92	98	105	112	120	130	137	147	157
2.67	21.0	23.6	26.2	29.3	32.4	35.5	39.0	42.6	46.6	52	57	62	67	72	77	83	89	95	102	109	117	127	134	144	154
2.68	...	...	...	...	...	...	26.7	30.4	34.6	40	45	50	55	60	65	71	77	83	90	98	106	116	123	133	143
2.69	...	...	...	...	...	...	...	...	...	32	38	43	48	53	58	65	71	77	84	91	99	109	116	127	136
2.72	32.1	34.6	37.1	40.1	43.1	46.1	49.6	53.1	57.2	62	67	72	77	82	87	93	99	105	112	120	127	137	145	155	165
2.73	31.3	33.8	36.3	39.3	42.4	45.4	48.9	52.4	56.4	61	66	71	76	81	86	92	98	101	111	119	126	136	144	154	164
	30.5	33.0	35.5	38.6	41.6	44.6	48.1	51.6	55.6	61	66	71	76	81	86	92	98	104	111	118	126	136	143	153	163
	29.6	32.1	34.6	37.7	40.7	43.7	47.2	50.7	54.7	60	65	70	75	80	85	91	97	103	110	117	125	135	142	152	162

NOTES: Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 5VX	3500 RPM Driver HP/Belt 5V	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 5VX	1750 RPM Driver HP/Belt 5V	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 5VX	1160 RPM Driver HP/Belt 5V	Belt Number and Approx. Center Distance** 5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
2.74	5.90	16.00	1277	16.6	12.5	638	11.7	9.1	423	9.1	7.2	...	13.3	15.5	17.6	19.7	22.2	24.8
	10.30	28.00	1280	35.1	29.7	640	25.0	21.9	424	19.4	17.3	...	...	...	...	...	...	...
2.76	5.50	15.00	1268	14.8	10.8	634	10.4	7.9	420	8.1	6.2	...	14.6	16.7	18.8	20.9	23.4	26.0
2.80	8.50	23.60	1251	27.9	23.1	626	19.7	16.8	415	15.3	13.2	...	...	...	...	...	...	...
	11.30	31.50	1248	38.9	33.0	624	27.8	24.6	414	21.7	19.4	...	...	...	...	...	...	...
2.82	6.70	18.70	1242	20.2	15.9	621	14.2	11.5	412	11.0	9.1	...	...	...	...	16.5	19.1	21.7
2.85	7.50	21.20	1227	23.7	19.2	614	16.6	13.9	407	12.9	10.9	...	...	...	...	...	16.0	18.7
	13.20	37.50	1226	45.7	38.7	613	33.1	29.5	406	25.9	23.5	...	...	...	...	...	...	...
2.88	4.40	12.50	1214	9.8	5.9	607	6.9	4.4	402	5.4	3.5	...	17.8	19.8	21.9	23.9	26.4	28.9
	4.65	13.20	1216	11.0	7.0	608	7.7	5.2	403	6.0	4.2	...	16.9	19.0	21.1	23.1	25.6	28.3
2.89	9.75	28.00	1211	33.0	27.8	605	23.4	20.4	401	18.1	16.0	...	...	...	...	...	...	...
2.90	4.90	14.00	1209	12.1	8.2	604	8.5	6.0	401	6.6	4.8	...	16.0	18.1	20.1	22.2	24.7	27.3
2.91	10.90	31.50	1204	37.4	31.7	602	26.7	23.5	399	20.7	18.6	...	...	...	...	...	...	...
2.92	5.20	15.00	1198	13.5	9.5	599	9.5	6.9	397	7.4	5.5	...	14.8	16.9	19.0	21.1	23.6	26.2
2.94	5.50	16.00	1189	14.8	10.8	594	10.4	7.9	394	8.1	6.2	...	13.6	15.7	17.9	19.9	22.5	25.1
2.97	8.00	23.60	1177	25.8	21.2	588	18.2	15.4	390	14.1	12.1	...	...	...	...	...	...	...
3.00	6.30	18.70	1167	18.4	14.3	583	12.9	10.3	387	10.0	8.1	...	...	...	14.6	16.7	19.4	22.0
3.01	7.10	21.20	1161	21.9	17.6	581	15.4	12.7	385	12.0	10.0	...	...	...	...	...	16.3	19.0
3.02	12.50	37.50	1160	43.3	36.7	580	31.2	27.7	385	24.3	22.0	...	...	...	...	...	...	...
3.05	4.40	13.20	1149	9.8	5.9	574	6.9	4.4	381	5.4	3.6	...	17.1	19.2	21.2	23.3	25.8	28.3
	4.65	14.00	1146	10.9	7.0	573	7.7	5.2	380	6.0	4.2	...	16.2	18.3	20.3	22.4	24.9	27.5
	9.25	28.00	1148	31.0	26.0	574	21.9	19.0	380	17.0	14.9	...	...	...	...	...	...	...
3.08	10.30	31.50	1137	35.1	29.7	568	25.0	21.9	377	19.4	17.3	...	...	...	...	...	...	...
	ARC-LENGTH CORRECTION FACTOR ▶											...	.82	.84	.86	.87	.88	.90
3.10	4.90	15.00	1128	12.1	8.2	564	8.5	6.0	374	6.6	4.8	...	15.0	17.1	19.2	21.3	23.8	26.4
3.12	5.20	16.00	1123	13.5	9.50	561	9.5	6.9	372	7.4	5.5	...	13.8	15.9	18.1	20.1	22.7	25.3
3.13	9.00	28.00	1116	30.0	25.0	558	21.2	18.3	370	16.4	14.4	...	...	...	...	...	...	...
3.14	16.00	50.00	1115	...	...	558	40.5	36.2	370	31.9	29.1	...	...	...	...	...	...	...
3.18	7.50	23.60	1102	23.7	19.2	551	16.6	13.9	365	12.9	10.9	...	...	...	...	...	...	...
3.20	11.80	37.50	1095	40.8	34.6	547	29.3	25.9	363	22.8	20.5	...	...	...	...	...	...	...
	6.70	21.20	1095	20.2	15.9	547	14.2	11.5	363	11.0	9.1	...	...	...	...	...	16.5	19.2
3.21	5.90	18.70	1091	16.6	12.6	546	11.7	9.1	362	9.1	7.2	...	...	...	14.8	17.0	19.6	22.3
3.23	4.40	14.00	1083	9.8	5.9	541	6.9	4.4	359	5.4	3.6	...	16.4	18.4	20.5	22.5	25.1	27.6
3.25	9.75	31.50	1076	33.0	27.8	538	23.4	20.4	356	18.2	16.1	...	...	...	...	...	...	...
3.27	4.65	15.00	1069	10.9	7.0	534	7.7	5.2	354	6.0	4.2	...	15.2	17.3	19.4	21.5	24.0	26.6
3.31	4.90	16.00	1057	12.1	8.2	528	8.5	6.0	350	6.6	4.8	...	14.0	16.1	18.2	20.3	22.9	25.5
3.32	8.50	28.00	1054	27.9	23.2	527	19.7	16.9	349	15.3	13.2	...	...	...	...	...	...	...
3.34	11.30	37.50	1048	39.0	33.0	524	27.8	24.6	347	21.7	19.5	...	...	...	...	...	...	...
3.35	15.00	50.00	1045	...	...	523	37.9	33.9	346	29.8	27.2	...	...	...	...	...	.....	...
3.36	7.10	23.60	1043	22.0	17.6	521	15.4	12.7	346	12.0	10.0	...	...	...	...	...	...	...
3.40	6.30	21.20	1028	18.4	14.3	514	13.0	10.3	341	10.0	8.1	...	...	...	...	...	16.8	19.5
3.43	9.25	31.50	1020	31.0	26.0	510	21.9	19.0	338	17.0	14.9	...	...	...	...	...	...	...
3.44	5.50	18.70	1016	14.8	10.8	508	10.4	7.9	337	8.1	6.2	...	...	...	15.1	17.2	19.9	22.5
3.46	10.90	37.50	1011	37.5	31.7	505	26.7	23.5	335	20.8	18.6	...	...	...	...	...	...	...
	ARC-LENGTH CORRECTION FACTOR ▶											0.79	0.81	0.83	0.85	0.86	0.87	0.89
3.47	4.40	15.00	1010	9.8	5.9	505	6.9	4.4	335	5.4	3.6	...	...	...	19.6	21.6	24.2	26.7
3.49	4.65	16.00	1002	10.9	7.0	501	7.7	5.2	332	6.0	4.2	...	...	...	18.4	20.5	23.1	25.7
3.53	8.00	28.00	991	25.8	21.2	496	18.2	15.4	328	14.1	12.1	...	...	...	...	...	...	...
	9.00	31.50	992	30.0	25.0	496	21.2	18.2	329	16.4	14.4	...	...	...	...	...	...	...
3.56	6.70	23.60	983	20.2	16.0	491	14.2	11.5	326	11.0	9.1	...	...	...	...	...	...	...
3.59	14.00	50.00	975	48.4	40.8	487	35.3	31.5	323	27.6	25.1	...	...	...	...	...	...	...
3.64	5.90	21.20	962	16.7	12.6	481	11.7	9.1	319	9.1	7.2	...	...	...	...	...	17.0	19.7
3.65	5.20	18.70	960	13.5	9.5	480	9.5	6.9	318	7.4	5.5	...	...	...	15.2	17.4	20.1	22.7
3.67	10.30	37.50	955	35.5	29.7	477	25.0	21.9	316	19.4	17.3	...	...	...	...	...	...	...
3.70	4.40	16.00	947	9.8	5.9	473	6.93	4.4	314	5.4	3.56	...	...	...	18.6	20.7	23.3	25.8
	ARC-LENGTH CORRECTION FACTOR ▶											...	...	...	0.81	0.83	0.85	0.87

NOTES: * 5VX = single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530, 5VX560 & 5VX600 not shown

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: CLASSICAL PAGES PT7-84-PT7-123	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

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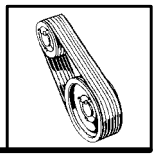


5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

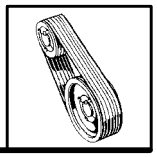
STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
2.74	27.3	29.9	32.4	35.4	38.5	41.5	45.0	48.5	52.6	58	63	68	73	78	83	89	95	101	108	115	123	133	140	150	160
	...	...	...	...	24.3	27.5	31.2	34.8	38.9	44	49	54	59	64	69	75	81	87	95	102	110	120	127	137	147
2.76	28.5	31.0	33.6	36.6	39.6	42.6	46.2	49.7	53.7	59	64	69	74	79	84	90	96	102	109	116	124	134	141	151	161
2.80	18.2	20.9	23.6	26.7	29.8	32.9	36.5	40.1	44.1	49	54	59	64	69	74	80	86	92	99	107	115	125	132	142	152
	...	...	...	...	...	...	27.0	30.7	34.9	40	45	50	55	60	66	72	78	84	91	98	106	116	123	134	144
2.82	24.3	26.9	29.4	32.5	35.5	38.6	42.1	45.7	49.7	55	60	65	70	75	80	86	92	98	105	112	120	130	137	147	157
2.85	21.4	24.0	26.6	29.7	32.7	35.8	39.4	42.9	47.0	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
	...	...	...	...	...	...	...	...	...	33	38	44	49	54	59	65	71	77	84	92	99	110	117	127	137
2.88	31.5	34.0	36.5	39.5	42.5	45.5	49.1	52.6	56.6	62	67	72	77	82	87	93	99	105	112	119	127	137	144	154	164
	30.7	33.2	35.7	38.8	41.8	44.8	48.3	51.8	55.8	61	66	71	76	81	86	92	98	104	111	118	126	136	143	153	163
2.89	...	...	...	21.4	24.7	27.9	31.5	35.2	39.3	44	50	55	60	65	70	76	82	88	95	102	110	120	128	138	148
2.90	29.8	32.3	34.9	37.9	40.9	43.9	47.4	51.0	55.0	60	65	70	75	80	85	91	97	103	110	118	125	135	143	153	163
2.91	...	...	...	...	...	...	27.3	31.0	35.2	40	46	51	56	61	66	72	78	84	91	99	106	116	124	134	144
2.92	28.7	31.3	33.8	36.8	39.8	42.9	46.4	49.9	53.9	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
2.94	27.6	30.2	32.7	35.7	38.8	41.8	45.3	48.8	52.9	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
2.97	18.5	21.3	23.9	27.1	30.2	33.3	36.9	40.4	44.5	50	55	60	65	70	75	81	87	93	100	107	115	125	132	142	152
3.00	24.6	27.2	29.7	32.8	35.8	38.9	42.4	46.0	50.0	55	60	65	70	75	80	86	92	98	105	113	120	130	138	148	158
3.01	21.6	24.2	26.8	29.9	33.0	36.1	39.6	43.2	47.2	52	57	62	67	72	77	83	90	96	103	110	118	128	135	145	155
3.02	...	...	...	...	...	...	...	...	27.9	33	39	44	49	54	59	66	72	78	85	92	100	110	118	128	138
3.05	30.9	33.4	35.9	38.9	41.9	45.0	48.5	52.0	56.0	61	66	71	76	81	86	92	98	104	111	119	126	136	144	154	164
	30.0	32.5	35.0	38.1	41.1	44.1	47.6	51.1	55.2	60	65	70	75	80	85	91	97	103	110	118	125	135	143	143	163
	...	...	...	21.7	25.0	28.2	31.9	35.5	39.6	45	50	55	60	65	70	76	82	88	95	103	110	120	128	138	148
3.08	...	...	...	...	...	23.8	27.6	31.4	35.6	41	46	51	56	61	66	72	78	85	92	99	107	117	124	134	144
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.10	28.9	31.5	34.0	37.0	40.1	43.1	46.6	50.1	54.1	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
3.12	27.8	30.4	32.9	36.0	39.0	42.0	45.5	49.1	53.1	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
3.13	...	...	...	21.9	25.2	28.4	32.0	35.7	39.8	45	50	55	60	65	70	76	82	88	95	103	110	121	128	138	148
3.14	...	...	...	...	...	...	...	...	...	...	...	...	...	40	45	51	58	64	71	79	87	97	104	114	125
3.18	18.9	21.6	24.3	27.4	30.5	33.6	37.2	40.8	44.9	50	55	60	65	70	75	81	87	93	100	108	115	125	133	143	153
3.20	21.9	24.5	27.1	30.2	33.3	36.4	...	...	28.4	34	39	44	50	55	60	66	72	78	85	110	100	128	118	128	138
	...	...	...	...	...	...	39.9	43.5	47.5	53	58	63	68	73	78	84	90	96	103	93	118	111	135	145	155
3.21	24.9	27.4	30.0	33.1	36.1	39.2	42.7	46.2	50.3	55	60	65	70	75	80	86	92	98	105	113	121	131	138	148	158
3.23	30.2	32.7	35.2	38.3	41.6	44.3	47.8	51.3	55.3	60	65	70	75	80	85	91	97	103	110	118	125	135	143	153	163
3.25	...	...	...	...	...	24.2	28.0	31.7	36.0	41	46	51	57	62	67	73	79	85	92	100	107	117	125	135	145
3.27	29.1	31.7	34.2	37.2	41.2	43.3	46.8	50.3	54.3	59	64	69	74	79	84	90	96	102	109	117	124	134	142	152	162
3.31	28.0	30.6	33.1	36.2	39.2	42.2	45.7	49.3	53.3	58	63	68	73	78	83	89	95	101	108	116	123	133	141	151	161
3.32	...	...	...	22.2	25.5	28.7	32.4	36.0	40.1	45	50	55	60	66	71	77	83	89	96	103	111	121	128	139	148
3.34	...	...	...	...	...	...	...	...	28.7	34	40	45	50	55	60	66	73	79	86	93	101	111	118	129	139
3.35	...	...	...	...	...	...	...	...	...	...	...	...	...	40	46	52	58	65	72	80	87	97	105	115	125
3.36	19.1	21.8	24.5	27.7	30.8	33.9	37.5	41.1	45.1	50	55	60	65	70	75	81	88	94	101	108	116	126	133	143	153
3.40	22.2	24.8	27.4	30.5	33.6	36.7	40.2	43.8	47.8	53	58	63	68	73	78	84	90	96	103	11	118	128	136	146	156
3.43	...	...	...	...	...	24.5	28.3	32.1	36.3	41	47	52	57	62	67	73	79	85	92	100	107	117	125	135	145
3.44	25.1	27.7	30.3	33.3	36.4	39.5	43.0	46.5	50.6	56	61	66	71	76	81	87	93	99	106	113	121	131	138	148	158
3.46	...	...	...	...	...	...	...	...	28.9	34	40	45	50	55	61	67	73	79	86	94	101	111	119	129	139
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.47	29.3	31.8	34.4	37.4	40.4	43.4	47	50	54	59	64	70	75	80	85	91	97	103	110		125		142		162
3.49	28.2	30.8	33.3	36.3	39.4	42.4	46	49	53	58	63	68	74	79	84	90	96	102	109		124		141		161
3.53	...	...	333	22.5	25.8	29.0	33	36	40	46	51	56	61	66	71	77	83	89	96		111		129		149
	...	...	333	...	...	24.6	28	32	36	42	47	52	57	62	67	73	79	85	92		108		125		145
3.56	19.4	22.1	24.8	27.9	31.1	34.2	38	41	45	50	56	61	66	71	76	82	88	94	110		116		133		153
3.59	...	...	...	...	...	...	...	...	...	...	...	...	35	41	46	53	59	65	72		88		106		126
3.64	22.4	25.1	27.7	30.8	33.9	36.9	40	44	48	53	58	63	68	73	78	84	90	96	103		118		136		156
3.65	25.3	27.9	30.5	33.6	36.6	39.7	43	47	51	56	61	66	71	76	81	87	93	99	106		121		139		159
3.67	...	...	...	...	...	...	...	...	29	35	40	45	51	56	61	67	73	79	86		101		119		139
3.70	28.4	30.9	33.5	36.5	39.6	42.6	46	50	54	59	64	69	74	79	84	90	96	102	109		124		141		161
	.91	.92	.93	.94	.95	.96	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16

NOTES: Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

SHEAVES	BELTS	SELECTION: CLASSICAL	ENGINEERING/TECHNICAL
PAGES PT7–2-PT7–27	PAGES PT7–28-PT7–41	PAGES PT7–84-PT7–123	PAGES PT7–123-PT7–128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

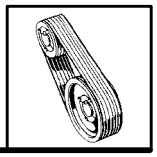
STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves Diameter Driver	Stock Sheaves Diameter Driven	3500 RPM Driver Driven RPM	3500 RPM Driver HP/Belt 5VX	3500 RPM Driver HP/Belt 5V	1750 RPM Driver Driven RPM	1750 RPM Driver HP/Belt 5VX	1750 RPM Driver HP/Belt 5V	1160 RPM Driver Driven RPM	1160 RPM Driver HP/Belt 5VX	1160 RPM Driver HP/Belt 5V	Belt Number and Approx. Center Distance 5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
											ARC-LENGTH CORRECTION FACTOR ▶	...	...	...	0.81	0.83	0.85	0.87
3.74	8.50	31.50	936	27.9	23.2	468	19.7	16.9	310	15.3	13.2	...	...	...	...	...	...	...
3.77	7.50	28.00	928	23.7	19.2	464	16.7	13.9	308	12.9	11.0	...	...	...	...	...	...	...
3.79	6.30	23.60	923	18.4	14.3	462	13.0	10.3	306	10.1	8.1	...	...	...	...	...	...	16.8
3.81	13.20	50.00	919	45.8	38.7	459	33.1	29.5	305	25.9	23.5	...	...	...	...	...	...	...
3.87	4.90	18.70	903	12.1	8.2	452	8.5	6.0	299	6.6	4.8	...	.....	...	15.4	1.76	20.3	22.9
3.88	9.75	37.50	903	33.0	27.8	452	23.4	20.4	299	18.2	16.1	...	...	...	...	...	...	...
3.91	5.50	21.20	896	14.9	10.8	448	10.4	7.9	297	8.1	6.2	...	...	...	...	...	1.73	20.0
3.97	8.00	31.50	881	25.8	21.2	440	18.2	15.4	292	14.1	12.1	...	...	...	...	...	...	...
3.99	7.10	28.00	878	22.0	17.6	439	15.4	12.8	291	12.0	10.0	...	...	...	...	...	...	...
4.02	12.50	50.00	870	43.3	36.7	435	31.2	27.8	288	24.4	22.0	...	...	...	...	...	...	...
											ARC-LENGTH CORRECTION FACTOR ▶	...	...	...	0.77	0.79	0.81	0.83
4.05	5.90	23.60	864	16.7	12.6	432	11.7	9.1	286	9.1	7.2	...	...	...	...	...	...	17.0
4.09	4.65	18.70	856	10.9	7.1	428	7.7	5.2	284	6.0	4.2	...	...	...	15.6	17.8	20.5	23.1
	9.25	37.50	856	31.0	26.0	428	21.9	19.0	284	17.0	14.9	...	...	...	...	...	...	...
4.14	5.20	21.20	846	13.5	9.5	423	9.5	7.0	280	7.4	5.5	...	...	...	...	...	17.4	20.2
4.20	9.00	37.50	833	30.0	25.1	416	21.2	18.3	276	16.4	14.4	...	...	...	...	...	...	...
4.23	6.70	28.00	828	20.2	16.0	414	14.2	11.6	274	11.0	9.1	...	...	...	...	...	...	...
4.24	7.50	31.50	825	23.7	19.2	412	16.7	13.9	273	12.9	11.0	...	...	...	...	...	...	...
4.26	11.80	50.00	821	40.8	34.6	410	29.3	26.0	272	22.8	20.5	...	...	...	...	...	...	...
4.33	4.40	18.70	809	9.8	5.9	405	6.9	4.4	201	5.4	3.6	...	...	...	15.7	17.9	20.6	23.3
4.35	5.50	23.60	804	14.9	10.8	402	10.4	7.9	267	8.1	6.2	...	...	...	...	...	...	17.3
											ARC-LENGTH CORRECTION FACTOR ▶	...	...	...	0.76	0.78	0.80	0.83
4.40	4.90	21.20	796	12.1	8.2	398	8.5	6.0	264	6.6	4.8	...	...	...	...	14.8	17.6	20.4
4.45	8.50	37.50	786	27.9	23.2	393	19.7	16.9	261	15.3	13.2	...	...	...	...	...	...	...
4.46	11.30	50.00	786	39.0	33.1	393	27.9	24.6	260	21.7	19.5	...	...	...	...	...	...	...
4.49	7.10	31.50	780	22.0	17.6	390	15.4	12.8	259	12.0	10.0	...	...	...	...	...	...	...
4.50	6.30	28.00	778	18.4	14.3	389	13.0	10.3	258	10.1	8.1	...	...	...	...	...	...	...
4.61	5.20	23.60	760	13.5	9.5	380	9.6	7.0	252	7.4	5.5	...	...	...	...	...	...	17.5
4.62	10.90	50.00	758	37.5	31.8	379	26.7	23.6	251	20.8	18.6	...	...	...	...	...	...	...
4.64	4.65	21.20	755	11.0	7.1	377	7.7	5.2	250	6.0	4.2	...	...	...	...	14.9	17.8	20.5
4.73	8.00	37.50	739	25.8	21.2	370	18.2	15.4	245	14.1	12.1	...	...	...	...	...	...	...
4.76	6.70	31.50	736	20.2	16.0	368	14.2	11.6	244	11.0	9.1	...	...	...	...	...	...	...
											ARC-LENGTH CORRECTION FACTOR ▶	...	...	...	0.73	0.76	0.78	0.80
4.81	5.90	28.0	728	16.7	12.6	364	11.7	9.1	241	9.1	7.2	...	...	...	...	...	...	...
4.89	10.30	50.0	715	35.2	29.7	358	25.0	21.9	237	19.4	17.3	...	...	...	...	...	...	...
4.90	4.90	23.60	715	12.1	8.2	357	8.5	6.0	237	6.7	4.8	...	...	...	...	...	...	1.77
4.91	4.40	21.20	713	9.8	5.9	357	6.9	4.4	236	5.4	3.6	...	...	...	...	15.1	17.9	20.7
5.05	7.50	37.50	693	23.7	19.2	346	16.7	13.9	230	12.9	11.0	...	...	...	...	...	...	...
5.06	6.30	31.50	691	18.5	14.3	346	13.0	10.3	229	10.0	8.1	...	...	...	...	...	...	...
5.16	4.65	23.6 0	678	11.0	7.1	339	7.74	5.2	225	6.0	4.2	...	...	...	...	...	...	17.8
5.17	5.50	28.00	677	14.5	10.8	339	10.4	7.9	225	8.1	6.2	...	...	...	...	...	...	...
	9.75	50.00	677	33.0	27.8	338	23.4	20.4	224	18.2	16.1	...	...	...	...	..	...	...
5.34	7.10	37.50	655	22.0	17.6	328	15.4	12.8	217	12.0	10.0	...	...	...	...	...	...	...
5.41	5.90	31.5	646	16.7	12.5	323	11.7	9.1	214	9.1	7.2	...	...	...	...	...	...	...
5.45	9.25	50.00	642	31.0	26.0	321	21.9	19.0	213	17.0	15.0		...	...	...	...	...	...
5.47	4.40	23.60	640	9.8	5.9	320	6.9	4.4	212	5.4	3.6	...	...	...	...	...	...	18.0
	5.20	28.00	640	13.5	9.5	320	9.5	7.0	212	7.4	5.5	...	...	...	...	...	...	...
5.61	9.00	50.00	624	29.8	25.1	312	21.2	18.3	207	16.4	14.4	...	...	...	...	...	...	...
											ARC-LENGTH CORRECTION FACTOR ▶	...	.80	.83	.85	.87	.89	.93

NOTES: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530, 5VX560 & 5VX600 not shown

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: CLASSICAL PAGES PT7-84-PT7-123	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

DODGE®



5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
	.88	.90	.92	.93	.94	.95	.97	.96	.99	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.12	1.13	1.14	1.15	1.16
3.74	...	...	...	...	...	24.9	28.8	32.6	36.8	42	47	52	57	63	68	74	80	86	93	100	108	118	126	136	146
3.77	...	...	19.4	22.8	26.1	29.3	33.0	36.7	40.8	46	51	56	61	66	71	77	83	89	97	104	112	122	129	139	149
3.79	19.6	22.4	25.0	28.2	31.3	34.4	38.0	41.6	45.7	51	56	61	66	71	76	82	88	91	101	109	116	126	134	144	154
3.81	...	...	...	...	...	...	...	...	...	...	...	...	36	41	47	53	59	66	73	81	88	99	106	116	126
3.88	25.5	28.1	30.7	33.8	36.8	39.9	43.4	47.0	51.0	56	61	66	71	76	81	87	93	99	106	114	121	131	139	149	159
	...	...	...	...	...	...	...	...	30	35	40	46	51	56	61	67	74	80	87	94	102	112	120	130	140
3.91	22.7	25.3	27.9	31.0	34.1	37.2	40.8	44.3	48.4	53	58	63	69	74	79	85	91	97	104	111	119	129	136	146	156
3.97	...	...	...	...	21.8	25.3	29.1	32.9	37.1	42	47	53	58	63	68	74	80	86	93	101	108	118	126	136	146
3.99	...	...	19.7	23.1	26.4	29.6	33.3	37.0	41.1	46	51	56	61	67	72	78	84	90	97	104	112	122	129	150	150
4.02	...	...	...	...	...	...	...	...	...	...	...	...	36	42	47	54	60	66	73	81	89	99	10	117	127
	.85	.87	.88	.90	.92	.93	.95	.96	.97	.99	1.00	1.01	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
4.05	19.9	22.6	25.3	28.5	31.6	34.7	38.3	41.9	46.0	51	56	61	66	71	76	82	88	94	101	109	116	127	134	144	154
4.09	25.7	28.3	30.9	33.9	37.0	40.0	43.6	47.1	51.2	56	61	66	71	76	81	87	93	99	106	114	121	131	139	149	159
	...	..	...	...	...	...	...	...	30.0	35	41	46	51	56	62	68	74	80	87	95	102	112	120	130	140
4.14	22.9	25.5	28.1	31.3	34.3	37.4	41.0	44.6	49	54	59	64	69	74	79	85	91	97	104	111	119	129	136	147	157
4.20	...	...	...	...	...	...	...	25.5	30	36	41	46	51	57	62	68	74	80	87	95	102	113	120	130	140
4.23	...	...	19.9	23.3	26.6	29.9	33.6	37.2	41	46	52	57	62	67	72	78	84	90	97	105	112	122	130	140	150
4.24	...	...	...	...	22.1	25.6	29.4	33.2	37	43	48	53	58	63	68	74	80	86	94	101	109	119	126	136	146
4.26	...	...	...	...	...	...	...	...	...	...	...	...	36	42	48	54	60	67	74	82	89	100	107	117	127
4.33	25.9	28.5	31.0	34.1	37.2	40.2	43.8	47.3	51.4	56	61	66	72	77	81	88	94	100	107	114	122	132	139	149	159
4.35	20.1	22.9	25.6	28.7	31.9	35.0	38.6	42.2	46.3	51	56	61	67	72	77	83	89	95	102	109	117	127	134	144	154
	0.87	0.89	0.91	0.92	0.93	0.94	.95	.97	.98	.99	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
4.40	23.1	25.7	28.3	31.5	34.6	37.6	41.2	44.8	48.8	54	59	64	69	74	79	85	91	97	104	112	119	129	137	147	157
4.45	...	...	...	...	...	...	...	25.8	30.4	36	41	47	52	57	62	68	74	81	88	95	103	113	120	131	141
4.46	...	...	...	...	...	...	...	...	...	...	...	...	37	42	48	54	61	67	74	82	90	100	108	118	128
4.49	...	...	...	...	22.4	25.8	29.7	33.5	37.7	43	48	53	58	63	69	75	81	87	94	101	109	119	127	137	147
4.50	...	...	20.2	23.6	26.9	30.1	33.8	37.5	41.7	47	52	57	62	67	72	78	84	90	97	105	113	123	130	140	150
4.61	20.3	23.1	25.7	28.9	32.1	35.2	38.8	42.4	46.5	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
4.62	...	...	...	...	...	...	...	...	...	...	...	...	37	43	48	55	61	67	75	82	90	100	108	118	128
4.64	23.2	25.9	28.5	31.6	34.7	37.8	41.4	44.9	49.0	54	59	64	69	74	79	85	91	97	104	112	119	129	137	147	157
4.73	...	...	...	...	...	...	...	26.1	30.7	36	42	47	52	57	62	69	75	81	88	93	103	113	121	131	141
4.76	...	...	...	...	22.6	26.1	29.9	33.7	38.0	43	48	54	59	64	69	75	81	87	94	102	109	119	127	137	147
	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.91	0.93	0.96	0.97	0.98	1.00	1.01	1.02	1.036	10.4	1.06	1.07	1.08	1.09	1.10	1.12	1.13	1.14
4.81	...	...	20.4	23.8	27.1	30.4	34.1	37.8	41.9	47	52	57	62	67	73	79	85	91	98	105	113	123	130	140	150
4.89	...	...	...	...	...	...	...	...	...	...	...	...	37	43	49	55	61	68	75	83	90	101	108	119	129
4.90	20.5	23.2	25.9	29.1	32.3	35.4	39.0	42.6	46.7	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
4.91	23.4	26.0	28.7	31.8	34.9	38.0	41.6	45.1	49.2	54	59	64	69	74	79	85	91	97	105	112	120	130	137	147	157
5.05	...	...	...	...	...	...	...	26.4	31.0	37	42	47	52	58	63	69	75	81	88	96	104	114	121	131	141
5.06	...	...	...	...	22.9	26.3	30.2	34.0	38.3	44	49	54	59	64	69	75	81	87	94	102	110	120	127	137	147
5.16	20.6	23.4	26.1	29.3	32.4	35.5	39.2	42.8	46.9	52	57	62	67	72	77	83	89	95	102	110	117	127	135	145	155
5.17	...	...	20.6	24.1	27.4	30.6	34.4	38.0	42.2	47	52	58	63	68	73	79	85	91	98	106	113	123	134	141	151
	...	...	...	...	...	...	...	...	...	...	...	...	38	43	49	55	62	68	75	83	91	101	109	119	129
5.34	...	...	...	...	...	...	...	26.6	31.3	37	42	47	53	58	63	69	75	82	89	96	104	114	121	132	142
5.41	...	...	...	...	23.1	26.6	30.5	34.2	38.5	44	49	54	59	64	69	76	82	88	95	102	110	120	127	138	148
5.45	...	...	...	...	...	...	...	...	...	...	...	...	38	44	49	56	62	68	76	84	91	101	109	119	129
5.47	20.8	23.6	26.3	29.5	32.6	35.7	39.3	42.9	47.0	52	57	62	67	72	77	83	90	96	103	110	118	128	135	145	155
	...	...	20.8	24.3	27.6	30.8	34.5	38.2	42.4	48	53	58	63	68	73	79	85	91	98	106	113	123	131	141	151
5.61	...	...	...	...	...	...	...	...	...	...	...	32	38	44	49	56	62	69	76	84	91	102	109	119	130
	0.80	0.83	0.84	0.85			.93	.94	.96	.98	.99	1.00	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.06	1.11	1.09	1.13	1.12	1.15

NOTES: Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

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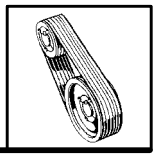

5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

Ratio	Stock Sheaves		3500 RPM Driver			1750 RPM Driver			1160 RPM Driver			Belt Number and Approx. Center Distance						
	Diameter		Driven RPM	HP/Belt		Driven RPM	HP/Belt		Driven RPM	HP/Belt		5VX 600	5VX 630	5VX 670	5VX 710	5VX 750	5VX 800	5VX 850
	Driver	Driven		5VX	5V		5VX	5V		5VX	5V							
5.67	6.70	37.50	618	20.2	16.0	309	14.2	11.6	205	11.0	9.1	...	...	...	...	...	...	...
5.81	4.90	28.00	602	12.1	8.2	301	8.5	6.0	200	6.7	4.8	...	...	...	...	...	...	...
	5.50	31.50	602	14.9	10.8	301	10.5	7.9	199	8.1	6.2	...	...	...	...	...	...	...
5.94	8.50	50.00	589	27.9	23.2	295	19.7	16.9	195	15.3	13.3	...	...	...	...	...	...	...
6.03	6.30	37.50	580	18.5	14.3	290	13.0	10.3	192	10.1	8.1	...	...	...	...	...	...	...
6.13	4.65	28.00	571	11.0	7.1	285	7.7	5.2	189	6.0	4.2	...	...	...	...	...	...	...
6.16	5.20	31.50	568	13.5	9.5	284	9.5	7.0	188	7.4	5.5	...	...	...	...	...	...	...
6.32	8.00	50.00	554	25.8	21.2	277	18.2	15.4	184	14.1	12.1	...	...	...	...	...	...	...
6.45	5.90	37.50	543	16.7	12.6	271	11.7	9.1	180	9.1	7.2	...	...	...	...	...	...	...
6.49	4.40	28.00	539	9.8	5.9	270	6.9	4.4	179	5.4	3.6	...	...	...				
6.54	4.90	31.50	535	12.1	8.2	268	8.5	6.0	177	6.7	4.8	...	...	...	...	...	...	...
6.74	7.50	50.00	519	23.7	19.3	260	16.7	14.0	172	12.9	11.0	...	...	...	...	...	...	...
6.90	4.65	31.50	507	11.0	7.1	254	7.7	5.2	168	6.0	4.2	...	...	...	...	...	...	...
6.93	5.50	37.50	505	14.9	10.7	253	10.5	7.9	167	8.1	6.2	...	...	...	...	...	...	...
7.13	7.10	50.00	491	22.0	17.6	245	15.4	12.8	163	12.0	10.0	...	...	...	...	...	...	...
ARC–LENGTH CORRECTION FACTOR												...	...	...	...	...	...	...
7.30	4.40	31.50	479	9.8	5.9	240	6.9	4.4	159	5.4	3.6	...	...	...	...	...	...	...
7.33	5.20	37.50	477	13.5	9.5	239	9.5	7.0	158	7.4	5.5	...	...	...	...	...	...	...
7.56	6.70	50.00	463	20.2	16.0	231	14.2	11.6	153	11.0	9.1	...	...	...	...	...	...	...
7.79	4.90	37.50	449	12.1	8.2	225	8.5	6.0	149	6.7	4.8	...	...	...	...	...	...	...
8.05	6.30	50.00	435	18.5	14.3	217	13.0	10.4	144	10.1	82.0	...	...	...	...	...	...	...
ARC–LENGTH CORRECTION FACTOR												...	...	...	...	...	...	...
8.22	4.65	37.50	426	11.0	7.1	213	7.7	5.2	141	6.0	4.2	...	...	...	...	...	...	...
8.60	5.90	50.00	407	16.7	12.6	203	11.7	9.1	135	9.1	7.2	...	...	...	...	...	...	...
8.70	440	37.50	402	9.8	5.9	201	6.9	4.4	133	5.4	3.6	...	...	...	...	...	...	...
9.24	5.50	50.00	379	14.9	10.9	189	10.5	7.9	126	8.1	6.2	...	...	...	...	...	...	...
9.78	5.20	50.00	358	13.5	9.5	179	9.5	7.0	119	7.4	5.5	...	...	...	...	...	...	...
10.40	4.90	50.00	337	12.1	8.2	168	8.5	6.0	112	6.7	4.8	...	...	...	...	...	...	...
10.97	4.65	50.00	319	11.0	7.1	160	7.7	5.2	106	6.0	4.2	...	...	...	...	...	...	...
11.60	4.40	50.00	302	9.8	5.9	151	6.9	4.4	100	5.4	3.6	...	...	...	...	...	...	...
ARC–LENGTH CORRECTION FACTOR												...	...	...	...	...	...	...

NOTES: * 5VX = Single and Polyband belts to 200" length
5V = Single and Polyband belts over 200" long
** Stock belt size 5VX530, 5VX560 & 5VX600 not shown

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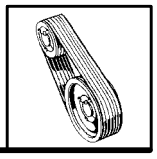

5VX D-V Wedge Single Belts to 200″ POLYBAND to 200″

5V D-V Wedge Single Belts over 200″ POLYBAND over 200″

STOCK DRIVE SELECTIONS

Ratio	Belt Number and Approx. Center Distance																								
	5VX 900	5VX 950	5VX 100	5VX 1060	5VX 1120	5VX 1180	5VX 1250	5VX 1320	5VX 1400	5VX 1500	5VX 1600	5VX 1700	5VX 1800	5VX 1900	5VX 2000	5V 2120	5V 2240	5V 2360	5V 2500	5V 2650	5V 2800	5V 3000	5V 3150	5V 3350	5V 3550
5.67	...	...	...	...	...	...	...	26.9	31.5	37	40	48	53	58	63	70	76	82	89	97	104	114	122	132	142
5.81	...	18.0	21.0	24.4	27.8	31.0	34.7	38.4	42.6	48	53	58	63	68	73	79	85	91	98	106	114	124	131	141	151
	...	...	...	...	23.3	26.8	30.7	34.5	38.8	44	49	54	60	65	70	76	82	88	95	103	110	120	128	138	148
5.94	...	...	...	...	...	...	...	...	...	...	...	32	38	44	50	56	63	69	76	84	92	102	110	120	130
6.03	...	...	...	...	...	...	...	27.1	31.8	37	43	48	53	58	64	70	76	82	89	97	104	115	122	132	142
6.13	...	18.1	21.1	24.6	27.9	31.2	34.9	38.6	42.8	48	53	58	63	68	73	79	86	92	99	106	114	124	131	141	151
6.16	...	...	...	...	23.5	27.0	30.9	34.7	39.0	44	49	55	60	65	70	76	82	88	95	103	110	120	128	138	148
8.32	...	...	...	...	...	...	...	...	...	...	...	33	39	44	50	56	63	69	76.6	84	92	102	110	120	130
6.45	...	...	...	...	...	...	...	27.4	32.0	38	43	48	54	59	64	70	76	82	89	97	105	115	122	132	142
6.49	...	18.3	21.3	24.7	28.1	31.3	35.1	38.8	42.9	48	53	58	63	68	74	80	86	92	99	106	114	124	131	142	152
6.54	...	...	...	20.0	23.7	27.2	31.1	34.9	39.2	44	50	55	60	65	70	76	82	88	95	103	111	121	128	138	148
6.74	...	...	...	...	...	...	...	...	...	...	...	33	39	45	50	57	63	70	77	85	92	103	110	120	131
6.90	...	...	...	20.2	23.8	27.3	31.2	35.1	39.3	45	50	55	60	65	70	76	83	89	96	103	111	121	127	138	149
6.93	...	...	...	...	...	...	...	27.6	32.3	38	43	49	54	59	64	70	71	83	90	97	105	115	123	133	143
7.13	...	...	...	...	...	...	...	...	...	...	...	33	39	45	51	57	64	70	77	85	93	103	111	121	131
	...	0.75	0.77	0.81	.84	0.87	0.88	0.89	0.91	0.93	0.94	0.95	0.97	0.99	1.00	4.02	1.04	1.06	10.9	1.09	1.10	1.11	1.12	1.13	1.14
7.30	...	...	...	20.3	24.0	27.5	31.4	35.2	39.5	45	50	55	60	65	71	77	83	86	96	103	111	121	129	139	149
7.33	...	...	...	...	...	...	...	27.8	32.4	38	43	49	54	59	64	71	77	83	90	98	105	115	123	133	143.1
7.56	...	...	...	...	...	...	...	...	...	...	...	33	39	45	51	57	64	70	77	85	93	103	111	121	131.2
7.79	...	...	...	...	...	...	23.6	28.0	32.6	38	44	49	54	59	65	71	77	83	90	98	105	116	123	133	143.3
8.05	...	...	...	...	...	...	...	...	...	...	...	34	40	45	51	58	64	70	78	86	93	103	111	121	131
	...	...	...	0.79	0.82	0.84	0.86	0.88	0.89	0.90	0.93	0.94	0.96	0.97	0.98	1.00	1.02	1.04	10.5	10.7	10.8	1.10	1.11	1.12	1.14
8.22	...	...	...	...	...	...	23.7	28.1	32.8	38	44	49	54	60	65	71	77	83	90	98	106	116	123	133	143
8.60	...	...	...	...	...	...	...	...	...	...	...	34	40	46	51	59	64	71	78	86	94	104	111	122	132
8.70	...	...	...	...	...	...	23.9	28.3	33.0	39	44	49	55	60	65	71	77	83	91	98	106	116	123	134	144
9.24	...	...	...	...	...	...	...	...	...	...	...	34	40	46	52	58	64	71	78	86	94	104	112	122	132
9.78	...	...	...	...	...	...	...	...	...	...	...	34	40	46	52	58	64	71	78	86	94	104	112	122	132
10.40	...	...	...	...	...	...	...	...	...	...	...	35	41	46	52	59	65	71	79	86	91	104	112	122	132
10.97	...	...	...	...	...	...	...	...	...	...	...	35	41	47	52	59	65	72	79	87	94	105	112	123	133
11.60	...	...	...	...	...	...	...	...	...	...	...	35	41	47	52	59	65	72	79	87	95	101	112	123	133
	...	...	...	...	...	...	0.84	0.86	0.87	0.88	0.90	0.92	0.94	0.95	0.96	0.98	1.00	1.02	1.04	1.05	1.07	1.09	1.11	1.12	1.14

NOTES: Arc & Length factors are approximate values
Refer to Selection Procedure for more precise calculations

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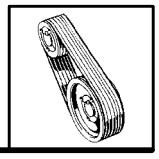

5VX 5V BASIC HORSEPOWER RATINGS▲

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:																					
	4.4	4.65	4.9	5.5	6.3	6.7	7.1		7.5		8.0		8.5		9.0		9.25		9.75		10.3	
	5VX						5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V
435	2.57	2.90	3.22	3.99	5.01	5.52	6.03	4.99	6.53	5.48	7.16	6.10	7.78	6.72	8.40	7.33	8.71	7.64	9.32	8.25	10.0	8.91
485	2.82	3.18	3.54	4.40	5.53	6.09	6.65	5.48	7.20	6.03	7.90	6.71	8.58	7.39	9.27	8.07	9.61	8.41	10.3	9.08	11.0	9.81
585	3.27	3.69	4.11	5.11	6.43	7.09	7.87	6.44	8.53	7.09	9.35	7.91	10.2	8.71	11.0	9.51	11.4	9.91	12.2	10.7	13.1	11.6
690	3.82	4.32	4.81	6.00	7.57	8.34	9.12	7.42	9.88	8.17	10.8	9.12	11.8	10.0	12.7	11.0	13.2	11.4	14.1	12.4	152	13.4
725	3.98	4.50	5.02	6.27	7.90	8.72	9.53	7.74	10.3	8.53	11.3	9.51	12.3	10.5	13.3	11.4	13.8	11.9	14.8	12.9	15.8	13.9
870	4.64	5.26	5.88	7.35	9.28	10.24	11.2	9.02	12.1	9.95	13.3	11.1	14.5	12.2	15.7	13.4	16.2	13.9	17.4	15.1	18.6	16.3
950	5.00	5.67	6.34	7.93	10.03	11.07	12.1	9.70	13.1	10.7	14.4	11.9	15.6	13.2	16.9	14.4	17.6	15.0	18.8	16.2	20.1	17.5
1160	5.90	6.71	7.51	9.42	11.93	13.17	14.4	11.4	15.6	12.6	17.1	14.1	18.6	15.5	20.1	16.9	20.9	17.7	22.3	19.0	23.9	20.6
1425	6.98	7.95	8.92	11.21	14.23	15.71	17.2	13.4	18.6	14.8	20.4	16.5	22.2	182	24.0	19.9	24.9	20.7	26.6	22.3	28.5	24.1
1750	8.23	9.40	10.55	13.30	16.89	18.66	20.4	15.6	22.1	17.2	24.3	19.2	26.3	21.1	28.4	23.0	29.4	23.9	31.4	25.8	33.6	27.7
2850	11.86	13.62	15.35	19.42	24.64	27.15	29.6	20.5	32.0	22.5	34.8	24.9	37.6	27.0	40.2	29.0	41.5	29.9	43.9	31.6	46.5	33.2
3450	13.45	15.47	17.46	22.09	27.93	30.69	33.3	21.3	35.9	23.2	38.9	25.3	41.7	27.1	44.3	28.6	45.5	29.2	47.7	30.1	49.9	30.7
100	0.71	0.79	0.87	1.07	1.33	1.45	1.58	1.36	1.71	1.48	1.87	1.64	2.02	1.80	2.18	1.96	2.26	2.04	2.42	2.19	2.59	2.36
200	1.31	1.47	1.62	2.00	2.49	2.73	2.98	2.52	3.2	2.76	3.53	3.06	3.83	3.36	4.13	3.66	4.28	3.81	4.58	4.11	4.91	4.44
300	1.86	2.09	2.32	2.87	3.59	3.95	4.31	3.60	4.6	3.96	5.11	4.40	5.55	4.83	5.99	5.27	6.21	5.49	6.64	5.92	7.12	6.39
400	2.39	2.69	2.99	3.71	4.65	5.12	5.59	4.63	6.0	5.10	6.63	5.67	7.21	6.24	7.78	6.81	8.07	7.09	8.64	7.65	9.26	8.27
500	2.90	3.27	3.64	4.52	5.68	6.26	6.83	5.63	7.4	6.19	8.12	6.90	8.82	7.59	9.53	8.29	9.88	8.64	10.6	9.33	11.3	10.1
600	3.39	3.83	4.26	5.31	6.68	7.37	8.05	6.58	8.7	7.25	9.56	8.08	10.4	8.91	112	9.72	11.6	10.1	12.5	10.9	13.4	11.8
700	3.86	4.37	4.87	6.08	7.66	8.45	9.23	7.51	10.0	8.28	11.0	9.23	11.9	10.2	12.9	11.1	13.4	11.6	14.3	12.5	15.4	13.5
800	4.33	4.90	5.47	6.83	8.62	9.51	10.4	8.41	11.3	9.27	12.4	10.3	13.4	11.4	14.5	12.5	15.1	13.0	16.1	14.0	17.3	15.2
900	4.78	5.41	6.05	7.57	9.56	10.55	11.5	9.28	12.5	10.2	13.7	11.4	14.9	12.6	16.1	13.8	16.7	14.3	17.9	15.5	19.2	16.7
1000	5.22	5.92	6.62	8.29	10.49	11.57	12.7	10.1	13.7	11.2	15.1	12.5	16.4	13.7	17.7	15.0	18.4	15.6	19.6	16.9	21.1	18.3
1100	5.65	6.41	7.18	9.00	11.39	12.58	13.7	10.9	14.9	12.1	16.4	13.5	17.8	14.9	19.2	16.2	19.9	16.9	21.3	18.3	22.9	19.7
1200	3.07	6.90	7.72	9.69	12.28	13.56	14.8	11.7	16.1	12.9	17.6	14.5	1.92	15.9	20.7	17.4	21.5	18.1	23.0	19.6	24.6	21.1
1300	6.48	7.37	8.26	10.36	13.16	14.53	15.9	12.5	17.2	13.8	18.9	15.4	20.6	17.0	22.2	18.5	23.0	19.3	24.6	20.8	26.4	22.5
1400	6.88	7.84	8.79	11.05	14.01	15.48	16.9	1.32	18.4	14.6	20.1	16.3	21.9	18.0	23.6	19.6	24.5	20.4	262	22.0	28.1	23.8
1500	7.28	8.29	9.30	11.71	14.86	16.41	17.9	13.9	19.5	15.4	21.3	17.2	23.2	18.9	25.1	20.7	25.9	21.5	27.7	23.2	29.7	25.0
1600	7.66	8.74	9.81	12.35	15.68	17.32	18.9	14.6	20.5	1.62	22.5	18.0	24.5	19.8	26.4	21.6	27.4	22.5	29.3	24.3	31.3	26.1
1700	8.04	9.18	10.31	12.99	16.50	18.22	19.9	15.3	21.6	16.9	23.7	18.8	25.7	20.7	27.7	22.6	28.7	23.5	30.7	25.3	32.8	27.2
1800	8.42	9.61	10.80	13.61	17.29	19.10	20.8	15.9	22.6	17.6	24.8	19.6	26.9	21.5	29.1	23.5	30.1	24.4	32.1	26.2	34.3	28.2
1900	8.78	10.03	11.28	14.22	18.07	19.96	21.8	16.5	23.6	1.82	25.9	20.3	28.1	22.3	30.3	24.3	31.4	25.3	33.5	27.1	35.8	29.1
2000	9.14	10.45	11.74	14.82	18.33	20.80	22.7	17.1	24.6	18.8	27.0	21.0	29.3	23.1	31.5	25.1	32.6	26.0	34.8	27.9	37.2	29.9
2100	9.48	10.85	12.20	15.41	19.58	21.62	23.6	17.6	25.6	19.4	28.0	21.6	30.4	23.7	32.7	25.8	33.9	26.8	36.1	28.7	38.5	30.7
2200	9.83	11.25	12.66	15.99	20.31	22.43	24.5	18.1	26.5	20.0	29.0	22.2	31.5	24.4	33.9	26.4	35.0	27.4	37.3	29.3	39.7	31.3
2300	10.16	11.64	13.10	16.55	21.03	23.21	25.3	18.6	27.5	20.5	30.0	22.8	32.5	24.9	35.0	27.0	36.2	28.0	36.5	29.9	30.9	31.9
2400	10.49	12.01	13.53	17.10	21.72	23.97	26.2	19.0	28.3	20.9	31.0	23.3	33.5	25.5	36.0	27.5	37.2	28.5	39.6	30.4	42.1	32.4
2500	10.81	12.39	13.95	17.64	22.40	24.72	27.0	19.4	29.2	21.4	31.9	23.7	34.5	25.9	37.0	28.0	38.3	29.0	40.7	30.9	43.2	32.7
2600	11.12	12.75	14.36	18.16	23.06	25.44	27.7	19.8	30.0	21.7	32.8	24.1	35.5	26.3	38.0	28.4	39.3	29.4	41.7	31.2	44.2	33.0
2700	11.42	13.10	14.77	18.68	23.71	26.14	28.5	20.1	30.8	22.1	33.6	24.5	36.4	26.7	39.0	28.7	40.2	29.7	42.6	31.4	45.2	33.2
2800	11.72	13.45	15.16	19.18	24.33	26.82	29.2	20.4	31.6	22.4	34.5	24.8	37.2	26.9	39.8	28.9	41.1	29.9	43.5	31.6	46.1	33.3
2900	12.00	13.78	15.54	19.66	24.94	27.48	29.9	20.6	32.3	22.6	35.2	25.0	38.0	27.2	40.6	29.1	41.9	30.0	44.4	31.6	46.9	33.2
3000	12.28	14.11	15.91	20.14	25.53	28.12	30.6	20.8	33.1	22.8	36.0	25.2	38.8	27.3	41.4	29.2	42.7	30.1	45.1	31.6	47.6	33.0
3100	12.56	14.43	16.28	20.60	26.10	28.73	31.3	21.0	33.7	23.0	36.7	25.3	39.5	27.4	42.1	29.2	43.4	30.0	45.8	31.5	48.3	32.7
3200	12.82	14.74	16.63	21.04	26.65	29.32	31.9	21.1	34.4	23.1	37.3	25.4	40.2	2.74	42.8	29.1	41.1	29.9	46.5	31.2	48.8	32.3
3300	13.08	15.04	16.97	21.47	27.17	29.88	32.5	21.2	35.0	23.2	38.0	25.4	40.8	27.3	43.4	29.0	44.7	29.7	47.1	30.9	49.4	31.8
3400	13.33	15.33	17.30	21.89	27.68	30.43	33.1	21.3	35.6	23.2	38.6	25.3	41.4	27.2	44.1	28.7	45.2	29.4	47.5	30.4	49.8	31.1
3500	13.57	15.61	17.62	22.29	28.17	30.94	33.6	21.3	36.1	23.2	39.1	25.2	41.9	27.0	44.5	28.4	45.7	28.9	47.9	29.8	50.1	30.3
3600	13.80	15.88	17.93	22.68	28.63	31.43	34.1	21.2	36.6	23.1	39.6	25.1	42.4	26.7	45.0	27.9	46.1	28.4	48.3	29.1	50.4	29.4
3700	14.02	16.14	18.23	23.05	29.07	31.90	34.6	21.1	37.1	23.0	40.1	24.8	42.8	26.3	45.3	27.4	46.5	27.8	48.5	27.3	50.5	28.3
3800	14.23	16.40	18.51	23.41	29.49	32.33	35.0	21.0	37.6	22.7	40.5	24.5	43.2	25.8	45.7	26.3	46.8	27.1	48.7	27.4	...	...
3900	14.44	16.64	18.79	23.75	29.89	32.74	35.4	20.7	38.0	22.4	40.9	24.1	43.5	25.3	45.9	26.1	47.0	26.3	48.9	26.3	...	...
4000	14.64	16.87	19.05	24.07	30.26	33.13	35.8	20.5	38.3	22.1	41.2	23.6	43.8	24.7	46.1	25.3	47.1	25.3	...	...	...	...

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.

▲ Subject to Arc and Length Corrections Factors on page PT7–47.

TOTAL RATING=rated HP + "additional HP"

† Additional HP below 1.02 ratio equals zero.

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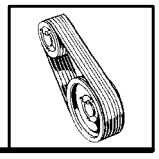


5VX 5V BASIC HORSEPOWER RATINGS▲

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:														Additional HP per Belt for Speed Ratuio of: †								
	10.9		11.8		12.5		13.2		14.0		15.0		16.0		1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and up
	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V	5VX	5V									
435	10.7	9.64	11.8	10.7	12.7	11.5	13.5	12.4	14.5	13.3	15.6	14.5	16.8	15.6	.03	.10	.17	.24	.29	.34	.38	.41	.44
485	11.8	10.6	13.1	11.8	14.0	12.7	14.9	13.6	16.0	14.6	17.3	15.9	18.6	17.2	.04	.11	.19	.26	.32	.38	.43	.46	.49
585	14.0	12.5	15.5	13.9	16.6	15.0	17.7	16.1	18.9	17.3	20.4	18.8	22.0	20.2	.05	.13	.24	.31	.39	.46	.51	.56	.59
690	16.3	14.4	17.9	16.0	19.2	17.3	20.5	18.5	21.9	19.9	23.7	21.6	25.4	23.3	.06	.16	.27	.38	.46	.54	.61	.66	.70
725	17.0	15.1	18.8	16.7	20.1	18.0	21.4	19.3	22.9	20.7	24.7	22.5	26.6	24.3	.06	.17	.29	.40	.48	.56	.63	.69	.72
870	20.0	17.6	22.0	19.5	23.6	21.0	25.1	22.5	26.9	24.1	29.0	26.2	31.1	28.1	.07	.20	.35	.46	.58	.67	.77	.83	.88
950	21.6	18.9	23.8	21.0	25.5	22.6	27.1	24.2	28.9	25.9	31.3	28.0	33.5	30.1	.08	.22	.38	.52	.63	.74	.83	.91	.96
1160	25.7	22.2	28.2	24.6	30.2	26.4	32.1	28.2	34.3	30.2	36.9	32.5	39.5	34.8	.10	.26	.47	.63	.77	.90	1.02	1.11	1.17
1425	30.5	25.9	33.5	28.6	35.7	30.6	37.9	32.6	40.4	34.7	43.4	37.2	46.2	39.5	.12	.33	.57	.78	.95	1.11	1.24	1.35	1.45
1750	35.9	29.7	39.3	32.6	41.8	34.7	44.2	36.7	46.9	38.7	50.1	41.1	53.0	43.1	.15	.40	.70	.96	1.17	1.37	1.50	1.68	1.77
2850	49.0	34.7	52.5	36.2	54.8	6.9	56.8	37.0	...	...	...	...	...	...	.24	.66	1.15	1.56	1.80	2.22	2.50	2.73	2.89
3450	52.0	30.9	...	...	...	...	...	...	...	...	...	...	...	...	.29	.80	1.39	1.90	2.20	2.69	3.03	3.30	3.50
100	2.77	2.55	3.05	2.83	3.27	3.04	3.48	3.26	3.73	3.50	4.03	3.80	4.33	4.11	.01	.02	.04	.05	.07	.08	.09	.09	.10
200	5.26	4.79	5.80	5.32	6.21	5.73	6.62	6.14	7.09	6.60	7.67	7.18	8.25	7.75	.01	.04	.08	.11	.13	.16	.17	.19	.20
300	7.64	6.91	8.42	7.68	9.02	8.27	9.62	8.86	10.3	9.54	11.1	10.37	12.0	11.2	.02	.07	.12	.16	.20	.23	.26	.29	.30
400	9.94	8.94	10.9	9.94	11.7	10.7	12.5	11.5	13.4	12.3	14.5	13.4	15.6	14.5	.03	.09	.16	.22	.26	.31	.35	.38	.40
500	12.2	10.9	13.4	12.1	14.4	13.0	15.3	14.0	16.4	15.0	17.7	16.3	19.1	17.7	.04	.11	.20	.27	.33	.39	.44	.46	.50
600	14.3	12.8	15.8	14.2	16.9	15.3	18.1	16.4	19.3	17.6	20.9	19.2	22.5	20.7	.05	.14	.24	.33	.40	.47	.53	.57	.61
700	16.5	14.6	18.2	16.2	19.5	17.5	20.7	18.7	22.2	20.1	24.0	21.8	25.8	23.6	.06	.16	.28	.38	.47	.55	.62	.67	.71
800	18.6	16.4	20.5	18.2	21.9	19.6	23.3	21.0	24.9	22.5	27.0	24.4	28.9	26.1	.07	.18	.32	.44	.53	.62	.70	.77	.81
900	20.6	18.1	22.7	20.1	24.3	21.6	25.9	23.1	27.7	24.8	29.9	26.9	32.0	28.9	.08	.21	.36	.49	.60	.70	.79	.86	.91
1000	22.6	19.7	24.9	21.9	26.6	23.5	28.3	25.2	30.3	27.0	32.7	29.2	35.0	31.3	.08	.23	.39	.55	.66	.78	.87	.95	1.01
1100	24.5	21.3	27.0	23.6	28.9	25.3	30.7	27.1	32.8	29.0	35.4	31.3	37.8	33.6	.09	.25	.44	.60	.73	.86	.96	1.05	1.11
1200	26.4	22.8	29.0	25.3	31.1	27.1	33.0	28.9	35.2	30.9	37.9	33.3	40.6	35.6	.10	.27	.48	.66	.80	.93	1.05	1.15	1.22
1300	28.3	24.2	31.1	26.8	33.2	28.7	35.3	30.6	37.6	32.7	40.4	35.2	43.2	37.5	.11	.30	.52	.71	.86	1.01	1.14	1.24	1.32
1400	30.1	25.6	33.0	28.3	35.2	30.3	37.4	32.2	39.8	34.3	42.8	36.8	45.6	39.2	.11	.32	.56	.77	.93	1.09	1.23	1.34	1.42
1500	31.8	26.9	34.9	29.6	37.2	31.7	39.5	33.6	42.0	35.8	45.0	38.3	47.9	40.6	.12	.34	.61	.82	1.00	1.18	1.32	1.44	1.52
1600	33.5	28.1	36.7	30.9	39.1	33.0	41.4	34.9	44.0	37.1	47.1	39.6	50.1	41.8	.13	.37	.64	.88	1.07	1.25	1.40	1.53	1.62
1700	35.1	29.2	38.4	32.1	40.9	34.1	43.3	36.1	46.0	38.2	49.1	40.6	52.1	42.7	.14	.39	.69	.93	1.13	1.32	1.49	1.61	1.72
1800	36.7	30.2	40.1	33.1	42.6	35.2	45.1	37.2	47.8	39.2	51.0	41.5	53.9	43.4	.15	.41	.72	.99	1.20	1.40	1.58	1.72	1.83
1900	38.2	31.2	41.7	34.0	44.3	36.1	46.8	38.0	49.5	40.0	52.7	42.1	55.6	43.9	.16	.44	.77	1.04	1.26	1.48	1.67	1.82	1.93
2000	39.6	32.0	43.2	34.8	45.8	36.9	48.3	38.7	51.1	40.6	54.2	42.5	57.1	44.0	.17	.46	.80	1.10	1.33	1.56	1.77	1.92	2.03
2100	41.0	32.7	44.6	35.5	47.3	37.5	49.8	39.2	52.5	40.9	55.6	42.7	58.3	43.8	.18	.48	.85	1.15	1.40	1.64	1.85	2.01	2.13
2200	42.3	33.4	46.0	36.1	48.6	38.0	51.1	39.6	53.8	41.1	56.8	42.5	59.4	43.4	.18	.51	.89	1.21	1.47	1.71	1.93	2.10	2.23
2300	43.6	33.9	47.2	36.5	49.9	38.3	52.4	39.7	55.0	41.1	57.8	42.1	60.3	42.6	.19	.52	.93	1.26	1.53	1.79	2.02	2.20	2.33
2400	44.7	34.3	48.4	36.8	51.0	38.4	53.5	39.7	56.0	40.8	58.7	41.5	61.0	41.4	.20	.55	.96	1.32	1.60	1.87	2.11	2.30	2.44
2500	45.8	34.6	49.5	36.9	52.1	38.4	54.4	39.5	56.8	40.3	59.4	40.5	...	...	.21	.57	1.01	1.38	1.67	1.95	2.20	2.39	2.54
2600	46.8	34.8	50.5	36.9	53.0	38.2	55.3	39.0	57.6	39.5	...	...	...	...	.22	.60	1.05	1.43	1.73	2.03	2.29	2.49	2.64
2700	47.8	34.9	51.3	36.8	53.8	37.8	56.0	38.4	58.1	38.5	...	...	...	...	.23	.62	1.09	1.48	1.80	2.11	2.37	2.59	2.74
2800	48.6	34.8	52.1	36.4	54.5	37.2	56.5	37.5	...	...	...	...	...	...	.24	.64	1.13	1.59	1.86	2.18	2.46	2.68	2.84
2900	49.4	34.6	52.8	35.9	55.0	36.4	56.9	36.4	...	...	...	...	...	...	.24	.67	1.17	1.60	1.93	2.26	2.55	2.78	2.94
3000	50.1	34.2	53.4	35.3	55.5	35.5	...	...	...	...	...	...	...	...	.25	.69	1.21	1.65	2.00	2.34	2.63	2.87	3.05
3100	50.7	33.7	53.8	34.5	...	...	...	...	...	...	...	...	...	...	.26	.72	1.25	1.70	2.07	2.42	2.72	2.97	3.15
3200	51.2	33.1	54.1	33.4	...	...	...	...	...	...	...	..	...	...	.27	.74	1.29	1.76	2.14	2.50	2.81	3.07	3.25
3300	51.6	32.3	...	...	...	...	...	...	...	...	...	...	...	...	.28	.77	1.33	1.81	2.20	2.58	2.90	3.16	3.35
3400	51.9	31.4	...	...	...	...	...	...	...	...	...	...	...	...	.29	.79	1.37	1.87	2.27	2.65	2.99	3.26	3.45
3500	52.1	30.3	...	...	...	...	...	...	...	...	...	...	...	...	.30	.81	1.41	1.92	2.33	2.73	3.08	3.35	3.55
3600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.31	.83	1.45	1.98	2.40	2.81	3.16	3.45	3.65
3700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.32	.86	1.49	2.03	2.47	2.89	3.25	3.54	3.76
3800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.32	.88	1.53	2.09	2.53	2.97	3.34	3.64	3.85
3900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.33	.90	1.57	2.14	2.60	3.05	3.43	3.74	3.96
4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.34	.93	1.61	2.20	2.67	3.12	3.52	3.83	4.06

Shaded areas indicate rim speeds exceeding 6500 FPM which may require higher strength sheaves.

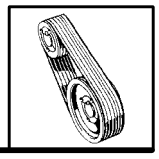
▲ Subject to Arc and Length Corrections Factors on page PT7–47.

TOTAL RATING=rated HP + "additional HP" listed on opposite page.

† Additional HP below 1.02 ratio equals zero.

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®



5VF BASIC HORSEPOWER RATINGS▲
Aramide Cord Belt

SEE CAUTION BELOW

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:														Additional HP per Belt for Speed Ratio of:†				
	7.1	8.0	8.5	9.0	9.75	10.3	10.9	11.3	11.8	12.5	13.2	14.0	15.0	16.0	1.02 to 1.20	1.21 to 1.50	1.51 to 2.19	2.20 to 3.32	3.33 and up
200	3.55	4.42	4.91	5.39	6.11	6.63	7.2	7.58	8.05	8.71	9.36	10.1	11.0	11.9	.10	.24	.33	.37	.38
300	5.01	6.29	6.99	7.69	8.74	9.5	10.3	10.9	11.5	12.5	13.5	14.5	15.9	17.2	.15	.36	.50	.55	.57
400	6.39	8.05	8.97	9.88	11.2	12.2	13.3	14.0	14.9	16.1	17.4	18.8	20.5	22.2	.19	.47	.66	.74	.76
500	7.71	9.74	10.9	12.0	13.6	14.8	16.2	17.0	18.1	19.6	21.1	22.8	24.9	27.0	.24	.59	.83	.92	.94
600	8.96	11.4	12.7	14.0	15.9	17.4	18.9	19.9	21.2	23.0	24.8	26.7	29.2	31.7	.29	.71	.99	1.11	1.13
700	10.2	12.9	14.4	15.9	18.2	19.8	21.6	22.8	24.2	26.3	28.3	30.5	33.3	36.1	.34	.83	1.16	1.29	1.32
800	11.3	14.4	16.1	17.8	20.4	22.2	24.2	25.5	27.1	29.4	31.6	34.2	37.3	40.4	.39	.95	1.32	1.48	1.51
900	12.4	15.9	17.8	19.7	22.5	24.5	26.7	28.2	29.9	32.4	34.9	37.7	41.1	44.5	.44	1.07	1.49	1.66	1.70
1000	13.5	17.3	19.4	21.5	24.5	26.7	29.1	30.7	32.7	35.4	38.0	41.1	44.8	48.4	.49	1.18	1.65	1.85	1.89
1100	14.6	18.7	20.9	23.2	26.5	28.9	31.5	33.2	35.3	38.2	41.1	44.3	48.2	52.1	.53	1.30	1.82	2.03	2.08
1200	15.6	20.0	22.4	24.8	28.4	30.9	33.7	35.5	37.8	40.9	43.9	47.4	51.5	55.6	.58	1.42	1.99	2.22	2.27
1300	16.6	21.3	23.9	26.4	30.2	32.9	35.9	37.8	40.2	43.5	46.7	50.3	54.7	58.9	.63	1.54	2.15	2.40	2.45
1400	17.5	22.5	25.3	28.0	32.0	34.9	37.9	40.0	42.5	45.9	49.3	53.0	57.6	61.9	.68	1.66	2.32	2.59	2.64
1600	19.3	24.9	27.9	30.9	35.3	38.5	41.8	44.1	46.8	50.5	54.1	58.1	62.8	67.3	.78	1.89	2.65	2.96	3.02
1800	20.9	27.0	30.3	33.6	38.4	41.7	45.4	47.7	50.6	54.5	58.2	62.3	67.2	71.6	.88	2.13	2.98	3.32	3.40
2000	22.4	29.0	32.6	36.0	41.1	44.7	48.5	50.9	53.9	57.9	61.7	65.8	70.5	74.8	.97	2.37	3.31	3.69	3.78
2200	23.8	30.8	34.5	38.2	43.5	47.2	51.2	53.7	56.7	60.7	64.5	68.5	72.9	76.7	1.07	2.60	3.64	4.06	4.15
2400	24.9	32.4	36.3	40.1	45.6	49.4	53.4	55.9	58.9	62.8	65.5	70.2	74.1	77.3	1.17	2.84	3.97	4.43	4.53
2600	26.0	33.7	37.8	41.7	47.3	51.1	55.1	57.6	60.5	64.3	67.6	70.9	...	...	1.26	3.08	4.30	4.80	4.91
2800	26.9	34.8	39.0	43.0	48.6	52.4	56.3	58.7	61.4	64.9	67.8	...	...	...	1.36	3.31	4.63	5.17	5.29
3000	27.6	35.8	40.0	44.0	49.6	53.3	56.9	59.2	61.7	64.7	...	...	...	...	1.46	3.55	4.96	5.54	5.66
3200	28.1	36.4	40.7	44.6	50.1	53.6	57.0	59.0	61.2	...	...	...	...	...	1.56	3.79	5.30	5.91	6.04
3400	28.4	36.8	41.0	44.9	50.1	53.4	56.5	58.2	...	...	...	...	...	...	1.65	4.02	5.63	6.28	6.42
3600	28.6	36.9	41.1	44.8	49.7	52.7	...	...	...	...	...	...	...	...	1.75	4.26	5.96	6.65	6.80

8VF

SEE CAUTION BELOW

Faster Shaft RPM	Rated HP per Belt for Small Sheave O.D. of:												Additional HP per Belt for Speed Ratio of:†				
	12.5	13.2	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.2	22.4	24.8	1.02 to 1.20	1.21 to 1.50	1.51 to 2.19	2.20 to 3.32	3.33 and up
200	12.6	14.5	16.6	19.3	21.9	24.6	27.2	29.8	32.433	35.5	38.6	44.7	.59	1.43	2.00	2.24	2.29
250	15.0	17.4	20.0	23.3	26.5	29.7	33.0	36.2	39.4	43.2	46.9	54.5	.74	1.79	2.51	2.80	2.86
300	17.4	20.1	23.2	27.1	30.9	34.7	38.5	42.3	46.1	50.5	55.0	63.8	.88	2.15	3.01	3.36	3.43
350	19.6	22.7	26.3	30.7	35.2	39.6	43.9	48.3	52.6	57.7	62.8	72.9	1.03	2.51	3.51	3.91	4.00
400	21.7	25.2	29.3	34.3	39.3	44.2	49.1	54.0	58.9	64.6	70.4	81.7	1.18	2.87	4.01	4.47	4.57
450	23.7	27.7	32.2	37.7	43.2	48.7	54.2	59.6	65.0	71.4	77.7	90.2	1.33	3.23	4.51	5.03	5.15
500	25.6	30.0	34.9	41.0	47.1	53.1	59.1	65.0	70.9	77.8	84.8	98.4	1.47	3.58	5.01	5.59	5.72
600	29.3	34.4	40.1	47.3	54.4	61.4	68.4	75.3	82.2	90.2	98.2	113.9	1.77	4.30	6.01	6.71	6.86
700	32.6	38.4	45.0	51.2	61.2	69.2	77.1	84.9	92.6	101.7	110.7	128.1	2.06	5.02	7.01	7.83	8.00
800	35.6	42.1	49.5	58.6	67.6	76.5	85.2	93.8	102.3	112.3	122.1	141.1	2.36	5.73	8.02	8.95	9.15
900	38.3	45.5	53.6	63.6	73.5	83.1	92.7	102.0	111.2	121.9	132.4	152.5	2.65	6.45	9.02	10.1	10.3
1000	40.7	48.5	57.4	68.2	78.8	89.2	99.4	109.4	119.1	130.5	141.5	162.4	2.95	7.17	10.0	11.2	11.4
1100	42.9	51.3	60.7	72.3	83.6	94.7	105.5	116.0	126.2	138.0	149.4	170.7	3.24	7.89	11.0	12.3	12.6
1200	44.7	53.7	63.7	75.9	87.9	99.5	110.8	121.7	132.2	144.4	155.9	177.3	3.53	8.60	12.0	13.4	13.7
1300	46.2	55.7	66.3	79.2	91.6	103.7	115.3	126.5	137.3	149.5	161.1	181.9	3.83	9.32	13.1	14.5	14.8
1400	47.4	57.3	68.4	81.8	94.7	107.1	119.0	130.4	141.2	153.4	164.7	184.5	4.12	10.1	14.1	15.7	16.0
1500	48.3	58.6	70.1	83.9	97.1	109.8	121.8	133.2	143.9	155.8	165.7	184.9	4.42	10.7	15.0	16.8	17.1
1600	48.8	59.5	71.3	85.4	98.9	111.7	123.7	135.0	145.4	156.8	167.0	...	4.71	11.5	16.0	17.9	18.3
1700	49.0	59.0	72.0	86.4	100.0	112.8	124.7	135.7	145.6	156.3	165.5	...	5.01	12.2	17.0	19.0	19.4
1800	48.8	60.0	72.2	86.8	100.4	113.0	124.6	135.1	144.5	154.2	...	...	5.30	12.9	18.0	20.1	20.6
1900	48.2	59.5	71.9	86.5	100.0	112.4	123.5	133.4	141.9	...	...	...	5.60	13.6	19.0	21.2	21.7
2000	47.2	58.7	71.1	85.6	98.8	110.7	121.3	130.3	...	...	...	...	5.89	14.3	20.0	22.3	22.8
2100	45.8	57.3	69.7	84.0	96.8	108.1	117.9		...	...	...	...	6.19	15.0	21.0	23.5	24.0
2200	43.9	55.5	67.7	81.7	94.0	104.5	...	...	...	...	...	...	6.48	15.8	22.0	24.6	25.1

Shaded Areas indicate rim speeds exceeding 6500 FPM which require higher strength sheaves.

▲ Subject to Arc and Length Correction Factors on page PT7–47.

TOTAL RATING = Rated HP + "additional HP" from right hand column.

† Additional HP below 1.02 ratio equals zero.

CAUTION: Belt horsepower ratings may exceed design capacity of stock sheaves. Consult factory for recommendations.

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: CLASSICAL PAGES PT7–84-PT7–123	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128