DYNA-SYNC Drives

USING STANDARD MOTOR SPEEDS

Step 1—Determine Service Factor from steps on page PT10–16.

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, 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 the belt section from Step 3, refer to Selection Tables beginning on page PT10–18. **b).** Under appropriate standard full-load motor RPM, find the driven RPM nearest to the desired speed. Trace right to columns headed "Pulley Combination." If more than one is listed, the combination with the largest pulleys usually will offer the best belt life. (Note that one pulley must be flanged on all drives. If center distance exceeds 8 times P.D. of small pulley or shafts are vertical or inclined, both must be flanged.) **c).** On same line trace right to the figure nearest the desired center distance and at top of column note belt number. **d).** Trace back on same line to appropriate column under heading "HP for a 1″ Belt... "Divide the design HP obtained in Step 2 by the HP thus found in table. (Divide this value by Teeth in Mesh (T.I.M.) factor when applicable.) The result is the Belt Width Factor. Refer to table below right hand selection table to determine belt width required. If width shown is not stock go to next stock width listed. Add belt code, from table, to belt number found in Step 4c. (If wider stock belt is not shown in table, redesign drive to next larger pitch.) To check drive calculation: HP for a 1″ Wide Belt x Belt Width factor x Teeth in Mesh factor = Actual HP rating of the drive. If actual rating is equal to or greater than Design HP, selection is O.K.

NOTE: Good practice dictates that shaft and bushing system (or alternate shaft mounting method) be verified for adequate rating.

DYNA-SYNC Drives

USING STANDARD MOTOR SPEEDS

EXAMPLE OF SELECTION

Select a drive for a 3 cylinder reciprocating compressor to run 8 hours a day at about 270 RPM and to be driven by a 5 HP, 1160 RPM Design B squirrel cage motor. Centers are about 25″.

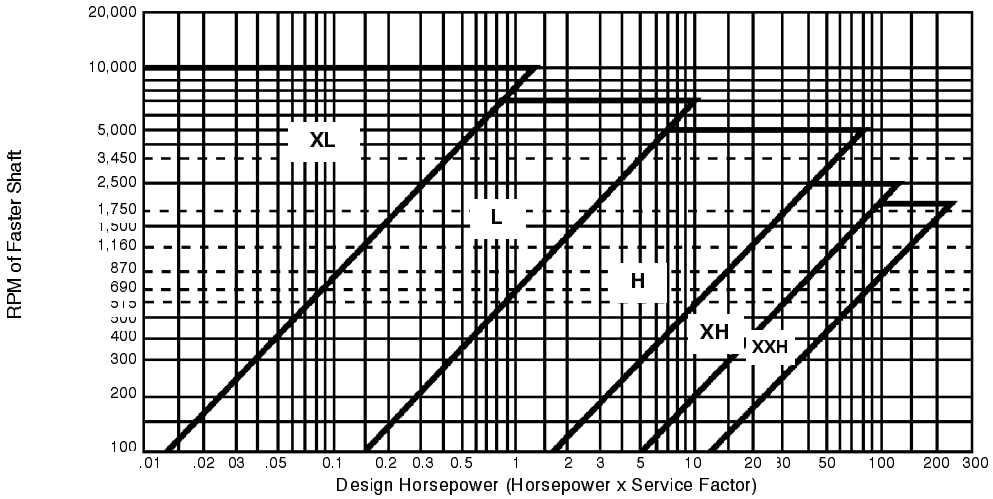
Step 1—Service Factor from page PT10–16 is 2.2.

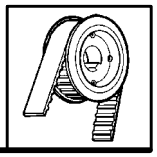
Step 2—Design HP = 5 x 2.2 = 11 HP.

Step 3—An "H" Cross Section is shown in Table 1 when reading to the right of 1160 RPM of faster shaft and up from 11 design HP.

Step 4—The H-Section drive tables begin on page PT10–18. On page PT1–33, the nearest driven speed for a 1160 RPM motor is 271 RPM. Two possible pulley combinations are listed. The 28H driver/120H driven is preferred. On the same line the nearest center distance to 25″ is 25.45″. Note the 900 H belt at top of column. Tracing back on the same line, under 1160 RPM, the "HP for a 1″ Belt" is 5.68. 11 design HP 5.68 = 1.937 Belt Width Factor. Belt Width Table indicates a 2″ wide belt is required. Add code number 200 to belt and pulley number and order the following: (1) TL28H200 DYNA-SYNC Pulley, (1) 2012 Taper-Lock (1) TL120H200 pulley. (1) TAPER-LOCK 3020 bushing. (1) 900H200 DYNA-SYNC Belt. To facilitate delivery, order by part numbers listed in Pulley, Bushing and Belt sections of this catalog.

Table 1 — Synchronous Cross Section Selection Chart





Service Factor

To determine the service factor for a DYNA-SYNC drive follow the three steps below.

Step 1. Determine the class of Driver from Table 2 below.

Step 2. Use Class of Driver and Type of Application in Table 4 at right to find the tentative service factor.

Step 3. Add the Additional Service Factor, when applicable, from Table 3 at bottom of page to the tentative service factor from Step 2 to determine the service factor for the application.

Table 2 — Class of Driver

Driver	Class I	Class II	Class III
A-C Electric Motors,			
Single Phase			All
Squirrel Cage,			
NEMA Design A,			
3500 RPM	40 HP up	30 HP or less	
1750 RPM	100 HP up	5 to 75 HP	3 HP or less
1160 RPM	15 HP up	10 HP or less	
870 RPM	5 HP up	3 HP or less	
NEMA Design B,			
3500 RPM		5 HP up	3 HP or less
1750 RPM		5 HP up	3 HP or less
1160 RPM		5 HP up	3 HP or less
870 RPM		2 HP up	1-1/2 HP or less
NEMA Design C,			
1750 RPM		15 HP up	10 HP or less
1160 RPM		7-1/2 HP up	5 HP or less
870 RPM		All	
NEMA Design D			All
NEMA Design F	All		
Wound Rotor,			
1750 RPM		20 HP	15 HP or less
1160 RPM		15 HP	10 HP or less
870 RPM		7-1/2 HP	5 HP or less
Synchronous		Norm. Torque	High Torque
D-C Electric Motors	Shunt	Compound	Series
Engines-Int. Comb	8 Cyl. up	6 Cyl	4 Cyl. or less
Hydraulic Motors			All
Line Shafts			All

Table 3 — Additional Service Factors★

Condition	Additional Factor
24 hour continuous operation	0.2
Use of an idler	0.2
Intermittent or seasonal operation	◆
Speed up drive:	
1 to 1.24 ratio	0.0
1.25 to 1.74 ratio	0.1
1.75 to 2.49 ratio	0.2
2.50 to 3.49 ratio	0.3
Over 3.49 ratio	0.4

★ Additional service factors other than listed here are required for unusual condition such as torque reversal, heavy shock, when current to motor is reversed to either stop the motor rapidly or to run it in opposite direction, or when a brake is to be used. For such applications consult factory.

◆ Subtract 0.2 from tentative service factor.

Table 4 — Service Factors*

Application	Class I	Class II	Class III
AGITATORS, MIXERS (Paddle or Propeller)			
Liquid	1.4	1.6	1.8
Semi-liquid	1.5	1.7	1.9
BAKERY MACHINERY DOUGH MIXERS	1.4	1.6	1.8
BRICK AND CLAY MACHINERY			
Augers, Mixers, Granulators	1.5	1.7	1.9
Pug Mills	1.8	2.0	2.2
CENTRIFUGES	1.8	1.9	...
COMPRESSORS			
Reciprocating	2.0	2.2	2.4
Centrifugal	1.8	1.7	1.8
CONVEYORS			
Light-Package Belt, oven	1.3	1.5	1.7
Belt, Ore, Coal, Sand	1.8	1.7	1.8
Apron, Bucket, Elevator, Pan	1.7	1.8	1.9
Flight, Screw	1.7	1.9	2.0
FANS, BLOWERS			
Centrifugal, Induced Draft Exhausters	1.8	1.8	2.0
Propeller, Mine fans, Positive Blowers	1.8	2.0	2.2
GENERATORS AND EXCITERS	1.6	1.8	2.0
HAMMER MILLS	1.7	1.9	2.1
LAUNDRY MACHINERY			
General	1.5	1.6	1.7
Extractors, Washers	1.6	1.8	2.0
LINE SHAFTS	1.5	1.7	1.9
MACHINE TOOLS			
Drill Presses, Lathes, Screw Machines	1.4	1.6	1.8
Boring Mills, Grinders	1.5	1.7	1.9
Milling Machines, Shapers	1.5	1.7	1.9
MILLS			
Ball, Rod, Pebble. etc.	...	2.2	2.5
PAPER MACHINERY			
Agitators, Calenders, Dryers	1.4	1.6	1.8
Beaters, Jordans, Nash Pumps, Pulpers	1.7	1.9	2.1
PRINTING MACHINERY			
Presses: Newspaper, Rotary, Embossing, Flat Bed, Magazine; Linotype Machines; Cutters; Folders	1.4	1.6	1.8
PUMPS			
Centrifugal, Gear, Rotary, Pipeline	1.5	1.7	1.9
Reciprocating	2.0	2.2	2.4
RUBBER PLANT MACHINERY	1.6	1.8	2.0
SAW MILL MACHINERY	1.6	1.8	2.0
SCREENS			
Vibrating (Shakers)	1.5	1.7	...
Drum, Conical	1.4	1.5	...
TEXTILE MACHINERY			
Looms, Spinning Frames, Twisters	1.6	1.8	2.0
Wrappers, Reels	1.5	1.7	...
WOODWORKING MACHINERY			
Lathes, Band Saws	1.3	1.4	...
Jointers, Circular Saws, Planers	1.4	1.6	...

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45

DYNA-SYNC Drives

FOR SPEEDS OTHER THAN STANDARD MOTOR SPEEDS AND SPEED-UP DRIVES

For Speeds Other than Standard Motor Speeds:

Step 1—Calculate Speed Ratio $= \frac{\text{Driver RPM}}{\text{Driven RPM}}$

Step 2—Determine Service Factor from steps on page PT10–16.

Step 3—Calculate Design HP. Multiply normal running HP required or nameplate rating by service factor obtained in Step 2.

Step 4—Using Table 1 on page PT10–14 read up from design HP obtained in Step 3 and over from RPM of faster shaft. This intersection indicates belt section.

Step 5—Select the Drive. a.) Using the belt section obtained in Step 4, refer to Selection Tables beginning on PT10–18. **b.)** Read down ratio column to the value nearest to one calculated in Step 1. Trace right to columns headed "Pulley Combinations." If more than one is listed, the combination with the largest pulleys usually will offer the best belt life. (Note that one pulley must be flanged on all drives. If center distance exceeds 8 times P.D. of small pulley or shafts are vertical or inclined, both must be flanged.) **c.)** On the same line trace right to figure nearest the desired center distance and at top of column note belt number. **d.)** Now go to the **HP Table** for the appropriate belt section. Reading to the right of the speed of the faster pulley and down from the pulley size, the HP figure for a 1″ belt will appear. Divide the design HP from Step 3 by the HP thus found in table. (Divide this value by Teeth in Mesh factor, when applicable.) The result is the Belt Width Factor. Refer to table below the HP Table to determine belt width factor required. If width shown is not in stock go to next stock width listed. Add belt code, from table, to belt number found in Step 5c. (If wider stock belt is not shown in table, redesign drive to next larger pitch).

EXAMPLE OF SELECTION

A printing machine embossing roll runs at 426 RPM, powered from an 800 RPM line shaft. The roll required 7 HP. Machine runs 8-10 hrs. a day. Center distance is approx. 20″.

Step 1—Speed Ratio $= \frac{800}{426} = 1.88$

Step 2—Service Factor = 1.8

Step 3—Design HP = 7 x 1.8 = 12.6

Step 4—Belt Selection from Table 1 = H

Step 5—The H Section **Drive Tables** begin on page PT10–30. The ratio of 1.88 obtained in Step 1 is found on page PT10–32. Two pulley combinations are listed. The 32H driver /60H driven is preferred. On the same line the nearest center distance to 20″ is 19.88. Note the 630H belt at top of column. Refer to H section **HP Tables** on page PT10–42. Opposite 800 RPM of faster shaft and under 32H pulley, the HP 4.50 = 2.8. This is the belt width factor. Referring to the H belt width table a 3″ wide belt is stock. Add the 300 Code Width to the pulley and belt numbers and order the following:

(1) TL32H300 DYNA-SYNC Pulley, (1) 2517 TAPER-LOCK bushing (Check to see if bushing will fit equipment shafts). (1) TL60H300 Pulley.

(1) 3020 bushing

(1) 630H300 DYNA-SYNC Belt.

To facilitate delivery, use part numbers listed in Pulley, Bushing and Belt sections of this catalog.

Example of a Speed-Up Drive

Select a drive for a continuous duty liquid agitator to run at about 2000 RPM and to be driven by a 10 HP, 1750 RPM squirrel cage motor Centers are about 10″.

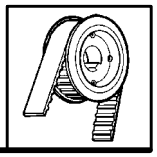
Step 1—Speed ratio is 2000 ÷ 1750 = 1.14.

Step 2—Service factor from page PT10–16 is 1.8

Step 3—Design HP= 10 x 1.8= 18 HP.

Step 4—An "H" Cross Section is shown in Table 1 when reading to the right of 2000 RPM and up from 18 design HP.

Step 5—Speed ratio calculated in Step 1 appears in Selection Table on page PT10–30. Two possible pulley combinations are listed. The 28H driver/32H driven is preferred. In a Speed-Up Drive, the 28H becomes the driven, the 32H, the driver. On the same line the nearest center distance to 10″ is 10.5. Note the 360H belt at top of column. Referring to HP table on page PT10–42, the rating for a 1″ wide belt is shown as 9.60 for a 28H pulley at 2000 RPM. 18 design HP ÷ 9.601.875 Belt Width Factor Belt Width Table indicates a 2″ wide belt is required. Add code number 200 to belt and pulley number and order the following: (1) TL32H200 DYNA-SYNC Pulley, (1) 2517 TAPER-LOCK Bushing. (Check to see if bushings will fit equipment shafts). (1) TL28H200 Pulley, (1) 2012 bushing (with 2″ max. bore). (1) 360H200 DYNA-SYNC belt.



XL Stock Drive Selections

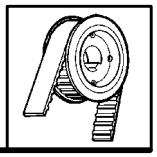
Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
3500	1750	1160	1.00	30XL	1.910	30XL	1.910	2.11	1.07	.71	....	....	....	....	....	2.50
3500	1750	1160	1.00	28XL	1.783	28XL	1.783	1.98	1.00	.66	....	....	....	....	2.20	2.70
3500	1750	1160	1.00	24XL	1.528	24XL	1.528	1.71	.86	.56	....	....	....	2.10	2.60	3.10
3500	1750	1160	1.00	22XL	1.401	22XL	1.401	1.57	.79	.52	....	....	1.80	2.30	2.80	3.30
3500	1750	1160	1.00	21XL	1.337	21XL	1.337	1.49	.75	.50	....	....	1.90	2.40	2.90	3.40
3500	1750	1160	1.00	20XL	1.273	20XL	1.273	1.42	.72	.46	....	....	2.00	2.50	3.00	3.50
3500	1750	1160	1.00	18XL	1.146	18XL	1.146	1.28	.64	.42	....	1.70	2.20	2.70	3.20	3.70
3500	1750	1160	1.00	16XL	1.019	16XL	1.019	1.15	.58	.38	1.40	1.90	2.40	2.90	3.40	3.90
3500	1750	1160	1.00	15XL	.955	15XL	.955	1.07	.53	.36	1.50	2.00	2.50	3.00	3.50	4.00
3500	1750	1160	1.00	14XL	.891	14XL	.891	1.00	.50	.33	1.60	2.10	2.60	3.10	3.60	4.10
3500	1750	1160	1.00	12XL	.764	12XL	.764	.86	.43	.28	1.80	2.30	2.80	3.30	3.80	4.30
3500	1750	1160	1.00	11XL	.700	11XL	.700	.79★	.39	.26	1.90†	2.40†	2.90†	3.40†	3.90†	4.40†
3341	1675	1107	1.05	21XL	1.337	22XL	1.401	1.49	.75	.50	....	....	1.85	2.35	2.85	3.35
3333	1667	1105	1.05	20XL	1.273	21XL	1.337	1.42	.72	.46	....	....	1.95	2.45	2.95	3.45
3281	1641	1088	1.07	30XL	1.910	32XL	2.037	2.11	1.07	.71	....	....	....	....	....	2.39
3281	1641	1088	1.07	15XL	.955	16XL	1.019	1.07	.53	.36	1.45	1.95	2.45	2.95	3.45	3.95
3267	1634	1083	1.07	28XL	1.783	30XL	1.910	1.98	1.00	.66	....	....	....	....	2.09	2.59
3267	1634	1083	1.07	14XL	.891	15XL	.955	1.00	.50	.33	1.55	2.05	2.55	3.05	3.55	4.05
3208	1604	1063	1.09	22XL	1.401	24XL	1.528	1.57	.79	.52	....	....	....	2.19	2.69	3.19
3208	1604	1063	1.09	11XL	.700	12XL	.764	.79★	.39	.26	1.85†	2.35†	2.85†	3.35†	3.85†	4.35†
3182	1591	1055	1.10	20XL	1.273	22XL	1.401	1.42	.72	.46	....	....	1.89	2.39	2.89	3.39
3150	1575	1044	1.11	18XL	1.146	20XL	1.273	1.28	.64	.42	....	1.59	2.09	2.59	3.09	3.59
3111	1556	1031	1.13	16XL	1.019	18XL	1.146	1.15	.58	.38	....	1.79	2.29	2.79	3.29	3.79
3063	1532	1015	1.14	28XL	1.783	32XL	2.037	1.98	1.00	.66	....	....	....	....	....	2.49
3063	1532	1015	1.14	21XL	1.337	24XL	1.528	1.49	.75	.50	....	....	1.74	2.24	2.74	3.24
3063	1532	1015	1.14	14XL	.891	16XL	1.019	1.00	.50	.33	1.49	1.99	2.49	2.99	3.49	4.00
3000	1500	994	1.17	24XL	1.528	28XL	1.783	1.71	.86	.56	....	....	....	....	2.39	2.89
3000	1500	994	1.17	18XL	1.146	21XL	1.337	1.28	.64	.42	....	1.54	2.04	2.54	3.04	3.54
3000	1500	994	1.17	12XL	.764	14XL	.891	.86	.43	.28	1.69†	2.19†	2.69†	3.19†	3.69†	4.20†
2917	1458	967	1.20	30XL	1.910	36XL	2.292	2.11	1.07	.71	....	....	....	....	....	....
2917	1458	967	1.20	20XL	1.273	24XL	1.528	1.42	.72	.46	....	....	1.79	2.29	2.79	3.29
2917	1458	967	1.20	15XL	.955	18XL	1.146	1.07	.53	.36	1.34	1.84	2.34	2.84	3.34	3.84
2864	1432	949	1.22	18XL	1.146	22XL	1.401	1.28	.64	.42	....	....	1.99	2.49	2.99	3.49
2800	1400	928	1.25	24XL	1.528	30XL	1.910	1.71	.86	.56	....	....	....	....	2.29	2.79
2800	1400	928	1.25	16XL	1.019	20XL	1.273	1.15	.58	.38	....	1.69	2.19	2.69	3.19	3.69
2800	1400	928	1.25	12XL	.764	15XL	.955	.86	.43	.28	1.64†	2.14†	2.64†	3.14†	3.64†	4.14†
2750	1375	911	1.27	22XL	1.401	28XL	1.783	1.57	.79	.52	....	....	....	1.99	2.49	2.99
2750	1375	911	1.27	11XL	.700	14XL	.891	.79★	.39	.26	1.74†	2.24†	2.74†	3.24†	3.74†	4.24†
2722	1361	902	1.29	28XL	1.783	36XL	2.292	1.98	1.00	.66	....	....	....	....	....	2.28
2722	1361	902	1.29	14XL	.891	18XL	1.146	1.00	.50	.33	1.39	1.89	2.39	2.89	3.39	3.89
2667	1333	884	1.31	16XL	1.019	21XL	1.337	1.15	.58	.38	....	1.64	2.14	2.64	3.14	3.64
2625	1313	870	1.33	30XL	1.910	40XL	2.546	2.11	1.07	.71	....	....	....	....	....	....
2625	1313	870	1.33	24XL	1.528	32XL	2.037	1.71	.86	.56	....	....	1.89	....	2.18	2.68
2625	1313	870	1.33	21XL	1.337	28XL	1.783	1.49	.75	.50	....	....	....	2.03	2.54	3.04
2625	1313	870	1.33	18XL	1.146	24XL	1.528	1.28	.64	.42	....	....	....	2.39	2.89	3.39
2625	1313	870	1.33	15XL	.955	20XL	1.273	1.07	.53	.36	....	1.74	2.24	2.74	3.24	3.74
2625	1313	870	1.33	12XL	.764	16XL	1.019	.86	.43	.28	1.59†	2.09†	2.59†	3.09†	3.59†	4.09†
2567	1283	851	1.36	22XL	1.401	30XL	1.910	1.57	.79	.52	....	....	....	....	2.38	2.88
2567	1283	851	1.36	11XL	.700	15XL	.955	.79★	.38	.26	1.69†	2.19†	2.69†	3.19†	3.69†	4.19†
2545	1273	844	1.38	16XL	1.019	22XL	1.401	1.15	.58	.38	....	1.58	2.09	2.59	3.09	3.59
2500	1250	829	1.40	30XL	1.910	42XL	2.674	2.11	1.07	.71	....	1.68	....	....	....	....
2500	1250	829	1.40	20XL	1.273	28XL	1.783	1.42	.72	.46	....	....	....	2.08	2.58	3.09
2500	1250	829	1.40	15XL	.955	21XL	1.337	1.07	.53	.36	....	....	2.19	2.69	3.19	3.69
2450	1225	812	1.43	28XL	1.783	40XL	2.546	1.98	1.00	.66	....	....	....	....	....	....
2450	1225	812	1.43	21XL	1.337	30XL	1.910	1.49	.75	.50	....	....	....	1.92	2.43	2.93
2450	1225	812	1.43	14XL	.891	20XL	1.273	1.00	.50	.33	....	1.79	2.29	2.79	3.29	3.79
2406	1203	798	1.45	22XL	1.401	32XL	2.037	1.57	.79	.52	....	....	....	....	2.27	2.78
2406	1203	798	1.45	11XL	.700	16XL	1.019	.79★	.39	.26	1.64†	2.14†	2.64†	3.14†	3.64†	4.14†

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

† See Teeth in Mesh table on opposite page.

DODGE®



XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
3.20	3.70	4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	6.20	8.70	9.20	9.70	10.20
3.60	4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	6.60	9.10	9.60	10.10	10.60
3.80	4.30	4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.80	9.30	9.80	10.30	10.80
3.90	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90
4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00
4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	8.20	8.70	9.20	9.70	10.20	10.70	11.20
4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90	11.40
4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50
4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.60	10.10	10.60	11.10	11.60
4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.60	9.30	9.80	10.30	10.80	11.30	11.80
4.90†	5.40†	5.90†	6.40†	6.90†	7.40†	7.90†	8.40†	8.90†	9.40†	9.90†	10.40†	10.90†	11.40†	11.90†
3.85	4.35	4.85	5.35	5.85	6.35	6.85	7.35	7.85	8.35	8.85	9.35	9.85	10.35	10.85
3.95	4.45	4.95	5.45	5.95	6.45	6.95	7.45	7.95	8.45	8.95	9.45	9.95	10.45	10.95
2.89	3.39	3.89	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.99	9.40	9.90
4.45	4.95	5.45	5.95	6.45	6.95	7.45	7.95	8.45	8.95	9.45	9.95	10.45	10.95	11.45
3.09	3.59	4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.80	10.10
4.55	5.05	5.55	6.05	6.55	7.05	7.55	8.05	8.55	9.05	9.55	10.05	10.55	11.05	11.55
3.69	4.20	4.70	5.20	5.70	6.20	6.70	7.20	7.70	8.20	8.70	9.20	9.70	10.20	10.70
4.85†	5.35†	5.85†	6.35†	6.85†	7.35†	7.85†	8.35†	8.85†	9.35†	9.85†	10.35†	10.85†	11.35†	11.85†
3.89	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90
4.10	4.60	5.10	5.60	6.10	6.60	7.10	7.60	8.10	8.60	9.10	9.60	10.10	10.60	11.10
4.30	4.80	5.30	5.80	6.30	6.80	7.30	7.80	8.30	8.80	9.30	9.80	10.30	10.80	11.30
2.99	3.49	3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99
3.74	4.24	4.74	5.24	5.74	6.24	6.74	7.24	7.74	8.24	8.74	9.25	9.75	10.25	10.75
4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50
3.39	3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39
4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.05	9.55	10.05	10.55	11.05
4.70†	5.20†	5.70†	6.20†	6.70†	7.20†	7.70†	8.20†	8.70†	9.20†	9.70†	10.20†	10.70†	11.20†	11.70†
2.69	3.19	3.69	4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69
3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79
4.34	4.84	5.34	5.84	6.34	6.84	7.34	7.84	8.34	8.84	9.35	9.85	10.35	10.85	11.35
3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49	10.99
3.29	3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.89	11.19
4.64†	5.14†	5.64†	6.14†	6.64†	7.14†	7.64†	8.14†	8.64†	9.15†	9.65†	10.15†	10.65†	11.15†	11.65†
3.49	3.99	4.49	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49
4.74†	5.24†	5.74†	6.24†	6.74†	7.24†	7.74†	8.24†	8.74†	9.25†	9.75†	10.25†	10.75†	11.25†	11.75†
2.78	3.29	3.79	4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79
4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39	10.69	11.39
4.14	4.64	5.14	5.64	6.14	6.64	7.14	7.64	8.14	8.64	9.14	9.64	10.14	10.64	11.14
2.48	2.98	3.48	3.98	4.48	4.99	5.49	5.99	6.49	6.99	7.49	7.99	8.49	8.99	9.49
3.19	3.69	4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19
3.54	4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.04	9.54	10.04	10.54
3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39	10.89
4.24	4.74	5.24	5.74	6.24	6.74	7.24	8.24	8.24	8.74	9.24	9.74	10.24	10.74	11.24
4.59†	5.09†	5.59†	6.09†	6.59†	7.09†	7.59†	8.09†	8.59†	9.09†	9.59†	10.09†	10.59†	11.09†	11.59†
3.39	3.89	4.39	4.89	5.39	5.89	6.39	6.89	7.39	7.89	8.39	8.89	9.39	9.89	10.39
4.69†	5.19†	5.89†	6.19†	6.69†	7.19†	7.69†	8.19†	8.69†	9.19†	9.69†	10.19†	10.69†	11.19†	11.69†
4.09	4.59	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59	11.09
....	2.87	3.37	3.88	4.38	4.88	5.38	5.88	6.38	6.88	7.39	7.89	8.39	8.69	9.39
3.59	4.09	4.59	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69	11.19
2.57	3.07	3.58	4.08	4.58	5.08	5.58	6.08	6.58	7.09	7.59	8.09	8.59	9.09	9.59
3.43	3.84	4.44	4.94	5.44	5.94	6.44	6.94	7.44	7.94	8.44	8.94	9.44	9.94	10.44
4.29	4.79	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79	11.29
3.28	3.78	4.28	4.78	5.29	5.79	6.29	6.79	7.29	7.79	8.29	8.79	9.29	9.79	10.29
4.64†	5.14†	5.64†	6.14†	6.64†	7.14†	7.64†	8.14†	8.64†	9.14†	9.64†	10.14†	10.64†	11.14†	11.64†

XL Belt Width Table

Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00
†	5	.80

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45

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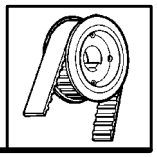

XL Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
2386	1193	791	1.47	15XL	1.901	44XL	2.801	2.11	1.07	.71	....	....	....	....	....	....
2386	1193	791	1.47	30XL	.955	22XL	1.401	1.07	.53	.36	....	1.63	2.13	2.64	3.14	3.64
2334	1167	773	1.50	28XL	1.783	42XL	2.674	1.98	1.00	.66	....	....	....	....	....	....
2334	1167	773	1.50	24XL	1.528	36XL	2.292	1.71	.86	.56	....	....	....	....	....	2.47
2334	1167	773	1.50	20XL	1.273	30XL	1.910	1.42	.72	.46	....	....	....	1.97	2.48	2.98
2334	1167	773	1.50	16XL	1.019	24XL	1.528	1.15	.58	.38	....	....	1.98	2.48	2.98	3.49
2334	1167	773	1.50	14XL	.891	21XL	1.337	1.00	.50	.33	....	1.73	2.23	2.74	3.24	3.74
2334	1167	773	1.50	12XL	.764	18XL	1.146	.86	.43	.28	1.48†	1.99†	2.49†	2.99†	3.49†	3.99†
2297	1148	761	1.52	21XL	1.337	32XL	2.037	1.49	.75	.50	....	....	....	....	2.32	2.82
2250	1125	746	1.56	18XL	1.146	28XL	1.783	1.28	.64	.42	....	....	....	2.17	2.68	3.18
2227	1114	738	1.57	28XL	1.783	44XL	2.801	1.98	1.00	.66	....	....	....	....	....	....
2227	1114	738	1.57	14XL	.891	22XL	1.401	1.00	.50	.33	....	1.68	2.18	2.68	3.19	3.69
2188	1094	725	1.60	30XL	1.910	48XL	3.056	2.11	1.07	.71	....	....	....	....	....	....
2188	1094	725	1.60	20XL	1.273	32XL	2.037	1.42	.72	.46	....	....	....	1.86	2.36	2.87
2188	1094	725	1.60	15XL	.955	24XL	1.528	1.07	.53	.36	....	1.52	2.02	2.53	3.03	3.53
2139	1059	709	1.64	22XL	1.401	36XL	2.292	1.57	.79	.52	....	....	....	....	....	2.56
2139	1069	709	1.64	11XL	.700	18XL	1.146	.79★	.39	.26	1.53†	2.03†	2.54†	3.64†	3.54†	4.04†
2100	1050	696	1.67	24XL	1.528	40XL	2.546	1.71	.86	.56	....	....	....	....	....	....
2100	1050	696	1.67	18XL	1.146	30XL	1.910	1.28	.64	.42	....	....	....	2.06	2.57	3.07
2100	1050	696	1.67	12XL	.764	20XL	1.273	.86	.43	.28	1.37†	1.88†	2.38†	2.88†	3.39†	3.89†
2042	1021	677	1.71	28XL	1.783	48XL	3.056	1.98	1.00	.66	....	....	....	....	....	....
2042	1021	677	1.71	21XL	1.337	36XL	2.292	1.49	.75	.50	....	....	....	....	2.09	2.60
2042	1021	677	1.71	14XL	.891	24XL	1.528	1.00	.50	.33	....	1.56	2.07	2.58	3.08	3.58
2000	1000	663	1.75	24XL	1.528	42XL	2.674	1.71	.86	.56	....	....	....	....	....	....
2000	1000	683	1.75	16XL	1.019	28XL	1.783	1.15	.58	.38	....	....	1.75	2.26	2.77	3.27
2000	1000	663	1.75	12XL	.764	21XL	1.337	.86	.43	.28	1.31†	1.82†	2.33†	2.83†	3.33†	3.83†
1969	984	653	1.78	18XL	1.146	32XL	2.037	1.28	.64	.42	....	....	....	1.94	2.46	2.96
1944	972	644	1.80	20XL	1.273	36XL	2.292	1.42	.72	.46	....	....	....	....	2.13	2.65
1925	963	637	1.82	22XL	1.401	40XL	2.546	1.57	.79	.52	....	....	....	....	....	2.32
1925	963	637	1.82	11XL	.700	20XL	1.273	.79★	.39	.26	1.42‡	1.92‡	2.43†	2.93†	3.43†	3.94†
1909	955	633	1.83	24XL	1.528	44XL	2.801	1.71	.86	.56	....	....	....	....	....	....
1909	955	633	1.83	12XL	.764	22XL	1.401	.86	.43	.28	....	1.77†	2.27†	2.78†	3.28†	3.78†
1875	937	621	1.87	15XL	.955	28XL	1.783	1.07	.53	.36	....	....	1.80	2.31	2.82	3.32
1867	933	619	1.88	16XL	1.019	30XL	1.910	1.15	.58	.38	....	....	....	2.15	2.66	3.16
1838	919	609	1.90	21XL	1.337	40XL	2.546	1.49	.75	.50	....	....	....	....	....	2.37
1833	917	607	1.91	22XL	1.401	42XL	2.674	1.57	.79	.52	....	....	....	....	....	....
1833	917	607	1.91	11XL	.700	21XL	1.337	.79★	.39	.26	1.36‡	1.87‡	2.37‡	2.88†	3.38†	3.88†
1750	875	580	2.00	30XL	1.910	60XL	3.820	2.11	1.07	.71	....	....	....	....	....	....
1750	875	580	2.00	24XL	1.528	48XL	3.056	1.71	.86	.56	....	....	....	....	....	....
1750	875	580	2.00	22XL	1.401	44XL	2.801	1.57	.79	.52	....	....	....	....	....	....
1750	875	580	2.00	21XL	1.337	42XL	2.674	1.49	.75	.50	....	....	....	....	....	2.25
1750	875	580	2.00	20XL	1.273	40XL	2.546	1.42	.72	.46	....	....	....	....	....	2.41
1750	875	580	2.00	18XL	1.146	36XL	2.292	1.28	.64	.42	....	....	....	....	2.22	2.74
1750	875	580	2.00	16XL	1.019	32XL	2.037	1.15	.58	.38	....	....	....	2.03	2.54	3.05
1750	875	580	2.00	15XL	.955	30XL	1.910	1.07	.53	.36	....	....	1.68	2.19	2.70	3.21
1750	875	580	2.00	14XL	.891	28XL	1.783	1.00	.50	.33	....	....	1.84†	2.35	2.86	3.37
1750	875	580	2.00	12XL	.764	24XL	1.528	.86	.43	.28	....	1.65‡	2.16†	2.67†	3.17†	3.68†
1750	875	580	2.00	11XL	.700	22XL	1.401	.79★	.39	.26	1.30‡	1.81‡	2.32‡	2.82†	3.33†	3.83†
1670	835	554	2.10	21XL	1.337	44XL	2.801	1.49	.75	.50	....	....	....	....	....	....
1666	833	552	2.10	20XL	1.273	42XL	2.674	1.42	.72	.46	....	....	....	....	....	2.29
1641	820	544	2.13	15XL	.955	32XL	2.037	1.07	.53	.36	....	....	....	2.07	2.59	3.10
1833	817	542	2.14	28XL	1.783	60XL	3.820	1.98	1.00	.66	....	....	....	....	....	....
1833	817	542	2.14	14XL	.891	30XL	1.910	1.08	.50	.33	....	....	1.72†	2.24†	2.75	3.26
1604	802	532	2.18	22XL	1.401	48XL	3.056	1.57	.79	.52	....	....	....	....	....	....
1604	802	532	2.18	11XL	.700	24XL	1.528	.79★	.39	.26	....	1.69‡	2.21‡	2.71‡	3.22†	3.72†
1591	795	527	2.20	20XL	1.273	44XL	2.801	1.42	.72	.46	....	....	....	....	....	....
1575	788	523	2.22	18XL	1.146	40XL	2.546	1.28	.64	.42	....	....	....	....	....	2.50
1556	778	516	2.25	16XL	1.019	36XL	2.292	1.15	.58	.38	....	....	....	....	2.31	2.82

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡ See Teeth in Mesh table on opposite page.

♠ Flanges required on both pulleys.

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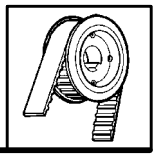


XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
.....	2.76	3.27	3.77	4.27	4.77	5.28	5.78	6.28	6.78	7.28	7.78	8.28	8.78	9.28
4.14	4.64	5.14	5.64	6.14	8.64	7.14	7.64	8.14	8.64	9.14	9.64	10.14	10.64	11.14
2.46	2.96	3.47	3.97	4.47	4.98	5.48	5.98	6.48	8.98	7.48	7.98	8.48	8.98	9.49
2.97	3.47	3.98	4.48	4.98	5.48	5.98	6.48	6.99	7.49	7.99	8.49	8.99	9.49	9.99
3.48	3.98	4.48	4.99	5.49	5.99	8.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49
3.99	4.49	4.99	5.49	5.99	8.49	6.99	7.49	7.99	8.49	8.99	9.49	9.99	10.49	10.99
4.24	4.74	5.24	5.74	6.24	8.74	7.24	7.74	8.24	8.74	9.24	9.74	10.24	10.74	11.24
4.49†	4.99†	5.49†	5.99†	6.49†	6.99†	7.49†	7.99†	8.49†	8.99†	9.49†	9.99†	10.49†	10.99†	11.49†
3.33	3.83	4.33	4.83	5.33	5.84	6.34	6.84	7.34	7.84	8.34	8.84	9.34	9.84	10.34
3.68	4.18	4.68	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69
.....	2.85	3.36	3.86	4.37	4.87	5.37	5.87	6.38	6.88	7.38	7.88	8.38	8.88	9.38
4.19	4.69	5.19	5.69	6.19	6.69	7.19	7.69	8.19	8.69	9.19	9.69	10.19	10.69	11.19
.....	.....	3.04	3.55	4.06	4.56	5.06	5.57	6.07	6.57	7.07	7.57	8.08	8.58	9.08
3.37	3.88	4.38	4.88	5.38	5.88	6.38	6.88	7.39	7.89	8.39	8.89	9.39	9.89	10.39♠
4.04	4.54	5.04	5.54	6.04	6.54	7.04	7.54	8.04	8.54	9.04	9.54	10.04	10.54	11.04
3.06	3.57	4.07	4.57	5.08	5.58	6.08	6.58	7.08	7.58	8.08	8.58	9.08	9.59	10.09
4.54†	5.04†	5.54†	6.04†	6.54†	7.04†	7.54†	8.04†	8.54†	9.04†	9.54†	10.04†	10.54†	11.04†	11.54†
2.75	3.26	3.76	4.27	4.77	5.27	5.77	6.27	6.78	7.28	7.78	8.28	8.78	9.28	9.78
3.58	4.08	4.58	5.08	5.58	6.08	6.58	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59
4.39†	4.89†	5.39†	5.89†	6.39†	6.89†	7.39†	7.89†	8.39†	8.89†	9.39†	9.89†	10.39†	10.89†	11.39†
.....	.....	3.13	3.64	4.15	4.65	5.16	5.66	6.16	6.67	7.17	7.67	8.17	8.67	9.17
3.11	3.61	4.12	4.62	5.12	5.83	6.13	6.63	7.13	7.63	8.13	8.83	9.13	9.63	10.13
4.08	4.58	5.09	5.59	6.09	6.59	7.09	7.59	8.09	8.59	9.09	9.59	10.09	10.59	11.09
2.63	3.14	3.65	4.16	4.66	5.16	5.67	6.17	6.67	7.17	7.67	8.18	8.68	9.18	9.68
3.78	4.28	4.78	5.28	5.78	6.28	6.78	7.29	7.79	8.29	8.79	9.29	9.79	10.29	10.79
4.34†	4.84†	5.34†	5.84†	6.34†	6.84†	7.34†	7.84†	8.34†	8.84†	9.34†	9.84†	10.34†	10.84†	11.34†
3.47	3.97	4.47	4.98	5.48	5.98	6.48	6.98	7.48	7.98	8.48	8.98	9.49♠	9.99♠	10.49♠
3.15	3.66	4.16	4.67	5.17	5.67	6.17	6.68	7.18	7.68	8.18	8.68	9.18	9.68	10.18
2.84	3.35	3.85	4.36	4.86	5.36	5.87	6.37	6.87	7.37	7.87	8.38	8.88	9.38	9.88
4.44†	4.94†	5.44†	5.94†	6.44†	6.94†	7.44†	7.94†	8.44†	8.94†	9.44†	9.94†	10.44†	10.94†	11.44†
2.51	3.03	3.54	4.05	4.55	5.06	5.56	6.06	6.56	7.07	7.57	8.07	8.57	9.07	9.57
4.28†	4.78†	5.29†	5.79†	6.29†	6.79†	7.29†	7.79†	8.29†	8.79†	9.29†	9.79†	10.29†	10.79†	11.29†
3.82	4.33	4.83	5.33	5.83	6.33	6.83	7.33	7.83	8.34	8.84	9.34	9.84	10.34	10.84
3.67	4.17	4.67	5.18	5.68	6.18	6.68	7.18	7.68	8.18	8.68	9.18	9.69	10.19	10.69
2.88	3.39	3.90	4.40	4.91	5.41	5.91	6.42	6.92	7.42	7.92	8.42	8.93	9.43	9.93
2.72	3.23	3.74	4.25	4.75	5.26	5.76	6.26	6.77	7.27	7.77	8.27	8.77	9.27	9.77
4.38†	4.89†	5.39†	5.89†	6.39†	6.89†	7.39†	7.89†	8.39†	8.89†	9.39†	9.89†	10.39†	10.89†	11.39†
.....	.....	.....	.....	3.36	3.88	4.39	4.90	5.41	5.92	6.42	6.93	7.43	7.94	8.44
.....	2.79	3.31	3.82	4.33	4.64	5.34	5.85	6.35	6.85	7.36	7.86	8.38	8.86	9.36
2.60	3.12	3.63	4.14	4.64	5.15	5.65	6.16	6.66	7.16	7.66	8.17	8.67	9.17	9.67
2.76	3.28	3.79	4.29	4.80	5.30	5.81	6.31	6.81	7.31	7.82	8.32	8.82	9.32	9.82
2.93	3.44	3.94	4.45	4.95	5.46	5.96	6.46	6.97	7.47	7.97	8.47	8.97	9.47	9.98
3.24	3.75	4.26	4.76	5.26	5.77	6.27	6.77	7.27	7.77	8.28	8.78	9.28♠	9.78♠	10.28♠
3.56	4.06	4.57	5.07	5.57	6.07	6.58	7.08	7.58	8.08	8.58♠	9.08♠	9.58♠	10.08♠	10.58♠
3.71	4.22	4.72	5.22	5.73	6.23	6.73	7.23	7.73	8.23	8.73	9.23	9.73	10.23	10.73
3.87	4.37	4.88	5.38	5.88	6.38	6.88	7.38	7.88	8.38	8.88	9.38	9.89	10.39	10.89
4.18†	4.68†	5.18†	5.68†	6.18†	6.68†	7.19†	7.69†	8.19†	8.69†	9.19†	9.69†	10.19†	10.69†	11.19†
4.33†	4.83†	5.33†	5.84†	6.34†	6.84†	7.34†	7.84†	8.34†	8.84†	9.34†	9.84†	10.34†	10.84†	11.34†
2.64	3.16	3.67	4.18	4.69	5.19	5.70	6.20	6.71	7.21	7.71	8.21	8.71	9.22	9.72
2.81	3.32	3.83	4.34	4.84	5.35	5.85	6.36	6.86	7.36	7.86	8.37	8.87	9.37	9.87
3.60	4.11	4.61	5.12	5.62	6.12	6.62	7.12	7.83	8.13♠	8.63♠	9.13♠	9.63♠	10.13♠	10.63♠
.....	.....	.....	.....	3.44	3.96	4.48	4.99	5.50	6.01	8.52	7.02	7.53	8.03	8.53
3.76	4.27	4.77	5.27	5.77	6.27	6.78	7.28	7.78	8.28	8.78	9.28	9.78	10.28	10.78
.....	2.88	3.39	3.91	4.42	4.93	5.43	5.94	6.44	6.95	7.45	7.95	8.45	8.96	9.46
4.23†	4.73†	5.23†	5.73†	6.23†	6.73†	7.23†	7.73†	8.24†	8.74†	9.24†	9.74†	10.24†	10.74†	11.24†
2.69	3.20	3.72	4.23	4.73	5.24	5.74	6.25	6.75	7.26	7.76	8.26	8.76	9.26	9.77
3.01	3.53	4.03	4.54	5.05	5.55	6.05	6.56	7.06	7.56	8.07	8.57	9.07	9.57♠	10.07♠
3.33	3.84	4.35	4.85	5.36	5.86	6.36	6.87	7.37	7.87	8.37♠	8.87♠	9.37♠	9.87♠	10.38♠

XL Belt Width Table

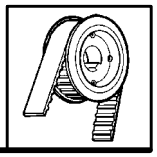
Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80			

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



XL Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	60XL	70XL	80XL	90XL	100XL	110XL
1531	766	508	2.29	21XL	1.337	48XL	3.056	1.49	.75	.50	....	....	....	....	....	....
1531	766	508	2.29	14XL	.891	32XL	2.037	1.00	.50	.33	....	....	....	2.12†	2.63†	3.14
1500	750	498	2.33	18XL	1.146	42XL	2.674	1.28	.64	.42	....	....	....	....	....	2.37
1500	750	498	2.33	12XL	.764	28XL	1.783	.86	.43	.28	....	....	1.93‡	2.44†	2.95†	3.46†
1458	729	483	2.40	30XL	1.910	72XL	4.584	2.11	1.07	.71	....	....	....	....	....	....
1458	729	483	2.40	20XL	1.273	48XL	3.056	1.42	.72	.46	....	....	....	....	....	....
1458	729	483	2.40	15XL	.955	36XL	2.292	1.07	.53	.36	....	....	....	....	2.35	2.87
1432	716	475	2.44	18XL	1.146	44XL	2.801	1.28	.64	.42	....	....	....	....	....	2.24
1400	700	464	2.50	24XL	1.528	60XL	3.820	1.71	.86	.56	....	....	....	....	....	....
1400	700	464	2.50	16XL	1.019	40XL	2.546	1.15	.58	.38	....	....	....	....	2.05	2.58
1400	700	464	2.50	12XL	.764	30XL	1.910	.86	.43	.28	....	....	1.80‡	2.32‡	....	3.35†
1375	688	456	2.55	11XL	.700	28XL	1.783	.79★	.39	.26	....	....	1.97‡	2.49‡	2.84†	3.50†
1361	681	451	2.57	28XL	1.783	72XL	4.584	1.98	1.00	.66	....	....	....	1.86†	3.00‡	2.91†
1361	681	451	2.57	14XL	.891	36XL	2.292	1.00	.50	.33	....	....	....	....	2.39†	2.45
1333	666	442	2.63	16XL	1.019	42XL	2.674	1.15	.58	.38	....	....	....	....	....	....
1312	656	435	2.67	18XL	1.146	48XL	3.056	1.28	.64	.42	....	....	....	....	....	....
1312	656	435	2.67	15XL	.955	40XL	2.546	1.07	.53	.36	....	....	....	....	2.09†	2.62†
1312	656	435	2.67	12XL	.764	32XL	2.037	.86	.43	.28	....	....	1.67‡	2. 20‡	2.72†	3.23†
1283	642	425	2.73	22XL	1.401	60XL	3.820	1.57	.79	.52	....	....	....	....	....	....
1283	642	425	2.73	11XL	.700	30XL	1.910	.79★	.39	.26	....	....	1.85‡	2.37‡	2.88‡	3.39‡
1273	638	422	2.75	16XL	1.019	44XL	2.801	1.15	.58	.38	....	....	....	....	....	2.32†
1250	625	414	2.80	15XL	.955	42XL	2.674	1.07	.53	.36	....	....	....	....	....	2.50†
1225	613	406	2.86	21XL	1.337	60XL	3.820	1.49	.75	.50	....	....	....	....	....	....
1225	613	406	2.86	14XL	.891	40XL	2.546	1.00	.50	.33	....	....	....	....	2.13†	2.67†
1203	601	399	2.91	11XL	.700	32XL	2.037	.79★	.39	.26	....	....	1.71§	2.25‡	2.78‡	3.28‡
1193	597	396	2.93	15XL	.955	44XL	2.801	1.07	.53	.36	....	....	....	....	....	2.36
1167	583	387	3.00	24XL	1.528	72XL	4.584	1.71	.86	.56	....	....	....	....	....	....
1167	583	387	3.00	20XL	1.273	60XL	3.820	1.42	.72	.46	....	....	....	....	....	....
1167	583	387	3.00	16XL	1.019	48XL	3.056	1.15	.58	.38	....	....	....	....	....	....
1167	583	387	3.00	14XL	.891	42XL	2.874	1.00	.50	.33	....	....	....	....	1.99‡	2.54†
1167	583	387	3.00	12XL	.764	36XL	2.292	.86	.43	.28	....	....	....	1.94‡	2.48‡	3.00‡
1114	557	370	3.14	14XL	.891	44XL	2.801	1.00	.50	.33	....	....	....	....	....	2.40‡
1094	547	363	3.20	15XL	.955	48XL	3.056	1.07	.53	.36	....	....	....	....	....	....
1089	535	355	3.27	22XL	1.401	72XL	4.584	1.57	.79	.52	....	....	....	....	....	....
1089	535	355	3.27	11XL	.700	36XL	2.292	.79★	.39	.26	....	....	....	1.98§	2.52‡	3.04‡
1050	525	348	3.33	18XL	1.146	60XL	3.820	1.28	.64	.42	....	....	....	....	....	....
1050	525	348	3.33	12XL	.764	40XL	2.546	.86	.43	.28	....	....	....	....	2.21‡	2.75‡
1021	510	338	3.43	21XL	1.337	72XL	4.584	1.49	.75	.50	....	....	....	....	....	....
1021	510	338	3.43	14XL	.891	48XL	3.056	1.00	.50	.33	....	....	....	....	....	....
1000	500	331	3.50	12XL	.764	42XL	2.874	.86	.43	.28	....	....	....	....	2.07‡	2.82‡
972	486	322	3.60	20XL	1.273	72XL	4.584	1.42	.72	.46	....	....	....	....	....	....
963	481	319	3.64	11XL	.700	40XL	2.546	.79★	.39	.26	....	....	....	....	2.25§	2.79‡
955	477	316	3.67	12XL	.784	44XL	2.801	.86	.43	.28	....	....	....	....	....	2.48‡
933	467	309	3.75	16XL	1.019	60XL	3.820	1.15	.58	.38	....	....	....	....	....	....
917	458	304	3.82	11XL	.700	42XL	2.674	.79	.39	.26	....	....	....	....	2.11§	2.66‡
875	438	290	4.00	18XL	1.146	72XL	4.584	1.28	.64	.42	....	....	....	....	....	....
875	438	290	4.00	15XL	.955	60XL	3.820	1.07	.53	.36	....	....	....	....	....	....
875	438	290	4.00	12XL	.764	48XL	3.056	.86	.43	.28	....	....	....	....	....	2.19§
875	438	290	4.00	11XL	.700	44XL	2.801	.79★	.39	.26	....	....	....	....	1.96§	2.52§
817	408	270	4.29	14XL	.891	60XL	3.820	1.00	.50	.33	....	....	....	....	....	....
802	401	266	4.36	11XL	.700	48XL	3.056	.79★	.39	.26	....	....	....	....	....	2.23§
778	389	258	4.50	16XL	1.019	72XL	4.584	1.15	.58	.38	....	....	....	....	....	....
730	365	242	4.80	15XL	.955	72XL	4.584	1.07	.53	.36	....	....	....	....	....	....
700	350	232	5.00	12XL	.764	60XL	3.820	.86	.43	.28	....	....	....	....	....	....
681	340	226	5.14	14XL	.891	72XL	4.584	1.00	.50	.33	....	....	....	....	....	....
642	321	213	5.45	11XL	.700	60XL	3.820	.79★	.39	.26	....	....	....	....	....	....
584	292	193	6.00	12XL	.764	72XL	4.584	.86	.43	.28	....	....	....	....	....	....
535	267	177	6.55	11XL	.700	72XL	4.584	.79★	.39	.26	....	....	....	....	....	....

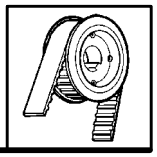
▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10–17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡§ See Teeth in Mesh table on opposite page.

♠ Flanges required on both pulleys.

DODGE®



XL Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

120XL	130XL	140XL	150XL	160XL	170XL	180XL	190XL	200XL	210XL	220XL	230XL	240XL	250XL	260XL
2.39	2.92	3.44	3.95	4.46	4.97	5.48	5.98	6.49	6.99	7.50	8.00	8.50	9.00	9.51
3.65	4.16	4.66	5.16	5.67	6.17	6.67	7.17♠	7.67♠	8.18♠	8.68♠	9.18♠	9.68♠	10.18♠	10.68♠
2.89	3.41	3.92	4.43	4.94	5.44	5.95	6.45	6.95	7.46	7.96	8.46	8.96	9.46♠	9. 97♠
3.96†	4.47†	4.97†	5.47†	5.97†	6.48†	8.98†	7.48†	7.98†	8.48†	8.98†	9.48†	9.98†	10.48†	10.98†
....	....	....	....	....	....	3.65	4.18	4.70	5.22	5.74	6.25	6.76	7.27	7.78
2.43	2.96	3.48	4.00	4.51	5.02	5.52	6.03	6.53	7.00	7.54	8.05	8.55	9.05	9.55
3.38	3.89	4.39	4.90	5.40	5.91	8.41	6.91	7.42	7.92♠	8.42♠	8.92♠	9.42♠	9.92♠	10.42♠
2.77	3.29	3.81	4.32	4.82	5.33	5.84	6.34	6.85	7.35	7.85	8.35	8.86	9.36♠	9. 86♠
....	....	....	3.08	3.61	4.14	4.65	5.17	5.68	6.19	6.70	7.20	7.71	8.22	8.72
3.10	3.61	4.12	4.63	5.14	5.64	6.15	6.65	7.15	7.66	8.16♠	8.66♠	9.16♠	9.67♠	10.17♠
3.85†	4.36†	4.86†	5.36†	5.87†	6.37†	6.87†	7.37†	7.87†	8.38†	8.88†	9.38†	9.88†	10.38†	10.88†
4.01†	4.51†	5.02†	5.52†	6.02†	6.52†	7.02†	7.53†	8.03†	8.53†	9.03†	9.53†	10.03†	10.53†	11.03†
....	....	....	....	....	....	3.73	4.26	4.79	5.31	5.83	6.34	6.85	7.36	7.87
3.42	3.93	4.44	4.95	5.45	5.95	6.46	6.96	7.46♠	7.96♠	8.47♠	8.97♠	9.47♠	9.97♠	10.47♠
2.98	3.50	4.01	4.52	5.03	5.53	6.04	8.54	7.05	7.55	8.05	8.56♠	9.06♠	9.56♠	10.06♠
2.51	3.04	3.57	4.08	4.60	5.11	5.61	6.12	6.63	7.13	7.64	8.14	8.64	9.15	9.65♠
3.14	3.66	4.17	4.68	5.18	5.69	6.19	6.70	7.20♠	7.70♠	8.21♠	8.71♠	9.21♠	9.71♠	10.21♠
3.74†	4.25†	4.75†	5.26†	5.76†	6.26†♠	6.77†♠	7.27†♠	7.77†♠	8.27†♠	8.77†♠	9.27†♠	9.77†♠	10.28†♠	10.78†♠
....	....	....	3.16	3.70	4.22	4.74	5.26	5.77	6.28	6.79	7.30	7.80	8.31	8.81
3.90‡	4.40†	4.91†	5.41†	5.91†	6.42†	6.92†	7.42†	7.92†	8.42†	8.93†	9.43†	9.93†	10.43†	10.93†
2.86	3.38	3.89	4.41	4.91	5.42	5.93	6.43	6.94	7.44	7.95	8.45♠	8.95♠	9.45♠	9.96♠
3.02	3.54	4.05	4.56	5.07	5.58	8.06	6.59	7.09	7.60	8.10♠	8.60♠	9.11♠	9.61♠	10.11♠
....	....	....	3.20	3.74	4.26	4.78	5.30	5.81	6.32	8.83	7.34	7.85	8.35	8.86
3.19†	3.70†	4.21	4.72	5.23	5.74	6.24	6.74	7.25♠	7.75♠	8.25♠	8.76♠	9.26♠	9.78♠	10.26♠
3.79‡	4.29‡	4.80†	5.30†	5.81†♠	6.31†♠	6.81†♠	7.31†♠	7.82†♠	8.32†♠	8.82†♠	9.32†♠	9.82†♠	10.32†♠	10.82†♠
2.90	3.42	3.94	4.45	4.96	5.47	5.97	6.48	6.98	7.49	7.99♠	8.50♠	9.00♠	9.50♠	10.00♠
....	....	....	....	....	3.34	3.89	4.43	4.96	5.48	6.00	6.52	7.03	7.54	8.05
....	....	....	3.24	3.78	4.31	4.83	5.34	5.86	6.37	6.88	7.39	7.89	8.40	8.90
2.59‡	3.13	3.65	4.17	4.68	5.20	5.70	6.21	6.72	7.22	7.73	8.23♠	8.74♠	9.24♠	9.74♠
3.07‡	3.58†	4.10†	4.61	5.12	5.62	6.13	6.64	7.14♠	7.64♠	8.15♠	8.65♠	9.15♠	9.65♠	10.16♠
3.51‡	4.02†	4.53†	5.04†	5.54†	6.05†	6.55†♠	7.05†♠	7.56†♠	8.06†♠	8.56†♠	9.06†♠	9.57†♠	10.07†♠	10.57†♠
2.94†	3.46†	3.98‡	4.49	5.00	5.51	6.02	6.53	7.03	7.53♠	8.04♠	8.54♠	9.05♠	9.55♠	10.05♠
2.63†	3.17‡	3.70	4.21	4.73	5.24	5.75	6.26	6.76	7.27	7.77♠	8.26♠	8.78♠	9.29♠	9.79♠
....	....	....	....	....	3.42	3.97	4.51	5.04	5.57	6.09	6.60	7.12	7.83	8.14
3.56‡	4.07‡	4.58‡	5.08‡	5.59‡	6.09†♠	6.60†♠	7.10†♠	7.60†♠	8.11†♠	8.61†♠	9.11†♠	9.61†♠	10.11†♠	10.62†♠
	....	2.77	3.32	3.86	4.39	4.91	5.43	5.94	6.46	6.97	7.48	7.98	8.49	9.00
3.27‡	3.79†	4.30‡	4.81†	5.32†	5.83†	6.33†♠	6.84†♠	7.34†♠	7.84†♠	8.35†♠	8.85†♠	9.35†♠	9.86†♠	10.36†♠
....	....	....	....	....	3.46	4.01	4.55	5.08	5.61	6.13	6.65	7.16	7.67	8.18
2.67‡	3.21†	3.74†	4.26†	4.77†	5.28	5.79	6.30	6.81	7.32♠	7.82♠	8.33♠	8.83♠	9.33♠	9.84♠
3.15‡	3.67‡	4.19†	4.70†	5.21 †	5.72†	6.22†♠	6.73†♠	7.23†♠	7.74†♠	8.24†♠	8.74†♠	9.25†♠	9.75†♠	10.25†♠
....	....	....	....	....	3.50	4.05	4.59	5.13	5.65	6.17	6.69	7.20	7.72	8.23
3.32‡	3.83‡	4.35‡	4.86‡	5.37‡	5.87‡♠	6.38‡♠	6.88†♠	7.39†♠	7.89†♠	8.39†♠	8.90†♠	9.40†♠	9.90†♠	10.40†♠
3.02‡	3.55‡	4.07‡	4.58†	5.09†	5.60†	6.11‡	6.62†♠	7.12†♠	7.63†♠	8.13†♠	8.64†♠	9.14†♠	9.64†♠	10.14†♠
....	...	2.84‡	3.40‡	3.94	4.47	5.00	5.52	6.03	6.55	7.06	7.57	8.07	8.55♠	9.09♠
3.19‡	3.71‡	4.23‡	4.74‡	5.25‡	5.76‡	6.27♠	6.77‡♠	7.28‡♠	7.78†♠	8.29†♠	8.79†♠	9.29†♠	9.80†♠	10.30†♠
....	....	....	....	....	3.57	4.13	4.68	5.21	5.74	6.26	6.78	7.29	7.81	8.32
....	....	2.88‡	3.44‡	3.99‡	4.52†	5.04	5.56	6.08	8.59	7.10	7.61	8.12♠	8.63♠	9.13♠
2.75‡	3.29‡	3.82‡	4.34‡	4.86‡	5.37‡	5.88‡	6.39†♠	6.90‡♠	7.41†♠	7.91†♠	8.42†♠	8.92†♠	9.43†♠	9.93‡
3.06‡	3.59‡	4.11‡	4.63‡	5.14‡	5.65‡♠	6.16‡♠	6.66‡♠	7.17‡♠	7.67‡♠	8.18‡♠	8.68†♠	9.19†♠	9.69†♠	10.19†♠
	....	2.92‡	3.48‡	4.03‡	4.56†	5.08†	5.60†	6.12†	6.63†	7.15♠	7.66♠	8.16♠	8.67♠	9.18♠
2.79§	3.34‡	3.86‡	4.39†	4.90‡	5.42‡	5.93‡♠	6.44‡♠	6.95‡♠	7.45‡♠	7.96‡♠	8.46♠	8.97‡♠	9.47†♠	9.98†♠
....	....	....	....	3.06‡	3.65†	4.21†	4.76†	5.29	5.82	6.34	6.86	7.38	7.89	8.41♠
....	....	....	....	3.10‡	3.69‡	4.25†	4.80†	5.33†	5.86†	6.39	6.91	7.42	7.94♠	8.45♠
....	....	3.00	3.56‡	4.11‡	4.64‡	5.17‡	5.69‡	6.21‡♠	6.72†♠	7.23‡♠	7.74†♠	5.25†♠	8.76‡♠	9.27†♠
....	....	....	....	3.14‡	3.73‡	4.29‡	4.84†	5.38‡	5.90†	8.43‡	8.95†	7.47†♠	7.98†♠	8.49†♠
....	....	3.04§	3.60§	4.15‡	4.68‡	5.21‡	5.73‡♠	6.25‡♠	6.77‡♠	7.28‡♠	7.79‡♠	8.30‡♠	8.81‡♠	9.31‡♠
....	....	....	....	3.21§	3.81§	4.37‡	4.92‡	5.46‡	5.99‡	6.51‡♠	7.03‡♠	7.55‡♠	8.07‡♠	8.58‡♠
....	....	....	....	3.25§	3.84§	4.41§	4.96§	5.50‡	6.03‡♠	6.56‡♠	7.08‡♠	7.60‡♠	8.11‡♠	8.63‡♠

XL Belt Width Table

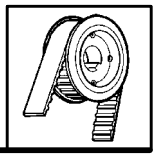
Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80	§	3	.40

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



L Stock Drive Selections

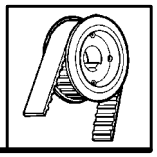
Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
3500	1750	1160	1.00	48L	5.730	48L	5.730	6.27	4.06	2.81	....	....	....	....	....	....
3500	1750	1160	1.00	40L	4.775	40L	4.775	5.87	3.47	2.36	....	....	....	....	....	....
3500	1750	1160	1.00	32L	3.820	32L	3.820	5.10	2.83	1.91	....	....	....	4.51	5.26	6.01
3500	1750	1160	1.00	30L	3.581	30L	3.581	4.86	2.66	1.79	....	....	....	4.88	5.63	6.38
3500	1750	1160	1.00	28L	3.342	28L	3.342	4.71	2.49	1.67	....	....	4.13	5.26	6.01	6.76
3500	1750	1160	1.00	26L	3.104	26L	3.104	4.35	2.32	1.56	....	....	4.51	5.83	6.38	7.13
3500	1750	1160	1.00	24L	2.865	24L	2.865	4.06	2.15	1.44	....	....	4.88	6.01	6.76	7.51
3500	1750	1160	1.00	22L	2.626	22L	2.626	3.77	1.98	1.32	....	3.38	5.26	6.39	7.13	7.89
3500	1750	1160	1.00	20L	2.387	20L	2.387	3.46	1.80	1.20	....	3.76	5.63	6.76	7.51	8.26
3500	1750	1160	1.00	18L	2.149	18L	2.149	3.15	1.62	1.08	2.82	4.13	6.01	7.14	7.89	8.64
3500	1750	1160	1.00	16L	1.910	16L	1.910	2.83	1.45	.97	3.20	4.51	6.39	7.51	8.26	9.01
3500	1750	1160	1.00	14L	1.671	14L	1.671	2.49★	1.27	.85	3.57	4.89	6.76	7.89	8.64	9.39
....	1750	1160	1.00	12L	1.432	12L	1.432	....	1.09★	.72	3.95	5.26	7.14	8.26	9.01	9.76
....	1750	1160	1.00	10L	1.194	10L	1.194	....	.91★	.60★	4.32†	5.64†	7.51★	8.64†	9.39†	10.14†
3281	1641	1087	1.07	30L	3.581	32L	3.820	4.86	2.66	1.79	....	....	....	4.69	5.44	6.19
3267	1633	1083	1.07	28L	3.342	30L	3.581	4.61	2.49	1.67	....	....	3.94	5.07	5.82	6.57
3250	1625	1077	1.08	26L	3.104	28L	3.342	4.35	2.32	1.56	....	....	4.32	5.44	6.19	6.95
3231	1615	1071	1.08	24L	2.865	26L	3.104	4.06	2.15	1.44	....	....	4.69	5.82	6.57	7.32
3208	1604	1063	1.09	22L	2.626	24L	2.865	3.77	1.98	1.32	....	....	5.07	6.20	6.95	7.70
3182	1591	1055	1.10	20L	2.387	22L	2.626	3.46	1.80	1.20	....	3.57	5.45	6.57	7.32	8.07
3150	1575	1044	1.11	18L	2.149	20L	2.387	3.15	1.62	1.08	....	3.94	5.82	6.95	7.70	8.45
3111	1556	1031	1.13	16L	1.910	18L	2.149	2.83	1.45	.97	....	4.32	6.20	7.32	8.07	8.82
3063	1531	1015	1.14	28L	3.342	32L	3.820	4.61	2.49	1.67	....	....	....	4.88	5.63	6.38
3036	1531	1015	1.14	14L	1.671	16L	1.910	2.49★	1.27	.85	3.38	4.70	6.57	7.70	8.45	9.20
3033	1517	1005	1.15	26L	3.104	30L	3.581	4.35	2.32	1.56	....	....	4.12	5.25	6.00	6.75
3000	1500	994	1.17	24L	2.865	28L	3.342	4.06	2.15	1.44	....	....	4.50	5.63	6.38	7.13
....	1500	994	1.17	12L	1.432	14L	1.671	....	1.09★	.72	3.76†	5.07†	6.95†	8.07†	8.83†	9.57★
2962	1481	982	1.18	22L	2.626	26L	3.104	3.77	1.62	1.32	....	....	4.88	6.00	6.76	7.51
2917	1458	967	1.20	40L	4.775	48L	5.730	5.87	3.47	2.36	....	....	....	....	....	....
2917	1458	967	1.20	20L	2.387	24L	2.865	3.46	1.80	1.20	....	3.37	5.25	6.38	7.13	7.88
....	1458	967	1.20	10L	1.194	12L	1.432	....	.91★	.60★	4.13‡	5.45‡	7.32‡	8.45‡	9.20‡	9.95‡
2864	1432	949	1.22	18L	2.149	22L	2.626	3.15	1.62	1.08	....	3.75	5.63	6.76	7.51	8.26
2844	1422	943	1.23	26L	3.104	32L	3.820	4.35	2.32	1.56	....	....	....	5.06	5.81	6.56
2800	1400	928	1.25	48L	5.730	60L	7.162	6.27	4.06	2.81	....	....	....	....	....	....
2800	1400	928	1.25	32L	3.820	40L	4.775	5.10	2.83	1.91	....	....	....	....	....	5.29
2800	1400	928	1.25	24L	2.865	30L	3.581	4.06	2.15	1.44	....	....	4.31	5.43	6.19	6.94
2800	1400	928	1.25	16L	1.910	20L	2.387	2.83	1.45	.97	2.81	4.13	6.01	7.13	7.88	8.63
2750	1375	911	1.27	22L	2.626	28L	3.342	3.77	1.98	1.32	....	....	....	5.81	6.56	7.31
2722	1361	902	1.29	14L	1.671	18L	2.149	2.49★	1.27	.85	3.19	4.50	6.38	7.51	8.26	9.01
2692	1346	892	1.30	20L	2.387	26L	3.104	3.46	1.80	1.20	....	....	5.06	6.19	6.94	7.69
2625	1313	870	1.33	30L	3.581	40L	4.775	4.86	2.66	1.79	....	....	....	....	4.66	5.41
2625	1313	870	1.33	24L	2.865	32L	3.820	4.06	2.15	1.44	....	....	4.10	5.24	5.99	6.74
2625	1313	870	1.33	18L	2.149	24L	2.865	3.15	1.62	1.08	3.56†	3.55	5.44	6.56	7.31	8.06
....	1313	870	1.33	12L	1.432	16L	1.910	....	1.09★	.72	....	4.88†	6.76†	7.88†	8.63†	9.38†
2567	1283	851	1.36	22L	2.626	30L	3.581	3.77	1.98	1.32	....	....	4.48	5.61	6.37	7.12
2545	1273	844	1.38	16L	1.910	22L	2.626	2.83	1.45	.97	2.61	3.93	5.81	6.94	7.69	8.44
2500	1250	829	1.40	20L	2.387	28L	3.342	3.46	1.80	1.20	....	....	4.86	5.99	6.74	7.49
....	1250	829	1.40	10L	1.194	14L	1.671	....	.91★	.60★	3.94‡	5.26‡	7.13‡	8.26‡	9.01‡	9.76‡
2450	1225	812	1.43	28L	3.342	40L	4.775	4.61	2.49	1.67	....	....	....	....	4.83	5.59
2450	1225	812	1.43	14L	1.671	20L	2.387	2.49★	1.27	.85	2.99	4.31	6.19	7.32	8.07	8.82

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡ See Teeth in Mesh table on opposite page.

DODGE®



L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
.....	.....	.....	.....	7.13	8.26	9.38	10.51	12.01	13.51	15.01	16.51	18.01	21.01
5.26	6.01	6.76	7.51	8.63	9.76	10.88	12.01	13.51	15.01	16.51	18.01	19.51	22.51
6.76	7.51	8.26	9.01	10.14	11.26	12.39	13.51	15.01	16.51	18.01	19.51	21.01	24.01
7.13	7.88	8.63	9.39	10.51	11.64	12.76	13.89	15.39	16.89	18.39	19.89	21.39	24.39
7.51	5.26	9.01	9.76	10.89	12.01	13.14	14.26	15.76	17.26	18.76	20.26	21.76	24.76
7.88	8.63	9.39	10.14	11.26	12.39	13.51	14.64	16.14	17.64	19.14	20.64	22.14	25.14
8.26	9.01	9.76	10.51	11.64	12.76	13.89	15.01	16.51	18.01	19.51	21.01	22.51	25.50
8.64	9.39	10.14	10.89	12.01	13.14	14.26	15.39	16.89	18.39	19.89	21.39	22.89	25.89
9.01	9.76	10.51	11.26	12.39	13.51	14.64	15.76	17.26	18.76	20.26	21.76	23.26	26.26
9.39	10.14	10.89	11.64	12.76	13.89	15.01	16.14	17.64	19.14	20.64	22.14	23.64	26.64
9.76	10.51	11.26	12.01	13.14	14.26	15.39	16.51	18.01	19.51	21.01	22.51	24.01	27.01
10.14	10.89	11.64	12.39	13.51	14.64	15.76	16.89	19.89	19.89	21.39	22.89	24.39	27.39
10.51	11.26	12.01	12.76	13.89	15.01	16.14	17.26	18.40	20.26	21.76	23.26	24.76	27.76
10.89†	11.64†	12.39†	13.14†	14.26†	15.39†	16.51†	17.64†	19.14†	20.64†	22.14†	23.64†	25.14†	28.14†
6.94	7.69	8.45	9.20	10.32	11.47	12.57	13.70	15.20	16.70	18.20	19.70	21.20	24.20
7.32	8.07	8.82	9.57	10.70	11.82	12.95	14.07	15.57	17.07	18.57	20.07	21.57	24.57
7.70	8.45	9.20	9.95	11.07	12.20	13.32	14.45	15.95	17.45	18.95	20.45	21.95	24.95
8.07	8.82	9.57	10.32	11.45	12.57	13.70	14.82	16.33	17.82	19.32	20.82	22.33	25.33
8.45	9.20	9.95	10.70	11.82	12.95	14.07	15.20	16.70	18.20	19.70	21.20	22.70	25.70
8.82	9.57	10.32	11.07	12.20	13.33	14.45	15.58	17.07	18.57	20.08	21.58	23.08	26.08
9.20	9.95	10.70	11.45	12.57	13.70	14.82	15.95	17.45	18.95	20.45	21.95	23.45	26.45
9.57	10.32	11.07	11.83	12.95	14.07	15.20	16.33	17.83	19.32	20.82	22.33	23.83	26.83
7.13	7.88	8.63	9.38	10.51	11.63	12.76	13.88	15.38	16.89	18.39	19.89	21.39	24.39
9.95	10.70	11.45	12.20	13.33	14.45	15.58	16.70	18.20	19.70	21.20	22.70	24.20	27.20
7.51	8.26	9.01	9.76	10.88	12.01	13.14	14.26	15.76	17.26	18.76	20.26	21.76	24.76
7.88	8.63	9.38	10.13	11.26	12.38	13.51	14.64	16.13	17.64	19.13	20.64	22.14	25.14
10.32†	11.07†	11.83†	12.58†	13.70†	14.83†	15.95†	17.08†	18.57†	20.08†	21.58†	23.08†	24.58†	27.58
8.26	9.01	9.76	10.51	11.63	12.76	13.88	15.01	16.51	18.01	19.51	21.01	22.51	25.51
.....	.....	5.99	6.74	7.87	9.00	10.12	11.25	12.75	14.25	15.75	17.25	18.76	21.76
8.63	9.38	10.13	10.88	12.01	13.13	14.26	15.38	16.89	18.39	19.89	21.39	22.89	25.89
10.70‡	11.45‡	12.20‡	12.95‡	14.08‡	15.20‡	16.33‡	17.45‡	18.95‡	20.45‡	21.95‡	23.45‡	24.95‡	27.95‡
9.01	9.76	10.51	11.26	12.39	13.51	14.64	15.76	17.26	18.76	20.26	21.76	23.36	26.26
7.31	8.06	8.81	9.57	10.69	11.82	12.94	14.11	15.57	17.07	18.57	20.07	21.57	24.57
.....	.....	.....	.....	.....	7.45	8.58	9.36	10.86	12.36	13.87	15.37	16.87	19.87
5.99	6.74	7.49	8.25	9.37	10.50	11.62	12.75	14.25	15.75	17.26	18.76	20.26	23.26
7.69	8.44	9.19	9.04	11.07	12.19	13.32	14.44	15.94	17.45	18.95	20.45	21.95	24.95
9.38	10.13	10.88	11.64	12.76	13.89	15.01	16.13	17.64	19.14	20.64	22.14	23.64	26.64
8.06	8.81	9.57	10.32	11.44	12.57	13.69	14.82	16.32	17.82	19.32	20.82	22.32	25.32
9.76	10.51	11.26	12.01	13.14	14.26	15.39	16.51	18.01	19.51	21.01	22.51	24.01	27.01
8.44	9.19	9.94	10.69	11.82	12.94	14.11	15.20	16.70	18.20	19.70	21.20	22.70	25.70
6.17	6.92	7.67	8.43	9.55	10.68	11.81	12.93	14.44	15.94	17.44	18.94	20.44	23.44
7.49	8.25	9.00	9.75	10.88	12.00	13.13	14.25	15.75	17.26	18.76	20.26	21.76	24.76
8.82	9.57	10.32	11.07	12.19	13.32	14.45	15.57	17.07	18.57	20.07	21.57	23.07	26.07
10.13†	10.88†	11.64†	12.39†	13.51†	14.64†	15.76†	16.89†	18.39†	19.89†	21.39†	22.89†	24.39†	27.39†
7.87	8.62	9.37	10.13	11.25	12.38	13.50	14.63	16.13	17.63	19.13	20.63	22.13	25.13
9.19	9.94	10.69	11.44	12.57	13.70	14.82	15.95	17.45	18.95	20.45	21.95	23.45	26.45
8.25	9.00	9.75	10.50	11.63	12.75	13.88	15.00	16.51	18.01	19.51	21.01	22.51	25.51
10.51‡	11.26‡	12.01‡	12.76‡	13.89‡	15.01‡	16.14‡	17.26‡	18.76‡	20.26‡	21.77‡	23.36‡	24.76‡	27.76‡
6.34	7.10	7.85	8.60	9.73	10.86	11.99	13.12	14.62	16.12	17.62	19.12	20.63	23.63
9.57	10.32	11.07	11.82	12.95	14.11	15.20	16.32	17.82	19.32	20.82	22.32	23.82	26.82

L Belt Width Table

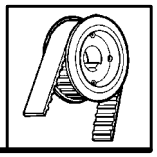
Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80			

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



L Stock Drive Selections

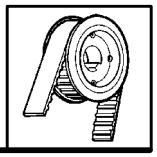
Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
2423	1212	803	1.44	18L	2.149	26L	3.104	3.15	1.62	1.08	....	....	5.24	6.37	7.12	7.87
2406	1203	798	1.45	22L	2.626	32L	3.820	3.77	1.98	1.32	....	....	4.28	5.41	6.17	6.92
2333	1167	733	1.50	48L	5.730	72L	8.594	6.27	4.06	2.81	....	....	....	....	....	....
2333	1167	733	1.50	40L	4.775	60L	7.162	5.87	3.47	2.36	....	....	....	....	....	....
2333	1167	733	1.50	32L	3.820	48L	5.730	5.10	2.83	1.91	....	....	....	....	....	....
2333	1167	733	1.50	20L	2.387	30L	3.581	3.46	1.80	1.20	....	....	4.66	5.79	6.54	7.30
2333	1167	733	1.50	16L	1.910	24L	2.865	2.83	1.45	.97	....	3.73	5.61	6.74	7.50	8.25
....	1167	733	1.50	12L	1.432	18L	2.149	....	1.09★	.72	3.36†	4.68†	6.56†	7.69†	8.44†	9.19†
2275	1138	754	1.54	26L	3.104	40L	4.775	4.35	2.32	1.56	....	....	....	4.24	5.00	5.76
2250	1125	746	1.56	18L	2.149	28L	3.342	3.15	1.62	1.08	....	....	5.04	6.07	6.92	7.67
2227	1114	738	1.57	14L	1.671	22L	2.626	2.49★	1.27	.85	2.78	4.11	5.99	7.12	7.87	8.62
2188	1094	725	1.60	30L	3.581	48L	5.730	4.86	2.66	1.79	....	....	....	....	....	....
2188	1094	725	1.60	20L	2.387	32L	3.820	3.46	1.80	1.20	....	....	4.45	5.59	6.34	7.10
....	1094	725	1.60	10L	1.194	16L	1.910	....	.91★	.60★	3.74‡	5.06‡	6.94‡	8.07‡	8.82‡	9.57‡
2154	1077	714	1.63	16L	1.910	26L	3.104	2.83	1.45	.97	....	3.52	5.41	6.55	7.30	8.05
2100	1050	696	1.67	24L	2.865	40L	4.775	4.06	2.15	1.44	....	....	....	4.40	5.17	5.93
2100	1050	696	1.67	18L	2.149	30L	3.581	3.15	1.62	1.08	....	2.92	4.83	5.97	6.72	7.48
....	1050	696	1.67	12L	1.432	20L	2.387	....	1.09★	.72	3.16†	4.48†	6.37†	7.50†	8.25†	9.00†
2042	1021	677	1.71	28L	3.342	48L	5.730	4.61	2.49	1.67	....	....	....	....	....	4.73
2042	1021	677	1.71	14L	1.671	24L	2.865	2.49★	1.27	.85	....	3.90	5.79	6.92	7.67	8.43
2000	1000	663	1.75	48L	5.730	84L	10.027	6.27	4.06	2.81	....	....	....	....	....	....
2000	1000	663	1.75	16L	1.910	28L	3.342	2.83	1.45	.97	....	....	5.21	6.34	7.10	7.85
1969	985	652	1.78	18L	2.149	32L	3.820	3.15	1.62	1.08	....	....	4.62	5.76	6.52	7.27
1944	972	644	1.80	40L	4.775	72L	8.594	5.87	3.47	2.36	....	....	....	....	....	....
....	972	644	1.80	10L	1.194	18L	2.149	....	.91★	.60★	3.54‡	4.86‡	6.74‡	7.87‡	8.62‡	9.38‡
1925	963	638	1.82	22L	2.626	40L	4.775	3.77	1.98	1.32	....	....	....	4.57	5.34	6.10
....	955	633	1.83	12L	1.432	22L	2.626	....	1.09★	.72	2.95†	4.28†	6.17†	7.50†	8.05†	8.80†
1896	948	628	1.85	26L	3.104	48L	5.730	4.35	2.32	1.56	....	....	....	....	....	4.89
1885	942	625	1.86	14L	1.671	26L	3.104	2.49★	1.27	.85	....	3.69	5.59	6.72	7.48	8.23
1867	933	619	1.88	32L	3.820	60L	7.162	5.10	2.83	1.91	....	....	....	....	....	....
1867	933	619	1.88	16L	1.910	30L	3.581	2.83	1.45	.97	....	....	5.00	6.14	6.90	7.65
1750	875	580	2.00	30L	3.581	60L	7.162	4.86	2.66	1.79	....	....	....	....	....	....
1750	875	580	2.00	24L	2.865	48L	5.730	4.06	2.15	1.44	....	....	....	....	....	5.05
1750	875	580	2.00	20L	2.387	40L	4.775	3.46	1.80	1.20	....	....	....	4.73	5.50	6.27
1750	875	580	2.00	16L	1.910	32L	3.820	2.83	1.45	.97	....	....	4.79	5.93	6.69	7.45
1750	875	580	2.00	14L	1.671	28L	3.342	2.49	1.27	.85	....	3.47	5.38	6.52	7.27	8.03
....	875	580	2.00	12L	1.432	24L	2.865	....	1.09★	.72	2.72†	4.07†	5.97†	7.10†	7.85†	8.61†
....	875	580	2.00	10L	1.194	20L	2.387	....	.91★	.60★	3.33‡	4.66‡	6.55‡	7.68‡	8.43‡	9.18‡
1667	833	552	2.10	40L	4.775	84L	10.027	5.87	3.47	2.36	....	....	....	....	....	....
1633	817	541	2.14	28L	3.342	60L	7.162	4.61	2.49	1.67	....	....	....	....	....	....
1633	817	541	2.14	14L	1.671	30L	3.581	2.49★	1.27	.85	....	3.24†	5.17	6.31	7.07	7.83
....	808	535	2.17	12L	1.432	26L	3.104	....	1.09★	.72	....	3.85†	5.76†	6.90†	7.65†	8.41†
1604	802	532	2.18	22L	2.626	48L	5.730	3.77	1.98	1.32	....	....	....	....	....	5.21
....	795	527	2.20	10L	1.194	22L	2.626	....	.91★	.60★	3.11‡	4.45‡	6.35‡	7.48‡	8.23‡	8.98‡
1575	788	522	2.22	18L	2.149	40L	4.775	3.15	1.62	1.08	....	....	....	4.89	5.67	6.44
1556	778	516	2.25	32L	3.820	72L	8.594	5.10	2.83	1.91	....	....	....	....	....	....
1531	766	507	2.29	14L	1.671	32L	3.820	2.49★	1.27	.85	....	....	4.95†	6.10	6.86	7.62
1517	758	503	2.31	26L	3.104	60L	7.162	4.35	2.32	1.56	....	....	....	....	....	....

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡ See Teeth in Mesh table on opposite page.

DODGE®



L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
8.62	9.37	10.13	10.88	12.00	13.13	14.25	15.38	16.88	18.38	19.88	21.38	22.88	25.88
7.67	8.43	9.18	9.93	11.06	12.18	13.31	14.44	15.94	17.44	18.94	20.44	21.94	24.94
....	....	....	....	....	....	....	8.13	9.65	11.17	12.68	14.19	15.69	18.70
....	....	....	....	6.65	7.79	8.93	10.06	11.57	13.08	14.59	16.09	17.60	20.60
5.17	5.93	6.69	7.45	8.58	9.71	10.84	11.97	13.48	14.98	16.48	17.99	19.49	22.49
8.05	8.80	9.55	10.31	11.43	12.56	13.69	14.81	16.31	17.81	19.32	20.82	22.32	25.32
9.00	9.75	10.50	11.24	12.38	13.50	14.63	15.76	17.26	18.76	20.26	21.76	23.26	26.26
9.94†	10.69†	11.44†	12.20†	13.32†	14.45†	15.57†	16.70†	18.20†	19.70†	21.20†	22.70†	24.20†	27.20†
6.52	7.27	8.03	8.78	9.91	11.04	12.17	13.30	14.80	16.30	17.80	19.31	20.81	23.81
8.43	9.18	9.93	10.68	11.81	12.94	14.06	15.19	16.69	18.19	19.69	21.19	22.69	25.69
9.37	10.13	10.88	11.63	12.75	13.88	15.00	16.13	17.63	19.13	20.63	22.13	23.63	26.63
5.34	6.10	6.86	7.62	8.75	9.89	11.02	12.15	13.66	15.16	16.66	18.17	19.67	22.67
7.85	8.60	9.36	10.11	11.24	12.37	13.49	14.62	16.12	17.62	19.12	20.63	22.13	25.13
10.32‡	11.07‡	11.82‡	12.57‡	13.70‡	14.82‡	15.95‡	17.07‡	18.57‡	20.07‡	21.57‡	23.07‡	24.57‡	27.57‡
8.80	9.55	10.31	11.06	12.19	13.31	14.44	15.56	17.06	18.56	20.07	21.57	23.07	26.07
6.69	7.45	8.20	8.96	10.09	11.22	12.35	13.48	14.98	16.48	17.99	19.49	20.99	23.99
8.23	8.98	9.73	10.49	11.61	12.74	13.87	14.99	16.50	18.00	19.50	21.00	22.50	25.50
9.75†	10.50†	11.25†	12.00†	13.13†	14.25†	15.38†	16.51†	18.01†	19.51†	21.01†	22.51†	24.01†	27.01†
5.50	6.27	7.03	7.79	8.93	10.06	11.20	12.33	13.83	15.34	16.84	18.35	19.85	22.86
9.18	9.93	10.68	11.43	12.56	13.69	14.81	15.94	17.44	18.94	20.44	21.94	23.44	26.44
....	....	....	....	....	....	....	....	8.35	9.90	11.43	12.96	14.47	17.50
8.61	9.36	10.11	16.86	11.99	13.12	14.24	15.37	16.87	18.37	19.88	21.38	22.88	25.88
8.03	8.78	9.53	10.29	11.42	12.55	13.67	14.80	16.30	17.80	19.31	20.81	22.31	25.31
....	....	....	....	....	....	7.64	8.80	10.33	11.85	13.37	14.89	16.40	19.42
10.13‡	10.88‡	11.63‡	12.38‡	13.51‡	14.63‡	15.76‡	16.88‡	18.38‡	19.88‡	21.38‡	22.88‡	24.38‡	27.39‡
6.86	7.62	8.38	9.13	10.27	11.40	12.53	13.66	15.16	16.66	18.17	19.67	21.17	24.18
9.56†	10.13†	11.06†	11.81†	12.94†	14.06†	15.19†	16.32†	17.82†	19.32†	20.82†	22.32†	23.82†	26.82†
5.67	6.43	7.20	7.96	9.10	10.24	11.37	12.50	14.01	15.52	17.02	18.53	20.03	23.04
8.98	9.73	10.49	11.24	12.37	13.49	14.62	15.75	17.25	18.75	20.25	21.75	23.25	26.25
....	....	....	6.15	7.32	8.47	9.61	10.75	12.27	13.78	15.29	16.80	18.31	21.32
8.41	9.16	9.91	10.67	11.80	12.92	14.05	15.18	16.68	18.18	19.68	21.18	22.68	25.69
....	....	....	6.31	7.48	8.63	9.78	10.92	12.44	13.96	15.47	16.98	18.49	21.50
5.83	6.60	7.37	8.13	9.27	10.41	11.55	12.68	14.19	15.70	17.20	18.71	20.21	23.22
7.03	7.79	8.55	9.31	10.44	11.57	12.70	13.83	15.34	16.84	18.35	19.85	21.35	24.36
8.20	8.96	9.71	10.47	11.60	12.73	13.85	14.98	16.48	17.99	19.49	29.99	22.49	25.50
8.78	9.54	10.29	11.04	12.17	13.30	14.43	15.55	17.05	18.56	20.06	21.56	23.06	26.06
9.36†	10.11†	10.86†	11.62†	12.74†	13.87†	15.00†	16.12†	17.62†	19.13†	20.63†	22.13†	23.62†	26.63†
9.93‡	10.68‡	11.43‡	12.19‡	13.31‡	14.44‡	15.56‡	16.69‡	18.19‡	19.69‡	21.19‡	22.69‡	24.19‡	27.20‡
....	....	....	....	....	....	....	....	9.00	10.55	12.10	13.63	15.16	18.19
....	....	5.68	6.47	7.64	8.80	9.95	11.69	12.61	14.13	15.64	17.15	18.66	21.68
8.58	9.34	10.09	10.85	11.97	13.10	14.23	15.36	16.86	18.36	19.86	21.37	22.87	25.87
9.16†	9.91†	10.67†	11.42†	12.55†	13.67†	14.80†	15.93†	17.43†	18.93†	20.43†	21.94†	23.44†	26.44†
5.99	6.77	7.54	8.30	9.44	10.58	11.72	12.85	14.36	15.87	17.38	18.89	20.39	23.40
9.74‡	10.49‡	11.24‡	11.99‡	13.12‡	14.24‡	15.37‡	16.50‡	18.00‡	19.50‡	21.00‡	22.50‡	24.00‡	27.01‡
7.20	7.96	8.72	9.48	10.62	11.75	12.88	14.01	15.52	17.02	18.53	20.03	21.53	24.54
....	....	....	....	....	7.10	8.29	9.45	11.00	12.53	14.06	15.58	17.09	20.12
8.38	9.13	9.89	10.64	11.77	12.90	14.03	15.16	16.67	18.17	19.67	21.17	22.68	25.68
....	....	5.84	6.63	7.80	8.97	10.12	11.26	12.79	14.30	15.82	17.33	18.84	21.85

L Belt Width Table

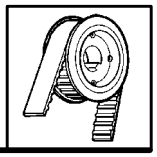
Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80			

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



L Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts					
				Driver		Driven										
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	124L	150L	187L	210L	225L	240L
....	750	497	2.33	12L	1.432	28L	3.342	....	1.09★	.72	....	3.63	5.55	6.69	7.45†	8.20†
1458	729	483	2.40	30L	3.581	72L	8.594	4.86	2.66	1.79	....	....	....	....	....	....
1458	729	483	2.40	20L	2.387	48L	5.730	3.46	1.80	1.20	....	....	....	....	4.57	5.37
....	729	483	2.40	10L	1.194	24L	2.865	....	.91★	.60★	2.89‡	4.24‡	6.14‡	7.28‡	8.03‡	8.78‡
1400	700	464	2.50	24L	2.865	60L	7.162	4.06	2.15	1.44	....	....	....	....	....	....
1400	700	464	2.50	16L	1.910	40L	4.775	2.83	1.45	.97	....	....	....	5.05	5.83	6.60
....	700	464	2.50	12L	1.432	30L	3.581	....	1.09★	.72	....	3.40‡	5.34†	6.43†	7.24†	8.00†
1361	681	451	2.57	28L	3.342	72L	8.594	4.61	2.49	1.67	....	....	....	....	....	....
....	673	446	2.60	10L	1.194	26L	3.104	....	.91★	.60★	2.64§	4.02‡	5.93‡	7.07‡	7.83‡	8.58‡
1333	667	442	2.63	32L	3.820	84L	10.027	5.10	2.83	1.91	....	....	....	....	....	....
1312	656	435	2.67	18L	2.149	48L	5.730	3.15	1.62	1.08	....	....	....	....	4.73	5.53
....	656	435	2.67	12L	1.432	32L	3.820	....	1.09★	.72	....	3.15†	5.12†	6.27†	7.03†	7.79†
1283	642	425	2.73	22L	2.626	60L	7.162	3.77	1.98	1.32	....	....	....	....	....	....
1264	632	419	2.77	26L	3.104	72L	8.594	4.35	2.32	1.56	....	....	....	....	....	....
1250	625	414	2.80	30L	3.581	84L	10.027	4.86	2.66	1.79	....	....	....	....	....	....
....	625	414	2.80	10L	1.194	28L	3.342	....	.91★	.60★	....	3.79‡	5.72‡	6.86‡	7.62‡	8.38‡
1225	613	406	2.86	14L	1.671	40L	4.775	2.49★	1.27	.85	....	....	....	5.21	5.99	6.77
1167	583	387	3.00	28L	3.342	84L	10.027	4.61	2.49	1.67	....	....	....	....	....	....
1167	583	387	3.00	24L	2.865	72L	8.594	4.06	2.15	1.44	....	....	....	....	....	....
1167	583	387	3.00	20L	2.387	60L	7.162	3.46	1.80	1.20	....	....	....	....	....	....
1167	583	387	3.00	16L	1.910	48L	5.730	2.83	1.45	.97	....	....	....	....	4.88	5.68
....	583	387	3.00	10L	1.194	30L	3.581	....	.91★	.60★	....	3.56§	5.50‡	6.65‡	7.41‡	8.17‡
....	547	363	3.20	10L	1.194	32L	3.820	....	.91★	.60★	....	3.30§	5.28‡	6.44‡	7.20‡	7.96‡
1684	542	359	3.23	26L	3.104	84L	10.027	4.35	2.32	1.56	....	....	....	....	....	....
1069	535	354	3.27	22L	2.626	72L	8.594	3.77	1.98	1.32	....	....	....	....	....	....
1050	525	348	3.33	18L	2.149	60L	7.162	3.15	1.62	1.08	....	....	....	....	....	....
....	525	348	3.33	12L	1.432	40L	4.775	....	1.09★	.72	....	....	4.17‡	5.37‡	6.15‡	6.93‡
1021	510	338	3.43	14L	1.671	48L	5.730	2.49★	1.27	.85	....	....	....	4.19‡	5.03†	5.84†
1000	500	331	3.50	24L	2.865	84L	10.027	4.06	2.15	1.44	....	....	....	....	....	....
972	486	322	3.60	20L	2.387	72L	8.594	3.46	1.80	1.20	....	....	....	....	....	....
933	467	309	3.75	16L	1.910	60L	7.162	2.83	1.45	.97	....	....	....	....	....	....
916	458	304	3.82	22L	2.626	84L	10.027	3.77	1.98	1.32	....	....	....	....	....	....
875	438	290	4.00	18L	2.149	72L	8.594	3.15	1.62	1.08	....	....	....	....	....	....
....	438	290	4.00	12L	1.432	48L	5.730	....	1.09★	.72	....	....	....	4.34‡	5.18‡	5.99‡
....	438	290	4.00	10L	1.194	40L	4.775	....	.91★	.60★	....		4.33§	5.53§	6.32‡	7.09‡
833	417	276	4.20	20L	2.387	84L	10.027	3.46	1.80	1.20	....	....	....	....	....	....
817	408	271	4.29	14L	1.671	60L	7.162	2.49★	1.27	.85	....	....	....	....	....	....
778	389	258	4.50	16L	1.910	72L	8.594	2.83	1.45	.97	....	....	....	....	....	....
749	375	248	4.67	18L	2.149	84L	10.027	3.15	1.62	1.08	....	....	....	....	....	....
....	365	242	4.80	10L	1.194	48L	5.730	....	.91★	.60★	....	....	....	4.48§	5.33§	6.15§
....	350	232	5.00	12L	1.432	60L	7.162	....	1.09★	.72	....	....	....	....	....	....
681	340	226	5.14	14L	1.671	72L	8.594	2.49★	1.27	.85	....	....	....	....	....	....
667	333	221	5.25	16L	1.671	84L	10.027	2.83	1.45	.97	....	....	....	....	....	....
583	292	193	6.00	14L	1.671	84L	10.027	2.49★	1.27	.85	....	....	....	....	....	....
....	292	193	6.00	12L	1.432	72L	8.594	....	1.09★	.72	....	....	....	....	....	....
....	292	193	6.00	10L	1.194	60L	7.162	....	.91★	.60★	....	....	....	....	....	4.38♣
....	250	166	7.00	12L	1.432	84L	10.027	....	1.09★	.72	....	....	....	....	....	....
....	243	161	7.20	10L	1.194	72L	8.594	....	.91★	.60★	....	....	....	....	....	....
....	208	138	8.40	10L	1.194	84L	10.027	....	.91★	.60★	....	....	....	....	....	....

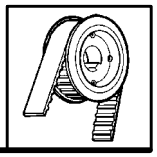
▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡§♣ See Teeth in Mesh table on opposite page.

♠ Flanges required on both pulleys.

DODGE®



L Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

255L	270L	285L	300L	322L	345L	367L	390L	420L	450L	480L	510L	540L	600L
8.96†	9.71†	10.47†	11.22†	12.35†	13.48†	14.61†	15.73†	17.24†	18.74†	20.24†	21.74†	23.24†	26.25†
....	....	....	....	....	7.26	8.44	9.62	11.16	12.70	14.23	15.75	17.27	20.29
6.15	6.93	7.70	8.47	9.61	10.75	11.89	13.03	14.54	16.05	17.56	19.06	20.57	23.58
9.54‡	10.29‡	11.04‡	11.80‡	12.92‡	14.05‡	15.18‡	16.30‡	17.81‡	19.31‡	20.81‡	22.31‡	23.81‡	26.81‡
....	....	5.99	6.79	7.97	9.13	10.28	11.43	12.96	14.48	15.99	17.50	19.01	22.03
7.37	8.13	8.89	9.65	10.79	11.92	13.06	14.19	15.70	17.20	18.71	20.21	21.72	24.72
8.76†	9.51†	10.27†	11.02†	12.15†	13.28†	14.41†	15.54†	17.04†	18.54†	20.05†	21.55†	23.05†	26.05†
....	....	....	...	6.19	7.41	8.60	9.78	11.33	12.86	14.39	15.92	17.44	20.47
9.34‡	10.09‡	10.85‡	11.60‡	12.73‡	13.85‡	14.98‡	16.11‡	17.61‡	19.11‡	20.62‡	22.12‡	23.62‡	26.62‡
....	....	....	....	....	....	....	8.02	9.63	11.20	12.75	14.30	15.83	18.88
6.31	7.09	7.87	8.64	9.78	10.92	12.06	13.20	14.72	16.23	17.73	19.24	20.75	23.76
8.55†	9.31†	10.07†	10.82†	11.95†	13.08†	14.21†	15.34†	16.85†	18.35†	19.85†	21.36†	22.86†	25.86†
....	5.33	6.15	6.95	8.13	9.29	10.45	11.60	13.18	14.65	16.16	17.68	19.19	22.21♠
....	....	....	....	6.34	7.56	8.76	9.94	11.49	13.03	14.56	16.09	17.61	20.64
....	....	....	....	....	....	....	8.17	9.78	11.36	12.92	14.46	16.00	19.05
9.14‡	9.89‡	10.65‡	11.40‡	12.53‡	13.66‡	14.79‡	15.91‡	17.42‡	18.92‡	20.42‡	21.92‡	23.43‡	26.43‡
7.54	8.30	9.06	9.83	10.96	12.10	13.23	14.36	15.87	17.38	18.89	20.39	21.89	24.90
....	....	....	....	....	....	7.08	8.33	9.94	11.52	13.08	14.63	16.16	19.22
....	....	....	....	6.49	7.72	8.92	10.10	11.65	13.20	14.73	16.26	17.78	20.81
....	5.48	6.30	7.10	8.29	9.46	10.61	11.77	13.29	14.82	16.34	17.85	19.36♠	22.38♠
6.47	7.26	8.03	8.80	9.95	11.10	12.24	13.37	14.89	16.40	17.91	19.42	20.93	23.94
8.93‡	9.69‡	10.44‡	11.20‡	12.33‡	13.46‡	14.59‡	15.72‡	17.22‡	18.73‡	20.23‡	21.73‡	23.23‡	26.24‡
8.72‡	9.48‡	10.24‡	11.00‡	12.13‡	13.26‡	14.39‡	15.52‡	17.02‡	18.53‡	20.03‡	21.54‡	23.04‡	26.04‡
....	....	....	....	....	....	7.22	8.48	10.10	11.68	13.24	14.79	16.33	19.39
....	....	....	....	6.64	7.87	9.07	10.26	11.82	13.36	14.90	16.43	17.95	20.99
....	5.62	6.45	7.26	8.45	9.62	10.78	11.93	13.46	14.99	16.51	18.02♠	19.54♠	22.56♠
7.70†	8.47†	9.23†	10.00†	11.14†	12.27†	13.40†	14.54†	16.05†	17.56†	19.06†	20.57†	22.08†	25.08†
6.63†	7.42†	8.19†	8.97†	10.12	11.26	12.41	13.55	15.06	16.57	18.08	19.59	21.10	24.11
....	....	....	....	....	....	7.37	8.63	10.25	11.84	13.40	14.95	16.49	19.56
....	....	....	....	6.78	8.02	9.23	10.42	11.98	13.53	15.06	16.59	18.12	21.16
4.91	5.77	6.60	7.41	8.60	9.78	10.94	12.10	13.63	15.16	16.68♠	18.20♠	19.71♠	22.73♠
....	....	....	....	....	....	7.51	8.78	10.40	12.00	13.56	15.12	16.66	19.18
....	....	....	5.61†	6.93	8.18	9.39	10.58	12.14	13.69	15.23	16.76	18.29♠	21.33♠
6.79‡	7.58‡	8.36‡	9.13†	10.28†	11.43†	12.58†	13.72†	15.23†	16.75†	18.25†	19.77†	21.28†	24.29†
7.87‡	8.64‡	9.40‡	10.17‡	11.31‡	12.44‡	13.58‡	14.72‡	16.23‡	17.73‡	19.24‡	20.75‡	22.25‡	25.26‡
....	....	....	....	....	....	7.66	8.93	10.56	12.15	13.72	15.28	16.82	19.89♠
5.05‡	5.92‡	6.75†	7.57†	8.76†	9.94†	11.11†	12.26†	13.80♠	15.33♠	16.85♠	18.37♠	19.83♠	22.91♠
....	....	....	5.75‡	7.08†	8.33†	9.54	10.73	12.30	13.85	15.40♠	16.93♠	18.46♠	21.50♠
....	....	....	....	....	6.45†	7.80†	9.08	10.71	12.31	13.88	15.44	16.99	20.06♠
6.95	7.74‡	8.52‡	9.29‡	10.45‡	11.60‡	12.75‡	13.89‡	15.41‡	16.92‡	18.44‡	19.95‡	21.46‡	24.47‡
5.19§	6.07‡	6.90‡	7.72‡	8.92‡	10.10‡	11.274	12.43†♠	13.97†♠	15.49†♠	17.02†♠	18.54†♠	20.06†♠	23.08†♠
....	....	....	5.89‡	7.22‡	8.48†	9.70†	10.89†	12.46†	14.02†♠	15.56†♠	17.10♠	18.63♠	21.67♠
....	....	....	....	....	6.58‡	7.94†	9.22†	10.87	12.47	14.04	15.60♠	17.15♠	20.23♠
....	....	....	....	....	6.72‡	8.09‡	9.37‡	11.02†	12.62†	14.20†♠	15.76†♠	17.32†♠	20.39♠
....	....	....	6.03§	7.37	8.63‡	9.85‡	11.05‡	12.62†♠	14.18†♠	15.73†♠	17.26†♠	18.79†♠	21.84†♠
5.33§	6.21§	7.05§	7.87§	9.08§	10.26†♠	11.43†♠	12.59†♠	14.13‡♠	15.66‡♠	17.19‡♠	18.71‡♠	20.23‡♠	23.26‡♠
....	....	....	....	....	6.86§	8.23§	9.52‡	11.17‡♠	12.78‡♠	14.36‡♠	15.93‡♠	17.48†♠	20.56†♠
....	....	....	6.17♣	7.51§	8.78§	10.00§♠	11.20§♠	12.78‡♠	14.34‡♠	15.89‡♠	17.43‡♠	18.96‡♠	22.01‡♠
....	....	....	....	....	7.00§	8.37§	9.67§♠	11.32§♠	12.93§♠	14.52‡♠	16.09‡♠	17.64‡♠	20.73‡♠

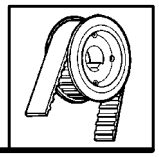
L Belt Width Table

Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80	§	3	.40
			♣	2	.20



H Stock Drive Selections

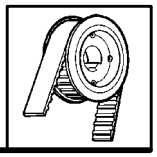
Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
....	1750	1160	1.00	48H	7.839	48H	7.639	....	13.84	9.55	....	....	....	....	....	....	9.01
3500	1750	1160	1.00	40H	6.366	40H	6.366	20.08	11.79	8.03	....	....	....	....	8.01	9.51	11.01
3500	1750	1160	1.00	32H	5.093	32H	5.093	17.40	9.60	6.48	....	5.51	7.01	8.51	10.01	11.51	13.01
3500	1750	1160	1.00	30H	4.775	30H	4.775	16.59	9.03	6.08	....	6.01	7.51	9.01	10.51	12.01	13.51
3500	1750	1160	1.00	28H	4.456	28H	4.456	15.74	8.46	5.68	5.01	6.51	8.01	9.51	11.01	12.51	14.01
3500	1750	1160	1.00	26H	4.138	26H	4.138	14.80	7.88	5.28	5.51	7.01	8.51	10.01	11.51	13.01	14.51
3500	1750	1160	1.00	24H	3.820	24H	3.820	13.82	7.30	4.89	6.01	7.51	9.01	10.51	12.01	13.51	15.01
3500	1750	1160	1.00	22H	3.501	22H	3.501	12.84	6.71	4.48	6.51	8.01	9.51	11.01	12.51	14.01	15.51
3500	1750	1160	1.00	20H	3.183	20H	3.183	11.77★	6.11	4.08	7.01	8.51	10.01	11.51	13.01	14.51	16.01
3500	1750	1160	1.00	18H	2.865	18H	2.865	10.71★	5.52★	3.68	7.51	9.01	10.51	12.01	13.51	15.01	16.51
....	1750	1160	1.00	16H	2.546	16H	2.546	....	4.91★	3.27★	8.01	9.51	11.01	12.51	14.01	15.51	17.01
....	....	1160	1.00	14H	2.228	14H	2.228	....	....	2.86★	8.51	10.01	11.51	13.01	14.51	16.01	17.51
3281	1641	1087	1.07	30H	4.775	32H	5.093	16.59	9.03	6.08	....	5.75	7.25	8.76	10.26	11.76	13.26
3267	1633	1083	1.07	28H	4.456	30H	4.775	15.74	8.46	5.68	....	6.25	7.26	9.26	10.76	12.26	13.76
3250	1625	1077	1.08	26H	4.138	28H	4.456	14.80	7.88	5.28	5.25	6.75	8.26	9.76	11.26	12.76	14.26
3231	1615	1071	1.08	24H	3.820	26H	4.138	13.82	7.30	4.89	5.76	7.26	8.76	10.26	11.76	13.26	14.76
3208	1604	1063	1.09	22H	3.501	24H	3.820	12.84	6.71	4.48	6.26	7.76	9.26	10.76	12.26	13.76	15.26
3182	1591	1055	1.10	20H	3.183	22H	3.501	11.77★	6.11	4.08	6.76	8.26	9.76	11.26	12.76	14.26	15.75
3150	1575	1044	1.11	18H	2.865	20H	3.183	10.71★	5.52★	3.68	7.26	8.76	10.26	11.76	13.26	14.76	16.26
....	1556	1031	1.13	16H	2.546	18H	2.865	....	4.91★	3.27★	7.76	9.26	10.76	12.26	13.76	15.26	16.76
3063	1531	1015	1.14	28H	4.456	32H	5.093	15.74	8.46	5.68	....	6.00	7.50	9.00	10.50	12.01	13.51
....	....	1015	1.14	14H	2.228	16H	2.546	....	....	2.86★	8.26	9.76	11.26	12.76	14.26	15.76	17.26
3033	1517	1005	1.15	26H	4.138	30H	4.775	14.80	7.88	5.28	5.00	6.50	8.00	9.50	11.00	12.51	14.01
3000	1500	994	1.17	24H	3.820	28H	4.456	13.82	7.30	4.89	5.50	7.00	8.50	10.00	11.50	13.01	14.51
2962	1481	982	1.18	22H	3.501	26H	4.138	12.84	6.71	4.48	6.00	7.50	9.00	10.50	12.01	13.50	15.01
2917	1458	967	1.20	40H	6.366	48H	7.639	20.08	11.79	8.03	....	....	....	....	....	8.48	9.99
2917	1458	967	1.20	20H	3.183	24H	3.820	11.77★	6.11	4.08	6.50	8.00	9.50	11.00	12.51	14.01	15.51
2864	1432	949	1.22	18H	2.865	22H	3.501	10.71★	5.52★	3.68	7.01	8.50	10.00	11.51	13.01	14.51	16.01
2844	1422	943	1.23	26H	4.138	32H	5.093	14.80	7.88	5.28	....	6.24	7.74	9.24	10.75	12.25	13.75
....	1400	928	1.25	48H	7.639	60H	9.549	....	13.84	9.55	....	....	....	....	....	....	....
2800	1400	928	1.25	32H	5.093	40H	6.366	17.40	9.60	6.48	....	....	....	7.43	8.98	10.49	11.99
2800	1400	928	1.25	24H	3.820	30H	4.775	13.82	7.30	4.89	5.24	6.40	8.24	9.75	11.25	12.75	14.25
....	1400	928	1.25	16H	2.546	20H	3.183	....	4.91★	3.27★	7.50	9.00	10.50	12.01	13.51	15.01	16.51
2750	1375	911	1.27	22H	3.501	28H	4.456	12.84	6.71	4.48	5.74	7.24	8.74	10.25	11.75	13.25	14.75
....	....	902	1.29	14H	2.228	18H	2.865	....	....	2.86★	8.00	9.50	11.01	12.51	14.01	15.51	17.02
2692	1346	892	1.30	20H	3.183	26H	4.138	11.77★	6.11	4.08	6.24	7.74	9.25	10.75	12.25	13.75	15.26
2625	1313	870	1.33	30H	4.775	40H	6.366	16.59	9.03	6.08	....	....	6.20	7.72	9.22	10.73	12.24
2625	1313	870	1.33	24H	3.820	32H	5.093	13.82	7.30	4.89	4.97	6.48	7.98	9.49	10.99	12.49	14.00
2625	1313	870	1.33	18H	2.865	24H	3.820	10.71★	5.52★	3.68	6.74	8.24	9.75	11.25	12.75	14.25	15.76
2567	1283	851	1.36	22H	3.501	30H	4.775	12.84	6.71	4.48	5.47	6.98	8.48	9.99	11.49	12.99	14.50
....	1273	844	1.38	16H	2.546	22H	3.501	....	4.91★	3.27★	7.24	8.75	10.25	11.75	13.25	14.75	16.25
2500	1250	829	1.40	20H	3.183	28H	4.456	11.77★	6.11	4.08	5.97	7.48	8.99	10.49	11.99	13.49	15.00
2450	1225	812	1.43	28H	4.456	40H	6.366	15.74	8.46	5.68	....	....	6.50	7.95	9.46	10.97	12.47
....	....	812	1.43	14H	2.228	20H	3.183	....	....	2.86★	7.75	9.25	10.75	12.25	13.75	15.25	16.75
2423	1212	803	1.44	18H	2.865	26H	4.138	10.71★	5.52★	3.68	6.48	7.98	9.49	10.99	12.49	14.00	15.50
2406	1203	798	1.45	22H	3.501	32H	5.093	12.84	6.71	4.48	5.20	6.71	8.22	9.73	11.23	12.73	14.24

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♠ Flanges required on both pulleys.

DODGE®



H Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
10.51	12.01	13.51	15.01	16.51	18.01	19.51	21.01	23.01	25.51	28.01	30.51	33.01	38.01	43.01	50.51	58.01	73.01
12.51	14.01	15.51	17.01	18.51	20.01	21.51	23.01	25.01	27.51	30.01	32.51	35.01	40.01	45.01	52.51	60.01	15.01
14.51	16.01	17.51	19.01	20.51	22.01	23.51	25.01	27.01	29.51	32.01	34.51	37.01	42.01	47.01	54.51	62.01	77.01
15.01	16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.51	30.01	32.51	35.01	37.51	42.51	47.51	55.01	62.51	77.51
15.51	17.01	18.51	20.01	21.51	23.01	24.51	26.01	28.01	30.51	33.01	35.51	38.01	43.01	48.01	55.51	63.01	78.01
16.01	17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.51	31.01	33.51	36.01	38.51	43.51	48.51	56.01	63.51	78.51
16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.01	29.01	31.51	34.01	36.51	39.01	44.01	49.01	56.51	64.01	79.01
17.01	18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.01	30.01	32.51	35.01	37.51	40.01	45.01	50.01	57.51	65.01	80.01
18.01	19.51	21.01	22.51	24.01	25.51	27.01	28.51	30.51	33.01	35.51	38.01	40.51	45.51	50.51	58.01	65.51	80.51
18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.01	31.01	33.51	36.01	38.51	41.01	46.01	51.01	58.51	66.01	81.01
19.01	20.51	22.01	23.51	25.01	26.51	28.01	29.51	31.51	34.01	36.51	39.01	41.51	46.51	51.51	59.01	66.51	81.51
14.76	16.26	17.76	19.26	20.76	22.26	23.76	25.26	27.26	29.76	32.26	34.76	37.26	42.26	47.26	54.16	62.26	77.26
15.26	16.76	18.26	19.76	21.26	22.76	24.26	25.76	27.76	30.26	32.76	35.26	37.76	42.76	47.76	55.26	62.76	77.76
15.76	17.26	18.76	20.26	21.76	23.26	24.76	26.26	28.26	30.76	33.26	35.76	38.26	43.26	48.26	55.76	63.26	78.26
16.26	17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.76	31.26	33.76	36.26	38.76	43.76	48.76	56.26	63.76	78.76
16.76	18.26	19.76	21.26	22.76	24.26	25.76	27.26	29.26	31.76	34.26	36.76	39.26	44.26	49.26	56.76	64.26	79.26
17.26	18.75	20.36	21.76	23.26	24.76	26.26	27.76	29.76	32.26	34.76	37.26	39.76	44.76	49.76	57.26	64.76	79.76
17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.26	30.26	32.76	35.26	37.76	40.26	45.26	50.26	57.76	62.26	80.26
18.26	19.76	21.26	22.76	24.26	25.76	27.26	28.76	30.76	33.26	35.76	38.26	40.76	45.76	50.76	58.26	65.76	80.76
15.01	16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.51	30.01	32.51	35.01	37.51	42.51	47.51	55.01	62.51	77.51
18.76	20.26	21.76	23.36	24.76	26.26	27.76	29.26	31.26	33.76	36.26	38.76	41.26	46.26	51.26	58.76	66.26	81.26
15.51	17.01	18.51	20.01	21.51	23.01	24.51	26.01	28.01	30.51	33.01	35.51	38.01	43.01	48.01	55.51	63.01	78.01
16.01	17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.51	31.01	33.51	36.01	38.51	43.51	48.51	56.01	63.51	78.51
16.51	18.01	19.51	21.01	22.51	24.01	25.51	27.01	29.01	31.51	34.01	36.51	39.01	44.01	49.01	56.51	64.01	79.01
11.49	12.99	14.49	16.00	17.50	19.00	20.50	22.00	24.00	26.51	29.00	31.50	34.00	39.01	44.00	51.51	59.01	74.01
17.01	18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
17.51	19.01	20.51	22.01	23.51	25.01	26.51	28.01	30.01	32.51	35.01	37.50	40.01	45.01	50.01	57.51	65.01	80.01
15.24	16.75	18.25	19.76	21.25	22.76	24.26	25.76	27.76	30.25	32.76	36.26	37.76	42.76	47.76	55.26	62.76	77.76
8.95	10.46	11.97	13.47	14.98	16.48	17.98	19.48	21.49	23.99	26.49	28.99	31.50	36.50	41.50	49.00	56.50	71.50♠
13.49	15.00	16.50	18.00	19.50	21.00	22.50	24.00	26.00	28.50	31.00	33.50	36.01	41.00	46.01	53.51	61.01	76.01
15.75	17.25	18.80	20.25	21.76	23.26	24.76	26.25	28.26	30.76	33.26	35.75	38.26	43.26	48.26	55.76	63.26	78.26
18.01	19.51	21.01	22.51	24.01	25.51	27.01	28.51	30.51	33.01	35.51	38.01	40.51	45.51	50.51	58.01	65.51	80.51
16.25	17.75	19.25	20.76	22.26	23.76	25.26	26.76	28.76	31.26	33.76	36.26	38.76	43.76	48.76	56.26	63.76	78.76
18.51	20.01	21.51	23.01	24.51	26.01	27.51	29.01	31.01	33.51	36.01	38.51	41.01	46.01	51.01	58.51	66.01	81.01
16.75	18.25	19.76	21.26	22.76	24.26	25.76	27.26	29.26	31.29	34.26	36.76	39.25	44.26	49.26	56.76	64.26	79.26
13.74	15.24	16.74	18.24	19.74	21.25	22.75	24.25	26.25	28.75	31.25	33.75	36.25	41.25	46.25	53.75	61.26	76.26
15.50	17.00	18.50	20.00	21.50	23.00	24.50	26.00	28.00	30.50	33.00	35.51	38.01	43.00	48.01	55.51	63.01	78.01
17.25	18.80	20.26	21.76	23.26	24.76	26.25	27.76	29.76	32.25	34.76	37.26	39.76	44.76	49.76	57.26	64.76	79.76
16.00	17.50	19.00	20.50	22.00	23.50	25.00	26.50	28.50	31.00	33.51	36.01	38.50	43.51	48.51	56.01	63.51	78.52
17.76	19.26	20.76	22.26	23.76	25.26	26.76	28.26	30.26	32.76	35.26	37.76	40.26	45.26	50.26	57.76	65.26	80.26
16.50	18.00	19.50	21.00	22.50	24.00	25.50	27.00	29.01	31.50	34.01	36.50	39.01	44.00	49.01	56.51	64.01	79.01
13.98	15.48	16.98	18.48	19.99	21.49	22.99	24.49	26.49	29.00	31.50	34.00	36.50	41.50	46.50	54.00	61.50	76.50
18.26	19.76	21.26	22.76	24.26	25.76	27.26	28.75	30.76	33.26	35.76	38.26	40.77	45.76	50.76	58.26	65.76	80.76
17.00	18.50	20.00	21.50	23.00	24.50	26.01	27.50	29.51	32.01	34.51	37.01	39.51	44.51	49.51	57.01	64.51	79.51
15.74	17.24	18.74	20.24	21.75	23.18	24.75	26.25	28.25	30.75	33.25	35.75	38.25	43.25	48.25	55.76	63.25	78.26

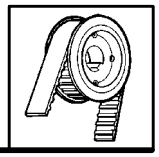
H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Shaded area indicates stock belt widths.

♠ Flanges required on both pulleys.

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



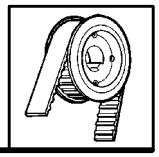
H Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
....	1167	773	1.50	48H	7.639	72H	11.459	....	13.84	9.55	....	....	....	....	....	....	....
2333	1167	773	1.50	40H	6.366	60H	9.549	20.08	11.79	8.03	....	....	....	....	....	....	8.35
2333	1167	773	1.50	32H	5.093	48H	7.639	17.40	9.60	6.48	....	....	....	....	7.90	9.42	10.93
2333	1167	773	1.50	20H	3.183	30H	4.775	11.77★	6.11	4.08	5.70	7.21	8.72	10.23	11.73	13.24	14.74
....	1167	773	1.50	16H	2.546	24H	3.820	....	4.91★	3.27★	6.98	8.48	9.99	11.49	12.99	14.50	16.00
2275	1138	754	1.54	26H	4.138	40H	6.366	14.80	7.88	5.28	....	....	6.66	8.18	9.69	11.20	12.71
2250	1125	746	1.56	18H	2.865	28H	4.456	10.71★	5.52★	3.68	6.21	7.72	9.22	10.73	12.23	13.74	15.24
....	....	738	1.57	14H	2.228	22H	3.501	....	....	2.86★	7.48	8.99	10.49	11.99	13.50	15.00	16.50
2188	1094	725	1.60	30H	4.775	48H	7.639	16.59	9.03	6.08	....	....	....	6.60	8.13	9.65	11.17
2188	1094	725	1.60	20H	3.183	32H	5.093	11.77★	6.11	4.08	5.42	6.94	8.45	9.96	11.47	12.97	14.48
....	1077	714	1.63	16H	2.546	26H	4.138	....	4.91★	3.27★	6.71	8.22	9.73	11.23	12.73	14.24	15.74
2100	1050	696	1.67	24H	3.820	40H	6.366	13.82	7.30	4.89	....	....	6.89	8.41	9.93	11.44	12.95
2100	1050	696	1.67	18H	2.865	30H	4.775	10.71★	5.52★	3.68	5.93	7.45	8.96	10.46	11.97	13.48	14.98
2042	1021	677	1.71	28H	4.456	48H	7.639	15.74	8.46	5.68	....	....	....	6.82	8.35	9.88	11.40
		677	1.71	14H	2.228	24H	3.820	....	....	2.86★	7.22	8.72	10.23	11.74	13.24	14.74	16.24
....	1000	663	1.75	48H	7.639	84H	13.369	....	13.84	9.55	....	....	....	....	....	....	....
....	1000	663	1.75	16H	2.546	28H	4.456	....	4.91★	3.27★	6.44	7.95	9.46	10.97	12.47	13.98	15.48
1969	985	652	1.78	18H	2.865	32H	5.093	10.71★	5.52★	3.68	5.65	7.17	8.69	10.20	11.71	13.21	14.72
1944	972	644	1.80	40H	6.366	72H	11.459	20.08	11.79	8.03	....	....	....	....	....	....	....
1925	963	638	1.82	22H	3.501	40H	6.366	12.84	6.71	4.48	....	5.57	7.11	8.64	10.16	11.67	13.18
1896	948	628	1.85	26H	4.138	48H	7.639	14.80	7.88	5.28	....	....	....	7.04	8.58	10.11	11.63
....	....	625	1.86	14H	2.226	26H	4.138	....	....	2.86★	6.94	8.45	9.96	11.47	12.97	14.48	15.98
1867	933	619	1.88	32H	5.093	60H	9.549	17.40	9.60	6.48	....	....	....	....	....	7.68	9.24
....	933	619	1.88	16H	2.546	30H	4.775	....	4.91★	3.27★	6.16	7.68	9.19	10.70	12.21	13.71	15.22
....	875	580	2.00	48H	7.639	96H	15.279	....	13.84	9.55	....	....	....	....	....	....	....
1750	875	580	2.00	30H	4.775	60H	9.549	16.59	9.03	6.08	....	....	....	....	....	7.89	9.45
1750	875	580	2.00	24H	3.820	48H	7.639	13.82	7.30	4.89	....	....	....	7.25	8.80	10.33	11.85
1750	875	580	2.00	20H	3.183	40H	6.366	11.77★	6.11	4.08	....	5.78	7.33	8.86	10.39	11.90	13.41
....	875	580	2.00	16H	2.546	32H	5.093	....	4.91★	3.27★	5.87	7.40	8.92	10.43	11.94	13.45	14.96
....	....	580	2.00	14H	2.228	28H	4.456	....	....	2.66★	6.67	8.18	9.69	11.20	12.71	14.22	15.72
1667	833	552	2.10	40H	6.366	84H	13.369	20.08	11.79	8.03	....	....	....	....	....	....	....
1633	817	541	2.14	28H	4.456	60H	9.549	15.74	8.46	5.68	....	....	....	....	....	8.10	9.67
....	....	541	2.14	14H	2.228	30H	4.775	....	....	2.86★	6.38	7.90	9.42	10.94	12.44	13.95	15.46
1604	802	532	2.18	22H	3.501	48H	7.639	12.84	6.71	4.48	....	....	....	7.47	9.02	10.55	12.08
1575	788	522	2.22	18H	2.865	40H	6.366	10.71★	5.52★	3.68	....	6.00	7.55	9.09	10.61	12.13	13.65
1556	778	516	2.25	32H	5.093	72H	11.459	17.40	9.60	6.48	....	....	....	....	....	....	....
....	....	507	2.29	14H	2.228	32H	5.093	....	....	2.86★	6.09	7.62	9.15	10.66	12.18	13.68	15.19
1517	758	503	2.31	26H	4.138	60H	9.549	14.80	7.88	5.28	....	....	....	....	....	8.31	9.88
1458	729	483	2.40	40H	6.366	96H	15.279	20.08	11.79	8.03	....	....	....	....	....	....	....
1458	729	483	2.40	30H	4.775	72H	11.459	16.59	9.03	6.08	....	....	....	....	....	....	....
1458	729	483	2.40	20H	3.183	48H	7.639	11.77★	6.11	4.08	....	....	6.09	7.68	9.24	10.78	12.31
....	700	464	2.50	48H	7.639	120H	19.099	....	13.84	9.55	....	....	....	....	....	....	....
1400	700	464	2.50	24H	3.820	60H	9.549	13.82	7.30	4.89	....	....	....	....	....	8.52	10.10
....	700	464	2.50	16H	2.546	40H	6.366	....	4.91★	3.27★	....	6.21	7.77	9.31	10.84	12.36	13.88
1361	681	451	2.57	28H	4.456	72H	11.459	15.74	8.46	5.68	....	....	....	....	....	....	....
1333	667	442	2.63	32H	5.093	84H	13.369	17.40	9.60	6.48	....	....	....	....	....	....	....

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♠ Flanges required on both pulleys.



H Stock Drive Selections

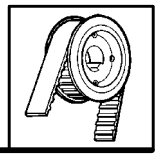
Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
....	....	10.33	11.85	13.37	14.88	16.40	17.91	19.92	22.43	24.94	27.44	29.95	34.96	39.96	47.47	54.98	69.99♠
9.88	11.40	12.91	14.42	15.93	17.44	18.94	20.45	22.45	24.96	27.46	29.97	32.47	37.48	42.48	49.98	57.49♠	72.49♠
12.44	13.95	15.46	16.97	18.47	19.97	21.47	22.97	24.98	27.48	29.98	32.49	34.99	39.99	44.99	52.50	60.00	74.99
16.24	17.74	19.24	20.75	22.25	23.75	25.25	26.75	28.75	31.25	33.75	36.25	38.75	43.76	48.76	56.27	63.75	78.76
17.50	19.00	20.50	22.00	23.50	25.00	26.50	28.00	30.01	32.51	35.01	37.50	40.01	45.02	50.01	57.51	65.01	80.01
14.21	15.72	17.22	18.73	20.23	21.73	23.23	24.74	26.74	29.24	31.74	34.24	36.75	41.75	46.75	54.25	61.75	76.75
16.74	18.24	19.75	21.25	22.75	24.25	25.75	27.25	29.25	31.75	34.25	36.49	39.25	44.26	49.25	56.75	64.26	79.26
18.00	19.50	21.00	22.50	24.00	25.50	27.01	28.50	30.51	33.01	35.51	38.01	40.51	45.51	50.50	58.02	65.51	80.51
12.68	14.19	15.69	17.20	18.70	20.21	21.71	23.22	25.22	27.72	30.23	32.13	35.23	40.24	45.24	52.74	60.25	75.25
15.98	17.48	18.99	20.49	21.99	23.49	24.99	26.49	28.50	31.00	33.50	36.00	38.50	43.50	48.50	56.00	63.52	78.51
17.24	18.74	20.25	21.75	23.18	24.75	26.25	27.75	29.75	32.25	34.75	37.25	39.76	44.76	49.76	57.25	64.76	79.77
14.45	15.96	17.46	18.97	20.47	21.97	23.48	24.98	26.98	29.48	31.99	34.49	36.99	41.99	47.00	54.50	62.00	77.01
16.48	17.96	19.49	20.99	22.49	23.99	25.49	26.99	29.00	31.50	34.00	36.50	39.00	44.00	49.00	56.51	64.01	79.01
12.91	14.42	15.93	17.44	18.94	20.45	21.95	23.46	25.46	27.97	30.47	32.97	35.48	40.48	45.48	52.99	60.49	75.49
17.74	19.24	20.75	22.25	23.75	25.25	26.75	28.25	30.25	32.75	35.25	37.75	40.25	45.26	50.27	57.76	65.25	80.26
....	....	....	....	11.65	13.19	14.73	16.25	18.28	20.81	23.33	25.85	28.34	33.39	38.40	45.92	53.43	68.45♠
16.98	18.49	19.99	21.49	22.99	24.49	26.00	27.49	29.50	32.00	34.50	37.00	39.50	44.50	49.50	57.01	64.50	79.51
16.22	17.73	19.23	20.73	22.23	23.73	25.24	26.74	28.74	31.24	33.74	36.24	38.75	43.75	48.75	56.25	63.75	78.77
....	9.67	11.22	12.75	14.28	25.81	17.32	18.84	20.85	23.37	25.88	28.40	30.90	35.92	40.93	48.44	55.95♠	70.97♠
14.69	16.20	17.70	19.21	20.71	22.21	23.72	25.22	27.22	29.73	32.23	34.73	37.23	42.24	47.24	54.74	62.25	77.25
13.14	14.65	16.16	17.67	19.18	20.68	22.19	23.69	25.70	28.21	30.71	33.21	35.72	40.72	45.73	53.24	60.74	75.74
17.49	18.99	20.49	21.99	23.49	24.99	26.49	27.99	30.00	32.50	35.00	37.50	40.00	45.00	50.00	57.50	65.00	80.01
10.78	12.31	13.83	15.35	16.86	18.37	19.88	21.39	23.40	25.91	28.42	30.93	33.44	38.45	43.45♠	50.96♠	58.47♠	73.48♠
16.72	18.23	19.73	21.23	22.73	24.24	25.74	27.24	29.24	31.74	34.24	36.75	39.25	44.25	49.25	56.15	64.14	79.25
....	....	....	....	....	....	12.94	14.50	16.56	19.12	21.67	24.21	26.74	31.78	36.81	44.35	51.87	66.90
11.00	12.53	14.06	15.58	17.09	18.61	20.35	21.63	23.64	26.15	28.66	31.17	33.68	38.69♠	43.70♠	51.21♠	58.71♠	73.73♠
13.37	14.89	16.40	17.91	19.42	20.92	22.43	23.93	25.94	28.45	30.95	33.46	35.96	40.97	45.97	53.48	60.98	75.99
14.92	16.43	17.94	19.45	20.95	22.45	23.96	25.46	27.47	29.97	32.47	34.97	37.48	42.48	47.48	54.99	62.49	77.50
16.46	17.97	19.47	20.87	22.48	23.98	25.48	26.98	28.99	31.48	33.99	36.49	38.99	43.99	49.00	56.50	64.00	79.01
17.22	18.73	20.23	21.73	23.23	24.74	26.24	27.74	29.74	32.24	34.74	37.25	39.75	44.75	49.75	57.25	64.75	79.75
....	....	....	10.94	12.51	14.07	15.61	17.15	19.19	21.73	24.26	26.78	29.30	34.33	39.35	46.88	54.40♠	69.42♠
11.21	12.75	14.28	15.80	17.32	16.64	20.35	21.86	23.87	26.39	28.90	31.41	33.91	38.93♠	43.94♠	51.45♠	58.95♠	73.97♠
16.96	18.47	19.97	21.47	22.98	24.46	25.98	27.48	29.48	31.99	34.49	36.99	39.49	44.49	49.50	57.01	64.50	79.50
13.60	15.12	16.66	18.14	19.65	21.16	22.67	24.17	26.18	28.69	31.19	33.70	36.20	41.21	46.22	53.72	61.23	76.24
15.16	16.67	18.18	19.68	21.19	22.69	24.20	25.70	27.71	30.21	32.71	35.22	37.72	42.73	47.73	55.23	62.74	77.74
8.93	10.52	12.08	13.63	15.17	16.70	18.23	19.75	21.78	24.30	26.82	29.34	31.85	36.87	41.89♠	49.41♠	56.92♠	71.94♠
16.70	18.20	19.70	21.21	22.72	24.22	25.72	27.22	29.23	31.73	34.23	36.73	39.24	44.24	49.24	56.75	64.25	79.25
11.44	12.97	14.51	16.03	17.55	19.07	20.58	22.09	24.11	26.62	29.13	31.64	34.15♠	39.17♠	44.18♠	51.69♠	59.20♠	74.21♠
....	....	....	....	....	12.18	13.78	15.35	17.43	20.01	22.57	25.11	27.65	32.71	37.75	45.29	52.82♠	67.87♠
9.14	10.76	12.30	13.85	15.39	16.93	18.45	19.98	22.01	24.53	27.05	29.57	32.09	37.11	42.13♠	49.65♠	57.16♠	72.19♠
13.83	15.35	16.86	18.37	19.89	21.39	22.90	24.41	26.42	28.92	31.43	33.94	36.44	41.45	46.46	53.97	61.47	76.48
....	....	....	....	....	....	....	....	....	15.43	18.09	20.71	23.30	28.43	33.52	41.11	48.67	63.75♠
11.65	13.20	14.73	16.25	17.77	19.30	20.81	22.33	24.34	26.86	29.37	31.88♠	34.39♠	39.41♠	44.42♠	51.93♠	59.44♠	74.46♠
15.39	16.90	18.41	19.92	21.43	22.93	24.44	25.94	27.95	30.45	32.96	35.46	37.97	42.97	47.97	55.48	62.98	77.99
9.34	10.94	12.51	14.07	15.61	17.15	18.68	20.20	22.23	24.76	27.28	29.80	32.32	37.35♠	42.37♠	49.89♠	57.40♠	72.43♠
....	....	10.15	11.77	13.36	14.93	16.49	18.03	20.08	22.63	25.17	27.70	30.23	35.22	40.30	47.83♠	55.36♠	70.39♠

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Shaded area indicates stock belt widths.



H Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲			Nominal C.D. Using DYNA-SYNC Belts						
				Driver		Driven											
3500	1750	1160		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	3500	1750	1160	240H	270H	300H	330H	360H	390H	420H
1312	656	435	2.67	18H	2.865	48H	7.639	10.71★	5.52★	3.68	....	....	6.30	7.89	9.45	11.00	12.53
1283	642	425	2.73	22H	3.501	60H	9.549	12.84	6.71	4.48	....	....	....	....	7.10	8.73	10.31
1264	632	419	2.77	26H	4.138	72H	11.459	14.80	7.88	5.28	....	....	....	....	....	....	....
1250	625	414	2.80	30H	4.775	84H	13.369	16.59	9.03	6.08	....	....	....	....	....	....	....
....	....	406	2.86	14H	2.228	40H	6.366	....	....	2.86★	4.80†	6.42†	7.99†	9.53	11.06	12.59	14.11
1167	583	387	3.00	40H	6.366	120H	19.099	20.08	11.79	8.03	....	....	....	....	....	....	....
1167	583	387	3.00	32H	5.093	96H	15.279	17.40	9.60	6.48	....	....	....	....	....	....	....
1167	583	387	3.00	28H	4.456	84H	13.369	15.74	8.46	5.68	....	....	....	....	....	....	....
1167	583	387	3.00	24H	3.820	72H	11.459	13.82	7.30	4.89	....	....	....	....	....	....	8.08
1167	583	387	3.00	20H	3.183	60H	9.549	11.77★	6.11	4.08	....	....	....	....	7.30	8.93	10.52
....	583	387	3.00	16H	2.546	48H	7.639	....	4.91★	3.27★	....	....	6.50	8.10	9.67	11.22	12.75
1094	547	363	3.20	30H	4.775	96H	15.279	16.59	9.03	6.08	....	....	....	....	....	....	....
1084	542	359	3.23	26H	4.138	84H	13.369	14.80	7.88	5.28	....	....	....	....	....	....	....
1069	535	354	3.27	22H	3.501	72H	11.459	12.84	6.71	4.48	....	....	....	....	....	....	8.28
1050	525	348	3.33	18H	2.865	60H	9.549	10.71★	5.52★	3.68	....	....	....	....	7.50	9.14	10.77
1021	510	338	3.43	28H	4.456	96H	15.279	15.74	8.46	5.68	....	....	....	....	....	....	....
....	....	338	3.43	14H	2.228	48H	7.639	....	....	2.86★	....	....	6.70†	8.95†	9.88†	11.44†	12.98
1000	500	331	3.50	24H	3.820	84H	13.369	13.82	7.30	4.89	....	....	....	....	....	....	....
972	486	322	3.60	20H	3.183	72H	11.459	11.77★	6.11	4.08	....	....	....	....	....	....	8.47
948	474	314	3.69	26H	4.138	96H	15.279	14.80	7.88	5.28	....	....	....	....	....	....	....
933	467	309	3.75	32H	5.093	120H	19.099	17.40	9.60	6.48	....	....	....	....	....	....	....
....	467	309	3.75	16H	2.546	60H	9.549	....	4.91★	3.27★	....	....	....	....	7.69†	9.34†	10.94
916	458	304	3.82	22H	3.501	84H	13.369	12.84	6.71	4.48	....	....	....	....	....	....	....
875	438	290	4.00	30H	4.775	120H	19.099	16.59	9.03	6.08	....	....	....	....	....	....	....
875	438	290	4.00	24H	3.820	96H	15.279	13.82	7.30	4.89	....	....	....	....	....	....	....
875	438	290	4.00	18H	2.865	72H	11.459	10.71★	5.52★	3.68	....	....	....	....	....	....	8.67
833	417	276	4.20	20H	3.183	84H	13.369	11.77★	6.11	4.08	....	....	....	....	....	....	....
817	408	271	4.29	28H	4.456	120H	19.099	15.74	8.46	5.68	....	....	....	....	....	....	....
....	....	271	4.29	14H	2.228	60H	9.549	....	....	2.86★	....	....	....	6.12‡	7.89‡	9.55†	11.15†
802	401	266	4.36	22H	3.501	96H	15.279	12.84	6.71	4.48	....	....	....	....	....	....	....
....	389	258	4.50	16H	2.546	72H	11.459	....	4.91★	3.27★	....	....	....	....	....	....	8.86†
758	379	251	4.62	26H	4.138	120H	19.099	14.80	7.88	5.28	....	....	....	....	....	....	....
749	375	248	4.67	18H	2.865	84H	13.369	10.71★	5.52	3.68	....	....	....	....	....	....	....
729	365	242	4.80	20H	3.183	96H	15.279	11.71★	6.11	4.08	....	....	....	....	....	....	....
700	350	232	5.00	24H	3.820	120H	19.099	13.82	7.30	4.89	....	....	....	....	....	....	....
....	....	226	5.14	14H	2.228	72H	11.459	....	....	2.86★	....	....	....	....	....	7.22§	9.05‡
....	333	221	5.25	16H	2.546	84H	13.369	....	4.91★	3.27★	....	....	....	....	....	....	....
656	323	217	5.33	18H	2.865	96H	15.279	10.71★	5.52★	3.68	....	....	....	....	....	....	....
642	321	213	5.45	22H	3.501	120H	19.099	12.84	6.71	4.48	....	....	....	....	....	....	....
583	294	193	6.00	20H	3.183	120H	19.099	11.77★	6.11	4.08	....	....	....	....	....	....	....
....	292	193	6.00	16H	2.546	96H	15.219	....	4.91★	3.27★	....	....	....	....	....	....	....
....	....	193	6.00	14H	2.228	84H	13.369	....	....	2.86★	....	....	....	....	....	....	....
525	262	174	6.67	18H	2.865	120H	19.099	10.71★	5.52★	3.68★	....	....	....	....	....	....	....
....	....	169	6.86	14H	2.228	96H	15.279	....	....	3.27★	....	....	....	....	....	....	....
....	233	155	7.50	16H	2.546	120H	19.099	....	4.91★	2.86★	....	....	....	....	....	....	....
....	....	135	8.57	14H	2.228	120H	19.099	....	....	....	....	....	....	....	....	....	....

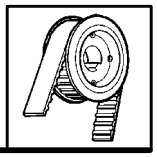
▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10–17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡§See Teeth in Mesh table on opposite page.

♠ Flanges required on both pulleys.

DODGE®



H Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

450H	480H	510H	540H	570H	600H	630H	660H	700H	750H	800H	850H	900H	1000H	1100H	1250H	1400H	1700H
14.06	15.58	17.09	18.61	20.35	21.63	23.14	24.64	26.65	29.16	31.67	34.18	36.68	41.69	46.70	54.21	61.71	76.73
11.87	13.42	14.95	16.48	18.00	19.52	21.04	22.56	24.58	27.09	29.61♠	32.12♠	34.63♠	39.65♠	44.66♠	52.17♠	56.69♠	74.70♠
9.55	11.15	12.73	14.29	15.83	17.37	18.90	20.43	22.46	24.99	27.52	30.04	32.55	37.58♠	42.60♠	50.13♠	57.64♠	72.67♠
....	....	10.35	11.98	13.57	15.14	16.70	18.25	20.30	22.85	25.39	27.95	30.46	35.50	40.53♠	48.07♠	55.59♠	70.63♠
15.62	17.13	18.65	20.15	21.66	23.17	23.67	26.18	28.19	30.69	33.20	35.70	38.21	43.21	48.22	55.72	63.23	78.24
....	....	....	....	....	....	....	....	13.47	16.24	18.92	21.56	24.16	29.31	34.42	42.03	49.60	64.70♠
....	....	....	....	11.34	12.99	14.81	16.20	18.29	20.88	23.45	26.01	28.55	33.62	38.67	46.23♠	53.77♠	68.62♠
....	....	10.55	12.18	13.78	15.36	16.92	18.47	20.52	23.08	25.62	28.16	30.69	35.73♠	40.77♠	48.31♠	55.83♠	70.87♠
9.75	11.36	12.94	14.50	16.05	17.59	19.13	20.65	22.69	26.22	27.75	30.27	32.79♠	37.82♠	42.84♠	50.37♠	57.88♠	72.91♠
12.09	13.63	15.17	16.70	18.23	19.75	21.27	22.79	24.81	27.32♠	29.84♠	32.35♠	38.87♠	39.88♠	44.90♠	52.42♠	59.93♠	94.95♠
14.28	15.80	17.32	18.84	20.35	21.86	23.37	24.88	26.89	29.40	31.91	34.42	36.92	41.93	46.94	54.45	81.96	76.97
....	....	....	....	11.54	13.20	14.81	16.41	18.51	21.10	23.67	26.23	28.79	33.85	38.90♠	46.46♠	54.00♠	69.06♠
....	9.05	10.75	12.39	13.99	15.57	17.13	18.68	20.74	23.30	25.85	28.38	30.91	35.96♠	41.00♠	48.54♠	56.07♠	71.11♠
9.95	11.56	13.15	14.72	16.27	17.81	19.35	20.88	22.91	25.45	27.98	30.50♠	33.02♠	38.05♠	43.08♠	50.61♠	58.12♠	73.15♠
12.30	13.85	15.39	16.93	18.46	19.98	21.50	23.02♠	25.04♠	27.56♠	30.07♠	32.59♠	35.10♠	40.12♠	45.14♠	52.66♠	60.17♠	75.19♠
....	....	....	....	11.73	13.40	15.02	16.62	18.72	21.32	23.89	26.45	29.00	34.08	39.13♠	46.70♠	54.24♠	69.30♠
14.51	16.03	17.55	19.07	20.58	22.09	23.61	25.11	27.13	29.64	32.15	34.68	37.16	42.17	47.18	54.70	62.20	77.22♠
....	9.24	10.95	12.59	14.20	15.78	17.35	18.90	20.96	23.52	26.07	28.61	31.14♠	36.20♠	41.23♠	48.78♠	56.35♠	71.35♠
10.15	11.77	13.36	14.93	16.49	18.03	19.57	21.10	23.14	25.68♠	28.21♠	30.73♠	33.25♠	38.29♠	43.31♠	50.84♠	58.36♠	73.40♠
....	....	....	10.19	11.93	13.60	15.23	16.83	18.93	21.53	24.11	26.67	29.23	34.31♠	39.36♠	46.93♠	54.48♠	69.54♠
....	....	....	....	....	....	....	....	14.25	17.05	19.75	22.40	25.02	30.19	35.31	42.94♠	50.52♠	65.64♠
12.51	14.07	15.61	17.15	18.86	21.20	21.73♠	23.26♠	25.27♠	27.79♠	30.31♠	32.82♠	35.34♠	40.36♠	45.38♠	52.90♠	60.41♠	75.43♠
....	9.43	11.14	12.79	14.40	15.99	17.56	19.12	21.18	23.74	26.30	28.84♠	31.37♠	36.43♠	41.47♠	49.01♠	56.54♠	71.59♠
....	....	....	....	....	....	....	....	14.44	17.25	19.96	22.61	25.23	30.41	35.53	43.16♠	50.75♠	65.87♠
....	....	....	10.38	12.12	13.80	15.43	17.03	19.14	21.75	24.33	27.00	29.45	34.53♠	39.59♠	47.16♠	54.71♠	69.78♠
10.35	11.98	13.57	15.14	16.70	18.25	19.79	21.32	23.36♠	25.90♠	28.44♠	30.96♠	33.48♠	38.52♠	43.55♠	51.08♠	58.60♠	73.64♠
....	9.62	11.34	12.99	14.61	16.20	17.77	19.33	21.40	23.97	26.52♠	29.06♠	31.60♠	36.66♠	41.70♠	49.25♠	56.78♠	71.83♠
....	....	....	....	....	....	....	....	14.63	17.45	20.16	22.82	25.45	30.63	35.76♠	43.39♠	50.98♠	66.11♠
12.73†	14.29†	15.83†	17.37	21.95♠	18.90♠	20.43♠	23.47♠	25.50♠	28.02♠	30.54♠	33.06♠	35.57♠	40.60♠	45.61♠	53.14♠	60.65♠	75.67♠
....	....	....	10.57	12.32	14.00	15.63	17.24	19.36	21.96	24.55	27.12	29.67♠	34.76♠	39.82♠	47.39♠	54.94♠	70.01♠
10.55†	12.18†	13.78	15.36	16.92	18.47	20.01	21.55♠	23.59♠	26.13♠	28.66♠	31.19♠	33.72♠	38.75♠	43.78♠	51.32♠	58.84♠	73.88♠
....	....	....	....	....	....	....	12.43	14.82	17.65	20.37	23.03	25.66	30.85	35.98♠	43.62♠	51.21♠	66.34♠
....	9.81†	11.54	13.20	14.82	15.41	17.99	19.55	21.62	24.19♠	26.74♠	29.29♠	31.83♠	36.89♠	41.93♠	49.48♠	57.02♠	72.07♠
....	....	....	10.75	12.51	14.20	15.84	17.45	19.57	22.18	24.77	27.34♠	29.90♠	34.99♠	40.05♠	47.63♠	55.18♠	70.25♠
....	....	....	....	....	....	....	....	15.02	17.84	20.57	23.24	25.87	31.06♠	36.20♠	43.84♠	51.44♠	66.57♠
10.75†	12.39†	13.99†	15.57†	17.13†	18.69†♠	20.23†♠	21.77♠	23.81♠	26.35♠	28.89♠	31.42♠	33.95♠	38.99♠	44.02♠	51.55♠	59.08♠	74.12♠
....	10.00†	11.73†	13.40	15.02	16.62	18.20	19.76	21.84♠	24.39♠	26.96♠	29.51♠	32.08♠	37.12♠	42.16♠	49.72♠	57.25♠	72.31♠
....	....	....	10.94†	12.71†	14.40	16.04	17.65	19.78	22.39	24.98♠	27.56♠	30.12♠	35.21♠	40.28♠	47.86♠	55.41♠	70.49♠
....	....	....	....	....	....	....	12.79	15.21	18.04	20.78	23.45	26.08	31.28♠	36.42♠	44.07♠	51.67♠	66.81♠
....	....	....	....	....	....	....	12.98†	15.40	18.24	20.98	23.66	26.29♠	31.50♠	36.64♠	44.29♠	51.90♠	67.04♠
....	....	9.20§	11.13‡	12.90	14.59†	16.24†	17.86	19.99	22.61♠	25.20♠	27.78♠	30.34♠	35.44♠	40.51♠	48.09♠	55.65♠	70.73♠
8.30§	10.19‡	11.93‡	13.60†	15.23†	16.83†	18.41†♠	19.98†♠	22.05†♠	24.63†♠	27.19♠	29.74♠	32.28♠	37.34♠	42.39♠	49.95♠	57.49♠	72.55♠
....	....	9.37§	11.31‡	13.09‡	....	....	13.16†	15.59†	18.44	21.18	23.86♠	26.51♠	31.71♠	36.86♠	44.52♠	52.13♠	67.27♠
....	....	....	....	....	14.79‡	16.44†	18.07†♠	20.19†♠	22.82†♠	25.42†♠	27.99†♠	30.56†♠	35.66♠	40.74♠	48.32♠	55.88♠	70.96♠
....	....	....	....	....	....	....	13.64‡	15.78†	18.64†	21.38†♠	24.07♠	26.72♠	31.93♠	37.08♠	44.74♠	52.35♠	67.50♠
....	....	....	....	....	....	11.49§	13.53§	15.97‡	18.83‡♠	21.59†♠	24.28†♠	26.93†♠	32.14†♠	37.30♠	44.97♠	52.58♠	67.74♠

H Belt Width Table

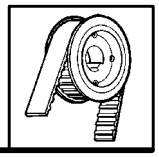
Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

Teeth in Mesh factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80	§	3	.40

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



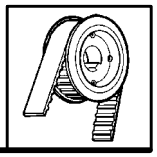
XH Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲		
				Driver		Driven				
1750	1160	870		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	1750	1160	870
1750	1160	870	1.00	40XH	11.141	40XH	11.141	22.22	17.44	13.79
1750	1160	870	1.00	32XH	8.913	32XH	8.913	19.87	14.57	11.29
1750	1160	870	1.00	30XH	8.356	30XH	8.356	19.06	13.79	10.63
1750	1160	870	1.00	28XH	7.799	28XH	7.799	18.16	12.97	9.97
1750	1160	870	1.00	26XH	7.241	26XH	7.241	17.17	12.13	9.29
1750	1160	870	1.00	24XH	6.685	24XH	6.685	16.14★	11.29★	8.61
1750	1160	870	1.00	22XH	6.127	22XH	6.127	15.03★	10.41★	7.92
1750	1160	870	1.00	20XH	5.570	20XH	5.570	13.85★	9.51★	7.23★
	1160	870	1.00	18XH	5.013	18XH	5.013	....	8.61	6.52★
1641	1088	816	1.07	30XH	8.356	32XH	8.913	19.06	13.79	10.63
1633	1083	812	1.07	28XH	7.799	30XH	8.356	18.16	12.97	9.97
1625	1077	808	1.08	26XH	7.241	28XH	7.799	17.17	12.13	9.29
1615	1071	803	1.08	24XH	6.685	26XH	7.241	16.14★	11.29	8.61
1604	1063	798	1.09	22XH	6.127	24XH	6.685	15.03★	10.41★	7.92
1591	1055	791	1.10	20XH	5.570	22XH	6.127	13.85★	9.51★	7.23★
	1044	783	1.11	18XH	5.013	20XH	5.570	....	8.61★	6.52★
1531	1015	761	1.14	28XH	7.799	32XH	8.913	18.16	12.97	9.97
1517	1005	754	1.15	26XH	7.241	30XH	8.356	17.17	12.13	9.29
1500	994	746	1.17	24XH	6.685	28XH	7.799	16.14★	11.29	8.61
1481	982	736	1.18	22XH	6.127	26XH	7.241	15.03★	10.41★	7.92
1458	967	725	1.20	40XH	11.141	48XH	13.369	22.22	17.44	13.79
1458	967	725	1.20	20XH	5.570	24XH	6.685	13.85	9.51★	7.23★
	949	712	1.22	18XH	5.013	22XH	6.127	....	8.61★	6.52★
1422	943	707	1.23	26XH	7.241	32XH	8.913	17.17	12.13	9.29
1400	928	696	1.25	32XH	8.913	40XH	11.141	19.87	14.57	11.29
1400	928	696	1.25	24XH	6.685	30XH	8.356	16.14★	11.29	8.61
1375	911	684	1.27	22XH	6.127	28XH	7.799	15.03★	10.41★	7.92
1346	892	669	1.30	20XH	5.570	26XH	7.241	13.85★	9.51★	7.23★
1313	870	653	1.33	30XH	8.356	40XH	11.141	19.06	13.79	10.63
1313	870	653	1.33	24XH	6.685	32XH	8.913	16.14★	11.29	8.61
	870	653	1.33	18XH	5.013	24XH	6.685	....	8.61★	6.52★
1283	851	638	1.36	22XH	6.127	30XH	8.356	15.03★	10.41★	7.92
1250	829	621	1.40	20XH	5.570	28XH	7.799	13.85★	9.51★	7.23★
1225	812	609	1.43	28XH	7.799	40XH	11.141	18.16	12.97	9.97
	803	602	1.44	18XH	5.013	26XH	7.241	....	8.61★	6.52★
1203	798	598	1.45	22XH	6.127	32XH	8.913	15.03★	10.41★	7.92
1167	773	580	1.50	40XH	11.141	60XH	16.711	22.22	17.44	13.79
1167	773	580	1.50	32XH	8.913	48XH	13.369	19.87	14.57	11.29
1167	773	580	1.50	20XH	5.570	30XH	8.356	13.85★	9.51★	7.23★
1138	754	566	1.54	26XH	7.241	40XH	11.141	17.17	12.13	9.29
	746	559	1.56	18XH	5.013	28XH	7.799	....	8.61★	6.52★
1094	725	544	1.60	30XH	8.356	48XH	13.369	19.06	13.79	10.63★
1094	725	544	1.60	20XH	5.570	32XH	8.913	13.85★	9.51★	7.23★
1050	696	522	1.67	24XH	6.685	40XH	11.141	16.14★	11.29	8.61
	696	522	1.67	18XH	5.013	30XH	8.356	....	8.61★	6.52★
1021	677	508	1.71	28XH	7.799	48XH	13.369	18.16	12.97	9.97
	653	489	1.78	18XH	5.013	32XH	8.913	....	8.61★	6.52★
972	644	483	1.80	40XH	11.141	72XH	20.054	22.22	17.44	13.79
963	638	479	1.82	22XH	6.127	40XH	11.141	15.03★	10.41★	7.92

▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

♠ Flanges required on both pulleys.



XH Stock Drive Selections

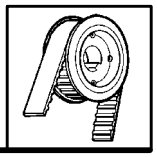
Nominal Center Distance Using DYNA-SYNC Belts											
507XH	**560XH**	**630XH**	**700XH**	**770XH**	**840XH**	**980XH**	**1120XH**	**1260XH**	**1400XH**	**1540XH**	**1750XH**
....	....	14.00	17.50	21.00	24.50	31.50	38.50	45.50	52.50	59.50	70.00
11.37	14.00	17.50	21.00	24.50	28.00	35.00	42.00	49.00	56.00	83.00	73.50
12.25	14.87	18.37	21.87	25.37	28.87	35.87	42.87	49.87	56.87	83.87	74.37
13.12	15.75	19.25	22.75	26.25	29.75	36.75	43.75	50.75	57.75	64.75	75.25
14.00	16.62	20.12	23.62	27.12	30.62	37.62	44.62	51.62	58.62	65.62	76.12
14.87	17.50	21.00	24.50	28.00	31.50	38.50	45.50	52.50	59.50	66.50	77.00
15.75	18.37	21.87	25.37	28.87	32.37	39.37	46.37	53.37	60.37	67.37	77.87
16.62	19.25	22.75	26.25	29.75	33.25	40.25	47.25	54.25	61.25	68.25	78.75
17.50	20.12	23.62	27.12	30.62	34.12	41.12	48.12	55.12	62.12	69.12	79.62
11.80	14.43	17.93	21.43	24.93	28.43	35.43	42.43	49.43	56.43	83.43	73.93
12.68	15.31	18.81	22.31	25.81	29.31	36.31	43.31	50.31	57.31	64.31	74.81
13.56	16.18	19.68	23.18	26.68	30.18	37.18	44.18	51.18	58.18	65.18	75.68
14.43	17.06	20.56	24.06	27.56	31.06	38.06	45.06	52.06	59.06	66.06	76.56
15.31	17.93	21.43	24.93	28.43	31.93	38.93	45.93	52.93	59.93	66.93	77.43
16.18	18.81	22.31	25.81	29.31	32.81	39.81	46.81	53.81	60.81	67.81	78.31
17.06	19.68	23.18	26.68	30.18	33.68	40.68	47.68	54.68	61.68	68.68	79.18
12.23	14.86	18.36	21.86	25.36	28.87	35.87	42.87	49.87	56.87	83.87	74.37
13.11	15.74	19.24	22.74	26.24	29.74	36.74	43.74	50.74	57.74	64.74	75.24
13.98	16.61	20.11	23.61	27.12	30.62	37.62	44.62	51.62	58.62	65.62	76.12
14.66	17.49	20.99	24.49	27.99	31.49	38.49	45.49	52.49	59.49	66.49	76.99
....	....	....	15.71	19.21	22.72	29.72	36.73	43.73	50.73	57.74	68.24
15.74	18.36	21.86	25.36	28.87	32.37	39.37	46.37	53.37	60.37	67.37	77.87
16.61	19.24	22.74	26.24	29.74	33.24	40.24	47.24	54.24	61.24	68.24	78.74
12.66	15.29	18.79	22.29	25.79	29.30	36.30	43.30	50.30	57.30	64.30	74.80
	12.19	15.71	19.21	22.72	26.22	33.23	40.23	47.23	54.23	61.24	71.74
13.53	16.16	19.67	23.17	26.67	30.17	37.17	44.18	51.18	58.18	65.18	75.68
14.41	17.04	20.54	24.04	27.55	31.05	38.05	45.05	52.05	59.05	66.05	76.55
15.29	17.91	21.42	24.92	28.42	31.92	38.92	45.93	52.93	59.93	66.93	77.43
	12.61	16.12	19.63	23.14	26.65	33.65	40.66	47.66	54.67	61.67	72.17
13.07	15.71	19.21	22.72	26.22	29.72	36.73	43.73	50.73	57.74	64.74	75.24
16.16	18.79	22.29	25.79	29.30	32.80	39.80	46.80	53.80	60.80	67.80	78.30
13.95	16.58	20.09	23.59	27.10	30.60	37.60	44.61	51.61	58.61	65.61	76.11
14.83	17.46	20.97	24.47	27.97	31.48	38.48	45.48	52.48	59.49	66.49	76.99
10.36	13.01	16.54	20.05	23.56	27.07	34.08	41.09	48.09	55.10	62.10	72.60
15.71	18.34	21.84	25.35	28.85	32.35	39.35	46.36	53.36	60.36	67.36	77.86
13.49	16.12	19.63	23.14	26.65	30.15	37.16	44.16	51.16	58.17	65.17	75.67
....	....	....	....	16.38	19.93	26.98	34.01	41.03	48.04	55.05	65.56
		13.82	17.35	20.88	24.39	31.42	38.43	45.44	52.45	59.45	69.96
14.37	17.00	20.51	24.02	27.52	31.03	38.03	45.04	52.04	59.04	66.04	76.55
10.76	13.42	16.95	20.47	23.98	27.49	34.50	41.50	48.52	55.52	62.53	73.03
15.24	17.88	21.39	24.89	28.40	31.90	38.91	45.91	52.91	59.92	66.92	77.42
....	....	14.21	17.76	21.29	24.81	31.83	38.85	45.86	52.87	59.88	70.39♠
13.89	16.54	20.05	23.56	27.07	30.58	37.58	44.59	51.59	58.60	65.60	76.10
11.15	13.82	17.35	20.88	24.39	27.91	34.92	41.94	48.94	55.95	62.96	73.46
14.78	17.42	20.93	24.44	27.95	31.45	38.45	38.46	52.47	59.47	66.47	76.98
....	11.02	14.60	18.16	21.69	25.22	32.25	39.27	46.29	53.30	60.31	70.82♠
14.30	16.95	20.47	23.98	27.49	31.00	38.01	45.02	52.02	59.03	66.03	76.53
....	....	....	....	....	16.90	24.08	31.18	38.24	45.28	52.31	62.84
11.54	14.21	17.76	21.29	24.81	28.32	35.34	42.36	49.37	56.38	83.38	73.89

XH Belt Width Table

Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Shaded area indicates stock belt widths.

♠ Flanges required on both pulleys.



XH Stock Drive Selections

Driven Speeds for Motor Speeds of			Speed Ratio	Pulley Combination				HP for a 1 Wide Belt for Motor Speeds of ▲		
				Driver		Driven				
1750	1160	870		No. of Teeth	Pitch Diam.	No. of Teeth	Pitch Diam.	1750	1160	870
948	628	471	1.85	26XH	7.241	48XH	13.369	17.17	12.13	9.29
933	618	464	1.88	32XH	8.913	60XH	16.711	19.87	14.57	11.29
875	580	435	2.00	30XH	8.356	60XH	16.711	19.06	13.79	10.63
875	580	435	2.00	24XH	6.685	48XH	13.369	16.14★	11.29	8.61
875	580	435	2.00	20XH	5.570	40XH	11.141	13.85★	9.51★	7.23★
833	552	414	2.10	40XH	11.141	84XH	23.396	22.22	17.44	13.79
817	541	407	2.14	28XH	7.799	60XH	16.711	18.16	12.97	9.97
802	531	399	2.18	22XH	6.127	48XH	13.369	15.03★	10.41★	7.92
....	523	392	2.22	18XH	5.013	40XH	11.141	....	8.61★	6.52★
778	516	387	2.25	32XH	8.913	72XH	20.054	19.87	14.57	11.29
758	502	377	2.31	26XH	7.241	60XH	16.711	17.17	12.13	9.29
729	483	363	2.40	40XH	11.141	96XH	26.738	22.22	17.44	13.79
729	483	363	2.40	30XH	8.356	72XH	20.054	19.06	13.79	10.63
729	483	363	2.40	20XH	5.570	48XH	13.369	13.85★	9.51★	7.23★
700	464	348	2.50	24XH	6.685	60XH	16.711	16.14★	11.29	8.61
681	451	339	2.57	28XH	7.799	72XH	20.054	18.16	12.97	9.97
667	442	331	2.63	32XH	8.913	84XH	23.396	19.87	14.57	11.29
....	434	326	2.67	18XH	5.013	48XH	13.369	....	8.61★	6.52★
642	425	319	2.73	22XH	6.127	60XH	16.711	15.03★	10.41★	7.92
632	419	314	2.77	26XH	7.241	72XH	20.054	17.17	12.13	9.29
625	414	311	2.80	30XH	8.356	84XH	23.396	19.06	13.79	10.63
583	387	290	3.00	40XH	11.141	120XH	33.423	22.22	17.44	13.79
583	387	290	3.00	32XH	8.913	96XH	26.738	19.87	14.57	11.29
583	387	290	3.00	28XH	7.799	84XH	23.396	18.16	12.97	9.97
583	387	290	3.00	24XH	6.685	72XH	20.054	16.14★	11.29	8.61
583	387	290	3.00	20XH	5.570	60XH	16.711	13.85★	9.51★	7.23★
547	363	272	3.20	30XH	8.356	96XH	26.738	19.06	13.79	10.63
542	359	269	3.23	26XH	7.241	84XH	23.396	17.17	12.13	9.29
535	355	266	3.27	22XH	6.127	72XH	20.054	15.03★	10.41★	7.92
....	348	261	3.33	18XH	5.013	60XH	16.711	....	8.61★	6.52★
510	338	254	3.43	28XH	7.799	96XH	26.738	18.16	12.97	9.97
500	331	249	3.50	24XH	6.685	84XH	23.396	16.14★	11.29	8.61
486	322	242	3.60	20XH	5.570	72XH	20.054	13.85★	9.51★	7.23★
474	314	236	3.69	26XH	7.241	96XH	26.738	17.17	12.13	9.29
467	309	232	3.75	32XH	8.913	120XH	33.423	19.87	14.57	11.29
458	304	228	3.82	22XH	6.127	84XH	23.396	15.03★	10.41	7.92
438	290	218	4.00	30XH	8.356	120XH	33.423	19.06	13.79★	10.63
438	290	218	4.00	24XH	6.685	98XH	26.738	16.14★	11.29	8.61
....	290	218	4.00	18XH	5.013	72XH	20.054	....	8.61★	6.52★
416	276	207	4.20	20XH	5.570	84XH	23.396	13.85★	9.51★	7.23★
408	270	203	4.29	28XH	7.799	120XH	33.423	18.16	12.97	9.97
401	266	200	4.36	22XH	6.127	96XH	26.738	15.03★	10.41★	7.92
379	251	188	4.62	26XH	7.241	120XH	33.423	17.17	12.13	9.29
....	249	186	4.67	18XH	5.013	84XH	23.396	....	8.61★	6.52★
365	242	181	4.80	20XH	5.570	96XH	26.738	13.85★	9.51★	7.23★
350	232	174	5.00	24XH	6.685	120XH	33.423	16.14★	11.29	8.61
....	217	162	5.33	18XH	5.013	96XH	26.738	....	8.61★	6.52★
321	212	159	5.45	22XH	6.127	120XH	33.423	15.03	10.41★	7.92
292	193	145	6.00	20XH	5.570	120XH	33.423	13.85★	9.51★	7.23★
....	174	130	6.67	18XH	5.013	120XH	33.423	....	8.61★	6.52★

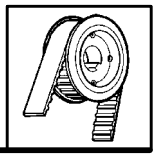
▲ HP ratings are for conventional speed-reduction drives. For Speed-Up Drives refer to page PT10--17.

★ Pulley Diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive selection, whenever possible.

†‡ See Teeth in Mesh table on opposite page.

♠ Flanges required on both pulleys.

DODGE®



XH Stock Drive Selections

Nominal Center Distance Using DYNA-SYNC Belts

507XH	560XH	630XH	700XH	770XH	840XH	980XH	1120XH	1260XH	1400XH	1540XH	1750XH
....	11.39	14.99	18.55	22.10	25.63	32.66	39.69	46.71	53.72	60.73	71.24
....	....	....	14.34	17.95	21.52	28.60	35.66	42.69	49.72	56.74	67.26
....	....	....	14.71	18.33	21.91	29.01	36.07	43.11	50.13	57.15	67.68♠
....	11.77	15.38	18.95	22.50	26.03	33.08	40.11	47.13	54.14♠	61.15♠	71.67♠
11.92	14.60	18.16	21.69	25.22	28.74	35.76	42.78	49.79	56.80	63.81	74.32
....	....	....	....	....	....	20.97	28.20	35.34	42.43	49.49	60.06
....	....	....	15.08	18.71	22.30	29.41	36.47	43.52	50.55	57.57	68.10♠
....	12.14	15.77	19.34	22.90	26.43	33.49	40.52	47.54	54.56♠	61.58♠	72.09♠
12.30	14.99	18.55	22.10	25.83	29.15	36.18	43.20	50.21	57.23	64.24	74.75
....	....	....	....	....	18.40	25.64	32.77	39.86	46.91	53.96	64.50
....	....	....	15.45	19.09	22.69	29.81	36.88	43.93	50.96	57.99♠	68.52♠
....	....	....	....	....	....	....	25.02	32.30	39.47	46.59	57.21
....	....	....	....	15.03	18.76	26.02	33.17	40.26	47.32	54.37	64.92
....	12.51	16.15	19.73	23.29	26.84	33.90	40.94	47.96♠	54.98♠	62.00♠	72.52♠
....	....	....	15.82	19.47	23.07	30.20	37.28	44.34	51.38	58.41♠	68.94♠
....	....	....	....	15.38	19.13	26.41	33.56	40.66	47.73	54.78	65.33♠
....	....	....	....	....	....	22.44	29.73	36.91	44.02	51.11	61.70
10.05	12.87	16.53	20.12	23.69	27.24	34.30	41.35♠	48.38♠	55.40♠	62.42♠	72.94♠
....	....	12.41	16.19	19.85	23.46	30.60	37.69	44.74	51.79♠	58.82♠	69.36♠
....	....	....	....	15.74	19.50	26.79	33.95	41.06	48.13	55.19	65.75♠
....	....	....	....	....	....	22.81	30.11	37.30	44.42	51.51	62.10
....	....	....	....	....	....	....	....	25.52	33.10	40.45	51.28
....	....	....	....	....	....	18.85	26.48	33.81	41.02	48.17	58.82
....	....	....	....	....	....	23.17	30.49	37.69	44.82	51.91	62.51♠
....	....	....	....	16.09	19.86	27.17	34.34	41.46	48.53	55.59♠	66.16♠
....	....	12.76	16.55	20.22	23.84	30.99	38.09	45.15♠	52.20♠	59.23♠	69.77♠
....	....	....	....	....	....	19.19	26.84	34.19	41.41	48.56	59.22
....	....	....	....	....	15.82	27.55	34.73	38.07	48.94	52.31	62.91♠
....	....	....	....	16.44	20.22	23.53	30.87	41.85	45.21	56.00♠	66.57♠
....	....	13.11	16.91	20.60	24.22	31.39	38.49	45.56♠	52.61♠	59.65♠	70.19♠
....	....	....	....	....	....	19.53	27.21	34.57	41.79	48.95	59.62
....	....	....	....	....	16.16	23.89	31.25	38.46	45.60	52.71	63.32♠
....	....	....	....	16.78	20.58	27.93	35.12	42.25	49.34♠	56.41♠	66.98♠
....	....	....	....	....	....	19.87	27.57	34.94	42.18	49.34	60.01♠
....	....	....	....	....	....	....	....	26.90	34.55	41.94	52.82
....	....	....	....	....	16.49	24.25	31.62	38.84	46.00	53.10♠	63.72♠
....	....	....	....	....	....	....	....	27.25	34.91	42.31	53.20
....	....	....	....	....	....	20.20	27.93	35.31	42.56	49.73	60.41♠
....	....	....	13.08†	17.13	20.94	28.30	35.51	42.64♠	49.74♠	56.81♠	67.39♠
....	....	....	....	....	16.83	24.61	32.00	39.23	46.39♠	53.50♠	64.13♠
....	....	....	....	....	....	....	....	27.59	35.27	42.68	53.58
....	....	....	....	....	....	20.54	28.28	35.69	42.94	50.12♠	60.81♠
....	....	....	....	....	....	....	....	27.93	35.83	43.05	53.96
....	....	....	....	....	17.16†	24.97	32.37	39.61	46.78♠	53.90♠	64.53♠
....	....	....	....	....	....	20.88	28.64	36.06	43.32	50.51♠	81.20♠
....	....	....	....	....	....	....	....	28.27	35.98	43.42	54.34♠
....	....	....	....	....	....	21.21	29.00	36.43	43.70♠	50.89♠	61.60♠
....	....	....	....	....	....	....	....	28.61	36.34	43.79	54.72♠
....	....	....	....	....	....	....	20.40†	28.95	36.69	44.16	55.10♠
....	....	....	....	....	....	....	20.71‡	29.29	37.05	44.52♠	55.48♠

XH Belt Width Table

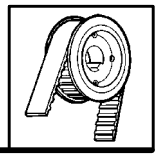
Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Teeth in Mesh Factor (T.I.M.)

Shaded area indicates stock belt widths.

Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor	Table Symbol	No. of Teeth In Mesh In Small Pulley	Factor
None	6 or More	1.00	‡	4	.60
†	5	.80			

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



XL Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1″ Wide Belt for Various Pulleys												
	10XL .637 P.D.	11XL .700 P.D.	12XL .764 P.D.	14XL .891 P.D.	15XL .955 P.D.	16XL 1.019 P.D.	18XL 1.146 P.D.	20XL 1.273 P.D.	21XL 1.337 P.D.	22XL 1.401 P.D.	24XL 1.528 P.D.	28XL 1.783 P.D.	30XL 1.910 P.D.
100	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.05	.06	.06
200	.04	.04	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.12
300	.06	.07	.07	.09	.09	.10	.11	.12	.13	.13	.14	.17	.18
400	.08	.09	.10	.11	.12	.13	.14	.16	.17	.17	.19	.23	.24
500	.10	.11	.12	.14	.15	.16	.18	.20	.21	.22	.24	.29	.30
600	.12	.13	.14	.17	.18	.19	.22	.24	.26	.27	.29	.34	.37
700	.14	.15	.17	.20	.21	.23	.26	.28	.30	.31	.34	.40	.43
800	.16	.17	.19	.23	.24	.26	.30	.33	.34	.36	.40	.48	.49
900	.18	.20	.22	.26	.27	.30	.33	.37	.39	.40	.44	.51	.55
1000	.20	.22	.24	.29	.31	.33	.37	.41	.43	.45	.49	.57	.62
1100	.22	.25	.26	.31	.34	.36	.40	.45	.47	.49	.54	.63	.68
1160	.23	.26	.28	.33	.36	.38	.42	.46	.50	.52	.56	.66	.71
1200	.24◆	.27	.29	.34	.37	.39	.44	.49	.52	.54	.59	.68	.74
1300	.26◆	.29	.31	.37	.40	.42	.48	.53	.56	.58	.64	.74	.80
1400	.28◆	.31	.34	.40	.43	.46	.52	.57	.60	.63	.69	.80	.86
1500	.30◆	.34	.36	.43	.46	.49	.55	.61	.64	.67	.74	.86	.92
1600	.33◆	.36	.40	.46	.49	.53	.59	.65	.69	.72	.79	.91	.98
1700	.35◆	.38	.42	.49	.52	.56	.63	.67	.73	.77	.83	.97	1.04
1750	.36◆	.39	.43	.50	.53	.58	.64	.72	.75	.79	.86	1.00	1.07
1800	.37◆	.40◆	.44	.51	.55	.59	.66	.74	.77	.81	.88	1.03	1.10
2000	.41◆	.45◆	.49	.57	.62	.65	.74	.82	.86	.90	.98	1.15	1.23
2200	.45◆	.49◆	.54	.63	.68	.72	.81	.90	.94	.99	1.08	1.25	1.34
2400	.49◆	.54◆	.59	.68	.74	.79	.88	.98	1.03	1.07	1.18	1.37	1.46
2600	.53◆	.58◆	.64	.74	.80	.85	.96	1.06	1.12	1.17	1.25	1.48	1.58
2800	.57◆	.63◆	.69	.80	.86	.92	1.03	1.15	1.20	1.26	1.37	1.59	1.71
3000	.61◆	.67◆	.74	.86	.92	.98	1.10	1.23	1.28	1.34	1.46	1.71	1.82
3200	.65◆	.72◆	.79	.91	.98	1.05	1.18	1.30	1.37	1.43	1.56	1.81	1.94
3400	.69◆	.77◆	.83	.97	1.04	1.11	1.25	1.38	1.45	1.52	1.66	1.92	2.05
3500	.72◆	.79◆	.86	1.00	1.07	1.15	1.28	1.42	1.49	1.57	1.71	1.98	2.11
3600	.74◆	.81◆	.88◆	1.03	1.10	1.18	1.32	1.46	1.54	1.61	1.75	2.03	2.16
3800	.78◆	.83◆	.93◆	1.09	1.17	1.24	1.39	1.54	1.62	1.70	1.84	2.13	2.27
4000	.82◆	.90◆	.98◆	1.15	1.23	1.30	1.46	1.63	1.71	1.78	1.94	2.24	2.39
4200	.86◆	.94◆	1.03◆	1.20	1.28	1.37	1.53	1.71	1.76	1.86	2.03	2.35	2.50
4400	.90◆	.99◆	1.08◆	1.25◆	1.34	1.43	1.61	1.78	1.86	1.95	2.12	2.45	2.61
4600	.94◆	1.03◆	1.13◆	1.31◆	1.40	1.50	1.68	1.66	1.95	2.04	2.21	2.55	2.71
4800	.98◆	1.07◆	1.18◆	1.37◆	1.46	1.56	1.75	1.94	2.03	2.13	2.30	2.65	2.82
5000	1.02◆	1.12◆	1.23◆	1.42◆	1.52	1.63	1.82	2.01	2.11	2.20	2.39	2.75	2.92
5500	....	....	....	....	1.67◆	1.78	2.00	2.20	2.30	2.41	2.61	2.99	3.18
6000	....	....	....	....	1.82◆	1.94	2.16	2.39	2.50	2.61	2.82	3.23	3.41
6500	....	....	....	....	1.96◆	2.09	2.34	2.57	2.69	2.80	3.03	3.42	3.64
7000	....	....	....	....	2.11◆	2.24◆	2.50	2.75	2.87	2.99	3.23	3.65	3.84
7500	....	....	....	....	2.25◆	2.39◆	2.66	2.92	3.05	3.18	3.41	3.84	4.03
8000	....	....	....	....	....	....	2.82◆	3.10	3.23	3.34	3.59	4.02	4.21
8500	....	....	....	....	....	....	2.97◆	3.26	3.39	3.52	3.76	4.19	4.37
9000	....	....	....	....	....	....	3.13◆	3.41◆	3.55	3.68	3.92	4.34	4.51
9500	....	....	....	....	....	....	3.28◆	3.56◆	3.70	3.83	4.07	4.47	4.63
10000	....	....	....	....	....	....	3.41◆	3.71◆	3.84	3.97	4.21	4.59	4.72

XL Belt Width Table

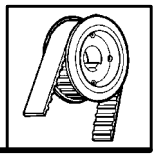
Belt Width Factor	.15	.28	.35	.42	.57	.71	.86	1.00	1.29	1.56
Belt Width	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Belt Width Code	025	037	043	050	062	075	087	100	125	150

Shaded area indicates stock belt widths.

◆ Pulley diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive, when ever possible.

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45

DODGE®



L Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1″ Wide Belt for Various Pulleys																		
	10L 1.194 P.D.	12L 1.432 P.D.	13L▲ 1552 P.D.	14L 1.671 P.D.	15L▲ 1.790 P.D.	16L 1.910 P.D.	17L 2.029 P.D.	18L 2.149 P.D.	19L 2.268 P.D.	20L 2.387 P.D.	21L 2.507 P.D.	22L 2.626 P.D.	24L 2.865 P.D.	26L 3.104 P.D.	28L 3.342 P.D.	30L 3.581 P.D.	32L 3.820 P.D.	40L 4.775 P.D.	48L 5.730 P.D.
100	.05◆	.06	.07	.07	.08	.08	.09	.09	.10	.10	.11	.12	.13	.14	.15	.16	.17	.21	.25
200	.10◆	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.25	.27	.29	.31	.33	.42	.50
300	.16◆	.19	.20	.22	.23	.25	.27	.28	.30	.31	.33	.34	.38	.41	.44	.47	.50	.63	.75
400	.21◆	.25	.27	.29	.31	.33	.35	.38	.40	.42	.44	.46	.50	.54	.58	.62	.67	.83	1.00
500	.26◆	.31	.34	.37	.39	.42	.44	.47	.50	.52	.55	.57	.63	.68	.73	.78	.83	1.04	1.24
600	.31◆	.37	.41	.44	.47	.50	.53	.56	.59	.63	.66	.69	.75	.81	.87	.94	1.00	1.24	1.49
700	.37◆	.44	.47	.51	.55	.58	.62	.66	.69	.73	.77	.80	.87	.95	1.02	1.09	1.16	1.45	1.73
800	.42◆	.50	.54	.58	.62	.67	.71	.75	.79	.83	.87	.92	1.00	1.08	1.16	1.24	1.32	1.85	1.97
870	.45◆	.54	.59	.63	.68	.73	.77	.82	.86	.91	.95	1.00	1.08	1.17	1.26	1.35	1.44	1.79	2.14
900	.47◆	.56	.61	.66	.70	.75	.80	.84	.89	.94	.98	1.03	1.12	1.21	1.30	1.40	1.49	1.65	2.21
1000	.52◆	.62	.88	.73	.78	.83	.89	.94	.99	1.04	1.09	1.14	1.24	1.34	1.45	1.55	1.65	2.05	2.44
1100	.57◆	.69	.75	.80	.86	.92	.97	1.03	1.08	1.14	1.20	1.25	1.36	1.48	1.59	1.70	1.81	2.25	2.67
1160	.60◆	.72	.79	.85	.91	.97	1.03	1.08	1.14	1.20	1.26	1.32	1.44	1.56	1.67	1.79	1.91	2.36	2.81
1200	.63◆	.75◆	.81	.88	.94	1.00	1.06	1.12	1.18	1.24	1.30	1.36	1.49	1.61	1.73	1.85	1.97	2.44	2.90
1300	.68◆	.81◆	.68	.95	1.01	1.08	1.15	1.21	1.28	1.34	1.41	1.48	1.61	1.74	1.87	2.00	2.13	2.63	3.12
1400	.73◆	.87◆	.95	1.02	1.09	1.16	1.23	1.30	1.38	1.45	1.52	1.59	1.73	1.87	2.01	2.15	2.29	2.82	3.34
1500	.78◆	.94◆	1.02◆	1.09	1.16	1.24	1.32	1.40	1.47	1.55	1.62	1.70	1.85	2.00	2.15	2.30	2.44	3.01	3.55
1600	.83◆	1.00◆	1.08◆	1.16	1.24	1.32	1.41	1.49	1.57	1.65	1.73	1.81	1.97	2.13	2.28	2.44	2.60	3.20	3.76
1700	.89◆	1.06◆	1.15◆	1.23	1.32	1.41	1.49	1.58	1.66	1.75	1.83	1.92	2.09	2.26	2.42	2.59	2.75	3.38	3.97
1750	.91◆	1.09◆	1.17◆	1.27	1.36	1.45	1.54	1.62	1.71	1.80	1.89	1.98	2.15	2.32	2.49	2.66	2.83	3.47	4.06
1800	....	1.12◆	1.21◆	1.30◆	1.39	1.49	1.58	1.67	1.76	1.85	1.94	2.03	2.21	2.38	2.56	2.73	2.90	3.55	4.16
1900	....	1.18◆	1.27◆	1.38◆	1.47	1.57	1.66	1.76	1.85	1.95	2.04	2.14	2.32	2.51	2.69	2.87	3.05	3.73	4.35
2000	....	1.24◆	1.35◆	1.45◆	1.55	1.65	1.75	1.85	1.95	2.05	2.15	2.25	2.44	2.63	2.82	3.01	3.19	3.89	4.54
2200	....	1.36◆	1.48◆	1.59◆	1.70	1.81	1.92	2.03	2.14	2.25	2.35	2.46	2.67	2.88	3.08	3.28	3.49	4.23	4.89
2400	....	1.49◆	1.61◆	1.73◆	1.85	1.97	2.09	2.21	2.32	2.44	2.56	2.67	2.90	3.12	3.34	3.56	3.76	4.54	5.21
2500	....	1.55◆	1.68◆	1.80◆	1.92◆	2.05	2.17	2.30	2.42	2.54	2.66	2.78	3.01	3.24	3.47	3.68	3.90	4.69	5.35
2600	....	1.61◆	1.74◆	1.87◆	2.00◆	2.13	2.26	2.38	2.51	2.63	2.76	2.88	3.12	3.36	3.59	3.81	4.03	4.83	5.48
2800	....	1.73◆	1.87◆	2.01◆	2.14◆	2.29	2.42	2.56	2.69	2.82	2.96	3.09	3.34	3.59	3.83	4.06	4.29	5.10	5.73
3000	....	1.85◆	2.00◆	2.15◆	2.29◆	2.44	2.59	2.73	2.87	3.01	3.15	3.29	3.55	3.81	4.06	4.30	4.54	5.35	5.94
3200	....	....	2.13◆	2.28◆	2.44◆	2.60	2.74	2.90	3.04	3.19	3.34	3.48	3.76	4.03	4.29	4.54	4.77	5.57	6.11
3400	....	....	2.26◆	2.42◆	2.58◆	2.75	2.91	3.07	3.22	3.37	3.53	3.67	3.97	4.24	4.50	4.76	4.99	5.78	6.23
3500	....	....	2.32◆	2.49◆	2.65◆	2.83	2.99	3.15	3.31	3.46	3.62	3.77	4.06	4.35	4.61	4.86	5.10	5.87	6.27
3600	....	....	....	2.55◆	2.73◆	2.90◆	3.07◆	3.23	3.39	3.55	3.71	3.86	4.16	4.45	4.72	4.97	5.21	5.95	6.31
3800	....	....	....	2.69◆	2.86◆	3.03◆	3.22◆	3.40	3.56	3.73	3.89	4.05	4.35	4.64	4.91	5.16	5.40	6.09	6.33
4000	....	....	....	2.83◆	3.00◆	3.20◆	3.37◆	3.56	3.73	3.89	4.06	4.23	4.54	4.83	5.10	5.34	5.57	6.21	6.31
4200	....	....	....	....	3.15◆	3.34◆	3.53◆	3.72	3.88	4.06	4.23	4.40	4.72	5.01	5.28	5.52	5.74	6.28	6.23
4400	....	....	....	....	3.28◆	3.49◆	3.67◆	3.86	4.04	4.22	4.40	4.57	4.89	5.19	5.44	5.68	5.88	6.33	6.09†
4600	....	....	....	....	3.41◆	3.63◆	3.82◆	4.01	4.20	4.38	4.56	4.73	5.05	5.34	5.59	5.82	6.01	6.35	5.89†
4800	....	....	....	....	3.54◆	3.77◆	3.96◆	4.17	4.35	4.54	4.72	4.89	5.20	5.48	5.73	5.94	6.12	6.32	5.63†
5000	....	....	....	....	3.67◆	3.91◆	4.10◆	4.31◆	4.50◆	4.68	4.86	5.04	5.35	5.63	5.86	6.06	6.20	6.26	5.30†
5200	....	....	....	....	3.81◆	4.03◆	4.23◆	4.45◆	4.63◆	4.82	5.01	5.18	5.48	5.76	5.98	6.15	6.27	6.16†	4.91†
5400	....	....	....	....	3.93◆	4.17◆	4.37◆	4.59◆	4.77◆	4.96	5.14	5.31	5.61	5.88	6.07	6.23	6.32	6.01†	4.44†
5600	....	....	....	....	4.05◆	4.29◆	4.50◆	4.72◆	4.91◆	5.09	5.28	5.44	5.73	5.98	6.16	6.28	6.34	5.83†	3.89†
5800	....	....	....	....	4.17◆	4.42◆	4.62◆	4.84◆	5.04◆	5.22	5.40	5.57	5.84	6.07	6.23	6.32	6.34	5.60†	3.27†
6000	....	....	....	....	4.29◆	4.55◆	4.75◆	4.97◆	5.15◆	5.34	5.52	5.68	5.93	6.15	6.28	6.35	6.33	5.32†	2.57†

L Belt Width Table

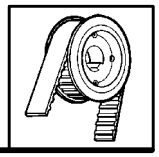
Belt Width Factor	.28	.35	.45	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36
Belt Width	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
Belt Width Code	037	043	050	062	075	087	100	125	150	175	200	250	300

Shaded area indicates stock belt widths.

▲ Special non-stock sizes.

† Belt speed exceeds 6500 FPM—consult Dodge.

◆ Pulley diameter is below recommended minimum. A reduction in bed life should be expected. Suggest alternate drive, whenever possible.



H Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1″ Wide Belt for Various Pulleys																
	14H 2.228 P.D.	16H 2.546 P.D.	17H 2.706 P.D.	18H 2.865 P.D.	19H 3.024 P.D.	20H 3.183 P.D.	21H 3.342 P.D.	22H 3.501 P.D.	24H 3.820 P.D.	26H 4.138 P.D.	28H 4.456 P.D.	30H 4.775 P.D.	32H 5.039 P.D.	36H▲ 5.730 P.D.	40H 6.366 P.D.	44H▲ 7.003 P.D.	48H 7.639 P.D.
100	.25	.28	.30	.32	.34	.35	.37	.39	.42	.46	.50	.53	.57	.64	.71	.78	.85
200	.50	.57	.60	.64	.67	.71	.74	.78	.85	.92	.99	1.06	1.13	1.27	1.41	1.56	1.70
300	.74	.85	.90	.96	1.01	1.06	1.11	1.17	1.27	1.38	1.49	1.59	1.70	1.91	2.12	2.33	2.54
400	.99	1.13	1.20	1.27	1.34	1.41	1.49	1.56	1.70	1.84	1.98	2.12	2.26	2.54	2.82	3.10	3.38
500	1.24	1.41	1.50	1.59	1.68	1.77	1.86	1.94	2.12	2.30	2.47	2.65	2.82	3.17	3.52	3.87	4.22
600	1.49	1.70	1.80	1.91	2.02	2.12	2.23	2.33	2.54	2.75	2.96	3.17	3.38	3.80	4.22	4.64	5.05
700	1.73	1.98	2.10	2.23	2.35	2.47	2.59	2.72	2.96	3.21	3.45	3.70	3.94	4.43	4.91	5.40	5.88
800	1.98	2.26	2.40	2.54	2.68	2.82	2.96	3.10	3.38	3.66	3.94	4.22	4.50	5.05	5.60	6.15	6.69
870	2.15	2.46	2.61	2.76	2.91	3.07	3.22	3.37	3.68	3.98	4.28	4.58	4.89	5.49	6.08	6.67	7.26
900	2.23◆	2.54	2.70	2.86	3.01	3.17	3.33	3.49	3.80	4.11	4.43	4.74	5.05	5.67	6.29	6.89	7.50
1000	2.47◆	2.82	3.00	3.17	3.35	3.52	3.70	3.87	4.22	4.57	4.91	5.26	5.60	6.29	6.96	7.63	8.30
1100	2.72◆	3.10	3.30	3.49	3.68	3.87	4.06	4.26	4.64	5.02	5.40	5.77	6.15	6.90	7.63	8.36	9.08
1160	2.86◆	3.27	3.47	3.68	3.88	4.08	4.28	4.48	4.89	5.28	5.68	6.08	6.48	7.26	8.03	8.80	9.55
1200	....	3.38◆	3.59	3.80	4.01	4.22	4.43	4.64	5.05	5.46	5.88	6.29	6.69	7.50	8.30	9.08	9.86
1300	....	3.66◆	3.89	4.12	4.34	4.57	4.79	5.01	5.46	5.91	6.35	6.79	7.23	8.10	8.95	9.79	10.62
1400	....	3.94◆	4.19	4.43	4.67	4.91	5.15	5.39	5.87	6.35	6.83	7.30	7.77	8.69	9.60	10.49	11.36
1500	....	4.22◆	4.48◆	4.74	5.00	5.26	5.51	5.77	6.28	6.79	7.30	7.80	8.30	9.28	10.24	11.18	12.09
1600	....	4.50◆	4.78◆	5.05	5.33	5.60	5.87	6.15	6.69	7.23	7.77	8.30	8.82	9.86	10.87	11.85	12.80
1700	....	4.77◆	5.07◆	5.36	5.65	5.94	6.23	6.52	7.10	7.67	8.23	8.79	9.34	10.43	11.49	12.51	13.50
1750	....	4.91◆	5.22◆	5.52	5.81	6.11	6.41	6.71	7.30	7.88	8.46	9.03	9.60	10.71	11.79	12.84	13.84
1800	....	5.05◆	5.36◆	5.67◆	5.98	6.28	6.59	6.89	7.50	8.10	8.69	9.28	9.86	10.99	12.09	13.15	14.18
1900	....	5.42◆	5.66◆	5.98◆	6.30	6.62	6.94	7.26	7.90	8.53	9.15	9.76	10.36	11.55	12.69	13.78	14.83
2000	....	5.60	5.95◆	6.28◆	6.62	6.96	7.30	7.63	8.29	8.95	9.60	10.24	10.87	12.10	13.27	14.40	15.46
2100	....	....	....	6.59◆	6.94	7.29	7.65	8.00	8.69	9.37	10.05	10.71	11.36	12.63	13.84	14.99	16.08
2200	....	....	....	6.89◆	7.26	7.63	8.00	8.36	9.08	9.79	10.49	11.18	11.85	13.16	14.40	15.57	16.66
2300	....	....	....	7.20◆	7.58	7.96	8.34	8.72	9.47	10.21	10.93	11.64	12.33	13.68	14.94	16.13	17.23
2400	....	....	....	7.50◆	7.90	8.29	8.69	9.08	9.85	10.62	11.37	12.09	12.80	14.18	15.46	16.66	17.76
2500	....	....	....	7.80◆	8.21◆	8.62	9.03	9.44	10.23	11.02	11.80	12.54	13.27	14.68	15.98	17.18	18.27
2600	....	....	....	8.10◆	8.52◆	8.95	9.37	9.79	10.61	11.42	12.22	12.98	13.72	15.16	16.47	17.67	18.75
2800	....	....	....	8.69◆	9.14◆	9.59	10.04	10.49	11.35	12.21	13.05	13.84	14.61	16.09	17.41	18.60	19.63
3000	....	....	....	9.28◆	9.75◆	10.23	10.70	11.18	12.08	12.98	13.85	14.67	15.46	16.96	18.27	19.42	20.38
3200	....	....	....	9.85◆	10.36◆	10.85	11.35	11.85	12.79	13.72	14.63	15.46	18.27	17.78	19.06	20.14	20.99
3400	....	....	....	10.43◆	10.95◆	11.47	11.99	12.51	13.48	14.45	15.37	16.22	17.03	18.53	19.76	20.75	21.46†
3500	....	....	....	10.71◆	11.24◆	11.77	12.31	12.84	13.82	14.80	15.74	16.59	17.40	18.89	20.08	21.01	21.63†
3600	....	....	....	....	....	12.07◆	12.62	13.16	14.16	15.15	16.09	16.95	17.75	19.22	20.37	21.24†	21.77†
3800	....	....	....	....	....	12.67◆	13.23	13.79	14.81	15.82	16.78	17.63	18.42	19.85	20.89	21.60†	21.92†
4000	....	....	....	....	....	13.24◆	13.82	14.40	15.44	16.46	17.43	18.27	19.04	20.40	21.31†	21.83†	21.90†
4200	....	....	....	....	....	13.81◆	14.41	15.00	16.04	17.08	18.05	18.87	19.61	20.88	21.62†	21.93†	21.70†
4400	....	....	....	....	....	14.36◆	14.97	15.57	16.63	17.67	18.82	18.42	20.12	21.27†	21.83†	21.87†	21.32†
4600	....	....	....	....	....	14.90◆	15.52◆	16.13	17.18	18.22	19.16	19.90	20.57	21.58†	21.82†	21.67†	20.73†
4800	....	....	....	....	....	15.42◆	16.05◆	16.67	17.71	18.74	19.66	20.37	20.96	21.81†	21.89†	21.30†	19.93†
5000	....	....	....	....	....	15.93◆	16.56◆	17.19	18.22	19.23	20.12	20.77	21.29†	21.95†	21.73†	20.77†	....
5200	....	....	....	....	....	16.41◆	17.05◆	17.69	18.69	19.68	20.53	21.11†	21.54†	21.99†	21.44†	20.06†	....
5400	....	....	....	....	....	18.89◆	17.53◆	18.16◆	19.13	20.09	20.90	21.39†	21.73†	21.93†	21.02†	....	....
5600	....	....	....	....	....	17.34◆	17.98◆	18.61◆	19.55	20.47	21.22†	21.62†	21.85†	21.76†	20.45†	....	....
5800	....	....	....	....	....	17.77◆	18.41◆	19.04◆	19.93	20.80	21.49†	21.78†	21.89†	21.50†	19.75†	....	....
6000	....	....	....	....	....	18.19◆	18.82◆	19.41◆	20.27	21.10†	21.70†	21.88†	21.85†	21.12†	....	....	....

H Belt Width Table

Belt Width Factor	.42	.57	.71	.86	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32
Belt Width	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5	6	7	8
Belt Width Code	050	062	075	087	100	125	150	175	200	250	300	350	400	500	600	700	800

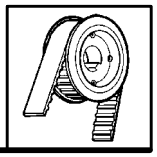
Shaded area indicates stock belt widths.

▲ Special non-stock sizes.

† Belt speed exceeds 6500 FPM—consult DODGE.

◆ Pulley diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive, whenever possible.

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45



XH Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1″ Wide Belt for Various Pulleys								
	18 XH 5.013 P.D.	20 XH 5.570 P.D.	22 XH 6.127 P.D.	24 XH 6.685 P.D.	26 XH 7.241 P.D.	28 XH 7.799 P.D.	30 XH 8.356 P.D.	32 XH 8.913 P.D.	40 XH 11.141 P.D.
100	0.76◆	0.84	0.93	1.01	1.11	1.18	1.26	1.34	1.68
200	1.51◆	1.68	1.85	2.02	2.19	2.36	2.52	2.69	3.37
300	2.28◆	2.52	2.78	3.03	3.28	3.54	3.78	4.03	5.02
400	3.03◆	3.37	3.70	4.03	4.37	4.70	5.02	5.36	6.66
480	3.63◆	4.03	4.43	4.82	5.22	5.62	6.00	6.40	7.95
500	3.78◆	4.20◆	4.61	5.02	5.44	5.85	6.26	6.71	8.26
510	3.86◆	4.29◆	4.71	5.12	5.54	5.97	6.37	6.80	8.42
570	4.30◆	4.77◆	5.25	5.72	6.17	6.65	7.10	7.56	9.36
600	4.53◆	5.02◆	5.52	6.00	6.50	6.98	7.47	7.95	9.82
680	5.12◆	5.68◆	6.24	6.80	7.34	7.88	8.42	8.96	11.04
700	5.27◆	5.84◆	6.42	6.98	7.54	8.10	8.66	9.21	11.35
800	6.00◆	6.66◆	7.31	7.95	8.59	9.21	9.83	10.44	12.80
870	6.52◆	7.23◆	7.92	8.61	9.29	9.97	10.63	11.29	13.79
900	6.74◆	7.46◆	8.19◆	8.90	9.59	10.29	10.97	11.64	14.18
1000	7.47◆	8.26◆	9.05◆	9.82	10.59	11.35	12.08	12.80	15.51
1100	8.19◆	9.05◆	9.91◆	10.75	11.56	12.38	13.15	13.92	16.74
1160	8.61◆	9.51◆	10.41◆	11.29	12.13	12.97	13.79	14.57	17.44
1200	....	9.83◆	10.75◆	11.64◆	12.51	13.37	14.29	14.99	17.89
1300	....	10.59◆	11.57◆	12.51◆	13.44	14.32	15.18	16.01	18.94
1400	....	11.35◆	12.37◆	13.37◆	14.32	15.25	16.14	16.98	19.87
1500	....	12.08◆	13.15◆	14.19◆	15.18	16.14	17.03	17.89	20.71
1600	....	12.80◆	13.92◆	14.99◆	16.01	16.98	17.14	18.82	21.42
1700	....	13.50◆	14.66◆	15.76◆	16.80	17.78	18.68	19.51	21.99
1750	....	13.85◆	15.03◆	16.14◆	17.17	18.16	19.06	19.87	22.22
1800	....	....	15.37◆	16.51◆	17.56◆	18.53	19.42	20.22	22.35
1900	....	....	16.07◆	17.22◆	18.65◆	19.23	20.69	20.86	22.70
2000	....	....	16.74◆	17.89◆	18.94◆	19.87	20.71	21.42	22.84
2100	....	....	17.39◆	18.53◆	19.56◆	20.48	21.25	21.88	22.81
2200	....	....	18.00◆	19.43◆	20.14◆	21.01	21.72	22.27	22.61
2300	....	....	18.58◆	19.70◆	20.67◆	21.47	22.11	22.55	22.30†
2400	....	....	19.13◆	20.22◆	21.14◆	21.88	22.42	22.75	21.65†
2500	....	....	....	20.71◆	21.57◆	22.22◆	22.64	22.84	20.89†
2600	....	....	....	21.14◆	21.94◆	22.49◆	22.80	22.82	19.92†
2800	....	....	....	21.89◆	22.49◆	22.81◆	22.81	22.47†	....
3000	....	....	....	22.42◆	22.80◆	22.81◆	22.44†	21.65†	....
3200	....	....	....	22.75◆	22.82◆	22.47†◆	21.65†	20.33†	....
3400	....	....	....	22.84◆	22.58◆	21.78†◆	20.42†	18.48†	....
3500	....	....	....	22.81◆	22.34†◆	21.29†◆	19.64†	....	....
3600	....	....	....	22.71◆	22.02†◆	20.72†◆	18.73†	....	....
3800	....	....	....	22.31†◆	21.41†◆	19.22†◆	....	....	....
4000	....	....	....	21.65†◆	19.92†◆	....	....	....	....
4200	....	....	....	20.71†◆	18.33†◆	....	....	....	....
4400	....	....	....	19.47†◆	....	....	....	....	....

XXH Basic Horsepower Ratings

RPM of Faster Shaft	HP for a 1″ Wide Belt for Various Pulleys							
	18 XXH 7.162 P.D.	20 XXH 7.958 P.D.	22 XXH 8.753 P.D.	24 XXH 9.549 P.D.	26 XXH 10.345 P.D.	30 XXH 11.937 P.D.	32 XXH 13.528 P.D.	40 XXH 15.915 P.D.
100	1.33◆	1.48	1.83	1.77	1.92	2.21	2.51	2.95
200	2.66◆	2.95	3.24	3.54	3.84	4.42	5.00	5.87
300	3.98◆	4.42	4.85	5.29	5.72	6.58	7.45	8.73
400	5.29◆	5.87	8.44	7.02	7.60	8.73	9.85	11.49
480	6.33◆	7.02	7.70	8.39	9.06	10.40	11.71	13.61
500	6.63◆	7.31◆	8.02	8.73	9.43	10.81	12.17	14.13
510	6.72◆	7.45◆	8.17	8.89	9.61	11.02	12.39	14.39
570	7.50◆	8.31◆	9.11	9.90	10.68	12.23	13.73	15.89
600	7.88◆	8.73◆	9.57	10.40	11.22	12.83	14.39	16.62
680	8.89◆	9.85◆	10.78	11.71	12.62	14.39	16.09	18.49
700	9.15◆	10.13◆	11.09	12.03	12.96	14.77	16.51	18.93
800	10.40◆	11.49◆	12.56	13.62	14.64	16.62	18.49	21.02
870	10.85◆	12.43◆	13.56	14.70	15.79	17.88	19.78	22.34
900	11.69◆	12.83◆	14.00◆	15.15	16.23	18.37	20.31	22.86
1000	12.83◆	14.14◆	15.40◆	16.62	17.80	20.01	21.98	24.44
1100	14.00◆	15.40◆	16.94◆	18.00	19.26	21.50	23.45	25.70
1160	14.70◆	16.14◆	17.52◆	18.84	20.01	22.34	24.23	26.29
1200	....	16.62◆	18.03◆	19.37◆	20.62	22.88	24.71	26.62
1300	....	17.80◆	19.26◆	19.88◆	21.88	24.07	26.75	27.18
1400	....	18.93◆	20.41◆	21.79◆	23.03	26.10	26.54	27.33
1500	....	19.19◆	21.50◆	22.88◆	24.07	26.95	27.06	27.05
1600	....	21.02◆	22.52◆	23.84◆	24.98	26.62	27.32	26.33†
1700	....	21.99◆	23.45◆	24.71◆	25.75	27.07	27.27	25.11†
1750	....	22.43◆	23.88◆	25.11◆	26.08	27.22	27.12	24.31†
1800	....	22.87◆	24.29◆	26.47◆	26.38◆	27.31	26.89	23.36†
1900	....	23.69◆	25.04◆	26.11◆	26.86◆	27.31	26.18†	....
2000	....	24.44◆	25.70◆	26.62◆	27.18◆	27.08	26.11†	....
2100	....	25.11◆	26.24◆	27.00◆	27.33◆	26.56†	23.66†	....
2200	....	25.70◆	26.69◆	27.24◆	27.31◆	26.79†	....	....
2300	....	26.21◆	27.03◆	27.33◆	27.09◆	24.74†	....	....
2400	....	26.62◆	27.24◆	27.28◆	26.69†	23.36†	....	....
2500	....	29.95◆	27.33◆	27.06◆	26.07†	....	....	....
2600	....	27.18◆	27.30◆	26.69†	25.25†	....	....	....
2800	....	27.34◆	26.83◆	25.40†	22.95†	....	....	....
3000	....	27.07◆	26.79	23.36†	....	....	....	....
3200	....	....	....	....	....	....	....	....
3400	....	....	....	....	....	....	....	....
3500	....	....	....	....	....	....	....	....
3600	....	....	....	....	....	....	....	....
3800	....	....	....	....	....	....	....	....
4000	....	....	....	....	....	....	....	....
4200	....	....	....	....	....	....	....	....
4400	....	....	....	....	....	....	....	....

XH, XXH Belt Width Table

Belt Width Factor	1.00	1.29	1.56	1.84	2.14	2.72	3.36	4.06	4.76	6.15	7.50	8.89	10.32	11.70	13.10	14.41	15.84	17.16	18.62
Belt Width	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3	3-1/2	4	5▲	6	7	8	9	10	11	12	13	14
Belt Width Code	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1100	1200	1300	1400

Shaded area indicates stock belt widths.

† Belt speed exceeds 6500 FPM—consult DODGE.

◆ Pulley diameter is below recommended minimum. A reduction in belt life should be expected. Suggest alternate drive, whenever possible.

▲ Stock width in XXH Series only.

FEATURES/BENEFITS PAGE PT10–2	PULLEY SPECIFICATIONS PAGES PT10–3-PT10–10	BELT SPECIFICATIONS PAGES PT10–12-PT10–11	ENGINEERING/TECHNICAL PAGES PT10–44-PT10–45

Dimensions, Tolerances, Etc.

Warning—Do not use DYNA-SYNC Pulleys with belt speeds exceeding 6500 fpm. May cause pulleys to fragment resulting in personal injury or property damage.

Concentricity and Face Run-Out Tolerances

Run-out (T.I.R.★)	O.D.	Tol.
Radial	8″ & under	.005″
	For each add'l. inch of O.D. add .0005″	
Axial	1″ & Under	.001″
	For each add'l. inch of O.D. thru 10″ add .001″	
	For each add'l. inch of O.D. over 10″ add .0005″	

★ Total Indicator Reading

Reborable Pulley Bore Tolerances

Bore Size	Tol.
15/16″ & Under	.0010″ - .0000″
1″ to 1-15/16″	.0015″ - .0000″
2″ to 2-15/16″	.0020″ - .0000″
3″ & Over	.0025″ - .0000″

Rebore Charges—Reborable pulley alteration charges are shown in MLP Price Book. TAPER-LOCK pulleys accommodate all common tolerance variations found in commercial shafting.

Balancing—All DYNA-SYNC Pulleys have been given a careful static balance for operation up to 6500 FPM. When vibration is a problem, dynamic balancing is recommended-Consult price book MLP. (See Warning above)

Special Pulleys—In 1/5 thru 1-1/4″ pitches, pulleys can be made to suit customer's specifications and may be furnished in sizes not listed on previous pages. Send us your inquiry.

Standard Keyways

Bore Range	Keyway
5/16 - 7/16 Incl.	3/32 x 3/64
Over 7/16 - 9/16 Incl.	1/8 x 1/16
Over 9/16 - 7/8 Incl.	3/16 x 3/32
Over 7/8 - 1-1/4 Inc.	1/4 x 1/8
Over 1-1/4 - 1-3/8 Inc.	5/16 x 5/32
Over 1-3/8 - 1-3/4 Incl.	3/8 x 3/16
Over 1-3/4 - 2-1/4 Inc.	1/2 x 1/4
Over 2-1/4 - 2-3/4 Incl.	5/8 x 5/16
Over 2-3/4 - 3-1/4 Incl.	3/4 x 3/8

Pulley Outside Diameter/Diameter Over Belt

Pitch	Pulley O.D.	Diameter Over Belt
XL	P.D.- 0.02"	P.D.+0.08"
L	P.D.- 0.03"	P.D.+0.11"
H	P.D.- 0.054"	P.D.+0.11"
XH	P.D.- 0.11"	P.D.+0.27"
XXH	P.D.- 0.12"	. . . . .

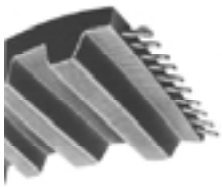
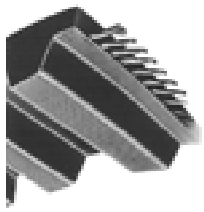
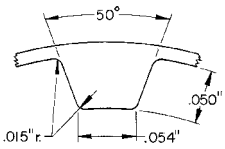
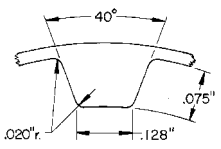
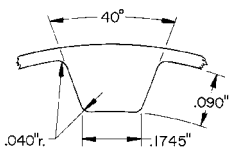
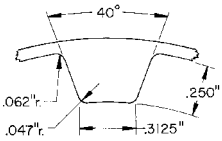
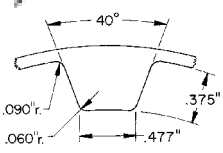
NOMENCLATURE

Pulleys

TL — Bush. System
30 — No. of Teeth
H — Pitch Code
150 — Belt Width (x100) = 1.5″

Belts

900 — Belt Lgth. (x10) = 90.0″
H — Pitch Code
300 — Belt Width (x100) = 3.0″

1/5″ pitch (XL)	3/8″ pitch (L)	1/2″ pitch (H)	7/8″ pitch (XH)	1-1/4″ pitch (XXH)
				
Typical uses are shown below the Tooth Dimensions Sketches . . .				
				
Business machines, instrumentation, sound equipment.	FHP applications such as home appliances, small tools, pumps, blowers.	Machine tools, pumps, fans, presses, motor-generator sets.	Medium-torque applications—such as heavy industrial equipment.	High-torque abolitions—such as heavy industrial equipment.