PT7-88

Stock Classical Drives: Standard Motor Speeds

Step 1-Determine Service Factor. Refer to Typical Service factors, Table 7. 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 6, below, read up from design HP figure obtained in Step 2 and over from the RPM of faster shaft. This intersection indicates belt sections.

Step 4-Select the Drive. a). Using belt section from Step 3, refer to Stock Drive Selection Tables beginning on page PT7–88. **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 8.) **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 Arc Length 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 classical drive for a continuous duty 3-piston compressor, with a $2^{7}/_{16}$″ shaft, to run at about 284 RPM, driven by a 30 HP, 1160 RPM squirrel cage electric motor with a $2^{1}/_{8}$″ shaft. Desired center distance is approximately 36″.

Step 1-Service factor from Table 7 is 1.4.

Step 2-Design HP = 1.4 x 30 = 42 HP.

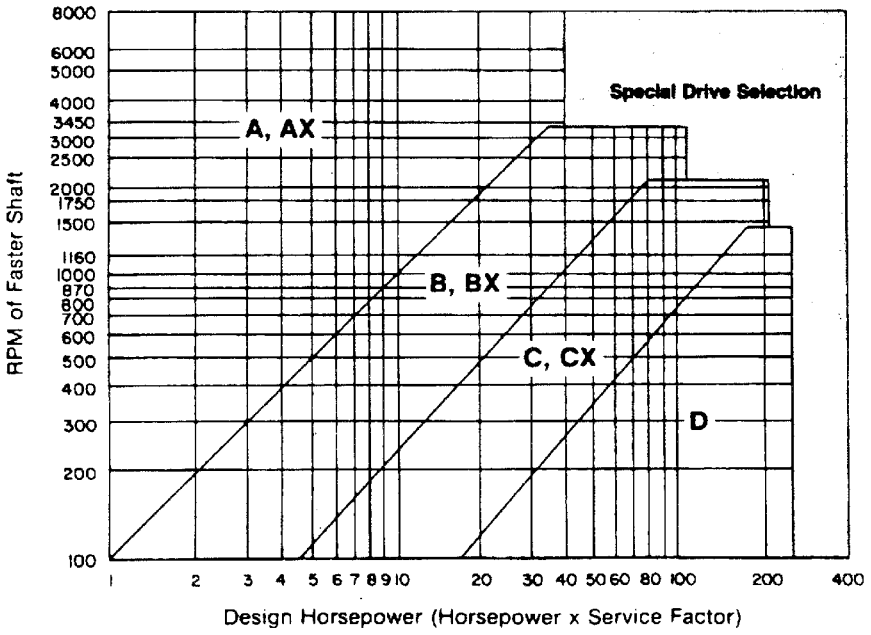
Step 3-A C-section belt is shown in Table 11 when reading to the right of 1160 RPM and up from 42 design HP.

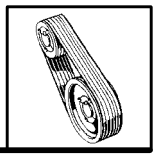
Step 4-Turn to C-Stock Drive Selection Tables beginning on page PT7–106. Under 1160 RPM Driven, read down to find 285 RPM. One selection is 284 on page PT7–110. Note HP/belt as 15.47 for all SL Classic belts and Polyband belts over 116″ and 19.34 for all Classic-Cog and Polyband under 116″. Also note sheaves listed as a 8.5 Driver, 36.0 Driven. Table 8 shows driver is not undersize. Reading to opposite page the C.D. figure of 35.9 is closest to 36″. Top of table shows belt size as C144.

The HP/belt for SL Classic is 15.47. This value x the .95 factor = 14.7 corrected HP/belt. 42 HP÷14.7 = 2.85. Going to the next whole number the drive requires 3 SL Classic belts. (Center to center operating distance is 35.9 nominal.) **Order: 1.** 3-C144 SL Classic Belts. **2.** 1-3-groove C8.5 TAPER-LOCK Sheave. **3.** 1-$2^{1}/_{8}$″ bore 2517 bushing. **4.** 1-3 groove C36.0 TAPER-LOCK Sheave. **5.** 1-$2^{7}/_{16}$″ bore 3535 bushing.

(The steps above may be used to figure a Classic-COG drive with higher HP ratings. This drive usually uses fewer grooves and will be more compact. The decision to use SL Classic, Classic-COG or POLYBAND belts involves economics, interchangeability, etc.).

Table 6 - CLASSICAL CROSS SECTION SELECTION CHART





SERVICE FACTORS

TABLE 7 - 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 10 HP 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 Hammer Mills 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 Hazard	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

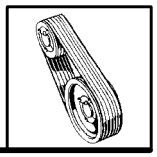
***Note:**
Intermittent:
Up to 6 Hrs/Day
Normal
6-16 Hrs/Day
Continuous:
16-24 Hrs/Day

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

TABLE 8 - MIN. RECOMMENDED CLASSICAL GROOVE SHEAVE DIAMETERS FOR DRIVES USING ELECTRIC MOTORS

Motor RPM	A, B, C, D, V-belt Sheave	Motor Horsepower																		
		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
870	Min. P.D.	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.4	6.0	6.8	6.8	8.2	9.0	10.0	10.5	12.5	...
	Max. Face Width	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3	16.8	16.8	...
1160	Min. P.D.	...	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.4	6.0	6.8	6.8	8.2	9.0	10.0	11.0	12.5
	Max. Face Width	...	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3	16.8	16.8
1750	Min. P.D.	...	...	2.2	2.4	2.4	2.4	3.0	3.0	3.8	4.4	4.6	5.0	5.4	6.0	6.8	7.4	9.0	10.0	11.5
	Max. Face Width	...	...	4.3	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	9.0	9.0	10.3	10.3	11.5	11.5	14.3	14.3
3500	Min. P.D.	...	...	...	2.2	2.4	2.4	2.6	3.0	3.0	3.8	4.4	4.4	...	...	...	...	...	...	...
	Max. Face Width	...	...	...	4.3	4.3	4.3	5.3	5.3	6.5	6.5	7.8	7.8	...	...	...	...	...	...	...

Data is per NEMA Standard MG1-14.42. In areas where sheaves are not listed, consult motor manufacturer.



Stock Classical 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 Table12.

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 6, 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 Selection 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 on to 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 HP Tables** beginning on page PT7–116, locate HP rating at intersection of RPM 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 15 HP, 2000 RPM gasoline engine, with a 1-$^5/_8$″ shaft, running a reducer on a belt conveyor. 2-$^3/_{16}$″ reducer input shaft runs at 1350 RPM. Service is intermittent. Center distance is 36″ .

Step 1-Speed Ratio $= \frac{2200}{1350} = 1.48$

Step 2-Service Factor=1.1= Design HP= 15x1.1 = 16.5

Step 3-Driver Sheave Max. Dia. $= \frac{6500}{.262 \times 2200} = 2.4$

Step 4-Belt Cross Section = Table 11 indicates A-AX.

Step 5-Turn to A, AX **Stock Drive Selection Tables** beginning on page PT7–89. Find the 1.48 Ratio obtained in the Step 1 calculations. The most economical drive shows a 4.6 Driver, 7.0 Driven Sheave. The C.D. nearest 36″ is 36.5 The correction factor below the C.D. figure is 1.07. Top of table shows a A90 belt.

Refer to **Basic HP Tables** on page PT7–116. From the 2000 RPM of the faster shaft row and down from the 4.6 small sheave:

5.44 HP/belt plus an additional HP of .45 in the 1.52 thru 1.99 ratio column. The sum = 5.89 HP/belt x 1.07 arc length correction factor = 6.3 HP/belt.

Number of belts $= \frac{16.5}{6.3} = 2.61$ or 3 belts

Order: 1-3 groove A4.6 TAPER-LOCK Sheave, 1-1$^5/_8$″ bore 1610 bushing, 1-3 groove A7.0 sheave, 1-2$^3/_{16}$″ bore 2517 bushing, 3-A90 SL Classic Belts.

Example of an "A" Speed-Up Drive

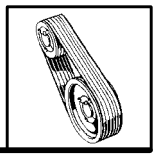
A 10 HP 1750 RPM AC motor with a 1$^3/_8$″ shaft is to drive a high speed blower @ 4000 RPM. The blower shaft is 1$^7/_{16}$″, center distance 24″ and equipment run 24 hrs./day.

1. Service Factor from Table 12 is 1.2.
2. Design HP= 10x 1.2 = 12 HP.
3. Speed Ratio $= \frac{4000}{1750} = 2.29$
4. In Stock Drive Table, under 2.29 ratio, sheaves are listed as 3.4 Driver/8.2 Driven. (In a speed-up drive the 3.4 sheave becomes the Driven, the 8.2 the Driver). The opposite page of the drive table shows the closest center distance as 24.4 with an arc length correction factor of .96. Belt shown at top of table is A66.
5. From Basic HP Tables a 3.4 sheave @ 4000 RPM = (4.38 + 1.00) = 5.20.
   5.38 x .96 = 5.16 corrected HP/belt.
6. Number of Belts $= \frac{\text{Design HP}}{\text{Corrected HP}} = \frac{12}{5.16} = 2.33$ or 3 belts.
7. **Order:** 1-3 groove A8.2 TAPER–LOCK Sheave, 1-1$^3/_8$″ bore 2517 bushing, 1-3 groove A3.4 TAPER-LOCK Sheave, 1-$^{17}/_{16}$″ bore 1610 bushing, 3-A66 SL Classic belts.

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

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

L = Belt Length In Inches
C = Center Distance
D = Datum Dia. of Large Sheave
d = Datum Dia. of Small Sheave



Belt Correction Factors

TABLE 9 - CLASSICAL BELT LENGTH CORRECTION FACTORS

Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor	Datum Length	Factor
A Belts		**A Belts (Cont.)**		**A Belts (Cont.)**		**B Belts (Cont.)**		**B Belts (Cont.)**		**C Belts (Cont.)**		**D Belts (Cont.)**	
15.3	0.68	58.3	0.96	113.3	1.11	57.8	0.90	101.8	1.03	107.9	0.94	213.3	0.96
16.3	0.69	59.3	0.97	121.3	1.13	58.8	0.90	102.8	1.03	108.9	0.94	225.8	0.99
17.3	0.71	60.3	0.97	129.3	1.14	59.8	0.91	104.8	1.04	110.9	0.94	240.8	1.00
18.3	0.72	61.3	0.98	134.3	1.14	60.8	0.91	106.8	1.04	111.9	0.94	255.8	1.01
19.3	0.73	62.3	0.98	137.3	1.15	61.8	0.92	109.8	1.04	113.9	0.94	270.8	1.03
20.3	0.74	63.3	0.98	145.3	1.17	62.8	0.92	112.8	1.05	114.9	0.95	285.8	1.04
21.3	0.75	64.3	0.98	159.3	1.19	63.8	0.92	113.8	1.05	117.9	0.95	300.8	1.05
22.3	0.76	65.3	0.99	174.3	1.21	64.8	0.92	117.8	1.06	122.9	0.97	315.8	1.06
23.3	0.77	67.3	0.99	181.3	1.22	65.8	0.93	121.8	1.07	126.9	0.97	330.8	1.07
24.3	0.78	68.3	0.99	**B Belts**		66.8	0.93	125.8	1.07	130.9	0.98	345.8	1.08
25.3	0.79	69.3	1.00	23.8	0.71	67.8	0.93	129.8	1.08	138.9	0.99	360.8	1.09
26.3	0.80	70.3	1.00	24.8	0.72	68.8	0.94	134.8	1.09	146.9	1.00	390.8	1.11
27.3	0.81	71.3	1.00	25.8	0.73	69.8	0.95	137.8	1.09	152.9	1.01	420.8	1.12
28.3	0.81	72.3	1.01	26.8	0.74	70.8	0.95	145.8	1.11	160.9	1.02	450.8	1.14
29.3	0.82	73.3	1.01	27.8	0.75	71.8	0.95	149.8	1.11	164.9	1.03	480.8	1.16
30.3	0.82	74.3	1.01	28.8	0.75	72.8	0.95	159.8	1.13	175.9	1.04	540.8	1.18
31.3	0.83	75.3	1.02	29.8	0.76	73.8	0.95	163.8	1.13	182.9	1.05	600.8	1.20
32.3	0.84	76.3	1.02	30.8	0.77	74.8	0.96	174.8	1.15	197.9	1.07	**E Belts #**	
33.3	0.84	77.3	1.02	31.8	0.77	75.8	0.96	181.8	1.16	212.9	1.08	184.5	0.91
34.3	0.85	78.3	1.02	32.8	0.78	76.8	0.97	191.8	1.16	225.9	1.10	199.5	0.92
35.3	0.86	79.3	1.03	33.8	0.79	77.8	0.97	196.8	1.18	240.9	1.11	214.5	0.94
36.3	0.87	80.3	1.03	34.8	0.79	78.8	0.97	206.8	1.19	255.9	1.12	241.0	0.96
37.3	0.87	81.3	1.04	35.8	0.80	79.8	0.97	211.8	1.19	270.9	1.14	271.0	0.99
38.3	0.87	82.3	1.04	36.8	0.81	80.8	0.97	225.3	1.21	285.9	1.15	301.0	1.01
39.3	0.88	83.3	1.04	37.8	0.81	81.8	0.97	240.3	1.22	300.9	1.16	331.0	1.03
40.3	0.89	84.3	1.04	38.8	0.82	82.8	0.98	255.3	1.24	315.9	1.18	361.0	1.05
41.3	0.89	85.3	1.05	39.8	0.83	83.8	0.98	270.3	1.25	330.9	1.19	391.0	1.07
42.3	0.90	86.3	1.05	40.8	0.83	84.8	0.98	285.3	1.26	345.9	1.20	421.0	1.09
42.3	0.90	87.3	1.05	41.8	0.83	85.8	0.99	300.3	1.27	360.9	1.21	481.0	1.12
43.3	0.91	88.3	1.05	42.8	0.84	86.8	0.99	315.3	1.29	390.9	1.23	541.0	1.14
44.3	0.91	89.3	1.06	43.8	0.85	87.8	0.99	**C Belts**		420.9	1.24	601.0	1.17
45.3	0.92	90.3	1.06	44.8	0.85	88.8	0.99	53.9	0.80	450.9	1.26	....	....
46.3	0.92	91.3	1.06	45.8	0.85	89.8	1.00	57.9	0.81	480.9	1.27	....	....
47.3	0.93	92.3	1.06	46.8	0.86	90.8	1.00	62.9	0.82	**D Belts**		....	....
48.3	0.93	93.3	1.07	47.8	0.87	91.8	1.00	70.9	0.85	108.3	0.83	....	....
49.3	0.93	94.3	1.07	48.8	0.87	92.8	1.00	73.9	0.87	115.3	0.84	....	....
50.3	0.94	95.3	1.07	49.8	0.87	93.8	1.00	77.9	0.89	123.3	0.86	....	....
51.3	0.94	96.3	1.07	50.8	0.88	94.8	1.01	83.9	0.90	131.3	0.87	....	....
52.3	0.95	97.3	1.08	51.8	0.88	95.8	1.01	87.9	0.91	147.3	0.90	....	....
53.3	0.95	98.3	1.08	52.8	0.89	96.8	1.01	92.9	0.92	161.3	0.92	....	....
54.3	0.96	99.3	1.08	53.8	0.89	97.8	1.01	98.9	0.92	165.3	0.92	....	....
55.3	0.96	101.3	1.08	54.8	0.89	98.8	1.02	99.9	0.92	176.3	0.93	....	....
56.6	0.96	106.3	1.10	55.8	0.89	99.8	1.02	101.9	0.92	183.3	0.94	....	....
57.3	0.96	111.3	1.11	56.8	0.90	100.8	1.02	103.9	0.94	198.3	0.96	....	....

E Belts recommended for replacement only, not for new drive design.

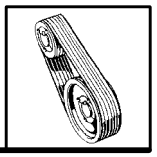
TABLE 10 - ARC CORRECTION FACTORS

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

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

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: WEDGE PAGES PT7–42-PT7–83	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128

DODGE®

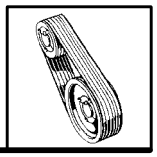


C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
	Driver	Driven	RPM	C	CX	RPM	C	CX	RPM	C	CX	CX51	CX60	CX68	CX75	CX81	CX85	CX90	CX96	CX105
1.00	7.0	7.0	1750	12.09	18.97	1160	9.69	14.22	870	7.98	11.39	16.0	20.5	24.5	28.0	31.0	33.0	35.5	38.5	43.0
1.00	7.5	7.5	1750	14.00	20.59	1160	11.17	15.48	870	9.16	12.40	15.2	19.7	23.7	27.2	30.2	32.2	34.7	37.7	42.2
1.00	8.0	8.0	1750	15.84	22.15	1160	12.62	16.71	870	10.33	13.40	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.00	8.5	8.5	1750	17.62	23.65	1160	14.05	17.93	870	11.48	14.39	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.00	9.0	9.0	1750	19.32	25.09	1160	15.45	19.11	870	12.62	15.36	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.00	9.5	9.5	1750	20.94	26.47	1160	16.82	20.28	870	13.74	16.32	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.00	10.0	10.0	1750	22.49	27.78	1160	18.17	21.42	870	14.85	17.26	11.3	15.8	19.7	23.3	26.3	28.3	30.8	33.8	38.3
1.00	10.5	10.5	1750	23.96	29.02	1160	19.49	22.54	870	15.95	18.20	---	15.0	19.0	22.5	25.5	27.5	30.0	33.0	37.5
1.00	11.0	11.0	1750	25.35	30.20	1160	20.78	23.63	870	17.03	19.12	---	14.2	18.2	21.7	24.7	26.7	29.2	32.2	36.7
1.00	12.0	12.0	1750	27.86	32.34	1160	23.27	25.74	870	19.15	20.92	---	12.6	16.6	20.1	23.1	25.1	27.6	30.6	35.1
1.00	13.0	13.0	1750	30.00	34.18	1160	25.64	27.75	870	21.21	22.66	---	---	15.0	18.5	21.5	23.5	26.0	29.0	33.5
1.00	14.0	14.0	1750	31.76	35.70	1160	27.88	29.64	870	23.20	24.36	---	---	---	17.0	20.0	22.0	24.5	27.5	32.0
1.00	16.0	16.0	1750	---	---	1160	31.96	33.10	870	27.00	27.57	---	---	---	---	16.8	18.8	21.3	24.3	28.8
1.05	10.5	11.0	1673	24.35	29.41	1109	19.74	22.79	832	16.14	18.39	---	14.6	18.6	22.1	25.1	27.1	29.6	32.6	37.1
1.05	10.0	10.5	1670	22.89	28.18	1107	18.44	21.69	830	15.05	17.45	10.9	15.4	19.4	22.9	25.9	27.9	30.4	33.4	37.9
1.05	9.5	10.0	1666	21.36	26.88	1104	17.10	20.56	828	13.95	16.53	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.05	9.0	9.5	1662	19.75	25.53	1101	15.74	19.40	826	12.83	15.58	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.06	8.5	9.0	1657	18.07	24.11	1098	14.36	18.23	824	11.71	14.61	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.06	8.0	8.5	1652	16.32	22.63	1095	12.94	17.03	821	10.57	13.64	14.0	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.06	7.5	8.0	1646	14.51	21.10	1091	11.51	15.81	818	9.41	12.65	14.8	19.3	23.3	26.8	29.8	31.8	34.3	37.3	41.8
1.07	7.0	7.5	1639	12.62	19.51	1087	10.05	14.57	815	8.24	11.65	15.6	20.1	24.1	27.6	30.6	32.6	35.1	38.1	42.6
1.07	13.0	14.0	1628	30.50	34.76	1079	26.03	28.13	810	21.50	22.95	---	---	14.2	17.7	20.7	22.7	25.3	28.3	32.8
1.08	12.0	13.0	1619	28.48	32.96	1073	23.68	26.15	805	19.46	21.23	---	---	15.8	19.3	22.3	24.3	26.8	29.8	34.3
1.09	11.0	12.0	1609	26.01	30.86	1066	21.22	24.07	800	17.36	19.45	---	13.4	17.4	20.9	23.9	25.9	28.4	31.4	35.9
1.10	10.0	11.0	1596	23.21	28.49	1058	18.65	21.90	794	15.21	17.62	---	15.0	19.0	22.5	25.5	27.5	30.0	33.0	37.5
ARC-LENGTH CORRECTION FACTOR >												0.77	0.81	0.83	0.85	0.87	0.88	0.89	0.91	0.93
1.10	9.5	10.5	1589	21.69	27.21	1054	17.32	20.77	790	14.11	16.69	11.2	15.7	19.7	23.2	26.2	28.2	30.7	33.7	38.2
1.11	9.0	10.0	1582	20.09	25.86	1048	15.96	19.63	786	13.00	15.74	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.11	8.5	9.5	1573	18.42	24.46	1043	14.58	18.46	782	11.88	14.79	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.12	8.0	9.0	1564	16.66	22.99	1037	13.18	17.27	777	10.74	13.82	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.12	16.0	18.0	1560	---	---	1034	32.53	33.67	775	27.43	28.00	---	---	---	---	---	17.2	19.7	22.7	27.2
1.13	7.5	8.5	1553	14.86	21.47	1030	11.75	16.06	772	9.59	12.84	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.14	7.0	8.0	1542	13.01	19.89	1022	10.30	14.83	766	8.43	11.84	15.2	19.7	23.7	27.2	30.2	32.2	34.7	37.7	42.2
1.14	10.5	12.0	1538	24.89	29.96	1020	20.11	23.16	765	16.41	18.66	---	13.8	17.8	21.3	24.3	26.3	28.8	31.8	36.3
1.14	14.0	16.0	1537	32.70	36.64	1019	28.51	30.26	764	23.67	24.82	---	---	---	15.4	18.4	20.4	22.9	25.9	30.4
1.15	9.5	11.0	1520	21.94	27.46	1007	17.49	20.94	756	14.24	16.81	10.8	15.3	19.3	22.8	25.8	27.8	30.3	33.3	37.9
1.16	9.0	10.5	1509	20.35	26.12	1000	16.13	19.80	750	13.13	15.87	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.16	12.0	14.0	1507	28.90	33.38	999	23.96	26.43	749	19.66	21.43	---	---	15.0	18.5	21.5	23.5	26.0	29.0	33.5
1.17	8.5	10.0	1498	18.68	24.72	993	14.76	18.63	745	12.01	14.92	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.18	11.0	13.0	1489	26.44	31.30	987	21.51	24.36	740	17.57	19.66	---	12.6	16.6	20.1	23.1	25.1	27.6	30.6	35.1
1.18	8.0	9.5	1486	16.95	23.26	984	13.36	17.45	738	10.88	13.95	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.19	7.5	9.0	1471	15.15	21.74	975	11.93	16.24	731	9.73	12.97	14.0	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.19	10.0	12.0	1468	23.65	28.94	973	18.94	22.19	730	15.43	17.84	---	14.1	18.2	21.7	24.7	26.7	29.2	32.2	36.7
1.20	7.0	8.5	1455	13.28	20.17	964	10.49	15.01	723	8.57	11.98	14.8	19.3	23.3	26.8	29.8	31.8	34.3	37.3	41.8
1.21	9.0	11.0	1443	20.65	26.32	956	16.27	19.93	717	13.23	15.97	11.2	15.7	19.7	23.2	26.2	28.2	30.7	33.7	38.2
1.22	13.0	16.0	1430	31.27	35.45	948	26.48	28.58	711	21.84	23.29	---	---	---	16.1	19.1	21.1	23.6	26.6	31.1
1.22	8.5	10.5	1429	18.89	24.92	947	14.89	18.77	710	12.11	15.02	12.0	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.23	10.5	13.0	1424	25.24	30.31	944	20.34	23.39	708	16.59	18.84	---	12.9	17.0	20.5	23.5	25.5	28.0	31.0	35.5
1.24	8.0	10.0	1413	17.15	23.48	937	13.49	17.58	703	10.98	14.05	12.8	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
1.24	16.0	20.0	1407	---	---	933	32.84	33.98	699	27.66	28.23	---	---	---	---	---	---	18.1	21.1	25.6
1.25	9.5	12.0	1397	22.29	27.82	926	17.72	21.18	695	14.41	16.99	---	14.5	18.5	22.0	25.0	27.0	29.5	32.5	37.1
1.25	7.5	9.5	1396	15.35	21.94	926	12.07	16.37	694	9.83	13.07	13.6	18.1	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.26	11.0	14.0	1385	26.73	31.58	918	21.69	24.55	689	17.72	19.80	---	---	15.8	19.3	22.3	24.3	26.8	29.8	34.3
1.27	7.0	9.0	1378	13.48	20.37	913	10.62	15.14	665	8.67	12.08	14.4	18.9	22.9	26.4	29.4	31.4	33.9	36.9	41.4
1.28	14.0	18.0	1370	33.18	37.12	908	28.82	30.58	681	23.91	25.06	---	---	---	---	16.7	18.7	21.2	24.2	28.8
1.28	8.5	11.0	1366	19.04	25.07	906	14.99	18.87	679	12.19	15.09	11.6	16.1	20.1	23.6	26.6	28.6	31.1	34.1	38.6
1.29	10.0	13.0	1358	23.93	29.22	900	19.13	22.38	675	15.57	17.98	---	13.3	17.3	20.8	23.8	25.9	28.4	31.4	35.9
1.30	8.0	10.5	1349	17.31	23.61	894	13.59	17.68	670	11.05	14.13	12.4	16.9	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.32	7.5	10.0	1329	15.50	22.09	881	12.17	16.47	661	9.91	13.15	13.2	17.7	21.7	25.2	28.2	30.2	32.7	35.7	40.2
1.32	9.0	12.0	1327	20.83	26.60	879	16.45	20.12	660	13.37	16.11	---	14.9	18.9	22.4	25.4	27.4	29.9	32.9	37.4
1.32	10.5	14.0	1325	25.47	30.54	878	20.49	23.54	659	16.70	18.95	---	---	16.1	19.6	22.6	24.7	27.2	30.2	34.7
1.32	12.0	16.0	1323	29.37	33.85	877	24.28	26.74	658	19.90	21.67	---	---	---	16.9	19.9	21.9	24.4	27.4	31.9
1.34	7.0	9.5	1308	13.63	20.52	867	10.72	15.24	650	8.74	12.15	13.9	18.5	22.5	26.0	29.0	31.0	33.5	36.5	41.0
1.35	9.5	13.0	1293	22.52	28.04	857	17.87	21.32	643	14.52	17.10	---	13.7	17.7	21.2	24.2	26.2	28.7	31.7	36.2
1.36	8.0	11.0	1289	17.42	23.73	855	13.67	17.76	641	11.11	14.19	11.9	16.5	20.5	24.0	27.0	29.0	31.5	34.5	39.0
1.37	13.0	18.0	1274	31.61	35.79	845	26.71	28.81	634	22.01	23.46	---	---	---	---	17.4	19.5	22.0	25.0	29.5
1.38	7.5	10.5	1268	15.62	22.21	841	12.24	16.65	631	9.96	13.20	12.7	17.3	21.3	24.8	27.8	29.8	32.3	35.3	39.8
ARC-LENGTH CORRECTION FACTOR >												0.75	0.79	0.82	0.84	0.86	0.87	0.89	0.90	0.92

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: WEDGE PAGES PT7-42-PT7-83	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

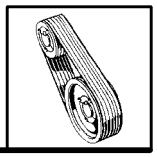
DODGE®



C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

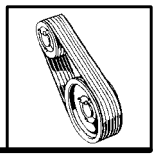
Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
1.00	46.5	50.5	54.5	58.5	62.5	69.5	71.5	77.0	80.5	88.0	95.5	109.5	124.5	139.5	154.5	169.5	184.5	199.5
1.00	45.7	49.7	53.7	57.7	61.7	68.7	70.7	76.2	79.7	87.2	94.7	108.7	123.7	138.7	153.7	168.7	183.7	198.7
1.00	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.00	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.00	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.00	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.00	41.8	45.8	49.7	53.7	57.7	64.8	66.8	72.3	75.8	83.3	90.8	104.8	119.7	134.8	149.7	164.8	179.8	194.7
1.00	41.0	45.0	49.0	53.0	57.0	64.0	66.0	71.5	75.0	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
1.00	40.2	44.2	48.2	52.2	56.2	63.2	65.2	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.00	38.6	42.6	46.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.00	37.0	41.0	45.0	49.0	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.00	35.5	39.5	43.5	47.5	51.5	58.5	60.5	66.0	69.5	77.0	84.5	98.5	113.5	128.5	143.5	158.5	173.5	188.5
1.00	32.3	35.3	40.3	44.3	48.3	55.3	57.3	62.8	66.3	73.8	81.3	95.3	110.3	125.3	140.3	155.3	170.3	185.3
1.05	40.6	44.6	48.6	52.6	56.6	63.6	65.6	71.1	74.6	82.1	89.6	103.6	118.6	133.6	148.6	163.6	178.6	193.6
1.05	41.4	45.4	49.4	53.4	57.4	64.4	66.4	71.9	75.4	82.9	90.4	104.4	119.4	134.4	149.4	164.4	179.4	194.4
1.05	42.1	48.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.05	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.06	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.06	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.06	45.3	49.3	53.3	57.3	61.3	68.3	70.3	75.8	79.3	86.8	94.3	108.3	123.3	138.3	153.3	168.3	183.3	198.3
1.07	48.1	50.1	54.1	58.1	62.1	69.1	71.1	76.6	80.1	87.6	95.1	109.1	124.1	139.1	154.1	169.1	184.1	199.1
1.07	36.3	40.3	44.3	48.3	52.3	59.3	61.3	66.8	70.3	77.8	85.3	99.3	114.3	129.3	144.3	159.3	174.3	189.3
1.08	37.8	41.8	45.8	49.8	53.8	60.8	62.8	68.3	71.8	79.3	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.09	39.4	43.4	47.4	51.4	55.4	62.4	64.4	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.10	41.0	45.0	49.0	53.0	57.0	64.0	66.0	71.5	75.0	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
	0.94	0.96	0.97	0.99	1.00	1.02	1.03	1.04	1.05	1.07	1.08	1.11	1.14	1.16	1.18	1.20	1.22	1.24
1.10	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.11	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.11	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.12	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.12	30.7	34.7	38.7	42.7	46.7	53.8	55.8	61.3	64.8	72.3	79.8	93.8	108.8	123.8	138.8	153.8	168.8	183.8
1.13	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.14	45.7	49.7	53.7	57.7	61.7	68.7	70.7	76.2	79.7	87.2	94.7	108.7	123.7	138.7	153.7	168.7	183.7	198.7
1.14	39.8	43.8	47.8	51.8	55.8	62.8	64.8	70.3	73.8	81.3	88.8	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.14	33.9	37.9	41.9	45.9	49.9	56.9	58.9	64.4	67.9	75.4	82.9	96.9	111.9	126.9	141.9	156.9	171.9	186.9
1.15	41.4	45.4	49.4	53.4	57.4	64.4	66.4	71.9	75.4	82.9	90.4	104.4	119.4	134.4	149.4	164.4	179.4	194.4
1.16	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.16	37.0	41.0	45.0	49.0	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.17	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.18	38.6	42.6	48.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.18	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.19	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.19	40.2	44.2	48.2	52.2	56.2	63.2	65.2	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.20	45.3	49.3	53.3	57.3	61.3	68.3	70.3	75.8	79.3	86.8	94.3	108.3	123.3	138.3	153.3	168.3	183.3	198.3
1.21	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.22	34.7	38.7	42.7	46.7	50.7	57.7	59.7	65.2	68.7	76.2	83.7	97.7	112.7	127.7	142.7	157.7	172.7	187.7
1.22	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.23	39.0	43.0	47.0	51.0	55.0	62.0	64.0	69.5	73.0	80.5	88.0	102.0	117.0	132.0	147.0	162.0	177.0	192.0
1.24	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.24	29.1	33.1	37.1	41.1	45.1	52.2	54.2	59.7	63.2	70.7	78.2	92.2	107.2	122.2	137.2	152.2	167.2	182.2
1.25	40.6	44.6	48.6	52.6	56.6	63.6	65.6	71.1	74.6	82.1	89.6	103.6	118.6	133.6	148.6	163.6	178.6	193.6
1.25	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.26	37.8	41.8	45.8	49.8	53.8	60.8	62.8	68.3	71.8	79.3	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.27	44.9	48.9	52.9	56.9	60.9	67.9	69.9	75.4	78.9	86.4	93.9	107.9	122.9	137.9	152.9	167.9	182.9	197.9
1.28	32.3	36.3	40.3	44.3	48.3	55.3	57.3	62.8	66.3	73.8	81.3	95.3	110.3	125.3	140.3	155.3	170.3	185.3
1.28	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.29	39.4	43.4	47.4	51.4	55.4	62.4	64.4	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.30	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.32	43.7	47.7	51.7	55.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.32	40.9	44.9	48.9	52.9	56.9	63.9	65.9	71.4	74.9	82.5	90.0	104.0	119.0	134.0	149.0	164.0	179.0	194.0
1.32	38.2	42.2	46.2	50.2	54.2	61.2	63.2	68.7	72.2	79.7	87.2	101.2	116.2	131.2	146.2	161.2	176.2	191.2
1.32	35.4	39.4	43.4	47.4	51.4	58.4	60.4	65.9	69.4	76.9	84.4	98.4	113.5	128.5	143.5	158.5	173.5	188.5
1.34	44.5	48.5	52.5	56.5	60.5	67.5	69.5	75.0	78.5	86.0	93.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5
1.35	39.7	43.8	47.8	51.8	55.8	62.8	64.8	70.3	73.8	81.3	88.8	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.36	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.37	33.0	37.0	41.0	45.0	49.1	56.1	58.1	63.6	67.1	74.6	82.1	96.1	111.1	126.1	141.1	156.1	171.1	186.1
1.38	43.3	47.3	51.3	55.3	59.3	66.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
	0.94	0.95	0.97	0.98	0.99	1.02	1.03	1.04	1.05	1.06	1.08	1.11	1.14	1.16	1.18	1.20	1.22	1.24

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: WEDGE PAGES PT7-42-PT7-83	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128



C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

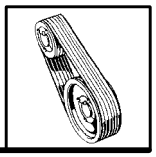
Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance							
			Driven	HP Per Belt		Driven	HP Per Belt		Driven	HP Per Belt		C51	C60	C68	C75	C81	C85	C90	C96	C105
	Driver	Driven	RPM	C	CX	RPM	C	CX	RPM	C	CX	CX51	CX60	CX68	CX75	CX81	CX85	CX90	CX96	CX105
1.38	10.0	14.0	1264	24.12	29.40	838	19.25	22.50	628	15.66	18.07	---	12.4	16.5	20.0	23.0	25.0	27.5	30.5	35.1
1.39	8.5	12.0	1256	19.26	25.29	833	15.14	19.01	624	12.29	15.20	10.7	15.3	19.3	22.8	25.8	27.8	30.3	33.3	37.8
1.41	7.0	10.0	1245	13.74	20.63	825	10.79	15.31	619	8.80	12.21	13.5	18.0	22.1	25.6	28.6	30.6	33.1	36.1	40.6
1.42	14.0	20.0	1235	33.44	37.38	819	28.99	30.75	614	24.03	25.19	---	---	---	---	---	---	19.5	22.6	27.1
1.43	9.0	13.0	1228	21.00	26.77	814	16.57	20.23	610	13.46	16.20	---	14.0	18.1	21.6	24.6	26.6	29.1	32.1	36.6
1.44	11.0	16.0	1216	27.05	31.90	806	21.91	24.76	605	17.88	19.96	---	---	14.0	17.6	20.6	22.6	25.1	28.1	32.7
1.44	7.5	11.0	1213	15.71	22.30	804	12.30	16.61	603	10.01	13.25	12.3	16.8	20.9	24.4	27.4	29.4	31.9	34.9	39.4
1.45	9.5	14.0	1203	22.67	28.19	797	17.97	21.42	598	14.60	17.17	---	12.8	16.9	20.4	23.4	25.4	27.9	30.9	35.4
1.47	7.0	10.5	1188	13.83	20.71	788	10.85	15.37	591	8.84	12.25	13.1	17.6	21.6	25.2	28.2	30.2	32.7	35.7	40.2
1.48	8.0	12.0	1185	17.59	23.90	786	13.78	17.87	589	11.19	14.27	11.1	15.6	19.6	23.2	26.2	28.2	30.7	33.7	38.2
1.48	12.0	18.0	1179	29.61	34.09	782	24.43	26.90	596	20.02	21.79	---	---	---	15.1	18.2	20.2	22.7	25.7	30.3
1.49	16.0	24.0	1176	---	---	780	33.13	34.26	585	27.88	28.45	---	---	---	---	---	---	---	---	22.2
1.50	10.5	16.0	1163	25.74	30.80	771	20.67	23.72	578	16.83	19.08	---	---	14.4	17.9	21.0	23.0	25.5	28.5	33.0
1.51	8.5	13.0	1162	19.39	25.43	770	15.23	19.10	578	12.36	15.27	---	14.4	18.4	22.0	25.0	27.0	29.5	32.5	37.0
1.52	13.0	20.0	1150	31.80	35.97	762	26.83	28.93	571	22.10	23.55	---	---	---	---	---	17.7	20.2	23.3	27.8
1.53	9.0	14.0	1142	21.12	26.89	757	16.65	20.31	568	13.51	16.25	---	13.2	17.2	20.7	23.8	25.8	28.3	31.3	35.8
1.54	7.0	11.0	1136	13.90	20.78	753	10.89	15.41	565	8.87	12.28	12.7	17.2	21.2	24.7	27.7	29.8	32.3	35.3	39.8
1.57	7.5	12.0	1115	15.83	22.42	739	12.39	16.69	554	10.07	13.31	11.4	16.0	20.0	23.5	26.5	28.6	31.1	34.1	38.6
1.58	10.0	16.0	1110	24.33	29.62	735	19.39	22.64	552	15.77	18.18	---	---	14.7	18.3	21.3	23.3	25.9	28.9	33.4
1.60	8.0	13.0	1097	17.69	24.00	727	13.85	17.94	545	11.25	14.32	---	14.8	18.8	22.3	25.3	27.4	29.9	32.9	37.4
1.61	11.0	18.0	1084	27.21	32.06	719	22.01	24.87	539	17.96	20.04	---	---	---	15.8	18.9	20.9	23.4	26.5	31.0
1.62	8.5	14.0	1082	19.48	25.52	717	15.29	19.16	538	12.41	15.31	---	13.5	17.6	21.1	24.1	26.1	28.7	31.7	36.2
1.65	12.0	20.0	1064	29.74	34.22	705	24.52	26.99	529	20.08	21.85	---	---	---	---	16.3	18.4	20.9	24.0	28.5
1.66	9.5	16.0	1056	22.83	28.36	700	18.08	21.53	525	14.68	17.26	---	---	15.1	18.6	21.7	23.7	26.2	29.3	33.8
1.67	16.0	27.0	1047	---	---	694	33.22	34.36	521	27.95	28.52	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR >												0.75	0.79	0.82	0.84	0.86	0.87	0.88	0.90	0.92
1.68	7.0	12.0	1044	13.99	20.87	692	10.95	15.48	519	8.92	12.33	11.8	16.3	20.4	23.9	26.9	28.9	31.4	34.4	39.0
1.69	10.5	18.0	1037	25.87	30.93	687	20.75	23.80	515	16.90	19.15	---	---	---	16.1	19.2	21.2	23.8	26.8	31.4
1.69	14.0	24.0	1033	33.67	37.62	685	29.15	30.91	513	24.15	25.31	---	---	---	---	---	---	---	---	23.6
1.70	7.5	13.0	1032	15.91	22.50	684	12.44	16.74	513	10.11	13.35	10.5	15.1	19.2	22.7	25.7	27.7	30.2	33.2	37.8
1.71	8.0	14.0	1021	17.76	24.07	677	13.90	17.99	507	11.28	14.35	---	13.9	17.9	21.5	24.5	26.5	29.0	32.0	36.6
1.74	9.0	16.0	1003	21.25	27.02	665	16.73	20.40	499	13.56	16.32	---	---	15.4	19.0	22.0	24.1	26.6	29.6	34.1
1.77	10.0	18.0	989	24.44	29.72	656	19.46	22.71	492	15.82	18.23	---	---	---	16.5	19.6	21.6	24.1	27.2	31.7
1.79	11.0	20.0	978	27.30	32.15	648	22.07	24.93	486	18.00	20.09	---	---	---	---	17.0	19.1	21.6	24.7	29.3
1.81	7.0	13.0	966	14.05	20.93	641	10.99	15.52	480	8.95	12.36	10.8	15.5	19.5	23.1	26.1	28.1	30.6	33.6	38.1
1.82	13.0	24.0	961	31.97	36.15	637	26.94	29.05	478	22.18	23.64	---	---	---	---	---	---	---	19.6	24.3
1.82	7.5	14.0	960	15.97	22.56	636	12.47	16.78	477	10.14	13.38	---	14.2	18.3	21.8	24.9	26.9	29.4	32.4	36.9
1.84	8.5	16.0	950	19.59	25.62	630	15.36	19.23	472	12.46	15.37	---	---	15.8	19.4	22.4	24.4	27.0	30.0	34.5
1.85	16.0	30.0	944	---	---	626	33.27	34.41	469	27.98	28.56	---	---	---	---	---	---	---	---	---
1.86	9.5	18.0	942	22.92	28.44	624	18.14	21.59	468	14.73	17.30	---	---	---	16.8	19.9	22.0	24.5	27.5	32.1
1.87	10.5	20.0	935	25.94	31.01	620	20.80	23.85	465	16.93	19.18	---	---	---	---	17.4	19.4	22.0	25.1	29.6
1.90	14.0	27.0	920	33.75	37.70	610	29.20	30.96	457	24.19	25.35	---	---	---	---	---	---	---	---	20.7
1.95	7.0	14.0	899	14.09	20.97	596	11.02	15.54	447	8.97	12.38	---	14.5	18.6	22.2	25.2	27.2	29.8	32.8	37.3
1.95	8.0	16.0	896	17.85	24.15	594	13.95	18.04	446	11.32	14.40	---	---	16.1	19.7	22.8	24.8	27.3	30.3	34.9
1.96	9.0	18.0	894	21.32	27.10	593	16.78	20.44	444	13.61	16.36	---	---	13.5	17.2	20.3	22.3	24.8	27.9	32.4
1.96	10.0	20.0	892	24.60	29.79	591	19.50	22.75	444	15.85	18.26	---	---	---	---	17.7	19.8	22.3	25.4	30.0
1.97	12.0	24.0	889	29.87	34.35	590	24.60	27.07	442	20.15	21.92	---	---	---	---	---	---	---	20.3	25.0
2.04	13.0	27.0	856	32.03	36.21	567	26.98	29.09	425	22.21	23.67	---	---	---	---	---	---	---	---	21.4
2.06	9.5	20.0	849	22.97	28.50	563	18.17	21.63	422	14.75	17.33	---	---	---	14.9	18.0	20.1	22.7	25.8	30.3
2.07	8.5	18.0	846	19.65	25.68	561	15.40	19.27	421	12.49	15.39	---	---	13.8	17.5	20.6	22.6	25.2	28.2	32.8
2.08	7.5	16.0	843	16.03	22.62	559	12.52	16.82	419	10.17	13.41	---	12.3	16.5	20.1	23.1	25.1	27.7	30.7	35.2
2.11	14.0	30.0	829	33.80	37.74	549	29.24	30.99	412	24.22	25.37	---	---	---	---	---	---	---	---	---
2.14	11.0	24.0	818	27.39	32.24	542	22.13	24.99	406	18.05	20.13	---	---	---	---	---	---	17.8	21.0	25.7
2.17	9.0	20.0	806	21.37	27.14	535	16.81	20.47	401	13.64	16.38	---	---	---	15.2	18.4	20.4	23.0	26.1	30.7
2.19	8.0	18.0	799	17.89	24.20	530	13.98	18.07	397	11.34	14.42	---	---	14.2	17.8	20.9	23.0	25.6	28.6	33.2
2.21	12.0	27.0	792	29.91	34.39	525	24.63	27.10	394	20.17	21.94	---	---	---	---	---	---	---	---	22.1
2.22	7.0	16.0	790	14.14	21.03	523	11.05	15.58	393	9.00	12.41	---	12.6	16.8	20.4	23.5	25.5	28.0	31.1	35.6
2.22	16.0	36.0	788	---	---	523	33.33	34.46	392	28.02	28.59	---	---	---	---	---	---	---	---	---
2.24	10.5	24.0	782	26.02	31.08	518	20.85	23.90	389	16.97	19.22	---	---	---	---	---	---	18.1	21.3	26.0
2.27	13.0	30.0	771	32.07	36.24	511	27.01	29.11	383	2223	23.69	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR >												0.74	0.78	0.81	0.83	0.85	0.86	0.88	0.89	0.91



C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
1.38	38.6	42.6	46.6	50.6	54.6	61.6	63.6	69.1	72.6	80.1	87.6	101.6	116.6	131.6	146.6	161.6	176.6	191.6
1.39	41.3	45.3	49.3	53.3	57.3	64.3	66.3	71.8	75.3	82.8	90.3	104.3	119.3	134.3	149.3	164.3	179.3	194.3
1.41	44.1	48.1	52.1	56.1	60.1	67.1	69.1	74.6	78.1	85.6	93.1	107.1	122.1	137.1	152.1	167.1	182.1	197.1
1.42	30.6	34.6	38.6	42.7	46.7	53.7	55.7	61.2	64.7	72.2	79.7	93.7	108.7	123.7	138.7	153.7	168.7	183.7
1.43	40.1	44.1	48.1	52.1	56.1	63.1	65.1	70.7	74.2	81.7	89.2	103.2	118.2	133.2	148.2	163.2	178.2	193.2
1.44	36.2	40.2	44.2	48.2	52.2	59.2	61.2	66.7	70.2	77.7	85.2	99.2	114.2	129.2	144.2	159.2	174.2	189.2
1.44	42.9	46.9	50.9	54.9	58.9	65.9	67.9	73.4	76.9	84.4	91.9	105.9	120.9	135.9	150.9	165.9	180.9	195.9
1.45	38.9	42.9	46.9	51.0	55.0	62.0	64.0	69.5	73.0	80.5	88.0	102.0	117.0	132.0	147.0	162.0	177.0	192.0
1.47	43.7	47.7	51.7	56.7	59.7	66.7	68.7	74.2	77.7	85.2	92.7	106.7	121.7	136.7	151.7	166.7	181.7	196.7
1.48	41.7	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.48	33.8	37.8	41.8	45.8	49.8	56.8	58.8	64.3	67.8	75.3	82.8	96.9	111.9	126.9	141.9	156.9	171.9	185.9
1.49	25.7	29.8	33.8	37.8	41.9	48.9	50.9	56.4	59.9	67.4	74.9	89.0	104.0	119.0	134.0	149.0	164.0	179.0
1.50	36.5	40.6	44.6	48.6	52.6	59.6	61.6	67.1	70.6	78.1	85.6	99.6	114.6	129.6	144.6	159.6	174.6	189.6
1.51	40.5	44.5	48.5	52.5	56.5	63.5	65.5	71.0	74.5	82.0	89.5	103.5	118.6	133.6	148.6	163.6	178.6	193.6
1.52	31.3	35.4	39.4	43.4	47.4	54.4	56.4	61.9	65.5	73.0	80.5	94.5	109.5	124.5	139.5	154.5	169.5	184.5
1.53	39.3	43.3	47.3	51.3	55.3	62.3	64.3	69.9	73.4	80.9	88.4	102.4	117.4	132.4	147.4	162.4	177.4	192.4
1.54	43.3	47.3	51.3	58.3	59.3	56.3	68.3	73.8	77.3	84.8	92.3	106.3	121.3	136.3	151.3	166.3	181.3	196.3
1.57	42.1	46.1	50.1	54.1	58.1	65.1	67.1	72.6	76.1	83.6	91.1	105.1	120.1	135.1	150.1	165.1	180.1	195.1
1.58	36.9	40.9	44.9	48.9	53.0	60.0	62.0	67.5	71.0	78.5	86.0	100.0	115.0	130.0	145.0	160.0	175.0	190.0
1.60	40.9	44.9	48.9	52.9	56.9	63.9	65.9	71.4	74.9	82.4	89.9	103.9	118.9	133.9	148.9	163.9	178.9	193.9
1.61	34.5	38.5	42.5	46.6	50.6	57.6	59.6	65.1	68.6	76.1	83.6	97.6	112.6	127.6	142.6	157.6	172.6	187.7
1.62	39.7	43.7	47.7	51.7	55.7	62.7	64.7	70.2	73.7	81.2	88.7	102.8	117.8	132.8	147.8	162.8	177.8	192.8
1.65	32.1	36.1	40.1	44.1	48.2	55.2	57.2	62.7	66.2	73.7	81.2	95.2	110.3	125.3	140.3	155.3	170.3	185.3
1.66	37.3	41.3	45.3	49.3	53.3	60.3	62.3	67.9	71.4	78.9	86.4	100.4	115.4	130.4	145.4	160.4	175.4	190.4
1.67	23.0	27.1	31.2	35.3	39.3	46.4	48.4	53.9	57.4	65.0	72.5	86.5	101.5	116.6	131.6	146.6	161.6	176.6
	0.94	0.95	0.97	0.98	0.99	1.01	1.02	1.03	1.04	1.06	1.08	1.11	1.03	1.16	1.18	1.20	1.22	1.24
1.66	42.5	46.5	50.5	54.5	58.5	65.5	67.5	73.0	76.5	84.0	91.5	105.5	120.5	135.5	150.5	165.5	180.5	195.5
1.69	34.9	38.9	42.9	46.9	50.9	58.0	60.0	65.5	69.0	76.5	84.0	98.0	113.0	128.0	143.0	158.0	173.0	188.0
1.69	27.2	31.2	35.3	39.3	43.3	50.4	52.4	57.9	61.4	68.9	76.5	90.5	105.5	120.5	135.5	150.5	165.5	180.6
1.70	41.3	45.3	49.3	53.3	57.3	64.3	66.3	71.8	75.3	82.8	90.3	104.3	119.3	134.3	149.3	164.3	179.3	194.3
1.71	40.1	44.1	48.1	52.1	56.1	63.1	65.1	70.6	74.1	81.6	89.1	103.1	118.1	133.1	148.1	163.2	178.2	193.2
1.74	37.7	41.7	45.7	49.7	53.7	60.7	62.7	68.2	71.7	79.2	86.8	100.8	115.8	130.8	145.8	160.8	175.8	190.8
1.77	35.2	39.3	43.3	47.3	51.3	58.3	60.3	65.8	69.4	76.9	84.4	98.4	113.4	128.4	143.4	158.4	173.4	188.4
1.79	32.8	36.8	40.9	44.9	48.9	55.9	57.9	63.5	67.0	74.5	82.0	96.0	111.0	126.0	141.0	156.1	171.1	186.1
1.81	41.6	45.7	49.7	53.7	57.7	64.7	66.7	72.2	75.7	83.2	90.7	104.7	119.7	134.7	149.7	164.7	179.7	194.7
1.82	27.9	31.9	36.0	40.0	44.1	51.1	53.1	58.6	62.2	69.7	77.2	91.2	106.3	121.3	136.3	151.3	166.3	181.3
1.82	40.4	44.5	48.5	52.5	56.5	63.5	65.5	71.0	74.5	82.0	89.5	103.5	118.5	133.5	148.5	163.5	178.5	193.5
1.84	38.0	42.1	46.1	50.1	54.1	61.1	63.1	58.6	72.1	79.6	87.1	101.1	116.2	131.2	146.2	161.2	176.2	191.2
1.85	---	24.3	28.5	32.6	36.7	43.8	45.8	51.4	54.9	62.4	70.0	84.0	99.1	114.1	129.2	144.2	159.2	174.2
1.86	35.6	39.6	43.7	47.7	51.7	58.7	60.7	56.2	69.7	77.2	84.8	98.8	113.8	128.8	143.8	158.8	173.8	188.8
1.87	33.2	37.2	41.2	45.3	49.3	56.3	58.3	63.8	67.3	74.9	82.4	96.4	111.4	126.4	141.4	156.4	171.4	186.4
1.90	24.4	28.5	32.6	36.7	40.7	47.8	49.8	55.4	58.9	66.4	74.0	88.0	103.1	118.1	133.1	148.1	163.1	178.1
1.95	40.8	44.8	48.8	52.8	56.9	63.9	65.9	71.4	74.9	82.4	89.9	103.9	118.9	133.9	148.9	163.9	178.9	193.9
1.95	38.4	42.4	46.4	50.5	54.5	61.5	63.5	69.0	72.5	80.0	87.5	101.5	116.5	131.5	146.6	161.6	176.6	191.6
1.96	36.0	40.0	44.0	48.0	52.1	59.1	61.1	66.6	70.1	77.6	85.1	99.2	114.2	129.2	144.2	159.2	174.2	189.2
1.96	33.5	37.6	41.6	45.6	49.6	56.7	58.7	64.2	67.7	75.2	82.7	96.8	111.8	126.8	141.8	156.8	171.8	186.8
1.97	28.6	32.6	36.7	40.7	44.8	51.8	53.9	59.4	62.9	70.4	78.0	92.0	107.0	122.0	137.1	152.1	167.1	182.1
2.04	25.1	29.2	33.3	37.4	41.5	48.5	50.6	56.1	59.6	67.2	74.7	88.8	103.8	118.8	133.9	148.9	163.9	178.9
2.06	32.9	37.9	42.0	46.0	50.0	57.1	59.1	64.6	68.1	75.6	83.1	97.2	112.2	127.2	142.2	157.2	172.2	187.2
2.07	36.3	40.4	44.4	48.4	52.4	59.5	61.5	67.0	70.5	78.0	85.5	99.5	114.5	129.6	144.6	159.6	174.6	189.6
2.06	38.8	42.8	46.8	50.8	54.8	61.9	63.9	69.4	72.9	80.4	87.9	101.9	116.9	131.9	146.9	161.9	177.0	192.0
2.11	---	25.7	29.8	34.0	38.1	45.2	47.2	52.8	56.3	63.9	71.5	85.5	100.6	115.6	130.7	145.7	160.7	175.7
2.14	29.3	33.3	37.4	41.5	45.5	52.6	54.6	60.1	63.6	71.2	78.7	92.7	107.8	122.8	137.8	152.8	167.8	182.9
2.17	34.2	38.3	42.3	46.4	50.4	57.4	59.4	65.0	68.5	76.0	83.5	97.5	112.6	127.6	142.6	157.6	172.6	187.6
2.19	36.7	40.7	44.8	48.8	52.8	59.8	61.8	67.4	70.9	78.4	85.9	99.9	114.9	129.9	145.0	160.0	175.0	190.0
2.21	25.7	29.9	34.0	38.1	42.2	49.3	51.3	56.8	60.4	67.9	75.5	89.5	104.6	119.6	134.6	149.6	164.7	179.7
2.22	39.1	43.2	47.2	51.2	55.2	62.2	64.2	69.7	73.3	80.8	88.3	102.3	117.3	132.3	147.3	162.3	177.3	192.3
2.22	---	---	---	26.8	31.0	38.3	40.4	46.0	49.6	57.3	64.9	79.0	94.1	109.2	124.2	139.3	154.3	169.3
2.24	29.6	33.7	37.8	41.8	45.9	52.9	56.0	60.5	64.0	71.5	79.1	93.1	108.2	123.2	138.2	153.2	168.2	183.2
2.27	22.1	26.3	30.5	34.7	38.8	45.9	47.9	53.5	57.1	64.6	72.2	86.3	101.3	116.4	131.4	146.4	161.5	176.5
	0.93	0.95	0.96	0.97	0.99	1.01	1.02	1.03	1.04	1.06	1.08	1.10	1.13	1.16	1.18	1.20	1.22	1.23

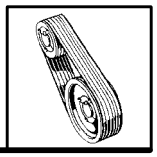
DODGE®



C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

Ratio	Stock Shv. Datum Diam.		1750 RPM Driver			1160 RPM Driver			870 RPM Driver			Belt Size/Center Distance								
	Driver	Driven	Driven RPM	HP Per Belt C	HP Per Belt CX	Driven RPM	HP Per Belt C	HP Per Belt CX	Driven RPM	HP Per Belt C	HP Per Belt CX	C51 CX51	C60 CX60	C68 CX68	C75 CX75	C81 CX81	C85 CX85	C90 CX90	C96 CX96	C105 CX105
2.29	8.5	20.0	763	19.68	25.71	506	15.42	19.29	380	12.50	15.41	---	---	---	15.5	18.7	20.8	23.4	26.5	31.0
2.33	7.5	18.0	751	16.07	22.66	498	12.54	16.85	374	10.19	13.43	---	---	14.5	18.2	21.3	23.3	25.9	29.0	33.5
2.35	10.0	24.0	746	24.56	29.85	494	19.54	22.79	371	15.88	18.29	---	---	---	---	---	---	18.4	21.6	26.3
2.40	11.0	27.0	728	27.42	32.28	483	22.16	25.01	362	18.06	20.15	---	---	---	---	---	---	---	---	22.7
2.43	8.0	20.0	721	17.92	24.23	478	14.00	18.09	358	11.36	14.43	---	---	---	15.8	19.0	21.1	23.7	26.8	31.4
2.45	12.0	30.0	714	29.94	34.42	473	24.65	27.12	355	20.18	21.95	---	---	---	---	---	---	---	---	---
2.48	9.5	24.0	710	23.03	28.55	471	18.20	21.66	353	14.78	17.35	---	---	---	---	---	---	18.8	22.0	26.7
2.49	7.0	18.0	704	14.17	21.05	467	11.07	15.60	350	9.01	12.42	---	---	14.8	18.5	21.6	23.7	26.2	29.3	33.9
2.51	10.5	27.0	696	26.05	31.11	461	20.87	23.92	346	16.99	19.23	---	---	---	---	---	---	---	---	23.0
2.53	14.0	36.0	692	33.85	37.79	459	29.27	31.03	344	24.24	25.39	---	---	---	---	---	---	---	---	---
2.58	7.5	20.0	678	16.09	22.68	449	12.56	16.86	337	10.20	13.44	---	---	---	16.2	19.4	21.5	24.1	27.1	31.7
2.60	9.0	24.0	674	21.41	27.18	447	16.84	20.50	335	13.66	16.40	---	---	---	---	---	---	19.1	22.3	27.0
2.63	10.0	27.0	664	24.59	29.87	440	19.56	22.81	330	15.89	18.31	---	---	---	---	---	---	---	---	23.4
2.67	11.0	30.0	656	27.44	32.30	435	22.17	25.02	326	18.07	20.16	---	---	---	---	---	---	---	---	---
2.71	16.0	44.0	646	---	---	428	33.36	34.49	321	28.05	28.62	---	---	---	---	---	---	---	---	---
2.72	13.0	36.0	644	32.10	36.28	427	27.03	29.14	320	22.25	23.71	---	---	---	---	---	---	---	---	---
2.74	8.5	24.0	638	19.72	25.75	423	15.44	19.32	317	12.52	15.43	---	---	---	---	---	16.6	19.4	22.6	27.3
2.76	7.0	20.0	635	14.19	21.07	421	11.09	15.61	316	9.02	12.43	---	---	---	16.5	19.7	21.8	24.4	27.5	32.1
2.77	9.5	27.0	632	23.05	28.57	419	18.22	21.67	314	14.79	17.36	---	---	---	---	---	---	---	18.8	23.7
2.79	10.5	30.0	627	26.06	31.13	416	20.88	23.93	312	16.99	19.24	---	---	---	---	---	---	---	---	---
2.90	8.0	24.0	602	17.95	24.26	399	14.02	18.11	300	11.37	14.45	---	---	---	---	---	16.9	19.7	22.9	27.7
2.91	9.0	27.0	600	21.43	27.20	398	16.85	20.51	298	13.67	16.41	---	---	---	---	---	---	---	19.1	24.0
2.92	10.0	30.0	599	24.60	29.89	397	19.57	22.82	298	15.90	18.31	---	---	---	---	---	---	---	---	20.1
2.94	12.0	36.0	596	29.97	34.45	395	24.67	27.14	296	20.20	21.97	---	---	---	---	---	---	---	---	---
3.07	9.5	30.0	570	23.06	28.58	378	18.23	21.68	283	14.79	17.37	---	---	---	---	---	---	---	---	20.4
ARC-LENGTH CORRECTION FACTOR >												**---**	**---**	**0.76**	**0.79**	**0.82**	**0.83**	**0.85**	**0.87**	**0.89**
3.08	8.5	27.0	568	19.73	25.77	377	15.45	19.33	283	12.53	15.44	---	---	---	---	---	---	---	19.4	24.3
3.08	14.0	44.0	568	33.88	37.82	376	29.29	31.05	282	24.25	25.41	---	---	---	---	---	---	---	---	---
3.09	7.5	24.0	567	16.11	22.70	376	12.57	16.88	282	10.21	13.45	---	---	---	---	---	17.2	20.0	23.3	28.0
3.19	11.0	36.0	648	27.47	32.32	363	22.18	25.04	272	18.08	20.17	---	---	---	---	---	---	---	---	---
3.23	9.0	30.0	541	21.44	27.21	359	16.86	20.52	269	13.67	16.41	---	---	---	---	---	---	---	---	20.7
3.26	8.0	27.0	536	17.96	24.27	356	14.03	18.12	267	11.38	14.45	---	---	---	---	---	---	---	19.7	24.6
3.30	7.0	24.0	531	14.21	21.09	352	11.10	15.62	264	9.03	12.44	---	---	---	---	---	17.6	20.3	23.6	28.3
3.31	13.0	44.0	528	32.13	36.30	350	27.05	29.15	263	22.26	23.72	---	---	---	---	---	---	---	---	---
3.34	10.5	36.0	524	26.08	31.15	347	20.90	23.95	261	17.00	19.25	---	---	---	---	---	---	---	---	---
3.42	8.5	30.0	512	19.74	25.77	340	15.46	19.33	255	12.53	15.44	---	---	---	---	---	---	---	---	21.0
3.47	7.5	27.0	505	16.12	22.71	334	12.58	16.88	251	10.21	13.46	---	---	---	---	---	---	---	20.0	25.0
3.50	10.0	36.0	500	24.62	29.90	331	19.58	22.83	249	15.91	18.32	---	---	---	---	---	---	---	---	---
3.58	12.0	44.0	489	29.99	34.47	324	24.68	27.15	243	20.21	21.98	---	---	---	---	---	---	---	---	---
3.62	8.0	30.0	484	17.97	24.28	321	14.04	18.12	240	11.38	14.46	---	---	---	---	---	---	---	---	21.3
3.68	9.5	36.0	476	23.07	28.60	315	18.24	21.69	237	14.80	17.38	---	---	---	---	---	---	---	---	---
3.70	7.0	27.0	473	14.22	21.10	313	11.10	15.63	235	9.04	12.44	---	---	---	---	---	---	---	20.3	25.3
3.85	7.5	30.0	455	16.13	22.72	301	12.58	16.89	226	10.22	13.46	---	---	---	---	---	---	---	---	21.6
3.87	9.0	36.0	452	21.45	27.22	300	16.87	20.53	225	13.68	16.42	---	---	---	---	---	---	---	---	---
3.89	11.0	44.0	449	27.48	32.33	298	22.19	25.05	223	18.09	20.18	---	---	---	---	---	---	---	---	---
4.07	10.5	44.0	430	26.10	31.16	285	20.91	23.95	214	17.01	19.26	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR >												**---**	**---**	**---**	**---**	**---**	**0.74**	**0.77**	**0.80**	**0.84**
4.09	8.5	36.0	428	19.75	25.79	284	15.47	19.34	213	12.54	15.45	---	---	---	---	---	---	---	---	---
4.11	7.0	30.0	426	14.22	21.11	282	11.11	15.63	212	9.04	12.45	---	---	---	---	---	---	---	---	21.9
4.27	10.0	44.0	410	24.63	29.92	272	19.59	22.84	204	15.92	18.33	---	---	---	---	---	---	---	---	---
4.33	8.0	36.0	404	17.98	24.29	268	14.04	18.13	201	11.39	14.46	---	---	---	---	---	---	---	---	---
4.48	9.5	44.0	390	23.08	28.61	259	18.24	21.70	194	14.81	17.38	---	---	---	---	---	---	---	---	---
4.61	7.5	36.0	380	16.14	22.73	252	12.59	16.90	189	10.22	13.46	---	---	---	---	---	---	---	---	---
4.72	9.0	44.0	370	21.46	27.23	246	16.87	20.53	184	13.68	16.42	---	---	---	---	---	---	---	---	---
4.92	7.0	36.0	356	14.23	21.11	236	11.11	15.64	177	9.04	12.45	---	---	---	---	---	---	---	---	---
4.99	8.5	44.0	351	19.76	25.79	233	15.47	19.35	174	12.54	15.45	---	---	---	---	---	---	---	---	---
5.29	8.0	44.0	331	17.99	24.29	219	14.05	18.13	165	11.39	14.47	---	---	---	---	---	---	---	---	---
5.62	7.5	44.0	311	16.15	22.74	206	12.59	16.90	155	10.23	13.47	---	---	---	---	---	---	---	---	---
6.00	7.0	44.0	292	14.24	21.12	193	11.12	15.64	145	9.04	12.45	---	---	---	---	---	---	---	---	---
ARC-LENGTH CORRECTION FACTOR >												**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**0.79**

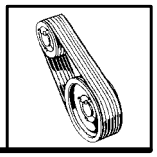
SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: WEDGE PAGES PT7-42-PT7-83	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128



C S-L CLASSIC | CX CLASSIC COG STOCK DRIVE SELECTIONS

Ratio	Belt Size/Center Distance																	
	C112 CX112	C120 CX120	C128 CX128	C136 CX136	C144 CX144	C158 CX158	C162 CX162	C173 CX173	C180 CX180	C195 CX195	C210 CX210	C240 CX240	C270 CX270	C300 CX300	C330 CX330	C360 CX360	C390 CX390	C420 CX420
2.29	34.6	38.6	42.7	46.7	50.8	57.8	59.8	65.3	68.8	76.4	83.9	97.9	112.9	127.9	143.0	158.0	173.0	188.0
2.33	37.1	41.1	45.1	49.2	53.2	60.2	62.2	67.7	71.2	78.8	86.3	100.3	115.3	130.3	145.3	160.3	175.4	190.4
2.35	29.9	34.0	38.1	42.2	46.2	53.3	55.3	60.9	64.4	71.9	79.5	93.5	108.5	123.6	138.6	153.6	168.6	183.6
2.40	26.4	30.6	34.7	38.8	42.9	50.0	52.0	57.6	61.1	68.7	76.2	90.3	105.3	120.4	135.4	150.4	165.4	180.4
2.43	35.0	39.0	43.1	47.1	51.1	58.2	60.2	65.7	69.2	76.7	84.3	98.3	113.3	128.3	143.3	158.4	173.4	188.4
2.45	22.7	27.0	31.2	35.3	39.5	46.6	48.6	54.2	57.8	65.4	72.9	87.0	102.1	117.1	132.2	147.2	162.2	177.3
2.48	30.3	34.4	38.5	42.5	46.6	53.7	55.7	61.2	64.7	72.3	79.8	93.9	108.9	123.9	139.0	154.0	169.0	184.0
2.49	37.4	41.5	45.5	49.5	53.5	60.6	62.6	68.1	71.6	79.1	86.7	100.7	115.7	130.7	145.7	160.7	175.7	190.7
2.51	26.7	30.9	35.0	39.1	43.2	50.3	52.4	57.9	61.5	69.0	76.6	90.6	105.7	120.7	135.8	150.8	165.8	180.8
2.53	---	---	---	28.0	32.3	39.7	41.8	47.4	51.0	58.7	66.3	80.4	95.6	110.7	125.7	140.8	155.8	170.8
2.58	35.3	39.4	43.4	47.5	51.5	58.5	60.5	66.1	69.6	77.1	84.6	98.7	113.7	128.7	143.7	158.7	173.8	188.8
2.60	30.6	34.7	38.8	42.9	46.9	54.0	56.0	61.6	65.1	72.7	80.2	94.2	109.3	124.3	139.3	154.4	169.4	184.4
2.63	27.1	31.2	35.4	39.5	43.6	50.7	52.7	58.3	61.8	69.4	76.9	91.0	106.1	121.1	136.1	151.2	166.2	181.2
2.67	23.3	27.6	31.8	36.0	40.1	47.3	49.4	54.9	58.5	66.1	73.7	87.8	102.8	117.9	132.9	148.0	163.0	178.0
2.71	---	---	---	---	---	30.1	32.3	38.3	42.0	49.9	57.7	72.0	87.2	102.4	117.5	132.6	147.7	162.7
2.72	---	---	---	---	28.7	33.0	40.3	42.4	48.1	51.7	59.4	67.0	81.2	96.3	111.4	126.5	141.5	156.6	171.6
2.74	31.0	35.1	39.2	43.2	47.3	54.4	56.4	62.0	65.5	73.0	80.6	94.6	109.7	124.7	139.7	154.7	169.8	184.8
2.76	35.7	39.7	43.8	47.8	51.8	58.9	60.9	66.4	70.0	77.5	85.0	99.0	114.1	129.1	144.1	159.1	174.1	189.1
2.77	27.4	31.6	35.7	39.8	43.9	51.0	53.1	58.6	62.2	69.7	77.3	91.4	106.4	121.5	136.5	151.5	166.6	181.6
2.79	23.6	28.0	32.2	36.3	40.5	47.7	49.7	55.3	58.8	66.4	74.0	88.1	103.2	118.3	133.3	148.3	163.4	178.4
2.90	31.3	35.4	39.5	43.6	47.7	54.7	56.8	62.3	65.8	73.4	80.9	95.0	110.0	125.1	140.1	155.1	170.1	185.2
2.91	27.7	31.9	36.1	40.2	44.3	51.4	53.4	59.0	62.5	70.1	77.7	91.7	106.8	121.9	136.9	151.9	166.9	182.0
2.92	24.0	28.3	32.5	36.7	40.8	48.0	50.1	55.7	59.2	66.8	74.4	88.5	103.6	118.6	133.7	148.7	163.7	178.8
2.94	---	---	24.9	29.3	33.6	41.0	43.1	48.8	52.4	60.1	67.7	81.9	97.0	112.1	127.2	142.3	157.3	172.4
3.07	24.3	28.6	32.8	37.0	41.2	48.4	50.4	56.0	59.6	67.2	74.7	88.9	103.9	119.0	134.1	149.1	164.1	179.1
	0.91	**0.93**	**0.94**	**0.95**	**0.97**	**1.00**	**1.01**	**1.02**	**1.03**	**1.05**	**1.07**	**1.10**	**1.12**	**1.15**	**1.17**	**1.19**	**1.21**	**1.23**
3.08	28.1	32.3	36.4	40.5	44.6	51.8	53.8	59.4	62.9	70.5	78.0	92.1	107.2	122.2	137.3	152.3	167.3	182.3
3.08	---	---	---	---	---	31.3	33.6	39.6	43.3	51.2	59.0	73.4	88.7	103.8	119.0	134.1	149.2	164.2
3.09	31.6	35.8	39.9	43.9	48.0	55.1	57.1	62.7	66.2	73.8	81.3	95.4	110.4	125.5	140.5	155.5	170.5	185.5
3.19	---	---	25.5	29.9	34.3	41.7	43.8	49.5	53.1	60.8	68.4	82.6	97.8	112.9	127.9	143.0	158.1	173.1
3.23	24.6	28.9	33.2	37.4	41.5	48.7	50.7	56.4	59.9	67.5	75.1	89.2	104.3	119.4	134.4	149.5	164.5	179.5
3.26	28.4	32.6	36.7	40.9	45.0	52.1	54.1	59.7	63.3	70.8	78.4	92.5	107.6	122.6	137.6	152.7	167.7	182.7
3.30	32.0	36.1	40.2	44.3	48.4	55.5	57.5	63.0	66.6	74.1	81.7	95.7	110.8	125.8	140.9	155.9	170.9	185.9
3.31	---	---	---	---	---	31.9	34.2	40.2	44.0	51.9	59.7	74.1	89.4	104.6	119.7	134.8	149.9	165.0
3.34	---	---	25.8	30.3	34.6	42.0	44.1	49.8	53.4	61.1	68.8	83.0	98.1	113.2	128.3	143.4	158.4	173.5
3.42	24.9	29.3	33.5	37.7	41.8	49.0	51.1	56.7	60.3	67.9	75.5	89.6	104.7	119.7	134.8	149.8	164.9	179.9
3.47	28.7	32.9	37.1	41.2	45.3	52.5	54.5	60.1	63.6	71.2	78.8	92.9	107.9	123.0	138.0	153.1	168.1	183.1
3.50	---	---	26.1	30.6	34.9	42.3	44.4	50.2	53.8	61.5	69.1	83.3	98.5	113.6	128.7	143.8	158.8	173.9
3.58	---	---	---	---	---	32.6	34.8	40.9	44.6	52.6	60.4	74.8	90.1	105.3	120.4	135.5	150.6	165.7
3.62	25.2	29.6	33.8	38.0	42.2	49.4	51.4	57.1	60.6	68.2	75.8	89.9	105.0	120.1	135.2	150.2	165.3	180.3
3.68	---	---	26.4	30.9	35.2	42.7	44.8	50.5	54.1	61.8	69.5	83.7	98.8	114.0	129.1	144.1	159.2	174.2
3.70	29.0	33.3	37.4	41.6	45.7	52.8	54.8	60.4	64.0	71.6	79.1	93.2	108.3	123.4	138.4	153.4	168.5	183.5
3.85	25.5	29.9	34.2	38.4	42.5	49.7	51.8	57.4	61.0	68.6	76.2	90.3	105.4	120.5	135.5	150.6	165.6	180.7
3.87	---	---	26.7	31.2	35.6	43.0	45.1	50.8	54.5	62.2	69.8	84.0	99.2	114.3	129.4	144.5	159.6	174.6
3.89	---	---	---	---	---	33.2	35.4	41.5	45.3	53.2	61.0	75.5	90.8	106.0	121.2	136.3	151.4	166.5
4.07	---	---	---	---	---	33.5	35.7	41.8	45.6	53.5	61.4	75.8	91.1	106.3	121.5	136.6	151.7	166.8
	0.86	**0.89**	**0.91**	**0.93**	**0.95**	**0.97**	**0.98**	**1.00**	**1.01**	**1.03**	**1.05**	**1.08**	**1.11**	**1.14**	**1.16**	**1.19**	**1.20**	**1.22**
4.09	---	22.3	27.0	31.5	35.9	43.3	45.4	51.2	54.8	62.5	70.2	84.4	99.6	114.7	129.8	144.9	159.9	175.0
4.11	25.8	30.2	34.5	38.7	42.9	50.1	52.1	57.8	61.3	68.9	76.5	90.7	105.8	120.9	135.9	151.0	166.0	181.0
4.27	---	---	---	---	---	33.8	36.1	42.1	45.9	53.9	61.7	76.2	91.5	106.7	121.9	137.0	152.1	167.2
4.33	---	22.6	27.3	31.8	36.2	43.7	45.8	51.5	55.1	62.9	70.5	84.8	99.9	115.1	130.2	145.2	160.3	175.4
4.48	---	---	---	---	---	34.1	36.4	42.4	46.2	54.2	62.1	76.5	91.8	107.1	122.2	137.4	152.5	167.6
4.61	---	22.9	27.6	32.1	36.5	44.0	46.1	51.8	55.5	63.2	70.9	85.1	100.3	115.4	130.5	145.6	160.7	175.7
4.72	---	---	---	---	---	34.4	36.7	42.8	46.6	54.5	62.4	76.9	92.2	107.4	122.6	137.7	152.8	167.9
4.92	--	23.2	27.9	32.5	36.8	44.3	46.4	52.2	55.8	63.5	71.2	85.5	100.7	115.8	130.9	146.0	161.0	176.1
4.99	---	---	---	---	---	34.7	37.0	43.1	46.9	54.9	62.7	77.2	92.5	107.8	123.0	138.1	153.2	168.3
5.29	---	---	---	---	26.5	35.0	37.3	43.4	47.2	55.2	63.1	77.5	92.9	108.1	123.3	138.5	153.6	168.7
5.62	---	---	---	---	26.8	35.3	37.6	43.7	47.5	55.5	63.4	77.9	93.2	108.5	123.7	138.8	153.9	169.0
6.00	---	---	---	---	27.1	35.6	37.9	44.0	47.8	55.9	63.7	78.2	93.6	108.8	124.0	139.2	154.3	169.4
	0.82	**0.85**	**0.87**	**0.89**	**0.91**	**0.95**	**0.96**	**0.98**	**0.99**	**1.01**	**1.04**	**1.07**	**1.10**	**1.13**	**1.16**	**1.18**	**1.20**	**1.22**

SHEAVES PAGES PT7–2-PT7–27	BELTS PAGES PT7–28-PT7–41	SELECTION: WEDGE PAGES PT7–42-PT7–83	ENGINEERING/TECHNICAL PAGES PT7–123-PT7–128



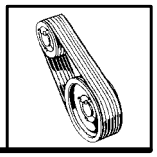
C S-L CLASSIC | CX CLASSIC COG — Basic Horsepower Rating

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.																			
	6.0		6.5		7.0		7.5		8.0		8.5		9.0		9.5		10.0		10.5	
	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX	C	CX
870	5.57	9.32	6.78	10.36	7.98	11.39	9.16	12.40	10.33	13.40	11.48	14.39	12.62	15.36	13.74	16.32	14.85	17.26	15.95	18.20
1160	6.66	11.62	8.19	12.93	9.69	14.22	11.17	15.48	12.62	16.71	14.05	17.93	15.45	19.11	16.82	20.28	18.17	21.42	19.49	22.54
1750	8.07	15.57	10.11	17.30	12.09	18.97	14.00	20.59	15.84	22.15	17.62	23.65	19.32	25.09	20.94	26.47	22.49	27.78	23.96	29.02
3500	4.78	20.81	6.77	22.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	1.06	1.53	1.23	1.68	1.41	1.84	1.58	1.99	1.75	2.15	1.92	2.30	2.09	2.45	2.26	2.61	2.43	2.76	2.60	2.91
200	1.86	2.77	2.19	3.06	2.51	3.35	2.84	3.64	3.16	3.92	3.48	4.21	3.80	4.49	4.12	4.77	4.43	5.05	4.75	5.33
300	2.56	3.90	3.03	4.32	3.50	4.73	3.97	5.14	4.44	5.55	4.90	5.96	5.36	6.36	5.81	6.76	6.27	7.16	6.72	7.55
400	3.19	4.96	3.80	5.50	4.41	6.03	5.02	6.56	5.62	7.08	6.22	7.60	6.81	8.12	7.40	8.63	7.99	9.14	8.57	9.65
500	3.77	5.96	4.52	6.62	5.26	7.26	6.00	7.90	6.73	8.54	7.46	9.17	8.18	9.79	8.89	10.41	9.60	11.02	10.31	11.63
600	4.31	6.92	5.19	7.68	6.06	8.44	6.92	9.19	7.78	9.93	8.63	10.56	9.47	11.39	10.31	12.11	11.13	12.82	11.96	13.52
700	4.80	7.84	5.81	8.71	6.81	9.57	7.79	10.42	8.77	11.26	9.74	12.09	10.69	12.91	11.64	13.73	12.58	14.53	13.51	15.33
800	5.27	8.72	6.39	9.69	7.51	10.65	8.61	11.60	9.70	12.54	10.78	13.46	11.85	14.37	12.90	15.27	13.95	16.17	14.98	17.04
900	5.69	9.57	6.94	10.64	8.17	11.69	9.38	12.73	10.58	13.76	11.77	14.77	12.94	15.77	14.09	16.75	15.23	17.72	16.35	18.68
1000	6.09	10.38	7.45	11.55	8.79	12.69	10.11	13.82	11.41	14.94	12.69	16.03	13.96	17.11	15.20	18.17	16.43	19.21	17.63	20.23
1100	6.46	11.17	7.92	12.42	9.37	13.66	10.79	14.87	12.19	16.06	13.56	17.23	14.91	18.38	16.24	19.51	17.54	20.61	18.82	21.70
1200	6.79	11.92	8.36	13.26	9.90	14.58	11.42	15.87	12.91	17.14	14.37	18.38	15.80	19.59	17.20	20.78	18.57	21.94	19.91	23.08
1300	7.09	12.65	8.76	14.07	10.40	15.47	12.00	16.83	13.57	18.16	15.11	19.47	16.61	20.74	18.08	21.98	19.51	23.19	20.90	24.37
1400	7.36	13.35	9.13	14.85	10.85	16.31	12.53	17.74	14.18	19.14	15.78	20.50	17.35	21.82	18.87	23.11	20.35	24.36	21.78	25.58
1500	7.61	14.02	9.45	15.59	11.26	17.12	13.02	18.61	14.73	20.06	16.40	21.48	18.01	22.84	19.58	24.17	21.09	25.45	22.55	26.69
1600	7.82	14.66	9.75	16.30	11.62	17.89	13.45	19.44	15.22	20.94	16.94	22.39	18.60	23.79	20.19	25.15	21.73	26.45	23.21	27.70
1700	7.99	15.27	10.00	16.97	11.94	18.62	13.83	20.22	15.65	21.76	17.41	23.25	19.10	24.68	20.72	26.05	22.27	27.36	23.74	28.61
1800	8.14	15.85	10.21	17.61	12.22	19.31	14.15	20.95	16.02	22.53	17.81	24.04	19.52	25.49	21.14	26.86	22.69	28.17	24.15	29.41
1900	8.25	16.41	10.39	18.22	12.44	19.96	14.42	21.63	16.32	23.24	18.13	24.77	19.84	26.22	21.47	27.60	23.00	28.90	24.42	30.11
2000	8.33	16.93	10.52	18.79	12.62	20.57	14.63	22.27	16.55	23.89	18.37	25.43	20.08	26.88	21.69	28.25	23.18	29.52	24.56	30.69
2100	8.37	17.42	10.61	19.32	12.75	21.13	14.79	22.85	16.71	24.49	18.53	26.02	20.22	27.46	21.80	28.80	23.25	30.04	24.56	31.16
2200	8.38	17.89	10.56	19.82	12.82	21.65	14.88	23.39	16.80	25.02	18.60	26.55	20.27	27.96	21.80	29.27	23.18	30.45	24.41	31.51
2300	8.35	18.32	10.66	20.28	12.85	22.13	14.90	23.87	16.82	25.49	18.59	27.00	20.21	28.38	21.68	29.63	22.98	30.75	---	---
2400	8.28	18.72	10.62	20.70	12.81	22.56	14.86	24.29	16.76	25.90	18.49	27.38	20.05	28.71	21.44	29.90	---	---	---	---
2500	8.17	19.08	10.53	21.08	12.73	22.94	14.76	24.66	16.62	26.25	18.29	27.68	19.78	28.95	21.07	30.07	---	---	---	---
2600	8.03	19.42	10.39	21.42	12.58	25.27	1425	24.98	16.39	23.52	18.00	27.90	19.40	29.11	---	---	---	---	---	---
2700	7.84	19.72	10.20	21.72	12.37	23.56	14.34	25.23	16.09	26.73	17.61	28.04	---	---	---	---	---	---	---	---
2800	7.61	19.98	9.97	21.98	12.10	23.80	14.02	25.43	15.69	26.87	---	---	---	---	---	---	---	---	---	---
2900	7.34	20.21	9.68	22.19	11.77	23.98	13.62	25.56	15.21	26.93	---	---	---	---	---	---	---	---	---	---
3000	7.03	20.41	9.33	22.37	11.38	24.11	13.15	25.63	---	---	---	---	---	---	---	---	---	---	---	---
3100	6.67	20.57	8.94	22.49	10.91	24.19	12.59	25.64	---	---	---	---	---	---	---	---	---	---	---	---
3200	6.27	20.69	8.48	22.57	10.38	24.21	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3300	5.82	20.77	7.97	22.61	9.78	24.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3400	5.32	20.81	7.40	22.59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3500	4.78	20.81	6.77	22.53	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3600	4.18	20.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3700	3.53	20.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3800	2.83	20.57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- Note: Shaded areas indicate operation above 6500 FPM rim speed.
Special sheave construction required.

SHEAVES PAGES PT7-2-PT7-27	BELTS PAGES PT7-28-PT7-41	SELECTION: WEDGE PAGES PT7-42-PT7-83	ENGINEERING/TECHNICAL PAGES PT7-123-PT7-128

DODGE®



C S-L CLASSIC | CX CLASSIC COG Basic Horsepower Rating

Faster Shaft RPM	Rated HP per Belt for Small Sheave Datum Dia.										Add'l HP/Belt for Speed Ratio of:					
	11.0		12.0		13.0		14.0		16.0		1.03	1.10	1.20	1.40	1.80	3.00
	C	CX	C	CX	C	CX	C	CX	C	CX	1.09	1.19	1.39	1.79	2.99	& up
870	17.03	19.12	19.15	20.92	21.21	22.66	23.20	24.36	27.00	27.57	0.13	0.37	0.59	0.82	0.97	1.05
1160	20.78	23.63	23.27	25.74	25.64	27.75	27.88	29.64	31.96	33.10	0.17	0.49	0.79	1.09	1.30	1.40
1750	25.35	30.20	27.86	32.34	30.00	34.18	---	---	---	---	0.26	0.74	1.19	1.65	1.96	2.11
3500	---	---	---	---	---	---	---	---	---	---	0.52	1.47	2.37	3.30	3.92	4.22
100	2.76	3.06	3.10	3.35	3.43	3.65	3.75	3.94	4.40	4.51	0.01	0.04	0.07	0.09	0.11	0.12
200	5.06	5.60	5.68	6.15	6.30	6.69	6.91	7.22	8.12	8.28	0.03	0.08	0.14	0.19	0.22	0.24
300	7.17	7.94	8.06	8.72	8.95	9.49	9.82	10.25	11.55	11.74	0.04	0.13	0.20	0.28	0.34	0.36
400	9.15	10.15	10.29	11.14	11.43	12.12	12.55	13.08	14.75	14.98	0.06	0.17	0.27	0.38	0.45	0.48
500	11.01	12.23	12.39	13.43	13.76	14.60	15.11	15.75	17.75	18.01	0.07	0.21	0.34	0.47	0.56	0.60
600	12.77	14.22	14.38	15.60	15.96	16.95	17.51	18.27	20.54	20.85	0.09	0.25	0.41	0.57	0.67	0.72
700	14.43	16.11	16.24	17.66	18.02	19.17	19.76	20.65	23.12	23.51	0.10	0.29	0.47	0.66	0.78	0.84
800	15.99	17.91	17.99	19.61	19.94	21.27	21.84	22.88	25.48	25.97	0.12	0.34	0.54	0.75	0.90	0.97
900	17.46	19.62	19.62	21.46	21.73	23.24	23.76	24.96	27.62	28.23	0.13	0.38	0.61	0.85	1.01	1.09
1000	18.82	21.24	21.13	23.20	23.36	25.08	25.50	26.89	29.50	30.28	0.15	0.42	0.68	0.94	1.12	1.21
1100	20.08	22.76	22.51	24.82	24.83	26.79	27.05	28.66	31.12	32.11	0.16	0.46	0.75	1.04	1.23	1.33
1200	21.22	24.19	23.75	26.33	26.15	28.35	28.40	30.26	32.47	33.71	0.18	0.51	0.81	1.13	1.34	1.45
1300	22.26	25.52	24.85	27.72	27.28	29.77	29.54	31.69	33.51	35.06	0.19	0.55	0.88	1.23	1.45	1.57
1400	23.17	26.75	25.80	28.98	28.24	31.04	30.46	32.93	34.24	36.16	0.21	0.59	0.95	1.32	1.57	1.69
1500	23.96	27.88	26.60	30.11	29.00	32.15	31.15	33.98	34.63	36.98	0.22	0.63	1.02	1.41	1.68	1.81
1600	24.62	28.89	27.23	31.11	29.56	33.09	31.59	34.83	---	---	0.24	0.67	1.09	1.51	1.79	1.93
1700	25.14	29.79	27.69	31.97	29.91	33.86	31.77	35.47	---	---	0.25	0.72	1.15	1.60	1.90	2.05
1800	25.52	30.58	27.98	32.67	30.04	34.45	---	---	---	---	0.27	0.76	1.22	1.70	2.01	2.17
1900	25.75	31.24	28.07	33.23	---	---	---	---	---	---	0.28	0.80	1.29	1.79	2.13	2.29
2000	25.82	31.77	27.97	33.63	---	---	---	---	---	---	0.30	0.84	1.36	1.89	2.24	2.41
2100	25.74	32.18	---	---	---	---	---	---	---	---	0.31	0.88	1.42	1.98	2.35	2.53
2200	---	---	---	---	---	---	---	---	---	---	0..33	0.93	1.49	2.07	2.46	2.66
2300	---	---	---	---	---	---	---	---	---	---	0.34	0.97	1.56	2.17	2.57	2.78
2400	---	---	---	---	---	---	---	---	---	---	0.36	1.01	1.63	2.26	2.69	2.90
2500	---	---	---	---	---	---	---	---	---	---	0.37	1.05	1.70	2.36	2.80	3.02
2600	---	---	---	---	---	---	---	---	---	---	0.39	1.10	1.76	2.45	2.91	3.14
2700	---	---	---	---	---	---	---	---	---	---	0.40	1.14	1.83	2.54	3.02	3.26
2800	---	---	---	---	---	---	---	---	---	---	0.42	1.18	1.90	2.64	3.13	3.38
2900	---	---	---	---	---	---	---	---	---	---	0.43	1.22	1.97	2.73	3.25	3.50
3000	---	---	---	---	---	---	---	---	---	---	0.45	1.26	2.04	2.83	3.36	3.62
3100	---	---	---	---	---	---	---	---	---	---	0.46	1.31	2.10	2.92	3.47	3.74
3200	---	---	---	---	---	---	---	---	---	---	0.48	1.35	2.17	3.02	3.58	3.86
3300	---	---	---	---	---	---	---	---	---	---	0.49	1.39	2.24	3.11	3.69	3.98
3400	---	---	---	---	---	---	---	---	---	---	0.51	1.43	2.31	3.20	3.80	4.10
3500	---	---	---	---	---	---	---	---	---	---	0.52	1.47	2.37	3.30	3.92	4.22
3600	---	---	---	---	---	---	---	---	---	---	0.54	1.52	2.44	3.39	4.03	4.35
3700	---	---	---	---	---	---	---	---	---	---	0.55	1.56	2.51	3.49	4.14	4.47
3800	---	---	---	---	---	---	---	---	---	---	0.57	1.60	2.58	3.58	4.25	4.59

--- Note: Shaded areas indicate operation above 6500 FPM rim speed. Special sheave construction required.