

HT200/HT150/HTD Drive Selection Procedure

PROCEDURE

1. **Obtain required information:**
 - Motor name plate HP
 - Motor or DriveR RPM and Shaft size
 - DriveN Machine RPM and Shaft size
 - Approximate center distance
 - Service factor information
2. **Determine Service Factor: (Page PT11-21)**
 - Determine type of Driven Machine from Table 1
 - Choose Basic Service Factor in appropriate column of the following S.F. Table
 - Add additional service factor for slow speed drives, idlers or speed up drives were applicable
3. **Calculate Design Horsepower:**
 - Multiply Motor HP or normal running HP times Service Factor from Step 2
 - Note: Recommended Min. Sprocket Diameter, if applicable from NEMA table on page PT11-22
4. **Determine Belt Pitch: (Page PT11-22)**
 - Choose belt pitch based upon Design HP and RPM of faster shaft
5. **Select Smaller Sprocket:**
 - Look at Basic HP rating tables of belt Pitch selected in Step 4
 - Scan HP rating at RPM of faster shaft. (Pg PT11-23 thru PT11-27)
 - Find sprocket size(s) that have HP rating at or above Design HP
6. **Calculate Drive Ratio:**
 - Divide Fast Shaft RPM by Slow Shaft RPM
7. **Select Sprockets and Belt:**
 - Refer to "Ratio/Center Distance" Tables for Belt pitch chosen in Step 4. (Pg PT11-41-PT11-69)
 - Trace down left hand column to approximate ratio calculated in Step 6
 - Choose drive that has small sprocket at or above the number of teeth determined in Step 5
 - On this same line, trace to the right until the number closest to the required center distance is reached
 - Trace to the top of this column and note the belt size that gives this center distance
 - Also note the "Belt Length Correction Factor" at the top or bottom of this same column
8. **Finalize Selection:**
 - Multiply "Belt Length Correction Factor" times indicated rating obtained from HP table
 - Verify that Design HP is equal to or less than this corrected HP value
 - Note: If Correction Factor is greater than 1.0 corrected HP may allow selection of smaller less expensive drive
9. **Specify Drive:**
 - DriveR Sprocket and Bushing
 - DriveN Sprocket and Bushing
 - Belt
 - Verify that bushing bore has capacity for shaft size

Example

Step 1. Required Information: Select an HT200 drive to connect a 15HP APG gearmotor to a package conveyor headshaft. Reducer output is 125 RPM, shaft size is 2". Headshaft is 2-3/4" and is to run at 70 RPM. Center distance is 19-23", operation is 14 hrs/day.

Step 2: Service Factor: Package Conveyor requires 1.4 basic Service Factor. Add 0.3 for slow speed drive application (step 2 at left). Net S.F. = 1.7

Step 3. Design HP: $1.7 \times 15 = 25.5$ HP.

Step 4. Belt Pitch: Referring to page PT11-22, most probable belt pitch for 25.5 Des. HP at 125 RPM is 14MM.

Step 5. Select Small Sprocket: Scan 14MM HP Tables. Since there is no 125 RPM line, it will be necessary to interpolate. Start with the 100 RPM line. Observe that a 38 tooth sprocket for a 115MM wide belt gives 22.3 HP. interpolation for 125 RPM gives 27.5 HP. Other alternatives are also available (see below)

Step 6. Drive Ratio: $125 / 70 \text{ RPM} = 1.79:1$

Step 7. Sprocket Selection: Refer to 14MM Ratio/Center Distance tables. For 1.79 ratio, note that there are 5 drive combinations in the 1.78 to 1.80 range. The 38 tooth DriveR and the 68 tooth DriveN combination appears to be good, however we need to account for the belt length correction factor of .95, which gives us a net design HP of 25.7. (Note 20.2 C.D. requires a 1778 length code belt)

Step 8. Finalize Selection: Select the 38 to 68 tooth combination with a 1778 length code belt for 20.2" C.D. From step 7, rated HP is 25.7

Alternatively, select the 40 to 72 tooth combination with a 1778 length code belt for 19.4 C.D. With interpolation and correction, the rated HP is 27.22.

Step 9. Specify Drive:

Original Selection:

DriveR Sprocket: P38-14M-115-3020, P/N 114520 Bushing. 3020 x 2", P/N 117118

DriveN Sprocket. P68-14M-115-4545, P/N 114528 Bushing. 4545 x 2-3/4", P/N 117426

Belt: 1778-14M-115 HT200 Belt, P/N 146602 Shaft capacity is verified by availability of bore sizes.

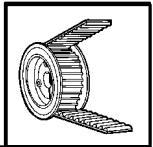
Alternative Selection:

DriveR Sprocket: P40-14M-115-3020, P/N 114475 Bushing. 3020 x 2", P/N 117118

DriveN Sprocket. P68-14M-115-4545, P/N 114529 Bushing. 4545 x 2-3/4", P/N 117426

Belt: 1778-14M-115 HT200 Belt, P/N 146602 Shaft capacity is verified by availability of bore sizes.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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Service Factors

Table 1

DriveN Machine	DriveR					
	AC Motors: Normal Torque, Squirrel Cage, Synchronous, Split Phase, Inverter Controlled DC Motors: Shunt Wound Stepper Motors Engines: Multiple Cylinder Internal Combustion			AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring DC Motors: Series Wound, Compound Wound Servo Motors Engines: Single Cylinder Internal Combustion Line Shafts Clutches		
	Intermittent Service	Normal Service	Continuous Service	Intermittent Service	Normal Service	Continuous Service
	Up to 8 hours Daily or Seasonal	8 - 16 hours Daily	16 - 24 hours Daily	Up to 8 hours Daily or Seasonal	8 - 16 hours Daily	16 - 24 hours Daily
Display, Dispensing Equipment, Instrumentation, Measuring Equipment, Medical Equipment, Office, Projection Equipment	1.0	1.2	1.4	1.2	1.4	1.6
Appliances, Sweepers, Sewing Machines Screens, Oven Screens, Drum, Conical Woodworking Equipment (Light): Band Saws, Drills, Lathes	1.1	1.3	1.5	1.3	1.5	1.7
Agitators for Liquids, Conveyors: Belt, Light Package, Drill Press, Lathes, Saws Laundry Machinery, Wood Working Equipment (Heavy): Circular Saws, Jointers, Planers	1.2	1.4	1.6	1.6	1.8	2.0
Agitators for Semi-Liquids, Compressor: Centrifugal, Conveyor Belt: Ore, Coal, Sand Dough Mixers, Line Shafts, Machine Tools: Grinder, Shaper, Boring Mill, Milling Machines, Paper Machinery (except Pulpers): Presses, Punches, Shears, Printing Machinery, Pumps: Centrifugal, Gear, Screens: Revolving, Vibratory	1.3	1.5	1.7	1.6	1.8	2.0
Brick Machinery (except Pug Mills) Conveyor: Apron, Pan, Bucket, Elevator Extractors, Washers, Fans, Centrifugal Blowers, Generators & Exciters Hoists, Rubber Calender, Mills, Extruders	1.4	1.6	1.8	1.8	2.0	2.2
Centrifuges, Screw Conveyors Hammer Mill, Paper Pulpers, Textile Machinery	1.5	1.7	1.9	1.9	2.1	2.3
Blowers: Positive Displacement, Mine Fans Pulverizers	1.6	1.8	2.0	2.0	2.2	2.4
Compressors: Reciprocating, Crushers: Gyrotory, Jaw, Roll, Mills: Ball, Rod, Pebble, etc., Pumps: Reciprocating Saw Mill Equipment	1.7	1.9	2.1	2.1	2.3	2.5

These service factors are adequate for most belt drive applications. Note that service factors cannot be substituted for good engineering judgment. Service factors may be adjusted based upon an understanding of the severity of actual drive operation conditions.

Additional Service Factors

Low Speed Drives

8mm, 14, & 20mm Belts Only	
Smaller Sprocket Speed	
Up to 200 rpm	Add 0.3
201 to 400 rpm	Add 0.2
401 to 600 rpm	Add 0.1
Each Idler	Add 0.2

Speed-up Drives

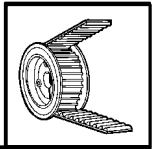
For speed up drives, add the basic service factor to the additional factor given below.

Speed-up Ratio Range	Additional Factor	Speed-up Ratio Range	Additional Factor
1 to 1.24	none	2.50 to 3.49	.30
1.25 to 1.74	.10	3.50 & over	.40
1.75 to 2.49	.20		

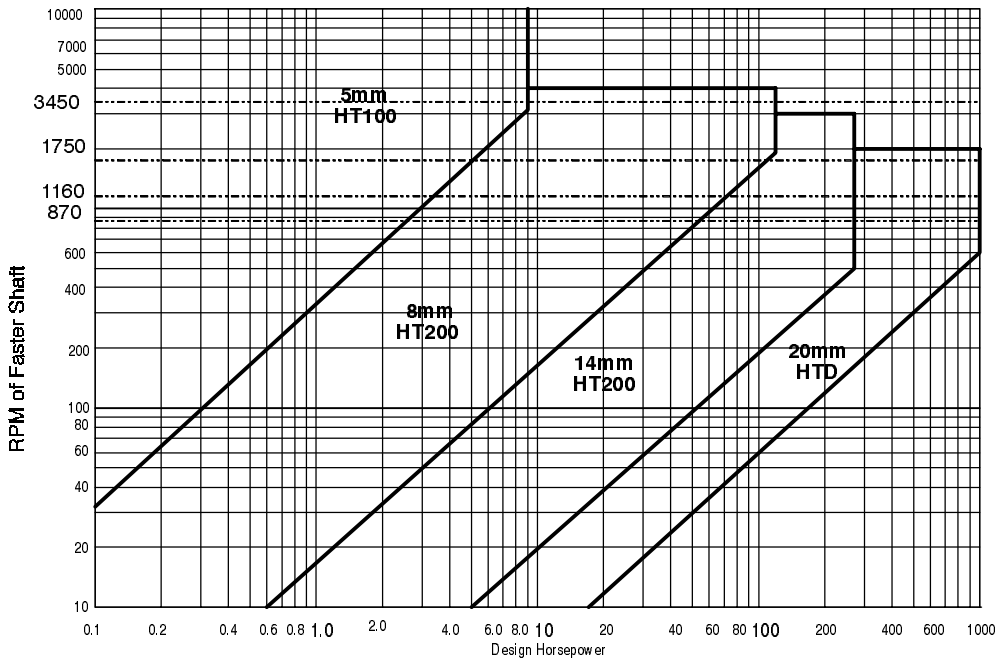
Unusual Conditions

Additional service factors are required for unusual conditions such as load reversal, heavy shock, plugged motor stop, electric brake. consult factory for recommendation.

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Belt Pitch Selection Guide



Synchronous belt drive noise increases as a function of Design Horsepower and operating RPM. This is indicated on the chart at the left. Provisions should be made to design drive guards for sound absorption accordingly.

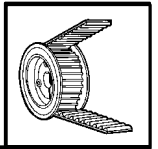
Recommended Minimum Sprocket Diameters & Face Width Synchronous Belt Drives Used On General Purpose Electric Motors

Motor Horsepower	Min. Sprocket Dia. (in.)				Maximum Face Width			
	870	1160	1750	3450	870	1160	1750	3450
1/2	2.0	-	-	-	2.25	-	-	-
3/4	2.16	2.0	-	-	2.25	2.25	-	-
1	2.16	2.16	2.0	-	2.75	2.25	2.25	-
1-1/2	2.16	2.16	2.16	2.0	2.75	2.75	2.25	2.25
2	2.7	2.16	2.16	2.16	3.38	2.75	2.25	2.25
3	2.7	2.7	2.16	2.16	3.38	3.38	2.75	2.25
5	3.42	2.7	2.7	2.16	4.0	3.38	2.75	2.75
7-1/2	4.0	3.42	2.7	2.7	4.0	4.0	3.38	2.75
10	4.0	4.0	3.42	2.7	4.63	4.0	3.38	3.38
15	4.7	4.0	4.0	3.42	4.63	4.63	4.0	3.38
20	5.4	4.7	4.0	4.0	5.25	4.63	4.0	4.0
25	6.12	5.4	4.0	4.0	5.25	5.25	4.63	4.0
30	6.12	6.12	4.7	-	5.87	5.25	4.63	-
40	7.4	6.12	5.4	-	5.88	5.88	5.25	-
50	7.6	7.4	6.12	-	7.25	5.88	5.25	-
60	9.0	8.1	6.7	-	7.25	7.25	5.88	-
75	8.6	9.0	7.8	-	8.5	7.25	5.88	-
100	10.8	9.0	7.8	-	8.5	8.5	7.25	-
125	11.3	10.8	9.5	-	8.5	8.5	7.25	-
150	11.88	11.88	9.5	-	11.63	8.5	8.5	-
200	11.88	11.88	11.88	-	11.63	11.63	11.63	-
250	13.5	11.88	11.88	-	11.63	11.63	9.38	-
300	-	-	11.88	-	-	11.63	11.63	-
350	-	-	11.88	-	-	11.63	11.63	-
400	-	-	12.69	-	-	-	11.63	-

NOTE: For a given motor horsepower and speed, the total belt pull is related to the motor sprocket size. As this size **decreases**, the total belt pull **increases**. Therefore, to limit the resultant load on motor shaft and bearings, NEMA lists minimum sprocket sizes for the various motors. The sprocket on the motor (DriveR Sprocket) should be at least this large.

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SELECTION



HT200 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

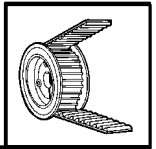
14M-40		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM SMALL SHAFT	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	0.56	0.58	0.60	0.65	0.70	0.74	0.79	0.83	0.92	1.01	1.10	1.19	1.28	1.37	1.46	1.55	1.72
20	1.04	1.09	1.13	1.22	1.31	1.40	1.48	1.57	1.74	1.91	2.08	2.25	2.42	2.59	2.75	2.92	3.25
40	1.95	2.04	2.12	2.29	2.46	2.62	2.79	2.95	3.27	3.60	3.92	4.24	4.55	4.87	5.18	5.49	6.11
60	2.81	2.94	3.06	3.30	3.54	3.78	4.02	4.26	4.73	5.19	5.66	6.12	6.58	7.03	7.49	7.94	8.83
100	4.44	4.64	4.83	5.22	5.60	5.98	6.36	6.74	7.49	8.23	8.97	9.71	10.4	11.2	11.9	12.6	14.0
200	8.21	8.58	8.94	9.67	10.4	11.1	11.8	12.5	13.9	15.3	16.7	18.1	19.4	20.8	22.1	23.5	26.1
300	11.7	12.3	12.8	13.8	14.9	15.9	16.9	17.9	20.0	22.0	23.9	25.9	27.9	29.8	31.7	33.6	37.4
400	15.1	15.8	16.4	17.8	19.1	20.5	21.8	23.1	25.7	28.3	30.9	33.4	35.9	38.4	40.9	43.4	48.3
500	18.3	19.1	20.0	21.6	23.3	24.9	26.5	28.1	31.3	34.5	37.6	40.7	43.7	46.8	49.8	52.8	58.7
600	21.4	22.4	23.4	25.3	27.3	29.2	31.1	33.0	36.7	40.4	44.1	47.7	51.3	54.8	58.4	61.9	68.8
800	27.5	28.7	30.0	32.5	35.0	37.4	39.9	42.3	47.1	51.9	56.6	61.2	65.8	70.3	74.8	79.3	88.0
870	29.5	30.9	32.2	34.9	37.6	40.2	42.9	45.5	50.6	55.7	60.8	65.8	70.7	75.6	80.4	85.1	94.5
1000	33.2	34.8	36.3	39.3	42.3	45.3	48.3	51.2	57.1	62.8	68.5	74.1	79.6	85.0	90.4	95.7	106.2
1160	37.7	39.4	41.1	44.6	48.0	51.4	54.8	58.1	64.7	71.2	77.6	84.0	90.2	96.3	102.3	108.3	119.9
1200	38.7	40.6	42.3	45.9	49.4	52.9	56.4	59.8	66.6	73.3	79.9	86.4	92.8	99.0	105.2	111.3	123.2
1400	44.1	46.2	48.2	52.3	56.3	60.3	64.2	68.1	75.8	83.4	90.8	98.1	105.3	112.3	119.2	126.0	139.2
1600	49.3	51.6	53.9	58.4	62.9	67.3	71.7	76.1	84.7	93.1	101.3	109.4	117.2	125.0	132.5	139.8	154.0
1750	53.1	55.5	58.0	62.9	67.7	72.5	77.2	81.9	91.1	100.1	108.9	117.4	125.8	134.0	141.9	149.6	164.3
2000	59.2	61.9	64.7	70.1	75.5	80.8	86.1	91.3	101.4	111.3	120.9	130.2	139.3	148.0	156.5	164.60	
2400	68.5	71.7	74.9	81.2	87.3	93.4	99.4	105.3	116.8	127.9	138.6	148.8					
2800	77.3	80.9	84.4	91.5	98.4	105.2	111.8	118.3	130.9	142.9							
3200	85.5	89.5	93.4	101.1	108.6	116.0	123.2	130.1	143.5								
3600	93.2	97.5	101.7	110.0	118.1	125.9	133.5										
4000	100.4	105.0	109.5	118.2	126.7	134.8											

14M-55		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM SMALL SHAFT	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.03
10	0.83	0.87	0.90	0.97	1.04	1.11	1.18	1.25	1.39	1.52	1.66	1.79	1.92	2.06	2.19	2.32	2.58
20	1.57	1.63	1.70	1.83	1.96	2.09	2.23	2.36	2.61	2.87	3.13	3.38	3.63	3.88	4.13	4.38	4.87
40	2.93	3.06	3.18	3.43	3.68	3.93	4.18	4.42	4.91	5.40	5.88	6.36	6.83	7.30	7.77	8.24	9.17
60	4.22	4.40	4.59	4.95	5.31	5.67	6.03	6.38	7.09	7.79	8.49	9.18	9.87	10.6	11.2	11.9	13.2
100	6.66	6.96	7.25	7.82	8.40	8.97	9.54	10.1	11.2	12.4	13.5	14.6	15.7	16.7	17.8	18.9	21.0
200	12.3	12.9	13.4	14.5	15.6	16.7	17.7	18.8	20.9	23.0	25.0	27.1	29.1	31.2	33.2	35.2	39.1
300	17.6	18.4	19.2	20.7	22.3	23.8	25.4	26.9	29.9	32.9	35.9	38.9	41.8	44.7	47.6	50.5	56.1
400	22.6	23.7	24.7	26.7	28.7	30.7	32.7	34.7	38.6	42.5	46.3	50.1	53.9	57.7	61.4	65.1	72.4
500	27.5	28.7	30.0	32.4	34.9	37.3	39.8	42.2	47.0	51.7	56.4	61.0	65.6	70.2	74.7	79.2	88.0
600	32.2	33.6	35.1	38.0	40.9	43.8	46.6	49.4	55.1	60.6	66.1	71.5	76.9	82.3	87.6	92.8	103.2
800	41.2	43.1	45.0	48.7	52.4	56.1	59.8	63.5	70.7	77.8	84.8	91.8	98.7	105.5	112.2	118.9	132.0
870	44.2	46.3	48.3	52.4	56.4	60.3	64.3	68.2	76.0	83.6	91.2	98.7	106.0	113.3	120.6	127.7	141.7
1000	49.8	52.1	54.4	59.0	63.5	68.0	72.4	76.9	85.6	94.2	102.7	111.1	119.4	127.6	135.6	143.6	159.2
1160	56.5	59.1	61.7	66.9	72.0	77.1	82.2	87.2	97.1	106.9	116.5	125.9	135.3	144.5	153.5	162.4	179.8
1200	58.1	60.8	63.5	68.8	74.1	79.4	84.6	89.7	99.9	110.0	119.8	129.6	139.1	148.6	157.8	167.0	184.8
1400	66.1	69.2	72.3	78.4	84.4	90.4	96.3	102.2	113.7	125.1	136.2	147.2	158.0	168.5	178.9	189.0	208.7
1600	73.9	77.4	80.8	87.6	94.3	101.0	107.6	114.2	127.0	139.6	152.0	164.0	175.9	187.4	198.7	209.7	231.0
1750	79.6	83.3	87.0	94.3	101.6	108.8	115.9	122.9	136.7	150.1	163.3	176.2	188.7	200.9	212.8	224.4	246.5
2000	88.7	92.9	97.0	105.2	113.3	121.3	129.1	136.9	152.1	166.9	181.3	195.3	208.9	222.0	234.7		
2400	102.7	107.5	112.3	121.7	131.0	140.2	149.1	158.0	175.2	191.9	207.9	223.3					
2800	115.9	121.3	126.7	137.2	147.6	157.7	167.7	177.5	196.3	214.3							
3200	128.3	134.2	140.1	151.7	163.0	174.0	184.7	195.2	215.3								
3600	139.8	146.3	152.6	165.0	177.1	188.8	200.2										
4000	150.6	157.5	164.2	177.3	190.0	202.2											

Operation in shaded area will result in a reduction of belt life.

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SELECTION



HT200 Basic Horsepower Rating

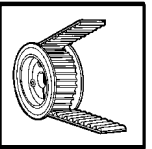
NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

14M-170 RPM SMALL SHAFT	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	2.96	3.08	3.20	3.45	3.70	3.94	4.19	4.43	4.91	5.39	5.87	6.35	6.82	7.29	7.76	8.22	9.15
20	5.55	5.79	6.03	6.50	6.96	7.43	7.89	8.35	9.27	10.2	11.1	12.0	12.9	13.8	14.6	15.5	17.3
40	10.4	10.8	11.3	12.2	13.1	13.9	14.8	15.7	17.4	19.1	20.8	22.5	24.2	25.9	27.6	29.2	32.5
60	15.0	15.6	16.3	17.6	18.8	20.1	21.4	22.6	25.1	27.6	30.1	32.6	35.0	37.4	39.8	42.2	47.0
100	23.6	24.7	25.7	27.8	29.8	31.8	33.8	35.9	39.8	43.8	47.7	51.6	55.5	59.4	63.2	67.0	74.5
200	43.7	45.6	47.6	51.4	55.3	59.1	62.8	66.6	74.1	81.5	88.8	96.1	103.4	110.5	117.7	124.8	138.8
300	62.4	65.2	68.0	73.6	79.1	84.6	90.0	95.4	106.2	116.8	127.4	137.9	148.3	158.6	168.8	179.0	199.1
400	80.3	83.9	87.5	94.7	101.8	108.9	116.0	123.0	136.9	150.6	164.3	177.8	191.2	204.5	217.7	230.8	256.8
500	97.4	101.9	106.3	115.0	123.8	132.4	141.0	149.6	166.5	183.3	199.9	216.3	232.7	248.8	264.8	280.8	312.2
600	114.1	119.3	124.5	134.8	145.0	155.2	165.3	175.4	195.3	214.9	234.4	253.7	272.8	291.8	310.5	329.1	365.9
800	146.1	152.8	159.5	172.8	186.0	199.1	212.1	225.0	250.6	275.9	300.9	325.6	350.0	374.2	398.0	421.7	468.3
870	156.9	164.2	171.4	185.7	199.9	214.0	228.0	241.9	269.4	296.6	323.4	349.9	376.1	402.0	427.6	452.9	502.7
1000	176.7	184.9	193.0	209.2	225.2	241.1	256.9	272.6	303.6	334.1	364.3	394.1	423.4	452.4	481.0	509.3	564.8
1160	200.3	209.7	218.9	237.3	255.5	273.6	291.5	309.3	344.4	379.0	413.1	446.7	479.7	512.3	544.4	576.0	637.8
1200	206.1	215.7	225.2	244.2	262.9	281.6	300.0	318.3	354.4	390.0	425.0	459.5	493.5	526.9	559.8	592.2	655.5
1400	234.6	245.5	256.4	278.0	299.4	320.6	341.6	362.4	403.4	443.6	483.2	522.1	560.2	597.7	634.4	670.4	740.4
1600	262.1	274.4	286.6	310.7	334.6	358.3	381.7	404.9	450.5	495.2	539.0	581.8	623.8	664.8	704.8	743.9	819.2
1750	282.2	295.5	308.6	334.6	360.3	385.8	410.9	435.8	484.7	532.5	579.2	624.8	669.3	712.6	754.8	795.8	874.2
2000	314.7	329.5	344.1	373.1	401.8	430.0	457.9	485.5	539.5	592.0	643.1	692.8	740.9	787.5	832.4		
2400	364.3	381.4	398.3	431.7	464.7	497.1	529.0	560.3	621.5	680.5	737.3	791.9					
2800	411.0	430.3	449.2	486.7	523.4	559.5	594.8	629.4	696.3	760.1							
3200	454.9	476.1	496.9	537.9	578.0	617.1	655.2	692.4	763.6								
3600	496.0	518.8	541.3	585.3	628.2	669.7	710.0										
4000	534.2	558.5	582.3	628.9	673.9	717.3											

Operation in shaded area will result in a reduction of belt life.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT150 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor from Ratio/Center Distance Tables

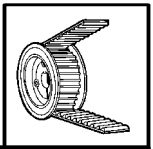
8M-50	HT150 Horsepower Rating—50MM Wide Belt (1.97 in.)												
	RPM Small Splt.	No. Teeth											
		28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.15	0.17	0.20	0.23	0.26	0.29	0.31	0.34	0.37	0.43	0.50	0.56	0.62
20	0.29	0.34	0.40	0.45	0.51	0.59	0.62	0.68	0.74	0.87	0.99	1.12	1.24
40	0.59	0.69	0.79	0.91	1.03	1.18	1.24	1.36	1.49	1.74	1.98	2.23	2.48
60	0.88	1.03	1.19	1.36	1.54	1.77	1.86	2.05	2.23	2.61	2.98	3.35	3.72
100	1.47	1.72	1.98	2.27	2.57	2.95	3.10	3.41	3.72	4.34	4.96	5.58	6.20
200	2.92	3.41	3.95	4.52	5.12	5.76	6.20	6.80	7.35	8.45	9.53	10.60	11.65
300	4.21	4.93	5.70	6.52	7.39	8.31	8.99	9.80	10.60	12.17	13.72	15.25	16.75
400	5.46	6.39	7.39	8.45	9.58	10.77	11.65	12.69	13.72	15.75	17.74	19.71	21.64
500	6.68	7.81	9.03	10.33	11.71	13.16	14.23	15.50	16.75	19.22	21.64	24.02	26.36
600	7.87	9.20	10.64	12.16	13.78	15.50	16.75	18.24	19.71	22.60	25.43	28.21	30.94
700	9.03	10.57	12.21	13.96	15.82	17.78	19.22	20.92	22.60	25.90	29.13	32.29	35.40
800	10.18	11.90	13.75	15.72	17.81	20.02	21.64	23.55	25.43	29.13	32.74	36.28	39.74
870	10.97	12.83	14.82	16.94	19.19	21.57	23.31	25.36	27.36	31.35	35.22	39.01	42.71
1000	12.42	14.52	16.77	19.17	21.71	24.40	26.36	28.67	30.94	35.40	39.74	43.97	48.09
1160	14.16	16.56	19.12	21.85	24.75	27.81	30.04	32.65	35.22	40.25	45.13	49.87	54.47
1200	14.59	17.06	19.70	22.51	25.50	28.65	30.94	33.63	36.28	41.44	46.45	51.31	56.02
1400	16.71	19.54	22.56	25.77	29.18	32.78	35.40	38.45	41.44	47.27	52.90	58.32	63.53
1600	18.79	21.95	25.34	28.95	32.77	36.81	39.74	43.13	46.45	52.90	59.07	64.98	70.62
1750	20.31	23.73	27.39	31.28	35.41	39.77	42.92	46.56	50.11	56.98	63.53	69.76	75.64
2000	22.99	26.63	30.73	35.09	39.70	44.58	48.09	52.11	56.02	63.53	70.62	77.26	83.44
2400	27.45	31.10	35.87	40.94	46.31	51.97	56.02	60.58	64.98	73.33	81.03	88.03	94.31
2800	31.84	35.38	40.78	46.52	52.59	58.99	63.53	68.54	73.33	82.24	90.21	97.16	103.02
3200	36.13	39.45	45.45	51.82	58.55	65.63	70.62	75.97	81.03	90.21	98.07	104.48	
3500		42.62	48.80	55.60	62.80	70.36	75.64	81.18	86.35	95.52	103.02		
4000			54.06	61.55	69.44	77.74	83.44	89.13	94.31	103.02			
4500				67.00	75.52	84.45	90.48	96.12	101.06				
5000					80.99	90.46	96.70	102.06	106.48				
5500						95.71	102.06	106.87					
PD: MM	71.3	76.4	81.5	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches	2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.41	4.81	5.61	6.42	7.22	8.02

8M-85	HT150 Horsepower Rating—85MM Wide Belt (3.35 in.)									
	RPM Small Splt.	No. Teeth								
		34	36	38	40	44	48	56	64	72	80
10	0.39	0.45	0.51	0.54	0.59	0.65	0.76	0.86	0.97	1.08
20	0.79	0.89	1.03	1.08	1.19	1.29	1.51	1.73	1.94	2.16
40	1.58	1.79	2.05	2.16	2.37	2.59	3.02	3.45	3.88	4.32
60	2.37	2.68	3.08	3.24	3.56	3.88	4.53	5.18	5.83	6.47
100	3.94	4.47	5.13	5.39	5.93	6.47	7.55	8.63	9.71	10.79
200	7.86	8.91	10.02	10.79	11.82	12.79	14.70	16.58	18.43	20.27
300	11.34	12.86	14.46	15.64	17.05	18.43	21.17	23.87	26.52	29.14
400	14.70	16.66	18.74	20.27	22.08	23.87	27.40	30.87	34.28	37.65
500	17.97	20.36	22.90	24.76	26.96	29.14	33.43	37.65	41.79	45.86
600	21.16	23.98	26.96	29.14	31.73	34.28	39.31	44.24	49.08	53.83
700	24.28	27.51	30.93	33.43	36.39	39.31	45.05	50.67	56.18	61.59
800	27.35	30.99	34.83	37.65	40.96	44.24	50.67	56.96	63.11	69.14
870	29.47	33.39	37.53	40.55	44.12	47.64	54.54	61.28	67.87	74.31
1000	33.34	37.77	42.45	45.86	49.88	53.83	61.59	69.14	76.50	83.68
1160	38.01	43.05	48.38	52.26	56.80	61.28	70.03	78.53	86.78	94.79
1200	39.16	44.35	49.84	53.83	58.51	63.11	72.11	80.83	89.29	97.50
1400	44.83	50.77	57.03	61.59	66.90	72.11	82.26	92.06	101.50	110.60
1600	50.37	57.02	64.05	69.14	75.05	80.83	92.06	102.82	113.13	122.96
1750	54.43	61.61	69.19	74.68	81.01	87.20	99.17	110.60	121.46	131.74
2000	61.05	69.09	77.57	83.68	90.68	97.50	110.60	122.96	134.57	145.39
2400	71.25	80.59	90.44	97.50	105.44	113.13	127.70	141.16	153.44	164.48
2800	80.97	91.54	102.68	110.60	119.33	127.70	143.29	157.26	169.50	179.87
3200	90.21	101.93	114.27	122.96	132.31	141.16	157.26	171.10	182.47	
3500	96.82	109.35	122.53	131.74	141.43	150.48	166.61	179.87		
4000	107.21	120.97	135.43	145.39	155.37	164.48	179.87			
4500	116.76	131.62	147.20	157.73	167.66	176.39				
5000		141.23	157.75	168.69	178.16	186.05				
5500			167.03	178.16	186.75					
PD: MM	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches	3.41	3.61	3.81	4.01	4.41	4.81	5.61	6.42	7.22	8.02

Operation in shaded area will result in a reduction of belt life.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT150 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

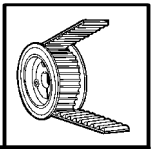
14M-170	HT150 Horsepower Rating—170MM Wide Belt (6.69 in.)											
	RPM Small Spkt.	No. Teeth										
		36	38	40	44	48	52	56	60	64	68	72	80
10	2.83	3.30	3.93	4.32	4.71	5.10	5.50	5.89	6.28	6.68	7.07	8.19
20	5.66	6.59	7.85	8.64	9.42	10.21	10.99	11.78	12.56	13.35	14.14	16.38
40	11.31	13.18	15.71	17.28	18.85	20.42	21.99	23.56	25.13	26.70	28.27	32.77
60	16.97	19.77	23.56	25.91	28.27	30.63	32.98	35.34	37.69	40.05	42.40	49.15
100	28.28	32.95	39.26	43.19	47.11	51.04	54.96	58.88	62.81	66.73	70.65	81.89
200	56.54	65.87	76.80	84.28	94.18	102.0	109.9	117.7	125.5	133.3	141.2	163.6
300	84.76	95.38	103.2	112.6	133.9	152.9	164.6	176.3	188.0	199.7	211.4	239.5
400	112.9	117.3	126.5	137.4	161.4	203.2	202.5	224.6	233.2	245.1	257.7	282.9
500	132.6	137.1	147.5	159.7	185.6	230.8	231.5	254.7	264.0	277.1	291.1	319.0
600	150.1	155.4	166.8	180.0	207.3	254.8	256.9	280.8	290.4	304.5	319.5	349.4
700	166.3	172.3	184.5	198.6	226.8	275.9	279.4	303.4	313.1	327.8	343.6	374.8
800	181.4	188.0	201.0	215.8	244.6	294.5	299.2	323.0	332.6	347.7	364.0	395.9
870	191.4	198.4	211.9	227.0	256.1	306.2	311.8	335.1	344.5	359.8	376.2	408.2
1000	208.6	216.5	230.7	246.4	275.5	325.4	332.3	354.6	363.3	378.4	394.7	426.0
1160	228.0	236.7	251.7	267.8	296.4	344.9	353.1	373.3	380.8	395.1	410.6	439.4
*1200	232.5	241.5	256.6	272.7	301.2	349.1	357.5	377.2	384.2	398.3	413.4	441.3
*1400	253.4	263.3	279.0	295.1	322.1	366.7	375.7	391.7	396.2	408.0	420.7	442.4
*1600	271.6	282.3	298.3	313.8	338.5	378.5	387.1	398.5	399.5	408.0	416.8	429.1
*1750	283.6	294.7	310.7	325.5	348.1	383.8	391.3	398.8	396.6	401.7	406.7	
*2000	300.4	312.1	327.7	340.6	358.8	386.0	390.3	390.1	381.2	379.0		
*2400	319.6	331.3	345.3	353.1	362.1	372.8	367.6					
*2800	329.2	339.7	350.8	351.1	348.2							
*3200	329.4	337.3	344.0									
*3500	323.6	328.5										
PD: MM	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	6.32	6.67	7.02	7.72	8.42	9.12	9.82	10.53	11.23	11.93	12.63	14.04

Operation in shaded area will result in a reduction of belt life.

* Operation in this speed range may require sound dampening guard.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

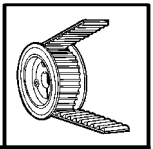
5M-15		Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM SMALL SHAFT	32 2.0	34 2.1	36 2.3	38 2.38	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.8	64 4.0	68 4.2	
10	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	
20	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.13	
40	0.10	0.11	0.12	0.13	0.14	0.16	0.16	0.17	0.18	0.19	0.21	0.22	0.24	0.25	
60	0.15	0.16	0.18	0.19	0.20	0.22	0.23	0.25	0.26	0.27	0.30	0.32	0.35	0.37	
100	0.24	0.26	0.28	0.30	0.32	0.36	0.37	0.40	0.42	0.44	0.48	0.51	0.55	0.59	
200	0.44	0.48	0.52	0.56	0.59	0.67	0.69	0.74	0.78	0.82	0.89	0.97	1.04	1.11	
300	0.63	0.69	0.75	0.80	0.86	0.96	0.99	1.07	1.13	1.18	1.29	1.39	1.50	1.60	
400	0.82	0.89	0.96	1.04	1.11	1.25	1.28	1.39	1.46	1.53	1.67	1.81	1.94	2.08	
500	1.00	1.09	1.17	1.26	1.35	1.52	1.57	1.70	1.78	1.87	2.04	2.21	2.38	2.54	
600	1.17	1.27	1.38	1.48	1.59	1.79	1.84	2.00	2.10	2.20	2.40	2.60	2.80	3.00	
800	1.50	1.64	1.78	1.91	2.05	2.31	2.38	2.58	2.71	2.84	3.10	3.36	3.62	3.87	
1000	1.83	1.99	2.16	2.33	2.49	2.82	2.90	3.14	3.30	3.46	3.78	4.10	4.41	4.72	
1200	2.14	2.34	2.53	2.73	2.92	3.31	3.40	3.69	3.88	4.07	4.44	4.81	5.18	5.55	
1400	2.44	2.67	2.90	3.12	3.34	3.78	3.89	4.22	4.44	4.65	5.08	5.51	5.93	6.35	
1600	2.74	2.99	3.25	3.50	3.75	4.25	4.37	4.74	4.99	5.23	5.71	6.19	6.66	7.13	
1800	3.03	3.31	3.59	3.87	4.15	4.71	4.84	5.25	5.52	5.79	6.32	6.85	7.38	7.89	
2000	3.31	3.62	3.93	4.24	4.55	5.15	5.30	5.75	6.05	6.34	6.92	7.50	8.07	8.64	
2400	3.86	4.23	4.59	4.95	5.31	6.02	6.19	6.72	7.06	7.40	8.08	8.75	9.41	10.1	
2800	4.39	4.81	5.23	5.64	6.04	6.85	7.05	7.64	8.04	8.42	9.19	9.95	10.7	11.4	
3200	4.90	5.37	5.84	6.30	6.75	7.65	7.87	8.53	8.97	9.40	10.2	11.1	11.9	12.7	
3600	5.40	5.91	6.43	6.93	7.43	8.42	8.66	9.39	9.86	10.3	11.3	12.2	13.0	13.9	
4000	5.87	6.43	6.99	7.54	8.09	9.16	9.42	10.2	10.7	11.2	12.2	13.2	14.1	15.0	
5000	6.99	7.66	8.32	8.97	9.61	10.9	11.2	12.6	13.2	13.7	14.3	15.4	16.4	17.4	
6000	8.00	8.76	9.51	10.2	11.0	12.3	12.7	13.7	14.3	14.9	16.1	17.1	18.1		
8000	9.69	10.6	11.5	12.3	13.1	14.6	14.9	15.9	16.6						
10000	10.9	11.8	12.7	13.6	14.4										
12000	11.5														
14000															

5M-25		Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM SMALL SHAFT	32 2.0	34 2.1	36 2.3	38 2.3	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.7	64 4.0	68 4.2	
10	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	
20	0.09	0.10	0.11	0.11	0.12	0.14	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.22	
40	0.17	0.19	0.20	0.22	0.23	0.26	0.27	0.29	0.30	0.31	0.34	0.37	0.40	0.42	
60	0.25	0.27	0.29	0.31	0.33	0.37	0.38	0.42	0.44	0.46	0.50	0.54	0.58	0.62	
100	0.40	0.43	0.46	0.50	0.53	0.60	0.61	0.66	0.69	0.73	0.79	0.86	0.92	0.98	
200	0.74	0.80	0.86	0.93	0.99	1.12	1.15	1.24	1.30	1.36	1.49	1.61	1.73	1.85	
300	1.06	1.15	1.24	1.33	1.43	1.61	1.65	1.79	1.88	1.97	2.15	2.32	2.50	2.67	
400	1.36	1.48	1.61	1.73	1.84	2.08	2.14	2.32	2.43	2.55	2.78	3.01	3.24	3.47	
500	1.66	1.81	1.96	2.10	2.25	2.54	2.61	2.83	2.97	3.11	3.40	3.68	3.96	4.24	
600	1.95	2.12	2.30	2.47	2.64	2.99	3.07	3.33	3.50	3.67	4.00	4.33	4.66	4.99	
800	2.51	2.73	2.96	3.19	3.41	3.86	3.97	4.30	4.52	4.74	5.17	5.60	6.03	6.46	
1000	3.04	3.32	3.60	3.88	4.15	4.70	4.83	5.24	5.50	5.77	6.30	6.83	7.35	7.87	
1200	3.56	3.89	4.22	4.55	4.87	5.51	5.67	6.15	6.46	6.78	7.40	8.02	8.64	9.25	
1400	4.07	4.45	4.83	5.20	5.57	6.31	6.49	7.04	7.40	7.76	8.47	9.18	9.89	10.6	
1600	4.56	4.99	5.41	5.83	6.25	7.08	7.29	7.90	8.31	8.71	9.52	10.3	11.1	11.9	
1800	5.05	5.52	5.99	6.46	6.92	7.84	8.07	8.75	9.20	9.65	10.5	11.4	12.3	13.2	
2000	5.52	6.04	6.56	7.07	7.58	8.59	8.84	9.58	10.1	10.6	11.5	12.5	13.5	14.4	
2400	6.44	7.04	7.65	8.25	8.85	10.0	10.3	11.2	11.8	12.3	13.5	14.6	15.7	16.8	
2800	7.32	8.01	8.71	9.39	10.1	11.4	11.8	12.7	13.4	14.0	15.3	16.6	17.8	19.0	
3200	8.17	8.95	9.73	10.5	11.3	12.8	13.1	14.2	14.9	15.7	17.1	18.5	19.8	21.2	
3600	8.99	9.85	10.7	11.6	12.4	14.0	14.4	15.6	16.4	17.2	18.8	20.3	21.7	23.1	
4000	9.79	10.7	11.7	12.6	13.5	15.3	15.7	17.0	17.9	18.7	20.3	21.9	23.5	25.0	
5000	11.6	12.8	13.9	15.0	16.0	18.1	18.6	20.1	21.1	22.0	23.9	25.7	27.3	28.9	
6000	13.3	14.6	15.9	17.1	18.3	20.6	21.1	22.8	23.8	24.8	26.8	28.6	30.2		
8000	16.1	17.6	19.1	20.5	21.8	24.3	24.9	26.6	27.6						
10000	18.2	19.7	21.2	22.6	23.9										
12000	19.2														
14000															

Shaded area indicates sprocket and RPM which can be used only if a reduction in belt life is allowable.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

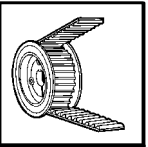
8M-50		HT100 Horsepower Rating—50MM Wide Belt (1.97 in.)												
RPM		No. Teeth												
Small Spkt.		28	30	32	34	36	38	40	44	48	56	64	72	80
10		0.10	0.11	0.13	0.15	0.17	0.20	0.21	0.23	0.25	0.29	0.33	0.37	0.41
20		0.20	0.23	0.26	0.30	0.34	0.39	0.41	0.45	0.50	0.58	0.66	0.74	0.83
40		0.39	0.46	0.53	0.60	0.69	0.79	0.83	0.91	0.99	1.16	1.32	1.49	1.65
60		0.59	0.69	0.79	0.91	1.03	1.18	1.24	1.36	1.49	1.74	1.98	2.23	2.48
100		0.98	1.15	1.32	1.51	1.71	1.96	2.07	2.27	2.48	2.89	3.31	3.72	4.13
200		1.94	2.28	2.63	3.01	3.41	3.84	4.13	4.53	4.90	5.63	6.35	7.07	7.77
300		2.81	3.29	3.80	4.35	4.93	5.54	6.00	6.53	7.07	8.12	9.15	10.16	11.17
400		3.64	4.26	4.93	5.63	6.39	7.18	7.77	8.46	9.15	10.50	11.83	13.14	14.43
500		4.45	5.21	6.02	6.89	7.80	8.78	9.49	10.33	11.17	12.81	14.43	16.01	17.58
600		5.25	7.14	7.09	8.11	9.19	10.33	11.17	12.16	13.14	15.06	16.95	18.81	20.63
700		6.02	7.04	8.14	9.31	10.54	11.85	12.81	13.95	15.06	17.26	19.42	21.53	23.60
800		6.79	7.94	9.17	10.48	11.88	13.35	14.43	15.70	16.95	19.42	21.83	24.18	26.49
870		7.31	8.55	9.88	11.29	12.79	14.38	15.54	16.91	18.25	20.90	23.48	26.01	28.47
1000		8.28	9.68	11.18	12.78	14.47	16.27	17.58	19.11	20.63	23.60	26.49	29.31	32.06
1160		9.44	11.04	12.75	14.57	16.50	18.54	20.03	21.77	23.48	26.83	30.09	33.25	36.31
1200		9.73	11.37	13.13	15.01	17.00	19.10	20.63	22.42	24.18	27.63	30.97	34.21	37.35
1400		11.14	13.02	15.04	17.18	19.45	21.85	23.60	25.63	27.63	31.52	35.27	38.88	42.35
1600		12.52	14.64	16.89	19.30	21.85	24.54	26.49	28.75	30.97	35.27	39.38	43.32	47.08
1750		13.54	15.82	18.26	20.86	23.61	26.51	28.61	31.04	33.41	37.99	42.35	46.50	50.43
2000		15.33	17.75	20.48	23.39	26.47	29.72	32.06	34.74	37.35	42.35	47.08	51.51	55.63
2400		18.30	20.73	23.91	27.29	30.87	34.64	37.35	40.38	43.32	48.89	54.02	58.69	62.88
2800		21.22	23.58	27.19	31.01	35.06	39.32	42.35	45.69	48.89	54.83	60.14	64.78	68.68
3200		24.09	26.30	30.30	34.54	39.03	43.75	47.08	50.65	54.02	60.14	65.38	69.65	
3500			28.41	32.53	37.07	41.86	46.91	50.43	54.12	57.57	63.68	68.58		
4000				36.04	41.03	46.30	51.82	55.63	59.42	62.88	68.68			
4500					44.67	50.35	56.30	60.32	64.08	67.37				
5000						53.99	60.30	64.47	68.04	70.99				
5500							63.81	68.04	71.25					
PD: MM		71.3	76.4	81.5	86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches		2.81	3.01	3.21	3.41	3.61	3.81	4.01	4.41	4.81	5.61	6.42	7.22	8.02

8M-85		HT100 Horsepower Rating—85MM Wide Belt (3.35 in.)									
RPM		No. Teeth									
Small Spkt.		34	36	38	40	44	48	56	64	72	80
10		0.26	0.30	0.34	0.36	0.40	0.43	0.50	0.58	0.65	0.72
20		0.53	0.60	0.68	0.72	0.79	0.86	1.01	1.15	1.29	1.44
40		1.05	1.19	1.37	1.44	1.58	1.73	2.01	2.30	2.59	2.88
60		1.58	1.79	2.05	2.16	2.37	2.59	3.02	3.45	3.88	4.32
100		2.63	2.98	3.42	3.60	3.96	4.32	5.40	5.75	6.47	7.19
200		5.24	5.94	6.68	7.19	7.88	8.53	9.80	11.05	12.29	13.51
300		7.56	8.57	9.64	10.43	11.36	12.29	14.12	15.91	17.68	19.43
400		9.80	11.11	12.49	13.51	14.72	15.91	18.27	20.58	22.85	25.10
500		11.98	13.58	15.26	16.50	17.97	19.43	22.29	25.10	27.86	30.57
600		14.10	15.98	17.97	19.43	21.15	22.85	26.21	29.49	32.72	35.89
700		16.19	18.34	20.62	22.29	24.26	26.21	30.03	33.78	37.45	41.06
800		18.23	20.66	23.22	25.10	27.31	29.49	33.78	37.97	42.08	46.09
870		19.65	22.26	25.02	27.03	29.41	31.76	36.36	40.85	45.25	49.54
1000		22.23	25.18	28.30	30.57	33.25	35.89	41.06	46.09	51.00	55.79
1160		25.34	28.70	32.25	34.84	37.87	40.85	46.69	52.35	57.86	63.19
1200		26.11	29.57	33.23	35.89	39.01	42.08	48.07	53.89	59.53	65.00
1400		29.89	33.84	38.02	41.06	44.60	48.07	54.84	61.37	67.67	73.73
1600		33.58	38.01	42.70	46.09	50.03	53.89	61.37	68.55	75.42	81.98
1750		36.29	41.07	46.13	49.79	54.01	58.14	66.12	73.73	80.97	87.83
2000		40.70	46.06	51.71	55.79	60.45	65.00	73.73	81.98	89.71	96.92
2400		47.50	53.73	60.29	65.00	70.30	75.42	85.13	94.11	102.29	109.65
2800		53.98	61.03	68.45	73.73	79.55	85.13	95.53	104.84	113.00	119.91
3200		60.14	67.95	76.18	81.98	88.21	94.11	104.84	114.07	121.64	
3500		64.55	72.90	81.69	87.83	94.28	100.32	111.07	119.91		
4000		71.47	80.65	90.29	96.92	103.58	109.65	119.91			
4500		77.84	87.75	98.13	105.15	111.77	117.59				
5000			94.15	105.17	112.46	118.77	124.03				
5500				111.35	118.77	124.50					
PD: MM		86.6	91.7	96.8	101.9	112.0	122.2	142.6	163.0	183.3	203.7
Inches		3.41	3.61	3.81	4.01	4.41	4.81	5.61	6.42	7.22	8.02

Operation in shaded area will result in a reduction of belt life.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

14M-85	HT100 Horsepower Rating—85MM Wide Belt (3.35 in.)																
	RPM Small Spkt.	No. Teeth															
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.58	0.60	0.62	0.66	0.72	0.85	0.99	1.19	1.30	1.42	1.54	1.66	1.78	1.90	2.02	2.13	2.47
20	1.15	1.19	1.23	1.32	1.45	1.71	1.99	2.37	2.61	2.84	3.08	3.32	3.56	3.79	4.03	4.27	4.95
40	2.30	2.39	2.47	2.63	2.89	3.41	3.98	4.74	5.22	5.69	6.16	6.64	7.11	7.59	8.06	8.53	9.89
60	3.46	3.58	3.70	3.95	4.34	5.12	5.97	7.11	7.82	8.53	9.24	9.96	10.67	11.38	12.09	12.80	14.84
100	5.76	5.97	6.17	6.58	7.23	8.54	9.95	11.85	13.04	14.22	15.41	16.59	17.78	18.96	20.14	21.33	24.72
200	11.52	11.93	12.34	12.34	14.45	17.07	19.89	23.18	25.44	28.43	30.80	33.16	35.52	37.89	40.25	42.61	49.38
300	15.80	16.60	17.48	17.30	21.66	25.59	28.79	31.15	33.99	40.42	46.15	49.69	53.22	56.76	60.28	63.81	72.29
400	19.40	20.56	21.80	21.91	27.07	34.09	35.40	38.18	41.48	48.72	61.33	61.13	67.79	70.40	73.98	77.79	85.39
500	22.70	24.22	25.80	26.27	32.06	40.03	41.40	44.53	48.20	56.03	69.66	69.88	76.90	79.69	83.66	87.89	96.31
600	25.78	27.65	29.56	30.41	36.72	45.32	46.91	50.34	54.33	62.56	76.91	77.55	84.76	87.66	91.91	96.45	105.5
700	28.68	30.88	33.11	34.36	41.11	50.21	52.01	55.71	59.95	68.47	83.28	84.33	91.58	94.51	98.96	103.7	113.2
800	31.43	33.96	36.48	38.14	45.26	54.76	56.76	60.69	65.13	73.83	88.89	90.33	97.50	100.4	105.0	109.9	119.5
870	33.29	36.02	38.75	40.70	48.04	57.76	59.90	63.97	68.53	77.30	92.43	94.11	101.2	104.0	108.6	113.6	123.2
1000	36.60	39.70	42.77	45.27	52.94	62.98	65.35	69.65	74.39	83.17	98.22	100.3	107.0	109.7	114.2	119.1	128.6
1160	40.45	43.96	47.42	50.58	58.54	68.82	71.46	75.97	80.83	89.48	104.1	106.6	112.7	114.9	119.3	123.9	132.6
1200	41.39	44.99	48.54	51.85	59.87	70.18	72.89	77.45	82.32	90.91	105.4	107.9	113.9	116.0	120.2	124.8	133.2
1400	45.88	49.88	53.83	57.93	66.12	76.49	79.49	84.22	89.08	97.22	110.7	113.4	118.2	119.6	123.2	127.0	133.5
1600	50.14	54.44	58.70	63.52	71.74	81.99	85.22	90.03	94.73	102.2	114.2	116.8	120.3	120.6	123.2	125.8	129.5
1750	53.20	57.65	62.09	67.39	75.55	85.60	88.97	93.79	98.26	105.1	115.8	118.1	120.4	119.7	121.2	122.8	
*2000	58.09	62.63	67.25	73.23	81.15	90.69	94.21	98.93	102.8	108.3	116.5	117.8	117.8	115.1			
*2400	65.74	69.74	74.28	80.96	88.14	96.47	100.0	104.2	106.6	109.3	112.5	111.0					
*2800		76.13	79.89	86.59	92.66	99.38	102.5	105.9	106.0	105.1							
*3200				89.98	94.66	99.43	101.8	103.9									
*3500				94.57	97.70	99.15											
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	4.91	5.09	5.26	5.61	5.97	6.32	6.67	7.02	7.72	8.42	9.12	9.82	10.53	11.23	11.93	12.63	14.04

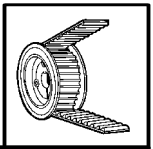
14M-115	HT100 Horsepower Rating—115MM Wide Belt (4.53 in.)																
	RPM Small Spkt.	No. Teeth															
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.81	0.84	0.87	0.93	1.02	1.21	1.41	1.67	1.84	2.01	2.18	2.34	2.51	2.68	2.85	3.01	3.49
20	1.63	1.69	1.74	1.86	2.04	2.41	2.81	3.35	3.68	4.02	4.35	4.69	5.02	5.36	5.69	6.03	6.99
40	3.26	3.37	3.49	3.72	4.08	4.82	5.62	6.70	7.37	8.04	8.71	9.38	10.05	10.72	11.39	12.06	13.97
60	4.88	5.06	5.23	5.58	6.12	7.24	8.43	10.05	11.05	12.06	13.06	14.06	15.07	16.07	17.08	18.08	20.96
100	8.14	8.43	8.72	9.30	10.21	12.06	14.05	16.74	18.42	20.09	21.76	23.44	25.11	26.78	28.46	30.13	34.92
200	16.27	16.85	17.43	17.43	20.41	24.11	28.09	32.75	35.94	40.16	43.51	46.85	50.19	53.53	56.86	60.20	69.76
300	22.32	23.45	24.70	24.44	30.60	36.15	40.68	44.00	48.01	57.11	65.20	70.20	75.19	80.18	85.10	90.14	102.1
400	27.41	29.05	30.80	30.96	38.25	48.16	50.01	53.93	58.59	68.83	86.65	86.36	95.76	99.45	104.5	109.9	120.6
500	32.07	34.22	36.45	37.11	45.29	56.55	58.48	62.90	68.10	79.15	98.42	98.72	108.6	112.6	118.2	124.2	136.1
600	36.42	39.06	41.76	42.95	51.88	64.02	66.27	71.12	76.75	88.39	108.7	109.6	119.7	123.8	129.8	136.3	149.0
700	40.51	43.63	46.78	48.54	58.08	70.93	73.47	78.70	84.69	96.73	117.6	119.1	129.4	133.5	139.8	146.5	159.9
800	44.41	47.97	51.54	53.89	63.95	77.36	80.18	85.73	92.02	104.3	125.6	127.6	137.7	141.8	148.3	155.2	168.8
870	47.03	50.89	54.74	57.50	67.87	81.60	84.62	90.37	96.82	109.2	130.6	133.0	142.9	146.9	153.4	160.4	174.1
1000	51.70	56.08	60.43	63.96	74.79	88.97	92.32	98.39	105.1	117.5	138.8	141.7	151.2	154.9	161.4	168.3	181.7
1160	57.15	62.10	66.99	71.45	82.69	97.22	100.9	107.3	114.2	126.4	147.1	150.6	159.2	162.4	168.5	175.1	187.4
1200	58.47	63.55	68.57	73.26	84.57	99.15	103.0	109.4	116.3	128.4	148.9	152.5	160.8	163.9	169.8	176.3	188.2
*1400	64.82	70.47	76.05	81.84	93.41	108.1	112.3	119.0	125.8	137.3	156.4	160.2	167.0	168.9	174.0	179.4	188.7
*1600	70.83	76.91	82.93	89.74	101.4	115.8	120.4	127.2	133.8	144.4	161.4	165.1	170.0	170.4	174.0	177.8	183.0
*1750	75.15	81.44	87.71	95.21	106.7	120.9	125.7	132.5	138.8	148.4	163.7	166.9	170.1	169.1	171.3	173.4	
*2000	82.07	88.48	95.00	103.5	114.6	128.1	133.1	139.8	145.2	153.0	164.6	166.4	166.4	162.6			
*2400	92.88	98.53	104.9	114.4	124.5	136.3	141.3	147.3	150.6	154.4	159.0	150.7					
*2800		107.6	112.9	122.3	130.9	140.4	144.9	149.6	149.7	148.5							
*3200				127.1	133.7	140.5	143.9	146.7									
*3500				133.6	138.0	140.1											
PD: MM	124.8	129.2	133.7	142.6	151.5	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	4.91	5.09	5.26	5.61	5.97	6.32	6.67	7.02	7.72	8.42	9.12	9.82	10.53	11.23	11.93	12.63	14.04

Operation in shaded area will result in a reduction of belt life.

* Operation in this speed range may require sound dampening guard

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HT100 Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

14M-170												
HT100 Horsepower Rating—170MM Wide Belt (6.69 in.)												
RPM Small Spkt.	No. Teeth											
	36	38	40	44	48	52	56	60	64	68	72	80
10	1.89	2.20	2.62	2.88	3.14	3.40	3.66	3.93	4.19	4.45	4.71	5.46
20	3.77	4.39	5.24	5.76	6.28	6.81	7.33	7.85	8.38	8.90	9.42	10.92
40	7.54	8.79	10.47	11.52	12.56	13.61	14.66	15.71	16.75	17.80	18.85	21.84
60	11.31	13.18	15.71	17.28	18.85	20.42	21.99	23.56	25.13	26.70	28.27	32.76
100	18.85	21.96	26.17	28.79	31.41	34.02	36.64	39.26	41.87	44.49	47.10	54.59
200	37.69	43.92	51.20	56.19	62.79	68.01	73.23	78.46	83.68	88.89	94.11	109.1
300	56.51	63.59	74.87	81.06	89.27	95.99	102.71	109.43	116.15	122.87	129.59	159.6
400	75.29	86.19	101.31	109.60	117.66	125.72	133.78	141.84	149.90	157.96	166.02	188.6
500	88.40	99.43	116.34	125.06	133.78	142.50	151.22	159.94	168.66	177.38	186.10	212.7
600	100.1	103.6	111.2	120.0	128.8	137.6	146.4	155.2	164.0	172.8	181.6	232.9
700	110.9	114.9	123.0	132.4	141.8	151.2	160.6	170.0	179.4	188.8	198.2	249.9
800	120.9	125.3	134.0	143.8	153.6	163.4	173.2	183.0	192.8	202.6	212.4	263.9
870	127.6	132.3	141.3	151.4	161.5	171.6	181.7	191.8	201.9	212.0	222.1	272.1
1000	139.1	144.3	153.8	164.3	174.8	185.3	195.8	206.3	216.8	227.3	237.8	284.0
1160	152.0	157.8	167.8	178.5	189.2	199.9	210.6	221.3	232.0	242.7	253.4	292.9
=1200	155.0	161.0	171.0	181.8	192.6	203.4	214.2	225.0	235.8	246.6	257.4	294.2
=1400	168.9	175.5	186.0	196.7	207.4	218.1	228.8	239.5	250.2	260.9	271.6	294.9
=1600	181.1	188.2	198.8	209.2	219.6	229.9	240.3	250.7	261.1	271.5	281.9	286.1
=1750	189.0	196.5	207.1	217.0	227.1	237.2	247.3	257.4	267.5	277.6	287.7	
=2000	200.3	208.1	218.5	227.0	236.2	245.3	254.5	263.7	272.9	282.1	291.3	
=2400	213.1	220.8	230.2	235.4	241.4	248.5	255.6					
=2800	219.5	226.5	233.9	234.0	232.1							
=3200	219.6	224.9	229.4									
=3500	215.8	219.0										
PD: MM	160.4	169.3	178.3	196.1	213.9	231.7	249.6	267.4	285.2	303.0	320.9	356.5
Inches	6.32	6.67	7.02	7.72	8.42	9.12	9.82	10.53	11.23	11.93	12.63	14.04

20M-115														
Horsepower Rating—115MM Wide Belt (4.53 in.)														
RPM Small Spkt.	No. Teeth													
	34	36	38	40	44	48	52	56	60	64	68	72	80	90
*10	2.7	2.9	3.1	3.3	3.6	4.0	4.3	4.6	4.9	5.1	5.4	5.6	6.1	6.7
*20	5.4	5.8	6.1	6.5	7.3	7.9	8.6	9.2	9.8	10.3	10.8	11.3	12.3	13.4
*30	8.1	8.7	9.2	9.8	10.9	11.9	12.9	13.8	14.7	15.4	16.2	16.9	18.4	20.2
*40	10.7	11.5	12.3	13.1	14.5	15.8	17.1	18.5	19.5	20.6	21.6	22.6	24.6	26.9
*50	13.4	14.4	15.3	16.3	18.1	19.8	21.4	23.1	24.4	25.7	27.0	28.2	30.7	33.6
*60	16.1	17.3	18.4	19.6	21.8	23.7	25.7	27.7	29.3	30.8	32.4	33.9	36.8	40.3
*80	21.5	23.1	24.5	26.1	29.0	31.6	34.3	36.9	39.1	41.1	43.1	45.1	49.0	53.7
*100	26.8	28.8	30.7	32.6	36.3	39.6	42.8	46.1	48.8	51.4	53.9	56.4	61.3	67.1
*150	40.3	43.2	46.0	48.9	54.4	59.3	64.2	69.2	73.2	77.0	80.8	84.5	91.8	100.5
*200	53.7	57.6	61.3	65.2	72.4	79.0	85.6	92.1	97.4	102.5	107.5	112.5	122.1	133.6
*300	77.7	83.5	88.7	94.3	105.8	117.7	125.4	132.9	140.3	147.5	154.5	161.4	174.8	190.8
*400	97.9	105.0	111.5	118.5	132.7	147.5	156.8	165.9	174.8	183.4	191.8	200.0	215.8	234.3
*500	116.7	125.0	132.7	140.9	157.6	174.8	185.5	195.9	206.0	215.8	225.2	234.3	251.6	271.5
*600	134.3	143.8	152.5	161.8	180.6	200.0	211.9	223.3	234.3	244.8	254.9	264.5	282.5	302.5
730	155.7	166.5	176.4	186.9	208.2	230.0	242.9	255.2	266.2	277.9	288.2	297.9	315.3	333.2
800	166.6	178.1	188.5	199.5	221.9	244.8	258.2	270.7	282.5	293.5	303.7	313.1	329.4	345.0
870	177.0	189.1	200.0	211.6	235.0	258.8	272.4	285.0	296.6	307.5	317.4	326.2	340.9	353.4
970	191.2	204.0	215.5	227.8	252.4	277.3	292.4	285.0	296.6	307.5	317.4	326.2	340.9	353.4
1170	217.0	231.0	243.4	256.6	282.8	309.0	321.8	332.8	342.0	349.3	354.7	358.0	358.5	
=1200	220.6	234.7	247.3	260.5	286.9	313.1	325.6	336.3	345.0	351.7	356.4	358.9	357.2	
=1460	248.6	263.5	276.4	289.9	316.3	341.8	350.6	356.5	356.2	358.6	354.5			
=1600	261.3	276.3	289.0	302.3	327.8	351.7	357.5	359.3	357.2					
=1750	273.0	287.8	300.0	312.7	336.5	357.9	359.2	355.7						
=2000	288.1	301.8	312.5	323.4	342.3	357.2								
PD: MM	216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	8.522	9.023	9.524	10.026	11.028	12.031	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557

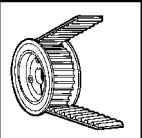
Shaded area indicates sprocket and RPM which can be used only if a reduction in belt life is allowable.

* Refer to page PT11--21 for additional service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

20M-170		HT100 Horsepower Rating—170MM Wide Belt (6.69 in.)													
RPM Small Spkt.	No. Teeth														
	34	36	38	40	44	48	52	56	60	64	68	72	80	90	
*10	4.2	4.5	4.8	5.1	5.6	6.1	6.7	7.2	7.6	8.0	8.4	8.8	9.5	10.4	
*20	8.3	9.0	9.5	10.1	11.3	12.3	13.3	14.3	15.2	16.0	16.8	17.5	19.0	20.9	
*30	12.5	13.4	14.3	15.2	16.9	18.4	20.0	21.5	22.8	23.9	25.1	26.3	28.6	31.3	
*40	16.7	17.9	19.1	20.3	22.5	24.6	26.6	28.7	30.3	31.9	33.5	35.1	38.1	41.8	
*50	20.8	22.4	23.8	25.3	28.2	30.7	33.3	35.8	37.9	39.9	41.9	43.8	47.6	52.2	
*60	25.0	26.9	28.6	30.4	33.8	36.9	39.9	43.0	45.5	47.9	50.3	52.6	57.1	62.6	
*80	33.4	35.8	38.1	40.5	45.1	49.1	53.2	57.3	60.7	63.8	67.0	70.1	76.1	83.5	
*100	41.7	44.8	47.6	50.7	56.3	61.4	66.5	71.7	75.8	79.8	83.7	87.6	95.1	104.3	
*150	62.5	67.2	71.4	76.0	84.4	92.1	99.7	107.4	113.6	119.6	125.4	131.2	142.5	156.1	
*200	83.3	89.5	95.2	101.2	112.5	122.7	132.9	143.1	151.3	159.2	167.0	174.7	189.6	207.6	
*300	120.7	129.6	137.8	146.5	164.4	182.4	194.8	206.5	217.9	229.1	240.0	250.7	271.5	296.5	
*400	152.1	163.1	173.2	184.0	206.2	229.1	243.6	257.8	271.5	285.0	298.1	310.8	335.4	364.3	
*500	181.2	194.3	206.2	218.8	244.8	271.5	288.3	304.5	320.2	335.4	350.1	364.3	391.4	422.6	
*600	208.7	223.4	236.9	251.3	280.7	310.8	329.4	347.2	364.3	380.8	396.6	411.7	439.9	471.4	
730	242.0	258.8	274.1	290.5	323.6	357.6	377.8	397.1	415.4	432.7	449.0	464.2	491.8	520.5	
800	258.9	276.8	293.0	310.2	345.2	380.8	401.7	421.4	439.9	457.2	473.4	488.3	514.4	539.9	
870	275.1	293.9	310.9	329.0	365.5	402.7	424.0	443.9	462.4	479.5	495.1	509.3	533.1	554.1	
970	297.3	317.2	335.2	354.3	392.8	431.7	453.2	473.0	490.9	507.1	521.4	533.8	552.8		
1170	337.7	359.5	379.0	399.6	440.7	481.7	502.1	519.9	534.9	547.0	556.3	562.6	565.8		
=1200	343.3	365.4	385.0	405.8	447.1	488.3	508.3	525.6	539.9	551.2	559.4	564.4	564.5		
=1460	387.3	410.7	431.0	452.4	494.2	534.5	549.3	559.6	565.2	565.8	561.3				
=1600	407.5	431.1	451.2	472.3	512.9	551.2	561.5	566.0	564.5						
=1750	426.3	449.7	469.1	489.4	527.6	562.3	566.2	562.8							
=2000	450.8	472.8	490.1	507.8	539.1	564.5									
PD: MM	216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96	
Inches	8.522	9.023	9.524	10.026	11.028	12.031	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557	

20M-230		Horsepower Rating—230MM Wide Belt (9.06 in.)											
RPM Small Spkt.	No. Teeth												
	38	40	44	48	52	56	60	64	68	72	80	90	
*10	6.6	7.0	7.8	8.5	9.2	10.0	10.5	11.1	11.6	12.2	13.2	14.5	
*20	13.2	14.1	15.6	17.1	18.5	19.9	21.1	22.2	23.3	24.3	26.4	29.0	
*30	19.8	21.1	23.5	25.6	27.7	29.9	31.6	33.3	34.9	36.5	39.7	43.5	
*40	26.5	28.1	31.3	34.1	37.0	39.8	42.1	44.3	46.5	48.7	52.9	58.0	
*50	33.1	35.2	39.1	42.7	46.2	49.8	52.6	55.4	58.1	60.8	66.1	72.5	
*60	39.7	42.2	46.9	51.2	55.4	59.7	63.2	66.5	69.8	73.0	79.3	87.0	
*80	52.9	56.3	62.6	68.2	73.9	79.6	84.2	88.6	93.0	97.3	105.7	115.9	
*100	66.1	70.3	78.2	85.3	92.4	99.5	105.2	110.8	116.2	121.6	132.1	144.8	
*150	99.2	105.5	117.2	127.9	138.5	149.1	157.7	166.0	174.2	182.2	197.9	216.8	
*200	132.1	140.6	156.2	170.4	184.5	198.7	210.1	221.1	231.9	242.5	263.3	288.3	
*300	191.3	203.4	228.2	253.9	270.5	286.7	302.6	318.1	333.3	348.2	377.1	411.8	
*400	240.5	255.5	286.3	318.1	338.3	358.0	377.1	395.8	414.0	431.8	465.9	506.2	
*500	286.3	303.9	340.0	377.1	400.4	422.9	444.8	465.9	486.4	506.2	543.9	587.4	
*600	329.1	349.1	389.8	431.8	457.4	482.4	506.2	529.1	551.1	572.2	611.6	655.7	
730	380.8	403.5	449.6	496.8	525.0	551.9	577.4	601.5	624.3	645.7	684.4	724.9	
800	406.9	430.9	479.5	529.1	558.3	585.8	611.6	635.9	658.5	679.4	716.2	752.5	
870	432.0	457.1	508.0	559.7	589.4	617.2	643.1	667.1	689.0	709.0	742.8	773.0	
=970	465.8	492.4	546.0	600.2	630.3	657.9	683.2	705.9	726.1	743.8	771.1		
=1170	526.9	555.6	612.9	670.2	698.9	724.0	745.3	762.8	776.3	785.7	791.9		
=1200	535.3	564.2	621.9	679.4	707.7	732.1	752.5	768.8	780.9	788.7	790.6		
=1460	599.8	629.7	688.1	744.8	766.1	781.2	789.9	791.9	787.0				
=1600	628.2	657.8	714.8	768.8	784.0	791.4	790.6						
=1750	653.6	682.2	736.0	785.4	791.9	788.7							
=2000	683.8	709.0	753.7	790.6									
PD: MM	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96	
Inches	9.524	10.026	11.028	12.031	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557	

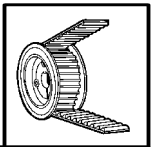
Shaded area indicates sprocket and RPM which can be used only if a reduction in belt life is allowable.

* Refer to page PT11-21 for additional service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



HTD Basic Horsepower Rating

NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

20M-290		HT100 Horsepower Rating—290MM Wide Belt (11.42 in.)						
RPM		No. Teeth						
Small Spkt.	52	56	60	64	68	72	80	90
*10	11.8	12.7	13.5	14.2	14.9	15.6	16.9	18.6
*20	23.7	25.5	27.0	28.4	29.8	31.1	33.8	37.1
*30	35.5	38.2	40.4	42.6	44.7	46.7	50.8	55.7
*40	47.3	50.9	53.9	56.7	59.5	62.3	67.7	74.2
*50	59.1	63.7	67.4	70.9	74.4	77.9	84.6	92.7
*60	71.0	76.4	80.8	85.1	89.3	93.4	101.5	111.1
*80	94.6	101.9	107.8	113.4	119.0	124.5	135.3	148.3
*100	118.2	127.3	134.7	141.8	148.7	155.6	169.0	185.3
*150	177.2	190.8	201.9	212.4	222.9	233.2	253.2	277.4
*200	236.1	254.2	268.9	282.9	296.8	310.4	336.9	368.9
*300	346.2	366.9	387.2	407.1	426.6	445.6	482.7	527.1
*400	433.0	458.2	482.7	506.6	529.9	552.7	596.4	648.1
*500	512.5	541.4	569.4	596.4	622.7	648.1	696.4	752.3
*600	585.7	617.5	648.1	677.5	705.7	732.8	783.4	840.1
730	672.2	706.6	739.3	770.3	799.6	827.1	877.0	929.2
800	714.9	750.1	783.4	814.5	843.6	870.6	918.1	965.1
870	754.8	790.6	823.8	854.6	882.9	908.7	952.4	992.0
=970	807.3	842.9	875.4	904.7	930.9	953.8	989.4	
=1170	895.7	928.1	955.7	978.5	996.3	1008.9	1018.0	
=1200	907.0	938.5	965.1	986.4	1002.4	1012.9	1016.7	
=1460	982.9	1002.9	1014.7	1018.0				
=1600	1006.5	1016.8	1016.7					
=1750	1017.7	1014.6						
=2000								
PD: MM	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557

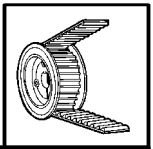
20M-340		HT100 Horsepower Rating—340MM Wide Belt (13.39 in.)						
RPM		No. Teeth						
Small Spkt.	52	56	60	64	68	72	80	90
*10	14.0	15.1	15.9	16.8	17.6	18.4	20.0	21.9
*20	28.0	30.1	31.9	33.5	35.2	36.8	40.0	43.9
*30	41.9	45.2	47.8	50.3	52.8	55.2	60.0	65.8
*40	55.9	60.2	63.7	67.1	70.4	73.6	80.0	87.7
*50	69.9	75.3	79.6	83.8	88.0	92.0	100.0	109.6
*60	83.9	90.3	95.6	100.6	105.6	110.4	120.0	131.5
*80	111.8	120.4	127.4	134.1	140.7	147.2	159.9	175.3
*100	139.8	150.5	159.2	167.6	175.8	184.0	199.8	219.0
*150	209.5	225.6	238.7	251.2	263.5	275.6	299.3	328.0
*200	279.2	300.5	317.9	334.5	350.8	366.9	398.3	436.2
*300	409.3	433.8	457.8	481.3	504.3	526.9	570.7	623.1
*400	511.9	541.7	570.7	599.0	626.5	653.4	705.2	766.3
*500	605.9	640.1	673.2	705.2	736.3	766.3	823.5	889.7
*600	692.5	730.1	766.3	801.1	834.5	866.5	926.5	993.7
=730	794.8	835.6	874.3	911.0	945.7	978.3	1037.4	1099.5
=800	845.3	887.1	926.5	963.4	997.8	1029.8	1086.3	1142.2
=870	892.7	935.0	974.4	1010.9	1044.5	1075.1	1127.2	1174.4
=970	954.8	997.0	1035.6	1070.4	1101.5	1128.7	1171.4	
=1170	1059.7	1098.2	1131.1	1158.3	1179.6	1194.8	1206.4	
=1200	1073.1	1110.6	1142.2	1167.7	1187.0	1199.8	1205.2	
=1460	1163.5	1187.5	1202.0	1206.5	1200.6			
=1600	1192.0	1204.6	1205.2					
=1750	1205.8	1202.8						
=2000								
PD: MM	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557

Shaded area indicates sprocket and RPM which can be used only if a reduction in belt life is allowable.

* Refer to page PT11-21 for additional service Factors for speeds of 600 RPM or less.

= Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION

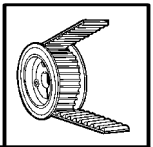
5MM Pitch HT100 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																					
	Driver		Driven		300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M
	No. of teeth	Pitch Dia. In.	No. of teeth	Pitch Dia. In.	Length Factor*																					
2.50	32	2.005	80	5.013	0.77	0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.98	1.00	1.01	1.03	1.06	1.09	1.13	1.16	1.19	1.22	1.24	1.29
2.50	36	2.256	90	5.639	...	...	...	...	...	...	4.05	4.78	5.40	6.11	7.12	8.13	9.13	10.13	12.11	14.09	17.06	20.02	22.98	25.94	28.31	35.80
2.55	44	2.757	112	7.018	...	...	...	...	...	...	...	...	4.60	5.34	6.37	7.38	8.39	9.40	11.39	13.38	16.35	19.32	22.28	25.24	27.61	35.10
2.65	34	2.130	90	5.639	...	...	...	...	...	...	...	...	4.69	5.42	6.45	7.47	8.48	9.49	11.48	13.47	16.44	19.41	22.37	25.33	27.70	35.19
2.80	40	2.506	112	7.018	...	...	...	...	...	...	...	...	...	...	5.86	6.91	7.95	9.98	11.99	14.99	17.97	20.94	23.91	26.28	33.78	
2.81	32	2.005	90	5.639	...	...	...	...	...	...	...	4.12	4.77	5.50	6.54	7.56	8.57	9.57	11.57	13.56	16.54	19.50	22.47	25.43	27.80	35.29
2.95	38	2.381	112	7.018	...	...	...	...	...	...	...	...	...	...	5.94	7.00	8.03	10.06	12.08	15.08	18.06	21.04	24.00	26.38	33.88	
3.11	36	2.256	112	7.018	...	...	...	...	...	...	...	...	...	...	4.92	6.02	7.08	8.11	10.15	12.17	15.17	18.15	21.13	24.09	26.47	33.97
3.29	34	2.130	112	7.018	...	...	...	...	...	...	...	...	...	...	5.00	6.10	7.16	8.20	10.24	12.26	15.26	18.24	21.22	24.19	26.56	34.07
3.50	32	2.005	112	7.018	...	...	...	...	...	...	...	...	...	...	5.08	6.18	7.24	8.28	10.32	12.34	15.35	18.33	21.31	24.28	26.66	34.16
Length Factor*					0.77	0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.98	1.00	1.01	1.03	1.06	1.09	1.13	1.16	1.19	1.22	1.24	1.29

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		384-8M	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches																	
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.00	22	2.206	22	2.206	4.09	5.98	7.56	8.34	9.13	10.71	12.28	13.07	13.86	14.64	15.43	17.00	17.48	18.58	19.37	20.15	
1.00	24	2.406	24	2.406	3.78	5.67	7.25	8.03	8.82	10.40	11.97	12.76	13.55	14.33	15.12	16.69	17.17	18.27	19.06	19.84	
1.00	26	2.607	26	2.607	3.46	5.35	6.93	7.71	8.50	10.08	11.65	12.44	13.23	14.01	14.80	16.37	16.85	17.95	18.74	19.52	
1.00	28	2.807	28	2.807	...	5.04	6.62	7.40	8.19	9.77	11.34	12.13	12.92	13.70	14.49	16.06	16.54	17.64	18.43	19.21	
1.00	30	3.008	30	3.008	...	4.73	6.30	7.09	7.88	9.45	11.03	11.81	12.60	13.39	14.18	15.75	16.22	17.32	18.11	18.90	
1.00	32	3.208	32	3.208	...	4.41	5.99	6.77	7.56	9.14	10.71	11.50	12.29	13.07	13.86	15.43	15.91	17.01	17.80	18.58	
1.00	34	3.409	34	3.409	...	4.10	5.67	6.46	7.25	8.82	10.40	11.18	11.97	12.76	13.55	15.12	15.59	16.69	17.48	18.27	
1.00	36	3.609	36	3.609	...	...	5.36	6.14	6.93	8.51	10.08	10.87	11.66	12.44	13.23	14.80	15.28	16.38	17.17	17.95
1.00	38	3.810	38	3.810	...	...	5.04	5.83	6.62	8.19	9.77	10.55	11.34	12.13	12.92	14.49	14.96	16.06	16.85	17.64
1.00	40	4.010	40	4.010	...	...	4.73	5.51	6.30	7.88	9.45	10.24	11.03	11.81	12.60	14.17	14.65	15.75	16.54	17.32
1.00	44	4.411	44	4.411	...	...	...	...	5.67	7.25	8.82	9.61	10.40	11.18	11.97	13.54	14.02	15.12	15.91	16.69
1.00	48	4.812	48	4.812	...	...	...	...	...	6.62	8.19	8.98	9.77	10.55	11.34	12.91	13.39	14.49	15.28	16.06
1.00	56	5.614	56	5.614	...	...	...	...	...	...	6.93	7.72	8.51	9.29	10.08	11.65	12.13	13.23	14.02	14.80
1.00	64	6.416	64	6.416	...	...	...	...	...	...	...	...	7.25	8.03	8.82	10.39	10.87	11.97	12.76	13.54
1.00	72	7.218	72	7.218	...	...	...	...	...	...	...	...	...	...	...	9.13	9.61	10.71	11.50	12.28
1.00	80	8.020	80	8.020	...	...	...	...	...	...	...	...	...	...	...	...	...	9.45	10.24	11.02
1.05	38	3.810	40	4.010	...	...	4.88	5.67	6.46	8.03	9.61	10.39	11.18	11.97	12.76	14.33	14.80	15.90	16.69	17.48
1.06	36	3.609	38	3.810	...	...	5.20	5.98	6.77	8.35	9.92	10.71	11.50	12.28	13.07	14.64	15.12	16.22	17.01	17.79
1.06	34	3.409	36	3.609	...	...	5.51	6.30	7.09	8.66	10.24	11.02	11.81	12.60	13.39	14.96	15.43	16.53	17.32	18.11
1.06	32	3.208	34	3.409	...	...	4.25	5.83	6.61	7.40	8.98	10.55	11.34	12.13	12.91	13.70	15.27	15.75	16.85	17.64
1.07	30	3.008	32	3.208	...	...	4.57	6.14	6.93	7.72	9.29	10.87	11.65	12.44	13.23	14.02	15.59	16.06	17.16	17.95
1.07	28	2.807	30	3.008	...	...	4.88	6.46	7.24	8.03	9.61	11.18	11.97	12.76	13.54	14.33	15.90	16.38	17.48	18.27
1.08	26	2.607	28	2.807	3.31	5.20	6.77	7.56	8.35	9.92	11.50	12.28	13.07	13.86	14.65	16.22	16.69	17.79	18.58	19.37	
1.08	24	2.406	26	2.607	3.62	5.51	7.09	7.87	8.66	10.24	11.81	12.60	13.39	14.17	14.96	16.53	17.01	18.11	18.90	19.68	
1.09	22	2.206	24	2.406	3.94	5.83	7.40	8.19	8.98	10.55	12.13	12.91	13.70	14.49	15.28	16.85	17.32	18.42	19.21	20.00	
1.09	44	4.411	48	4.812	...	...	...	...	5.35	6.93	8.50	9.29	10.08	10.86	11.65	13.22	13.70	14.80	15.59	16.38
1.10	40	4.010	44	4.411	...	...	...	5.19	5.98	7.56	9.13	9.92	10.71	11.49	12.28	13.85	14.33	15.43	16.22	17.00
1.11	36	3.609	40	4.010	...	...	5.04	5.82	6.61	8.19	9.76	10.55	11.34	12.12	12.91	14.48	14.96	16.06	16.85	17.63
1.11	72	7.218	80	8.020	...	...	...	...	...	...	...	...	...	...	...	8.49	8.97	10.07	10.86	11.65
1.12	34	3.409	38	3.810	...	...	5.35	6.14	6.93	8.50	10.08	10.86	11.65	12.44	13.23	14.80	15.27	16.37	17.16	17.95
1.13	32	3.208	36	3.609	...	...	4.09	5.67	6.45	7.24	8.82	10.39	11.18	11.97	12.75	13.54	15.11	15.59	16.69	17.48
1.13	64	6.416	72	7.218	...	...	...	...	...	...	...	...	...	...	7.39	8.18	9.75	10.23	11.33	12.12
1.13	80	8.020	90	9.023	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.44	10.22
1.13	30	3.008	34	3.409	...	...	4.41	5.98	6.77	7.56	9.13	10.71	11.49	12.28	13.07	13.86	15.43	15.90	17.00	17.79
1.14	28	2.807	32	3.208	...	...	4.72	6.30	7.08	7.87	9.45	11.02	11.81	12.60	13.38	14.17	15.74	16.22	17.32	18.11
1.14	56	5.614	64	6.416	...	...	...	...	...	...	...	7.08	7.87	8.65	9.44	11.01	11.49	12.59	13.38	14.17
1.15	26	2.607	30	3.008	...	...	5.04	6.61	7.40	8.19	9.76	11.34	12.12	12.91	13.70	14.49	16.06	16.53	17.63	18.42
1.16	38	3.810	44	4.411	...	...	...	5.34	6.14	7.71	9.29	10.07	10.86	11.65	12.44	14.01	14.49	15.59	16.38	17.16
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

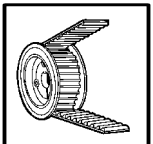
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																	
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Diam. Inches																		
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
1.00	22	2.206	22	2.206	20.63	21.73	24.88	26.30	27.71	28.03	31.18	31.97	35.90	39.84	43.78	47.71	51.65	56.53	61.10	67.40	83.15	
1.00	24	2.406	24	2.406	20.32	21.42	24.57	25.99	27.40	27.72	30.87	31.66	35.59	39.53	43.47	47.40	51.34	56.22	60.79	67.09	82.84	
1.00	26	2.607	26	2.607	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52	
1.00	28	2.807	28	2.807	19.69	20.79	23.94	25.36	26.77	27.09	30.24	31.03	34.96	38.90	42.84	46.77	50.71	55.59	60.16	66.46	82.21	
1.00	30	3.008	30	3.008	19.37	20.47	23.62	25.04	26.46	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.40	55.28	59.84	66.14	81.89	
1.00	32	3.208	32	3.208	19.06	20.16	23.31	24.73	26.14	26.46	29.61	30.40	34.33	38.27	42.21	46.14	50.08	54.96	59.53	65.83	81.58	
1.00	34	3.409	34	3.409	18.74	19.84	22.99	24.41	25.83	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.77	54.65	59.21	65.51	81.26	
1.00	36	3.609	36	3.609	18.43	19.53	22.68	24.10	25.51	25.83	28.98	29.77	33.70	37.64	41.58	45.51	49.45	54.33	58.90	65.20	80.95	
1.00	38	3.810	38	3.810	18.11	19.21	22.36	23.78	25.20	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.14	54.02	58.58	64.88	80.63	
1.00	40	4.010	40	4.010	17.80	18.90	22.05	23.47	24.88	25.20	28.35	29.14	33.07	37.01	40.95	44.88	48.82	53.70	58.27	64.57	80.32	
1.00	44	4.411	44	4.411	17.17	18.27	21.42	22.84	24.25	24.57	27.72	28.51	32.44	36.38	40.32	44.25	48.19	53.07	57.64	63.94	79.69	
1.00	48	4.812	48	4.812	16.54	17.64	20.79	22.21	23.62	23.94	27.09	27.88	31.81	35.75	39.69	43.62	47.56	52.44	57.01	63.31	79.06	
1.00	56	5.614	56	5.614	15.28	16.38	19.53	20.95	22.36	22.68	25.83	26.62	30.55	34.49	38.43	42.36	46.30	51.18	55.75	62.05	77.80	
1.00	64	6.416	64	6.416	14.02	15.12	18.27	19.69	21.10	21.42	24.57	25.36	29.29	33.23	37.17	41.10	45.04	49.92	54.49	60.79	76.54	
1.00	72	7.218	72	7.218	12.76	13.86	17.01	18.43	19.84	20.16	23.31	24.10	28.03	31.97	35.91	39.84	43.78	48.66	53.23	59.53	75.28	
1.00	80	8.020	80	8.020	11.50	12.60	15.75	17.17	18.58	18.90	22.05	22.84	26.77	30.71	34.65	38.58	42.52	47.40	51.97	58.27	74.02	
1.05	38	3.810	40	4.010	17.95	19.05	22.20	23.62	25.04	25.35	28.50	29.29	33.23	37.16	41.10	45.04	48.98	53.86	58.42	64.72	80.47	
1.06	36	3.609	38	3.810	18.27	19.37	22.52	23.94	25.35	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79	
1.06	34	3.409	36	3.609	18.58	19.68	22.83	24.25	25.67	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10	
1.06	32	3.208	34	3.409	18.90	20.00	23.15	24.57	25.98	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42	
1.07	30	3.008	32	3.208	19.21	20.31	23.46	24.88	26.30	26.61	29.76	30.55	34.49	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73	
1.07	28	2.807	30	3.008	19.53	20.63	23.78	25.20	26.61	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05	
1.08	26	2.607	28	2.807	19.84	20.94	24.09	25.51	26.93	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36	
1.08	24	2.406	26	2.607	20.16	21.26	24.41	25.83	27.24	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68	
1.09	22	2.206	24	2.406	20.47	21.57	24.72	26.14	27.56	27.87	31.02	31.81	35.75	39.68	43.62	47.56	51.50	56.38	60.94	67.24	82.99	
1.09	44	4.411	48	4.812	16.85	17.95	21.10	22.52	23.94	24.25	27.40	28.19	32.13	36.06	40.00	43.94	47.88	52.76	57.32	63.62	79.37	
1.10	40	4.010	44	4.411	17.48	18.58	21.73	23.15	24.57	24.88	28.03	28.82	32.76	36.69	40.63	44.57	48.51	53.39	57.95	64.25	80.00	
1.11	36	3.609	40	4.010	18.11	19.21	22.36	23.78	25.20	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.14	54.02	58.58	64.88	80.63	
1.11	72	7.218	80	8.020	12.12	13.22	16.37	17.79	19.21	19.52	22.67	23.46	27.40	31.33	35.27	39.21	43.15	48.03	52.60	58.90	74.65	
1.12	34	3.409	38	3.810	18.42	19.52	22.67	24.09	25.51	25.82	28.97	29.76	33.70	37.63	41.57	45.51	49.45	54.33	58.89	65.19	80.94	
1.13	32	3.208	36	3.609	18.74	19.84	22.99	24.41	25.83	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.77	54.65	59.21	65.51	81.26	
1.13	64	6.416	72	7.218	13.38	14.48	17.63	19.05	20.47	20.78	23.93	24.72	28.66	32.59	36.53	40.47	44.41	49.29	53.86	60.16	75.91	
1.13	80	8.020	90	9.023	10.70	11.80	14.95	16.37	17.79	18.10	21.25	22.04	25.98	29.92	33.86	37.79	41.73	46.61	51.18	57.48	73.23	
1.13	30	3.008	34	3.409	19.05	20.15	23.30	24.72	26.14	26.45	29.60	30.39	34.33	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57	
1.14	28	2.807	32	3.208	19.37	20.47	23.62	25.04	26.46	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.40	55.28	59.84	66.14	81.89	
1.14	56	5.614	64	6.416	14.64	15.74	18.89	20.31	21.73	22.04	25.19	25.98	29.92	33.85	37.79	41.73	45.67	50.55	55.12	61.42	77.17	
1.15	26	2.607	30	3.008	19.68	20.78	23.93	25.35	26.77	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20	
1.16	38	3.810	44	4.411	17.64	18.74	21.89	23.31	24.72	25.04	28.19	28.98	32.91	36.85	40.79	44.72	48.66	53.54	58.11	64.41	80.16	
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

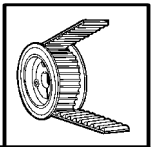
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT 150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		384-8M	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches																	
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.17	24	2.406	28	2.807	3.46	5.35	6.93	7.71	8.50	10.08	11.65	12.44	13.23	14.01	14.80	16.37	16.85	17.95	18.74	19.52	
1.17	48	4.812	56	5.614	...	...	...	...	...	5.97	7.55	8.34	9.13	9.91	10.70	12.27	12.75	13.85	14.64	15.43
1.18	34	3.409	40	4.010	...	...	5.19	5.98	6.77	8.34	9.92	10.70	11.49	12.28	13.07	14.64	15.12	16.22	17.01	17.79
1.18	22	2.206	26	2.607	3.77	5.67	7.24	8.03	8.82	10.39	11.97	12.75	13.54	14.33	15.12	16.69	17.16	18.26	19.05	19.84	
1.19	32	3.208	38	3.810	...	...	5.50	6.29	7.08	8.66	10.23	11.02	11.81	12.59	13.38	14.96	15.43	16.53	17.32	18.11
1.20	30	3.008	36	3.609	...	4.24	5.82	6.61	7.40	8.97	10.55	11.33	12.12	12.91	13.70	15.27	15.75	16.85	17.64	18.42	
1.20	40	4.010	48	4.812	...	...	...	...	5.66	7.24	8.81	9.60	10.39	11.17	11.96	13.54	14.01	15.11	15.90	16.69
1.21	28	2.807	34	3.409	...	4.56	6.14	6.92	7.71	9.29	10.86	11.65	12.44	13.22	14.01	15.59	16.06	17.16	17.95	18.74	
1.22	36	3.609	44	4.411	...	...	4.71	5.50	6.29	7.87	9.44	10.23	11.02	11.80	12.59	14.17	14.64	15.74	16.53	17.32
1.23	26	2.607	32	3.208	...	4.87	6.45	7.24	8.03	9.60	11.18	11.96	12.75	13.54	14.33	15.90	16.38	17.48	18.27	19.05	
1.25	24	2.406	30	3.008	3.29	5.19	6.77	7.55	8.34	9.92	11.49	12.28	13.07	13.85	14.64	16.22	16.69	17.79	18.58	19.37	
1.25	32	3.208	40	4.010	...	...	5.34	6.13	6.92	8.50	10.07	10.86	11.65	12.43	13.22	14.80	15.27	16.37	17.16	17.95
1.25	64	6.416	80	8.020	...	...	...	...	...	...	...	...	...	...	...	9.10	9.57	10.68	11.47	12.26
1.25	72	7.218	90	9.023	...	...	...	...	...	...	...	...	...	...	...	...	...	9.25	10.04	10.83
1.26	38	3.810	48	4.812	...	...	...	5.01	5.81	7.39	8.96	9.75	10.54	11.33	12.12	13.69	14.16	15.27	16.06	16.84
1.27	30	3.008	38	3.810	...	4.08	5.66	6.44	7.23	8.81	10.39	11.17	11.96	12.75	13.54	15.11	15.58	16.69	17.48	18.26	
1.27	22	2.206	28	2.807	3.61	5.50	7.08	7.87	8.66	10.23	11.81	12.59	13.38	14.17	14.96	16.53	17.01	18.11	18.90	19.68	
1.27	44	4.411	56	5.614	...	...	...	...	...	6.27	7.85	8.64	9.43	10.22	11.01	12.58	13.06	14.16	14.95	15.73
1.29	28	2.807	36	3.609	...	4.39	5.97	6.76	7.55	9.13	10.70	11.49	12.28	13.06	13.86	15.43	15.90	17.00	17.79	18.58	
1.29	56	5.614	72	7.218	...	...	...	...	...	...	...	...	7.20	7.99	8.79	10.36	10.84	11.94	12.73	13.52
1.29	34	3.409	44	4.411	...	...	4.86	5.65	6.44	8.02	9.60	10.38	11.17	11.96	12.75	14.32	14.79	15.90	16.69	17.47
1.31	26	2.607	34	3.409	...	4.71	6.29	7.07	7.86	9.44	11.02	11.80	12.59	13.38	14.17	15.74	16.22	17.32	18.11	18.89	
1.33	24	2.406	32	3.208	...	5.02	6.60	7.39	8.18	9.76	11.33	12.12	12.91	13.69	14.49	16.06	16.53	17.63	18.42	19.21	
1.33	30	3.008	40	4.010	...	...	5.49	6.28	7.07	8.65	10.23	11.01	11.80	12.59	13.38	14.95	15.42	16.53	17.32	18.10
1.33	36	3.609	48	4.812	...	...	...	5.16	5.96	7.54	9.12	9.90	10.69	11.48	12.27	13.84	14.32	15.42	16.21	17.00
1.33	48	4.812	64	6.416	...	...	...	...	...	...	6.88	7.67	8.47	9.26	10.05	11.62	12.10	13.20	13.99	14.78
1.36	28	2.807	38	3.810	...	4.22	5.81	6.59	7.39	8.96	10.54	11.33	12.12	12.90	13.69	15.26	15.74	16.84	17.63	18.42	
1.36	22	2.206	30	3.008	3.44	5.34	6.92	7.70	8.50	10.07	11.65	12.43	13.22	14.01	14.80	16.37	16.85	17.95	18.74	19.52	
1.38	32	3.208	44	4.411	...	...	5.00	5.79	6.59	8.17	9.75	10.53	11.33	12.11	12.90	14.47	14.95	16.05	16.84	17.63
1.39	26	2.607	36	3.609	...	4.54	6.12	6.91	7.70	9.28	10.86	11.64	12.43	13.22	14.01	15.58	16.06	17.16	17.95	18.73	
1.40	40	4.010	56	5.614	...	...	...	...	...	6.57	8.15	8.94	9.73	10.52	11.31	12.89	13.36	14.46	15.26	16.04
1.40	80	8.020	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1.41	64	6.416	90	9.023	...	...	...	...	...	...	...	...	...	...	...	8.24	8.72	9.83	10.63	11.42
1.41	34	3.409	48	4.812	...	...	...	5.31	6.10	7.69	9.27	10.05	10.85	11.63	12.42	14.00	14.47	15.57	16.36	17.15
1.42	24	2.406	34	3.409	...	4.86	6.44	7.23	8.02	9.59	11.17	11.96	12.75	13.53	14.32	15.89	16.37	17.47	18.26	19.05	
1.43	28	2.807	40	4.010	...	4.05	5.64	6.43	7.22	8.80	10.38	11.16	11.96	12.74	13.53	15.10	15.58	16.68	17.47	18.26	
1.43	56	5.614	80	8.020	...	...	...	...	...	...	...	...	...	...	8.10	9.69	10.17	11.27	12.07	12.86
1.46	22	2.206	32	3.208	3.27	5.17	6.75	7.54	8.33	9.91	11.49	12.27	13.06	13.85	14.64	16.21	16.69	17.79	18.58	19.36	
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

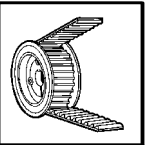
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																		
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M		
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Diam. Inches																			
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
1.17	24	2.406	28	2.807	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.28	39.21	43.15	47.09	51.03	55.91	60.47	66.77	82.52		
1.17	48	4.812	56	5.614	15.90	17.00	20.15	21.57	22.99	23.30	26.45	27.24	31.18	35.11	39.05	42.99	46.93	51.81	56.38	62.68	78.43		
1.18	34	3.409	40	4.010	18.27	19.37	22.52	23.94	25.35	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79		
1.18	22	2.206	26	2.607	20.31	21.41	24.56	25.98	27.40	27.71	30.86	31.65	35.59	39.52	43.46	47.40	51.34	56.22	60.78	67.08	82.83		
1.19	32	3.208	38	3.810	18.58	19.68	22.83	24.25	25.67	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10		
1.20	30	3.008	36	3.609	18.90	20.00	23.15	24.57	25.98	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42		
1.20	40	4.010	48	4.812	17.16	18.26	21.41	22.83	24.25	24.56	27.71	28.50	32.44	36.37	40.31	44.25	48.19	53.07	57.63	63.93	79.69		
1.21	28	2.807	34	3.409	19.21	20.31	23.46	24.88	26.30	26.61	29.76	30.55	34.49	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73		
1.22	36	3.609	44	4.411	17.79	18.89	22.04	23.46	24.88	25.19	28.34	29.13	33.07	37.00	40.94	44.88	48.82	53.70	58.26	64.56	80.32		
1.23	26	2.607	32	3.208	19.53	20.63	23.78	25.20	26.61	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05		
1.25	24	2.406	30	3.008	19.84	20.94	24.09	25.51	26.93	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36		
1.25	32	3.208	40	4.010	18.42	19.52	22.67	24.09	25.51	25.82	28.97	29.76	33.70	37.63	41.57	45.51	49.45	54.33	58.89	65.19	80.95		
1.25	64	6.416	80	8.020	12.73	13.83	16.99	18.41	19.83	20.14	23.29	24.08	28.02	31.96	35.90	39.83	43.77	48.66	53.22	59.52	75.27		
1.25	72	7.218	90	9.023	11.30	12.41	15.56	16.99	18.40	18.72	21.87	22.66	26.60	30.54	34.48	38.41	42.35	47.24	51.80	58.10	73.85		
1.26	38	3.810	48	4.812	17.32	18.42	21.57	22.99	24.40	24.72	27.87	28.66	32.59	36.53	40.47	44.41	48.35	53.23	57.79	64.09	79.84		
1.27	30	3.008	38	3.810	18.74	19.84	22.99	24.41	25.82	26.14	29.29	30.08	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26		
1.27	22	2.206	28	2.807	20.16	21.26	24.41	25.83	27.24	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68		
1.27	44	4.411	56	5.614	16.21	17.31	20.46	21.88	23.30	23.61	26.76	27.55	31.49	35.43	39.37	43.30	47.24	52.12	56.69	62.99	78.74		
1.29	28	2.807	36	3.609	19.05	20.15	23.30	24.72	26.14	26.45	29.60	30.39	34.33	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57		
1.29	56	5.614	72	7.218	13.99	15.10	18.25	19.67	21.09	21.40	24.55	25.34	29.28	33.22	37.16	41.09	45.03	49.92	54.48	60.78	76.53		
1.29	34	3.409	44	4.411	17.95	19.05	22.20	23.62	25.03	25.35	28.50	29.29	33.22	37.16	41.10	45.04	48.98	53.86	58.42	64.72	80.47		
1.31	26	2.607	34	3.409	19.37	20.47	23.62	25.04	26.45	26.77	29.92	30.71	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89		
1.33	24	2.406	32	3.208	19.68	20.78	23.93	25.35	26.77	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20		
1.33	30	3.008	40	4.010	18.58	19.68	22.83	24.25	25.66	25.98	29.13	29.92	33.85	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10		
1.33	36	3.609	48	4.812	17.47	18.57	21.72	23.14	24.56	24.87	28.02	28.81	32.75	36.69	40.63	44.56	48.50	53.38	57.95	64.25	80.00		
1.33	48	4.812	64	6.416	15.26	16.36	19.51	20.93	22.35	22.66	25.81	26.60	30.54	34.48	38.42	42.35	46.29	51.18	55.74	62.04	77.79		
1.36	28	2.807	38	3.810	18.89	19.99	23.14	24.56	25.98	26.29	29.44	30.23	34.17	38.10	42.05	45.98	49.92	54.80	59.37	65.67	81.42		
1.36	22	2.206	30	3.008	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52		
1.38	32	3.208	44	4.411	18.10	19.20	22.35	23.77	25.19	25.50	28.65	29.44	33.38	37.32	41.26	45.19	49.13	54.01	58.58	64.88	80.63		
1.39	26	2.607	36	3.609	19.21	20.31	23.46	24.88	26.29	26.61	29.76	30.55	34.48	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73		
1.40	40	4.010	56	5.614	16.52	17.62	20.77	22.19	23.61	23.92	27.07	27.86	31.80	35.74	39.68	43.61	47.55	52.44	57.00	63.30	79.05		
1.40	80	8.020	112	11.229	...	9.95	13.13	14.56	15.98	16.30	19.46	20.25	24.20	28.14	32.09	36.03	39.97	44.85	49.42	55.72	71.48		
1.41	64	6.416	90	9.023	11.90	13.00	16.17	17.59	19.01	19.33	22.48	23.27	27.21	31.15	35.10	39.03	42.97	47.86	52.42	58.72	74.48		
1.41	34	3.409	48	4.812	17.62	18.73	21.88	23.30	24.71	25.03	28.18	28.97	32.91	36.84	40.78	44.72	48.66	53.54	58.10	64.40	80.16		
1.42	24	2.406	34	3.409	19.52	20.62	23.77	25.19	26.61	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	60.00	66.30	82.05		
1.43	28	2.807	40	4.010	18.73	19.83	22.98	24.40	25.82	26.13	29.28	30.07	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26		
1.43	56	5.614	80	8.020	13.33	14.44	17.60	19.02	20.44	20.75	23.91	24.70	28.64	32.57	36.52	40.45	44.40	49.28	53.84	60.14	75.90		
1.46	22	2.206	32	3.208	19.84	20.94	24.09	25.51	26.92	27.24	30.39	31.18	35.11	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36		
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	

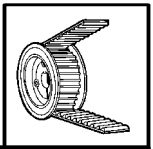
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT 150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

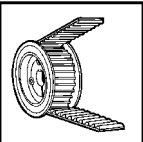
Speed Ratio	Sprocket Combinations				Center Distance, Inches															
	Driver		Driven		480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches																
Length Factor*					0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.46	44	4.411	64	6.416	...	...	...	...	...	7.18	7.97	8.76	9.55	10.35	11.92	12.40	13.50	14.30	15.08
1.46	26	2.607	38	3.810	4.37	5.95	6.74	7.54	9.12	10.69	11.48	12.27	13.06	13.85	15.42	15.89	16.99	17.78	18.57	
1.47	30	3.008	44	4.411	...	5.15	5.94	6.74	8.32	9.90	10.69	11.48	12.26	13.05	14.63	15.10	16.20	16.99	17.78	
1.47	38	3.810	56	5.614	...	...	...	...	6.71	8.30	9.09	9.88	10.67	11.46	13.04	13.51	14.62	15.41	16.19
1.50	24	2.406	36	3.609	4.69	6.27	7.06	7.85	9.43	11.01	11.80	12.59	13.37	14.16	15.73	16.21	17.31	18.10	18.89	
1.50	32	3.208	48	4.812	...	4.66	5.45	6.25	7.84	9.42	10.20	11.00	11.78	12.58	14.15	14.62	15.73	16.52	17.30	
1.50	48	4.812	72	7.218	...	...	...	...	...	...	6.98	7.78	8.58	9.37	10.96	11.43	12.54	13.33	14.12
1.54	26	2.607	40	4.010	4.19	5.79	6.58	7.37	8.95	10.53	11.32	12.11	12.89	13.69	15.26	15.73	16.83	17.62	18.41	
1.55	22	2.206	34	3.409	5.00	6.59	7.38	8.17	9.75	11.32	12.11	12.90	13.69	14.48	16.05	16.52	17.62	18.42	19.20	
1.56	36	3.609	56	5.614	...	...	...	5.26	6.86	8.45	9.24	10.03	10.82	11.61	13.19	13.66	14.77	15.56	16.35
1.56	72	7.218	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1.57	28	2.807	44	4.411	...	5.30	6.09	6.88	8.47	10.05	10.84	11.63	12.42	13.21	14.78	15.25	16.36	17.15	17.93	
1.58	24	2.406	38	3.810	4.51	6.10	6.89	7.69	9.27	10.85	11.63	12.42	13.21	14.00	15.57	16.05	17.15	17.94	18.72	
1.60	30	3.008	48	4.812	...	4.80	5.60	6.39	7.98	9.57	10.35	11.15	11.93	12.73	14.30	14.78	15.88	16.67	17.45	
1.60	40	4.010	64	6.416	...	...	...	...	5.86	7.46	8.26	9.06	9.85	10.64	12.22	12.70	13.80	14.60	15.38
1.61	56	5.614	90	9.023	...	...	...	...	...	...	...	...	...	...	8.81	9.29	10.41	11.21	12.00
1.64	22	2.206	36	3.609	4.83	6.42	7.21	8.00	9.58	11.16	11.95	12.74	13.52	14.32	15.89	16.36	17.46	18.25	19.04	
1.64	44	4.411	72	7.218	...	...	...	...	...	6.46	7.27	8.07	8.87	9.66	11.25	11.73	12.83	13.63	14.42
1.65	34	3.409	56	5.614	...	...	...	5.40	7.00	8.59	9.38	10.18	10.97	11.76	13.34	13.81	14.92	15.71	16.50
1.67	24	2.406	40	4.010	4.34	5.93	6.72	7.52	9.10	10.68	11.47	12.26	13.05	13.84	15.41	15.89	16.99	17.78	18.56	
1.67	48	4.812	80	8.020	...	...	...	...	...	...	...	7.06	7.87	8.67	10.27	10.75	11.86	12.65	13.45
1.68	38	3.810	64	6.416	...	...	...	...	6.00	7.61	8.40	9.20	9.99	10.79	12.37	12.85	13.95	14.75	15.53
1.69	26	2.607	44	4.411	...	5.44	6.23	7.03	8.62	10.20	10.99	11.78	12.57	13.36	14.93	15.41	16.51	17.30	18.09	
1.71	28	2.807	48	4.812	...	4.94	5.74	6.54	8.13	9.71	10.50	11.30	12.08	12.88	14.45	14.93	16.03	16.82	17.61	
1.73	22	2.206	38	3.810	4.66	6.25	7.04	7.83	9.42	11.00	11.78	12.57	13.36	14.15	15.72	16.20	17.30	18.09	18.88	
1.75	32	3.208	56	5.614	...	...	...	5.54	7.14	8.74	9.53	10.33	11.12	11.91	13.49	13.96	15.07	15.86	16.65
1.75	64	6.416	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.45
1.78	36	3.609	64	6.416	...	...	...	...	6.14	7.75	8.55	9.35	10.14	10.94	12.52	13.00	14.10	14.90	15.68
1.80	40	4.010	72	7.218	...	...	...	...	...	6.74	7.55	8.35	9.15	9.95	11.54	12.02	13.13	13.92	14.71
1.80	80	8.020	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1.82	22	2.206	40	4.010	4.48	6.08	6.87	7.66	9.25	10.83	11.62	12.41	13.20	13.99	15.56	16.04	17.14	17.93	18.72	
1.82	44	4.411	80	8.020	...	...	...	...	...	...	...	7.34	8.15	8.95	10.55	11.03	12.15	12.95	13.74
1.83	24	2.406	44	4.411	3.97	5.58	6.38	7.18	8.76	10.35	11.14	11.93	12.72	13.51	15.08	15.56	16.66	17.45	18.24	
1.85	26	2.607	48	4.812	...	5.08	5.88	6.68	8.27	9.86	10.65	11.44	12.23	13.03	14.60	15.08	16.18	16.97	17.76	
1.87	30	3.008	56	5.614	...	...	4.86	5.68	7.29	8.88	9.68	10.47	11.26	12.06	13.64	14.11	15.22	16.01	16.80
1.88	48	4.812	90	9.023	...	...	...	...	...	...	...	...	...	7.75	9.37	9.85	10.98	11.78	12.58
1.88	34	3.409	64	6.416	...	...	...	...	6.28	7.89	8.69	9.49	10.28	11.08	12.66	13.14	14.25	15.04	15.83
1.90	38	3.810	72	7.218	...	...	...	...	...	6.88	7.68	8.49	9.29	10.09	11.68	12.16	13.27	14.07	14.86
Length Factor*					0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																	
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Diam. Inches																		
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
1.46	44	4.411	64	6.416	15.56	16.66	19.82	21.24	22.65	22.97	26.12	26.91	30.85	34.79	38.73	42.66	46.61	51.49	56.05	62.35	78.11	
1.46	26	2.607	38	3.810	19.05	20.15	23.30	24.72	26.13	26.45	29.60	30.39	34.32	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57	
1.47	30	3.008	44	4.411	18.25	19.36	22.51	23.93	25.34	25.66	28.81	29.60	33.54	37.47	41.41	45.35	49.29	54.17	58.73	65.03	80.79	
1.47	38	3.810	56	5.614	16.67	17.77	20.92	22.35	23.76	24.08	27.23	28.02	31.96	35.89	39.83	43.77	47.71	52.59	57.16	63.46	79.21	
1.50	24	2.406	36	3.609	19.36	20.46	23.61	25.03	26.45	26.76	29.91	30.70	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89	
1.50	32	3.208	48	4.812	17.78	18.88	22.03	23.45	24.87	25.18	28.33	29.13	33.06	37.00	40.94	44.87	48.81	53.70	58.26	64.56	80.31	
1.50	48	4.812	72	7.218	14.60	15.70	18.86	20.28	21.70	22.01	25.17	25.96	29.90	33.84	37.78	41.71	45.66	50.54	55.10	61.40	77.16	
1.54	26	2.607	40	4.010	18.88	19.99	23.14	24.56	25.97	26.29	29.44	30.23	34.17	38.10	42.04	45.98	49.92	54.80	59.36	65.66	81.41	
1.55	22	2.206	34	3.409	19.68	20.78	23.93	25.35	26.76	27.08	30.23	31.02	34.95	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20	
1.56	36	3.609	56	5.614	16.82	17.92	21.08	22.50	23.92	24.23	27.38	28.17	32.11	36.05	39.99	43.92	47.87	52.75	57.31	63.61	79.36	
1.56	72	7.218	112	11.229	...	10.51	13.71	15.14	16.57	16.89	20.06	20.85	24.80	28.75	32.70	36.64	40.58	45.47	50.04	56.34	72.10	
1.57	28	2.807	44	4.411	18.41	19.51	22.66	24.08	25.50	25.81	28.96	29.76	33.69	37.63	41.57	45.50	49.44	54.33	58.89	65.19	80.94	
1.58	24	2.406	38	3.810	19.20	20.30	23.45	24.87	26.29	26.60	29.75	30.54	34.48	38.42	42.36	46.29	50.23	55.11	59.68	65.98	81.73	
1.60	30	3.008	48	4.812	17.93	19.03	22.18	23.61	25.02	25.34	28.49	29.28	33.22	37.15	41.09	45.03	48.97	53.85	58.42	64.72	80.47	
1.60	40	4.010	64	6.416	15.86	16.96	20.12	21.54	22.96	23.28	26.43	27.22	31.16	35.10	39.04	42.97	46.92	51.80	56.36	62.66	78.42	
1.61	56	5.614	90	9.023	12.48	13.59	16.76	18.19	19.61	19.93	23.09	23.88	27.82	31.76	35.71	39.65	43.59	48.47	53.04	59.34	75.10	
1.64	22	2.206	36	3.609	19.52	20.62	23.77	25.19	26.60	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	59.99	66.29	82.04	
1.64	44	4.411	72	7.218	14.90	16.00	19.16	20.58	22.00	22.32	25.47	26.26	30.20	34.14	38.09	42.02	45.97	50.85	55.41	61.72	77.47	
1.65	34	3.409	56	5.614	16.97	18.07	21.23	22.65	24.07	24.38	27.54	28.33	32.26	36.20	40.14	44.08	48.02	52.90	57.47	63.77	79.52	
1.67	24	2.406	40	4.010	19.04	20.14	23.29	24.71	26.13	26.44	29.60	30.39	34.32	38.26	42.20	46.13	50.07	54.96	59.52	65.82	81.57	
1.67	48	4.812	80	8.020	13.92	15.03	18.20	19.62	21.04	21.36	24.51	25.31	29.25	33.19	37.13	41.07	45.01	49.90	54.46	60.77	76.52	
1.68	38	3.810	64	6.416	16.01	17.11	20.27	21.69	23.11	23.43	26.58	27.37	31.31	35.25	39.19	43.13	47.07	51.95	56.52	62.82	78.57	
1.69	26	2.607	44	4.411	18.56	19.66	22.82	24.24	25.65	25.97	29.12	29.91	33.85	37.78	41.72	45.66	49.60	54.48	59.05	65.35	81.10	
1.71	28	2.807	48	4.812	18.08	19.18	22.34	23.76	25.18	25.49	28.64	29.43	33.37	37.31	41.25	45.18	49.13	54.01	58.57	64.87	80.62	
1.73	22	2.206	38	3.810	19.35	20.45	23.61	25.03	26.44	26.76	29.91	30.70	34.64	38.57	42.51	46.45	50.39	55.27	59.83	66.14	81.89	
1.75	32	3.208	56	5.614	17.12	18.23	21.38	22.80	24.22	24.54	27.69	28.48	32.42	36.36	40.30	44.23	48.18	53.06	57.62	63.92	79.68	
1.75	64	6.416	112	11.229	9.94	11.07	14.28	15.72	17.15	17.47	20.65	21.44	25.40	29.35	33.30	37.24	41.19	46.08	50.65	56.96	72.72	
1.78	36	3.609	64	6.416	16.16	17.26	20.42	21.85	23.26	23.58	26.73	27.53	31.47	35.40	39.35	43.28	47.23	52.11	56.67	62.98	78.73	
1.80	40	4.010	72	7.218	15.19	16.30	19.46	20.88	22.30	22.62	25.78	26.57	30.51	34.45	38.39	42.33	46.27	51.16	55.72	62.03	77.78	
1.80	80	8.020	144	14.437	...	...	...	11.68	13.15	13.47	16.70	17.50	21.49	25.46	29.43	33.39	37.34	42.24	46.82	53.13	68.90
1.82	22	2.206	40	4.010	19.19	20.29	23.45	24.87	26.28	26.60	29.75	30.54	34.48	38.41	42.35	46.29	50.23	55.11	59.68	65.98	81.73	
1.82	44	4.411	80	8.020	14.22	15.33	18.49	19.92	21.34	21.66	24.82	25.61	29.55	33.49	37.44	41.38	45.32	50.20	54.77	61.08	76.83	
1.83	24	2.406	44	4.411	18.71	19.82	22.97	24.39	25.81	26.12	29.27	30.06	34.00	37.94	41.88	45.81	49.76	54.64	59.20	65.50	81.25	
1.85	26	2.607	48	4.812	18.23	19.34	22.49	23.91	25.33	25.64	28.80	29.59	33.53	37.46	41.40	45.34	49.28	54.16	58.73	65.03	80.78	
1.87	30	3.008	56	5.614	17.27	18.38	21.53	22.96	24.37	24.69	27.84	28.63	32.57	36.51	40.45	44.39	48.33	53.21	57.78	64.08	79.83	
1.88	48	4.812	90	9.023	13.06	14.17	17.35	18.78	20.20	20.52	23.69	24.48	28.43	32.37	36.32	40.26	44.20	49.09	53.66	59.96	75.72	
1.88	34	3.409	64	6.416	16.31	17.41	20.57	22.00	23.42	23.73	26.89	27.68	31.62	35.56	39.50	43.44	47.38	52.26	56.83	63.13	78.88	
1.90	38	3.810	72	7.218	15.34	16.45	19.61	21.03	22.45	22.77	25.93	26.72	30.66	34.60	38.55	42.48	46.43	51.31	55.88	62.18	77.94	
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

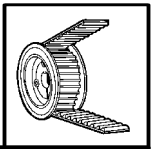
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT 150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches														
	Driver		Driven		560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches															
Length Factor*					0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.00	22	2.206	44	4.411	5.72	6.52	7.32	8.91	10.50	11.28	12.08	12.87	13.66	15.23	15.71	16.81	17.60	18.39	
2.00	24	2.406	48	4.812	5.22	6.02	6.82	8.42	10.01	10.80	11.59	12.38	13.18	14.75	15.23	16.33	17.12	17.91	
2.00	28	2.807	56	5.614	...	5.00	5.82	7.43	9.03	9.82	10.62	11.41	12.21	13.78	14.26	15.37	16.16	16.95	
2.00	32	3.208	64	6.416	...	...	...	6.41	8.03	8.83	9.63	10.43	11.23	12.81	13.29	14.40	15.19	15.98
2.00	36	3.609	72	7.218	...	...	...	...	7.01	7.82	8.63	9.43	10.24	11.83	12.31	13.42	14.22	15.01
2.00	40	4.010	80	8.020	...	...	...	...	...	6.79	7.61	8.42	9.23	10.84	11.32	12.43	13.23	14.03
2.00	56	5.614	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	9.17	9.99
2.00	72	7.218	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.05	44	4.411	90	9.023	...	...	...	...	...	...	...	7.19	8.01	9.64	10.13	11.26	12.06	12.86
2.11	38	3.810	80	8.020	...	...	...	...	...	6.92	7.75	8.56	9.37	10.98	11.46	12.58	13.38	14.17
2.12	34	3.409	72	7.218	...	...	...	...	7.15	7.96	8.77	9.57	10.38	11.97	12.45	13.56	14.36	15.15
2.13	30	3.008	64	6.416	...	...	...	6.55	8.17	8.97	9.77	10.57	11.37	12.96	13.44	14.54	15.34	16.13
2.15	26	2.607	56	5.614	...	5.13	5.95	7.57	9.17	9.96	10.76	11.56	12.35	13.93	14.41	15.52	16.31	17.10	
2.18	22	2.206	48	4.812	5.35	6.16	6.97	8.56	10.15	10.95	11.74	12.53	13.32	14.90	15.38	16.48	17.27	18.06	
2.22	36	3.609	80	8.020	...	...	...	...	...	7.05	7.88	8.70	9.51	11.12	11.60	12.72	13.52	14.32
2.25	32	3.208	72	7.218	...	...	...	...	7.28	8.10	8.91	9.71	10.52	12.12	12.60	13.71	14.51	15.30
2.25	40	4.010	90	9.023	...	...	...	...	...	...	...	7.45	8.28	9.92	10.41	11.54	12.34	13.14
2.25	64	6.416	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.29	28	2.807	64	6.416	...	...	...	6.69	8.31	9.11	9.92	10.71	11.51	13.10	13.58	14.69	15.49	16.28
2.33	24	2.406	56	5.614	.....	5.26	6.09	7.71	9.31	10.11	10.91	11.70	12.50	14.08	14.56	15.66	16.46	17.25
2.33	48	4.812	112	11.229	...	...	...	...	...	...	...	...	...	...	...	8.86	9.70	10.53
2.35	34	3.409	80	8.020	...	...	...	...	6.35	7.19	8.01	8.83	9.65	11.26	11.74	12.86	13.66	14.46
2.37	38	3.810	90	9.023	...	...	...	...	...	...	6.74	7.58	8.41	10.05	10.54	11.67	12.48	13.28
2.40	30	3.008	72	7.218	...	...	...	5.75	7.42	8.23	9.05	9.85	10.66	12.26	12.74	13.85	14.65	15.44
2.46	26	2.607	64	6.416	...	...	5.16	6.82	8.45	9.25	10.06	10.86	11.66	13.25	13.73	14.84	15.63	16.42
2.50	32	3.208	80	8.020	...	...	...	...	6.48	7.32	8.15	8.97	9.78	11.40	11.88	13.00	13.81	14.60
2.50	36	3.609	90	9.023	...	...	...	...	...	...	6.86	7.71	8.55	10.19	10.68	11.81	12.62	13.43
2.55	22	2.206	56	5.614	4.56	5.40	6.22	7.85	9.45	10.25	11.05	11.85	12.64	14.23	14.70	15.81	16.61	17.39	
2.55	44	4.411	112	11.229	...	...	...	...	...	...	...	...	...	...	...	9.12	9.96	10.79
2.57	28	2.807	72	7.218	...	...	...	5.88	7.55	8.37	9.19	9.99	10.80	12.40	12.88	14.00	14.80	15.59
2.57	56	5.614	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.65	34	3.409	90	9.023	...	...	...	...	...	...	6.99	7.84	8.68	10.32	10.81	11.95	12.76	13.56
2.67	24	2.406	64	6.416	...	...	5.29	6.96	8.59	9.39	10.20	11.00	11.80	13.39	13.87	14.98	15.78	16.57
2.67	30	3.008	80	8.020	...	...	...	...	6.61	7.45	8.28	9.10	9.92	11.54	12.02	13.14	13.95	14.75
2.77	26	2.607	72	7.218	...	...	...	6.01	7.68	8.50	9.32	10.13	10.94	12.54	13.02	14.14	14.94	15.73
2.80	40	4.010	112	11.229	...	...	...	...	...	...	...	...	...	...	8.16	9.37	10.22	11.06
2.81	32	3.208	90	9.023	...	...	...	...	...	...	7.12	7.97	8.81	10.46	10.95	12.09	12.90	13.70
2.86	28	2.807	80	8.020	...	...	...	...	6.74	7.58	8.41	9.24	10.06	11.67	12.16	13.28	14.09	14.89
Length Factor*					0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

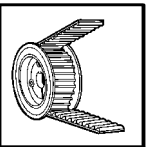
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																	
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Diam. Inches																		
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
2.00	22	2.206	44	4.411	18.87	19.97	23.12	24.54	25.96	26.27	29.43	30.22	34.16	38.09	42.03	45.97	49.91	54.79	59.36	65.66	81.41	
2.00	24	2.406	48	4.812	18.39	19.49	22.64	24.07	25.48	25.80	28.95	29.74	33.68	37.62	41.56	45.50	49.44	54.32	58.88	65.18	80.94	
2.00	28	2.807	56	5.614	17.42	18.53	21.69	23.11	24.53	24.84	28.00	28.79	32.73	36.66	40.61	44.54	48.49	53.37	57.93	64.24	79.99	
2.00	32	3.208	64	6.416	16.46	17.56	20.72	22.15	23.57	23.88	27.04	27.83	31.77	35.71	39.65	43.59	47.53	52.42	56.98	63.29	79.04	
2.00	36	3.609	72	7.218	15.49	16.59	19.76	21.18	22.60	22.92	26.08	26.87	30.81	34.75	38.70	42.64	46.58	51.46	56.03	62.34	78.09	
2.00	40	4.010	80	8.020	14.51	15.62	18.79	20.22	21.64	21.96	25.12	25.91	29.85	33.80	37.74	41.68	45.63	50.51	55.08	61.38	77.14	
2.00	56	5.614	112	11.229	10.49	11.63	14.85	16.29	17.73	18.05	21.23	22.03	25.99	29.94	33.90	37.85	41.80	46.69	51.26	57.57	73.33	
2.00	72	7.218	144	14.437	...	...	...	12.22	13.69	14.02	17.26	18.07	22.07	26.05	30.02	33.98	37.94	42.84	47.42	53.74	69.51
2.05	44	4.411	90	9.023	13.34	14.46	17.64	19.07	20.50	20.82	23.98	24.78	28.73	32.67	36.62	40.56	44.51	49.40	53.96	60.27	76.03	
2.11	38	3.810	80	8.020	14.65	15.76	18.94	20.36	21.79	22.10	25.27	26.06	30.00	33.95	37.90	41.84	45.78	50.67	55.23	61.54	77.30	
2.12	34	3.409	72	7.218	15.63	16.74	19.91	21.33	22.75	23.07	26.23	27.02	30.97	34.91	38.85	42.79	46.73	51.62	56.19	62.49	78.25	
2.13	30	3.008	64	6.416	16.61	17.71	20.87	22.30	23.72	24.03	27.19	27.98	31.92	35.86	39.81	43.75	47.69	52.57	57.14	63.44	79.20	
2.15	26	2.607	56	5.614	17.57	18.68	21.84	23.26	24.68	24.99	28.15	28.94	32.88	36.82	40.76	44.70	48.64	53.52	58.09	64.39	80.14	
2.18	22	2.206	48	4.812	18.54	19.64	22.80	24.22	25.63	25.95	29.10	29.89	33.83	37.77	41.71	45.65	49.59	54.47	59.04	65.34	81.09	
2.22	36	3.609	80	8.020	14.80	15.91	19.08	20.51	21.94	22.25	25.42	26.21	30.16	34.10	38.05	41.99	45.93	50.82	55.39	61.69	77.45	
2.25	32	3.208	72	7.218	15.78	16.89	20.06	21.48	22.90	23.22	26.38	27.17	31.12	35.06	39.00	42.94	46.89	51.77	56.34	62.64	78.40	
2.25	40	4.010	90	9.023	13.63	14.75	17.93	19.37	20.79	21.11	24.28	25.07	29.03	32.97	36.92	40.87	44.81	49.70	54.27	60.58	76.34	
2.25	64	6.416	144	14.437	...	...	11.24	12.75	14.23	14.56	17.81	18.62	22.64	26.62	30.60	34.57	38.53	43.44	48.02	54.34	70.12
2.29	28	2.807	64	6.416	16.75	17.86	21.02	22.45	23.87	24.18	27.34	28.13	32.08	36.02	39.96	43.90	47.84	52.73	57.29	63.60	79.35	
2.33	24	2.406	56	5.614	17.72	18.83	21.99	23.41	24.83	25.14	28.30	29.09	33.03	36.97	40.91	44.85	48.79	53.68	58.24	64.55	80.30	
2.33	48	4.812	112	11.229	11.03	12.17	15.41	16.86	18.30	18.62	21.81	22.61	26.58	30.54	34.50	38.45	42.40	47.29	51.87	58.18	73.95	
2.35	34	3.409	80	8.020	14.94	16.05	19.23	20.66	22.08	22.40	25.56	26.36	30.31	34.25	38.20	42.14	46.09	50.97	55.54	61.85	77.60	
2.37	38	3.810	90	9.023	13.77	14.89	18.08	19.51	20.94	21.26	24.43	25.22	29.17	33.12	37.07	41.02	44.97	49.85	54.42	60.73	76.49	
2.40	30	3.008	72	7.218	15.92	17.03	20.20	21.63	23.05	23.37	26.53	27.32	31.27	35.21	39.16	43.10	47.04	51.93	56.49	62.80	78.56	
2.46	26	2.607	64	6.416	16.90	18.01	21.17	22.60	24.02	24.33	27.49	28.28	32.23	36.17	40.11	44.05	48.00	52.88	57.45	63.75	79.51	
2.50	32	3.208	80	8.020	15.08	16.20	19.38	20.81	22.23	22.55	25.71	26.51	30.46	34.40	38.35	42.29	46.24	51.12	55.69	62.00	77.76	
2.50	36	3.609	90	9.023	13.91	15.03	18.22	19.66	21.08	21.40	24.57	25.37	29.32	33.27	37.23	41.17	45.12	50.01	54.58	60.88	76.65	
2.55	22	2.206	56	5.614	17.87	18.98	22.14	23.56	24.98	25.30	28.45	29.24	33.18	37.12	41.07	45.01	48.95	53.83	58.40	64.70	80.46	
2.55	44	4.411	112	11.229	11.29	12.44	15.69	17.14	18.58	18.90	22.10	22.90	26.87	30.83	34.79	38.75	42.70	47.59	52.17	58.48	74.25	
2.57	28	2.807	72	7.218	16.07	17.18	20.35	21.78	23.20	23.52	26.68	27.47	31.42	35.36	39.31	43.25	47.19	52.08	56.65	62.95	78.71	
2.57	56	5.614	144	14.437	...	...	11.76	13.28	14.77	15.10	18.36	19.18	23.20	27.20	31.18	35.15	39.12	44.03	48.62	54.94	70.73
2.65	34	3.409	90	9.023	14.05	15.17	18.37	19.80	21.23	21.55	24.72	25.52	29.47	33.42	37.38	41.32	45.27	50.16	54.73	61.04	76.80	
2.67	24	2.406	64	6.416	17.05	18.16	21.32	22.75	24.17	24.48	27.64	28.44	32.38	36.32	40.27	44.21	48.15	53.03	57.60	63.90	79.66	
2.67	30	3.008	80	8.020	15.23	16.34	19.52	20.95	22.38	22.70	25.86	26.66	30.61	34.55	38.50	42.44	46.39	51.28	55.85	62.15	77.91	
2.77	26	2.607	72	7.218	16.21	17.32	20.50	21.93	23.35	23.67	26.83	27.62	31.57	35.51	39.46	43.40	47.35	52.23	56.80	63.11	78.86	
2.80	40	4.010	112	11.229	11.56	12.71	15.97	17.42	18.86	19.19	22.38	23.18	27.16	31.13	35.09	39.04	43.00	47.90	52.47	58.79	74.56	
2.81	32	3.208	90	9.023	14.19	15.31	18.51	19.95	21.38	21.69	24.87	25.66	29.62	33.57	37.53	41.47	45.42	50.31	54.88	61.19	76.95	
2.86	28	2.807	80	8.020	15.37	16.49	19.67	21.10	22.53	22.84	26.01	26.80	30.76	34.70	38.65	42.60	46.54	51.43	56.00	62.31	78.07	
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

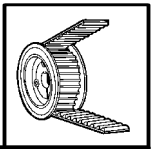
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT 150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches											
Length Factor*					0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.91	22	2.206	64	6.416	7.09	8.72	9.53	10.34	11.14	11.94	13.53	14.01	15.13	15.92	16.72
2.95	38	3.810	112	11.229	...	...	...	...	...	...	...	8.29	9.50	10.35	11.19
3.00	24	2.406	72	7.218	6.14	7.82	8.64	9.46	10.27	11.08	12.68	13.17	14.28	15.08	15.88
3.00	30	3.008	90	9.023	...	...	6.36	7.24	8.10	8.94	10.59	11.09	12.22	13.04	13.84
3.00	48	4.812	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.08	26	2.607	80	8.020	...	6.86	7.71	8.55	9.37	10.19	11.81	12.30	13.42	14.23	15.03
3.11	36	3.609	112	11.229	...	...	...	...	...	...	7.88	8.41	9.63	10.48	11.32
3.21	28	2.807	90	9.023	...	...	6.48	7.37	8.22	9.07	10.73	11.22	12.36	13.18	13.98
3.27	22	2.206	72	7.218	6.27	7.95	8.77	9.59	10.41	11.22	12.82	13.31	14.43	15.23	16.02
3.27	44	4.411	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.29	34	3.409	112	11.229	...	...	...	...	...	...	8.00	8.54	9.75	10.61	11.45
3.33	24	2.406	80	8.020	...	6.99	7.84	8.68	9.50	10.33	11.95	12.44	13.56	14.37	15.17
3.46	26	2.607	90	9.023	...	...	6.61	7.49	8.35	9.20	10.86	11.35	12.50	13.31	14.12
3.50	32	3.208	112	11.229	...	...	...	...	...	...	8.12	8.66	9.88	10.74	11.58
3.60	40	4.010	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.64	22	2.206	80	8.020	...	7.12	7.97	8.81	9.64	10.46	12.09	12.58	13.70	14.51	15.31
3.73	30	3.008	112	11.229	...	...	...	...	...	...	8.24	8.78	10.01	10.87	11.71
3.75	24	2.406	90	9.023	...	...	6.73	7.62	8.48	9.33	10.99	11.49	12.63	13.45	14.26
3.79	38	3.810	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.00	28	2.807	112	11.229	...	...	...	...	...	...	8.36	8.91	10.13	10.99	11.84
4.00	36	3.609	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.09	22	2.206	90	9.023	...	5.92	6.85	7.74	8.61	9.46	11.12	11.62	12.77	13.59	14.40
4.24	34	3.409	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.31	26	2.607	112	11.229	...	...	...	...	...	...	8.48	9.03	10.26	11.12	11.97
4.50	32	3.208	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.67	24	2.406	112	11.229	...	...	...	...	...	...	8.60	9.15	10.38	11.25	12.10
4.80	30	3.008	144	14.437	...	...	...	...	...	...	...	...	...	...	...
5.09	22	2.206	112	11.229	...	...	...	...	...	...	8.72	9.27	10.51	11.38	12.23
5.14	28	2.807	144	14.437	...	...	...	...	...	...	...	...	...	...	...
5.54	26	2.607	144	14.437	...	...	...	...	...	...	...	...	...	...	...
6.00	24	2.406	144	14.437	...	...	...	...	...	...	...	...	...	...	...
6.55	22	2.206	144	14.437	...	...	...	...	...	...	...	...	...	...	...
Length Factor*					0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00

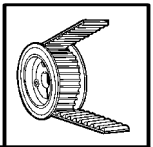
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT150 series

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



8MM Pitch HT200/HT150 Belt Drive Selection Table⁺

Speed Ratio	Sprocket Combinations				Center Distance, Inches																		
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M		
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Diam. Inches																			
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
2.91	22	2.206	64	6.416	17.19	18.30	21.47	22.90	24.32	24.63	27.79	28.59	32.53	36.47	40.42	44.36	48.30	53.19	57.75	64.06	79.82		
2.95	38	3.810	112	11.229	11.69	12.84	16.10	17.56	19.01	19.33	22.53	23.33	27.31	31.27	35.24	39.19	43.15	48.05	52.62	58.94	74.71		
3.00	24	2.406	72	7.218	16.36	17.47	20.65	22.08	23.50	23.81	26.98	27.77	31.72	35.67	39.61	43.55	47.50	52.39	56.96	63.26	79.02		
3.00	30	3.008	90	9.023	14.33	15.45	18.65	20.09	21.52	21.84	25.01	25.81	29.77	33.72	37.68	41.62	45.57	50.46	55.03	61.34	77.11		
3.00	48	4.812	144	14.437	...	...	12.27	13.80	15.30	15.63	18.91	19.73	23.76	27.77	31.76	35.74	39.71	44.62	49.21	55.54	71.33	
3.08	26	2.607	80	8.020	15.51	16.63	19.81	21.25	22.67	22.99	26.16	26.95	30.90	34.85	38.80	42.75	46.70	51.58	56.15	62.46	78.22		
3.11	36	3.609	112	11.229	11.82	12.98	16.24	17.70	19.15	19.47	22.67	23.47	27.45	31.42	35.39	39.34	43.30	48.20	52.77	59.09	74.86		
3.21	28	2.807	90	9.023	14.47	15.59	18.80	20.23	21.67	21.98	25.16	25.96	29.92	33.87	37.83	41.77	45.72	50.61	55.19	61.50	77.26		
3.27	22	2.206	72	7.218	16.50	17.61	20.79	22.22	23.65	23.96	27.13	27.92	31.87	35.82	39.76	43.71	47.65	52.54	57.11	63.41	79.17		
3.27	44	4.411	144	14.437	...	...	12.52	14.06	15.56	15.89	19.18	20.00	24.04	28.05	32.05	36.03	40.00	44.92	49.51	55.84	71.64	
3.29	34	3.409	112	11.229	11.95	13.11	16.38	17.84	19.29	19.61	22.81	23.61	27.60	31.57	35.53	39.49	43.45	48.35	52.92	59.24	75.02		
3.33	24	2.406	80	8.020	15.65	16.77	19.96	21.39	22.82	23.14	26.31	27.10	31.05	35.00	38.96	42.90	46.85	51.74	56.31	62.61	78.38		
3.46	26	2.607	90	9.023	14.61	15.73	18.94	20.38	21.81	22.13	25.31	26.10	30.06	34.02	37.98	41.92	45.87	50.76	55.34	61.65	77.41		
3.50	32	3.208	112	11.229	12.08	13.24	16.52	17.98	19.43	19.75	22.95	23.76	27.74	31.71	35.68	39.64	43.60	48.50	53.07	59.39	75.17		
3.60	40	4.010	144	14.437	...	...	12.78	14.32	15.82	16.16	19.45	20.27	24.32	28.34	32.34	36.32	40.29	45.21	49.80	56.13	71.94	
3.64	22	2.206	80	8.020	15.80	16.91	20.10	21.54	22.96	23.28	26.45	27.25	31.20	35.15	39.11	43.05	47.00	51.89	56.46	62.77	78.53		
3.73	30	3.008	112	11.229	12.21	13.38	16.65	18.11	19.56	19.89	23.10	23.90	27.88	31.86	35.83	39.79	43.75	48.64	53.22	59.54	75.32		
3.75	24	2.406	90	9.023	14.75	15.87	19.08	20.52	21.95	22.27	25.45	26.25	30.21	34.17	38.13	42.07	46.02	50.92	55.49	61.80	77.57		
3.79	38	3.810	144	14.437	...	...	12.90	14.45	15.96	16.29	19.59	20.41	24.46	28.48	32.48	36.46	40.44	45.36	49.95	56.28	72.09	
4.00	28	2.807	112	11.229	12.35	13.51	16.79	18.25	19.70	20.03	23.24	24.04	28.03	32.00	35.97	39.93	43.89	48.79	53.37	59.69	75.47		
4.00	36	3.609	144	14.437	...	9.42	13.03	14.57	16.09	16.42	19.72	20.54	24.60	28.62	32.62	36.61	40.59	45.50	50.10	56.43	72.24		
4.09	22	2.206	90	9.023	14.88	16.01	19.22	20.66	22.10	22.42	25.60	26.40	30.36	34.32	38.27	42.22	46.17	51.07	55.64	61.95	77.72		
4.24	34	3.409	144	14.437	...	9.53	13.16	14.70	16.22	16.55	19.86	20.68	24.74	28.76	32.76	36.75	40.73	45.65	50.25	56.58	72.39		
4.31	26	2.607	112	11.229	12.48	13.64	16.93	18.39	19.84	20.17	23.38	24.18	28.17	32.15	36.12	40.08	44.04	48.94	53.52	59.84	75.63		
4.50	32	3.208	144	14.437	...	9.65	13.28	14.83	16.35	16.68	19.99	20.81	24.88	28.90	32.91	36.89	40.88	45.80	50.39	56.73	72.54		
4.67	24	2.406	112	11.229	12.61	13.77	17.06	18.53	19.98	20.30	23.52	24.32	28.32	32.29	36.27	40.23	44.19	49.09	53.67	59.99	75.78		
4.80	30	3.008	144	14.437	...	9.77	13.41	14.96	16.48	16.81	20.13	20.95	25.01	29.04	33.05	37.04	41.02	45.94	50.54	56.88	72.69		
5.09	22	2.206	112	11.229	12.74	13.90	17.20	18.67	20.12	20.44	23.66	24.47	28.46	32.44	36.41	40.38	44.34	49.24	53.82	60.14	75.93		
5.14	28	2.807	144	14.437	...	9.89	13.53	15.09	16.61	16.94	20.26	21.08	25.15	29.18	33.19	37.18	41.17	46.09	50.69	57.02	72.84		
5.54	26	2.607	144	14.437	...	10.00	13.66	15.21	16.74	17.07	20.39	21.22	25.29	29.32	33.33	37.32	41.31	46.23	50.83	57.17	72.99		
6.00	24	2.406	144	14.437	...	10.12	13.78	15.34	16.87	17.20	20.53	21.35	25.43	29.46	33.47	37.47	41.45	46.38	50.98	57.32	73.14		
6.55	22	2.206	144	14.437	8.80	10.24	13.91	15.47	17.00	17.33	20.66	21.49	25.56	29.60	33.62	37.61	41.60	46.53	51.13	57.47	73.29		
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

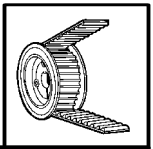
*This length correction factor must be used to determine the proper belt width.

+ Some belt lengths not available in HT 150 series

Center Distance is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

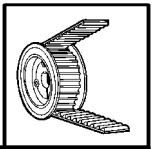
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
1.00	28	4.912	28	4.912	11.30	15.71	19.84	23.98	27.28	29.49	33.62	37.75	40.51	43.27	47.40
1.00	29	5.088	29	5.088	11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13
1.00	30	5.263	30	5.263	10.75	15.16	19.29	23.43	26.73	28.94	33.07	37.20	39.96	42.72	46.85
1.00	32	5.614	32	5.614	10.20	14.61	18.74	22.88	26.18	28.39	32.52	36.65	39.41	42.17	46.30
1.00	34	5.965	34	5.965	9.65	14.06	18.19	22.33	25.63	27.84	31.97	36.10	38.86	41.62	45.75
1.00	36	6.316	36	6.316	9.09	13.50	17.64	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20
1.00	38	6.667	38	6.667	8.54	12.95	17.09	21.22	24.53	26.73	30.87	35.00	37.76	40.51	44.65
1.00	40	7.018	40	7.018	7.99	12.40	16.54	20.67	23.98	26.18	30.32	34.45	37.21	39.96	44.10
1.00	44	7.720	44	7.720	...	11.30	15.43	19.57	22.87	25.08	29.21	33.34	36.10	38.86	42.99
1.00	48	8.421	48	8.421	...	10.20	14.33	18.47	21.77	23.98	28.11	32.24	35.00	37.76	41.89
1.00	52	9.123	52	9.123	...	...	13.23	17.36	20.67	22.87	27.01	31.14	33.90	36.65	40.79
1.00	56	9.825	56	9.825	...	...	12.13	16.26	19.57	21.77	25.91	30.04	32.80	35.55	39.69
1.00	60	10.527	60	10.527	...	...	...	15.16	18.46	20.67	24.80	28.93	31.69	34.45	38.58
1.00	64	11.229	64	11.229	...	...	...	14.06	17.36	19.57	23.70	27.83	30.59	33.35	37.48
1.00	68	11.930	68	11.930	...	...	...	12.96	16.26	18.47	22.60	26.73	29.49	32.25	36.38
1.00	72	12.632	72	12.632	...	...	...	...	15.16	17.36	21.50	25.63	28.39	31.14	35.28
1.00	80	14.036	80	14.036	...	...	...	...	...	15.16	19.29	23.42	26.18	28.94	33.07
1.03	29	5.088	30	5.263	10.88	15.30	19.43	23.57	26.87	29.08	33.21	37.34	40.10	42.86	46.99
1.04	28	4.912	29	5.088	11.16	15.57	19.71	23.84	27.15	29.35	33.49	37.62	40.38	43.13	47.27
1.05	38	6.667	40	7.018	8.26	12.68	16.81	20.95	24.25	26.46	30.59	34.72	37.48	40.24	44.37
1.06	36	6.316	38	6.667	8.82	13.23	17.36	21.50	24.80	27.01	31.14	35.27	38.03	40.79	44.92
1.06	34	5.965	36	6.316	9.37	13.78	17.91	22.05	25.35	27.56	31.69	35.82	38.58	41.34	45.47
1.06	68	11.930	72	12.632	...	...	...	...	15.71	17.91	22.05	26.18	28.94	31.69	35.83
1.06	32	5.614	34	5.965	9.92	14.33	18.47	22.60	25.91	28.11	32.25	36.38	39.14	41.89	46.03
1.06	64	11.229	68	11.930	...	...	...	13.50	16.81	19.01	23.15	27.28	30.04	32.79	36.93
1.07	30	5.263	32	5.614	10.47	14.88	19.02	23.15	26.46	28.66	32.80	36.93	39.69	42.44	46.58
1.07	60	10.527	64	11.229	...	...	...	14.60	17.91	20.11	24.25	28.38	31.14	33.90	38.03
1.07	28	4.912	30	5.263	11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13
1.07	56	9.825	60	10.527	...	...	11.57	15.71	19.01	21.22	25.35	29.48	32.24	35.00	39.13
1.08	52	9.123	56	9.825	...	...	12.67	16.81	20.12	22.32	26.46	30.59	33.35	36.10	40.24
1.08	48	8.421	52	9.123	...	9.64	13.78	17.91	21.22	23.42	27.56	31.69	34.45	37.20	41.34
1.09	44	7.720	48	8.421	...	10.74	14.88	19.01	22.32	24.53	28.66	32.79	35.55	38.31	42.44
1.10	40	7.018	44	7.720	...	11.84	15.98	20.12	23.42	25.63	29.76	33.89	36.65	39.41	43.54
1.10	29	5.088	32	5.614	10.61	15.02	19.15	23.29	26.59	28.80	32.93	37.06	39.82	42.58	46.71
1.11	36	6.316	40	7.018	8.54	12.95	17.08	21.22	24.52	26.73	30.87	35.00	37.76	40.51	44.65
1.11	72	12.632	80	14.036	...	...	...	...	14.04	16.24	20.38	24.51	27.28	30.03	34.17
1.12	34	5.965	38	6.667	9.09	13.50	17.64	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20
1.13	32	5.614	36	6.316	9.64	14.05	18.19	22.32	25.63	27.83	31.97	36.10	38.86	41.61	45.75
1.13	64	11.229	72	12.632	...	...	...	12.94	16.24	18.45	22.59	26.72	29.48	32.24	36.37
1.13	80	14.036	90	15.790	...	...	...	...	...	...	17.89	22.03	24.79	27.55	31.68
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

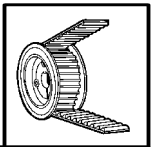
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.00	28	4.912	28	4.912	54.29	58.42	61.18	68.07	77.44	82.40	89.84	97.01	105.27	113.54	127.32
1.00	29	5.088	29	5.088	54.02	58.15	60.91	67.79	77.16	82.13	89.57	96.73	105.00	113.27	127.05
1.00	30	5.263	30	5.263	53.74	57.87	60.63	67.52	76.89	81.85	89.29	96.46	104.72	112.99	126.77
1.00	32	5.614	32	5.614	53.19	57.32	60.08	66.97	76.34	81.30	88.74	95.91	104.17	112.44	126.22
1.00	34	5.965	34	5.965	52.64	56.77	59.53	66.42	75.79	80.75	88.19	95.36	103.62	111.89	125.67
1.00	36	6.316	36	6.316	52.09	56.22	58.98	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12
1.00	38	6.667	38	6.667	51.54	55.67	58.43	65.31	74.68	79.65	87.09	94.25	102.52	110.79	124.57
1.00	40	7.018	40	7.018	50.99	55.12	57.88	64.76	74.13	79.10	86.54	93.70	101.97	110.24	124.02
1.00	44	7.720	44	7.720	49.88	54.01	56.77	63.66	73.03	77.99	85.43	92.60	100.86	109.13	122.91
1.00	48	8.421	48	8.421	48.78	52.91	55.67	62.56	71.93	76.89	84.33	91.50	99.76	108.03	121.81
1.00	52	9.123	52	9.123	47.68	51.81	54.57	61.45	70.82	75.79	83.23	90.39	98.66	106.93	120.71
1.00	56	9.825	56	9.825	46.58	50.71	53.47	60.35	69.72	74.69	82.13	89.29	97.56	105.83	119.61
1.00	60	10.527	60	10.527	45.47	49.60	52.36	59.25	68.62	73.58	81.02	88.19	96.45	104.72	118.50
1.00	64	11.229	64	11.229	44.37	48.50	51.26	58.15	67.52	72.48	79.92	87.09	95.35	103.62	117.40
1.00	68	11.930	68	11.930	43.27	47.40	50.16	57.05	66.42	71.38	78.82	85.99	94.25	102.52	116.30
1.00	72	12.632	72	12.632	42.17	46.30	49.06	55.94	65.31	70.28	77.72	84.88	93.15	101.42	115.20
1.00	80	14.036	80	14.036	39.96	44.09	46.85	53.74	63.11	68.07	75.51	82.68	90.94	99.21	112.99
1.03	29	5.088	30	5.263	53.88	58.01	60.77	67.66	77.03	81.99	89.43	96.60	104.86	113.13	126.91
1.04	28	4.912	29	5.088	54.16	58.29	61.05	67.93	77.30	82.27	89.71	96.87	105.14	113.41	127.19
1.05	38	6.667	40	7.018	51.26	55.39	58.15	65.04	74.41	79.37	86.81	93.98	102.24	110.51	124.29
1.06	36	6.316	38	6.667	51.81	55.94	58.70	65.59	74.96	79.92	87.36	94.53	102.79	111.06	124.84
1.06	34	5.965	36	6.316	52.36	56.49	59.25	66.14	75.51	80.47	87.91	95.08	103.34	111.61	125.39
1.06	68	11.930	72	12.632	42.72	46.85	49.61	56.49	65.86	70.83	78.27	85.43	93.70	101.97	115.75
1.06	32	5.614	34	5.965	52.92	57.05	59.81	66.69	76.06	81.03	88.47	95.63	103.90	112.17	125.95
1.06	64	11.229	68	11.930	43.82	47.95	50.71	57.59	66.97	71.93	79.37	86.54	94.80	103.07	116.85
1.07	30	5.263	32	5.614	53.47	57.60	60.36	67.24	76.61	81.58	89.02	96.18	104.45	112.72	126.50
1.07	60	10.527	64	11.229	44.92	49.05	51.81	58.70	68.07	73.03	80.47	87.64	95.90	104.17	117.95
1.07	28	4.912	30	5.263	54.02	58.15	60.91	67.79	77.16	82.13	89.57	96.73	105.00	113.27	127.05
1.07	56	9.825	60	10.527	46.02	50.15	52.91	59.80	69.17	74.13	81.57	88.74	97.00	105.27	119.06
1.08	52	9.123	56	9.825	47.13	51.26	54.02	60.90	70.27	75.24	82.68	89.84	98.11	106.38	120.16
1.08	48	8.421	52	9.123	48.23	52.36	55.12	62.00	71.38	76.34	83.78	90.95	99.21	107.48	121.26
1.09	44	7.720	48	8.421	49.33	53.46	56.22	63.11	72.48	77.44	84.88	92.05	100.31	108.58	122.36
1.10	40	7.018	44	7.720	50.43	54.56	57.32	64.21	73.58	78.54	85.98	93.15	101.41	109.68	123.46
1.10	29	5.088	32	5.614	53.60	57.73	60.49	67.38	76.75	81.71	89.15	96.32	104.58	112.85	126.63
1.11	36	6.316	40	7.018	51.54	55.67	58.43	65.31	74.68	79.65	87.09	94.25	102.52	110.79	124.57
1.11	72	12.632	80	14.036	41.06	45.19	47.95	54.84	64.21	69.17	76.61	83.78	92.04	100.31	114.09
1.12	34	5.965	38	6.667	52.09	56.22	58.98	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12
1.13	32	5.614	36	6.316	52.64	56.77	59.53	66.41	75.78	80.75	88.19	95.35	103.62	111.89	125.67
1.13	64	11.229	72	12.632	43.26	47.39	50.15	57.04	66.41	71.38	78.82	85.98	94.25	102.52	116.30
1.13	80	14.036	90	15.790	38.57	42.71	45.47	52.35	61.72	66.69	74.13	81.29	89.56	97.83	111.61
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

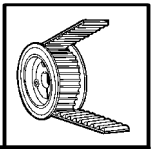
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
1.13	30	5.263	34	5.965	10.19	14.60	18.74	22.87	26.18	28.38	32.52	36.65	39.41	42.17	46.30
1.13	60	10.527	68	11.930	...	...	...	14.04	17.35	19.55	23.69	27.82	30.58	33.34	37.48
1.14	28	4.912	32	5.614	10.74	15.15	19.29	23.43	26.73	28.94	33.07	37.20	39.96	42.72	46.85
1.14	56	9.825	64	11.229	...	...	...	15.14	18.45	20.66	24.79	28.93	31.69	34.44	38.58
1.15	52	9.123	60	10.527	...	...	12.11	16.25	19.55	21.76	25.90	30.03	32.79	35.54	39.68
1.16	38	6.667	44	7.720	...	12.11	16.25	20.39	23.69	25.90	30.04	34.17	36.93	39.68	43.82
1.17	48	8.421	56	9.825	...	...	13.21	17.35	20.66	22.86	27.00	31.13	33.89	36.65	40.78
1.17	29	5.088	34	5.965	10.32	14.74	18.87	23.01	26.32	28.52	32.66	36.79	39.55	42.30	46.44
1.18	34	5.965	40	7.018	8.80	13.22	17.36	21.49	24.80	27.00	31.14	35.27	38.03	40.78	44.92
1.18	68	11.930	80	14.036	...	...	...	...	14.57	16.78	20.92	25.05	27.82	30.57	34.71
1.18	44	7.720	52	9.123	...	10.17	14.31	18.45	21.76	23.97	28.10	32.23	34.99	37.75	41.89
1.19	32	5.614	38	6.667	9.35	13.77	17.91	22.04	25.35	27.55	31.69	35.82	38.58	41.34	45.47
1.20	30	5.263	36	6.316	9.91	14.32	18.46	22.59	25.90	28.11	32.24	36.37	39.13	41.89	46.02
1.20	40	7.018	48	8.421	...	11.28	15.42	19.56	22.86	25.07	29.21	33.34	36.10	38.85	42.99
1.20	60	10.527	72	12.632	...	...	...	13.46	16.78	18.99	23.13	27.26	30.02	32.78	36.92
1.21	28	4.912	34	5.965	10.46	14.87	19.01	23.15	26.45	28.66	32.79	36.92	39.68	42.44	46.57
1.21	56	9.825	68	11.930	...	...	...	14.57	17.88	20.09	24.23	28.36	31.13	33.88	38.02
1.22	36	6.316	44	7.720	7.96	12.38	16.52	20.66	23.97	26.17	30.31	34.44	37.20	39.95	44.09
1.23	52	9.123	64	11.229	...	...	11.53	15.68	18.99	21.19	25.33	29.47	32.23	34.98	39.12
1.24	29	5.088	36	6.316	10.04	14.46	18.59	22.73	26.04	28.24	32.38	36.51	39.27	42.02	46.16
1.25	32	5.614	40	7.018	9.07	13.49	17.62	21.76	25.07	27.27	31.41	35.54	38.30	41.06	45.19
1.25	48	8.421	60	10.527	...	...	12.63	16.78	20.09	22.30	26.44	30.57	33.33	36.09	40.22
1.25	64	11.229	80	14.036	...	...	...	...	15.09	17.30	21.45	25.59	28.35	31.11	35.25
1.25	72	12.632	90	15.790	...	...	...	...	...	14.80	18.95	23.09	25.86	28.62	32.76
1.26	38	6.667	48	8.421	...	11.54	15.69	19.83	23.13	25.34	29.48	33.61	36.37	39.13	43.26
1.27	30	5.263	38	6.667	9.62	14.04	18.18	22.31	25.62	27.83	31.96	36.09	38.85	41.61	45.74
1.27	44	7.720	56	9.825	...	9.59	13.74	17.88	21.19	23.40	27.54	31.67	34.43	37.19	41.33
1.29	28	4.912	36	6.316	10.17	14.59	18.73	22.87	26.17	28.38	32.51	36.64	39.41	42.16	46.30
1.29	56	9.825	72	12.632	...	...	...	13.99	17.31	19.52	23.66	27.80	30.56	33.32	37.46
1.29	34	5.965	44	7.720	8.22	12.65	16.79	20.93	24.24	26.44	30.58	34.71	37.47	40.23	44.36
1.30	40	7.018	52	9.123	...	10.70	14.85	18.99	22.30	24.51	28.64	32.78	35.54	38.29	42.43
1.31	52	9.123	68	11.930	...	...	...	15.09	18.41	20.62	24.77	28.90	31.66	34.42	38.56
1.31	29	5.088	38	6.667	9.75	14.17	18.31	22.45	25.76	27.96	32.10	36.23	38.99	41.75	45.88
1.32	68	11.930	90	15.790	...	...	...	...	...	15.31	19.47	23.62	26.39	29.15	33.29
1.33	30	5.263	40	7.018	9.33	13.75	17.89	22.03	25.34	27.55	31.68	35.81	38.57	41.33	45.47
1.33	36	6.316	48	8.421	...	11.80	15.95	20.09	23.40	25.61	29.75	33.88	36.64	39.40	43.53
1.33	48	8.421	64	11.229	...	...	12.05	16.20	19.52	21.73	25.87	30.00	32.77	35.52	39.66
1.33	60	10.527	80	14.036	...	...	...	...	15.61	17.83	21.98	26.12	28.88	31.64	35.79
1.36	28	4.912	38	6.667	9.88	14.30	18.45	22.58	25.89	28.10	32.23	36.37	39.13	41.88	46.02
1.36	44	7.720	60	10.527	...	...	13.15	17.31	20.62	22.83	26.97	31.11	33.87	36.63	40.76
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

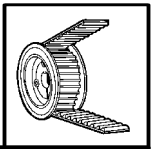
Speed Ratio	Sprocket Combinations				Center Distance, Inches											
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches												
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.13	30	5.263	34	5.965	53.19	57.32	60.08	66.97	76.34	81.30	88.74	95.91	104.17	112.44	126.22	
1.13	60	10.527	68	11.930	44.37	48.50	51.26	58.14	67.51	72.48	79.92	87.08	95.35	103.62	117.40	
1.14	28	4.912	32	5.614	53.74	57.87	60.63	67.52	76.89	81.85	89.29	96.46	104.72	112.99	126.77	
1.14	56	9.825	64	11.229	45.47	49.60	52.36	59.25	68.62	73.58	81.02	88.19	96.45	104.72	118.50	
1.15	52	9.123	60	10.527	46.57	50.70	53.46	60.35	69.72	74.68	82.12	89.29	97.55	105.82	119.60	
1.16	38	6.667	44	7.720	50.71	54.84	57.60	64.48	73.85	78.82	86.26	93.42	101.69	109.96	123.74	
1.17	48	8.421	56	9.825	47.67	51.80	54.57	61.45	70.82	75.79	83.23	90.39	98.66	106.93	120.71	
1.17	29	5.088	34	5.965	53.33	57.46	60.22	67.10	76.47	81.44	88.88	96.04	104.31	112.58	126.36	
1.18	34	5.965	40	7.018	51.81	55.94	58.70	65.59	74.96	79.92	87.36	94.53	102.79	111.06	124.84	
1.18	68	11.930	80	14.036	41.60	45.73	48.49	55.38	64.75	69.72	77.16	84.32	92.59	100.86	114.64	
1.18	44	7.720	52	9.123	48.78	52.91	55.67	62.55	71.92	76.89	84.33	91.49	99.76	108.03	121.81	
1.19	32	5.614	38	6.667	52.36	56.49	59.25	66.14	75.51	80.47	87.91	95.08	103.34	111.61	125.39	
1.20	30	5.263	36	6.316	52.91	57.04	59.80	66.69	76.06	81.02	88.46	95.63	103.89	112.16	125.94	
1.20	40	7.018	48	8.421	49.88	54.01	56.77	63.66	73.03	77.99	85.43	92.60	100.86	109.13	122.91	
1.20	60	10.527	72	12.632	43.81	47.94	50.70	57.59	66.96	71.92	79.36	86.53	94.80	103.07	116.85	
1.21	28	4.912	34	5.965	53.46	57.59	60.35	67.24	76.61	81.58	89.02	96.18	104.45	112.72	126.50	
1.21	56	9.825	68	11.930	44.91	49.04	51.80	58.69	68.06	73.03	80.47	87.63	95.90	104.17	117.95	
1.22	36	6.316	44	7.720	50.98	55.11	57.87	64.76	74.13	79.09	86.53	93.70	101.96	110.23	124.01	
1.23	52	9.123	64	11.229	46.01	50.14	52.91	59.79	69.16	74.13	81.57	88.73	97.00	105.27	119.05	
1.24	29	5.088	36	6.316	53.05	57.18	59.94	66.83	76.20	81.16	88.60	95.77	104.03	112.30	126.08	
1.25	32	5.614	40	7.018	52.08	56.21	58.97	65.86	75.23	80.20	87.64	94.80	103.07	111.34	125.12	
1.25	48	8.421	60	10.527	47.12	51.25	54.01	60.89	70.27	75.23	82.67	89.84	98.10	106.37	120.15	
1.25	64	11.229	80	14.036	42.14	46.28	49.04	55.92	65.30	70.26	77.70	84.87	93.14	101.41	115.19	
1.25	72	12.632	90	15.790	39.66	43.79	46.55	53.44	62.81	67.78	75.22	82.39	90.65	98.92	112.71	
1.26	38	6.667	48	8.421	50.15	54.28	57.04	63.93	73.30	78.26	85.71	92.87	101.14	109.41	123.19	
1.27	30	5.263	38	6.667	52.64	56.77	59.53	66.41	75.78	80.75	88.19	95.35	103.62	111.89	125.67	
1.27	44	7.720	56	9.825	48.22	52.35	55.11	62.00	71.37	76.33	83.77	90.94	99.20	107.48	121.26	
1.29	28	4.912	36	6.316	53.19	57.32	60.08	66.96	76.33	81.30	88.74	95.90	104.17	112.44	126.22	
1.29	56	9.825	72	12.632	44.35	48.48	51.24	58.13	67.50	72.47	79.91	87.08	95.34	103.61	117.39	
1.29	34	5.965	44	7.720	51.25	55.38	58.15	65.03	74.40	79.37	86.81	93.97	102.24	110.51	124.29	
1.30	40	7.018	52	9.123	49.32	53.45	56.21	63.10	72.47	77.44	84.88	92.04	100.31	108.58	122.36	
1.31	52	9.123	68	11.930	45.45	49.59	52.35	59.23	68.61	73.57	81.01	88.18	96.44	104.72	118.50	
1.31	29	5.088	38	6.667	52.77	56.90	59.66	66.55	75.92	80.88	88.32	95.49	103.75	112.02	125.81	
1.32	68	11.930	90	15.790	40.19	44.33	47.09	53.98	63.35	68.32	75.76	82.93	91.20	99.47	113.25	
1.33	30	5.263	40	7.018	52.36	56.49	59.25	66.13	75.50	80.47	87.91	95.08	103.34	111.61	125.39	
1.33	36	6.316	48	8.421	50.42	54.56	57.32	64.20	73.57	78.54	85.98	93.14	101.41	109.68	123.46	
1.33	48	8.421	64	11.229	46.56	50.69	53.45	60.34	69.71	74.67	82.11	89.28	97.55	105.82	119.60	
1.33	60	10.527	80	14.036	42.68	46.82	49.58	56.47	65.84	70.81	78.25	85.42	93.68	101.95	115.73	
1.36	28	4.912	38	6.667	52.91	57.04	59.80	66.69	76.06	81.02	88.46	95.63	103.89	112.16	125.94	
1.36	44	7.720	60	10.527	47.66	51.79	54.55	61.44	70.81	75.78	83.22	90.38	98.65	106.92	120.70	
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

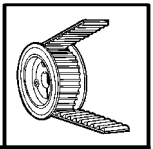
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
1.37	38	6.667	52	9.123	...	10.95	15.11	19.25	22.57	24.77	28.91	33.05	35.81	38.56	42.70
1.38	32	5.614	44	7.720	8.48	12.91	17.05	21.20	24.50	26.71	30.85	34.98	37.74	40.50	44.64
1.38	29	5.088	40	7.018	9.46	13.88	18.03	22.17	25.47	27.68	31.82	35.95	38.71	41.47	45.60
1.39	52	9.123	72	12.632	...	...	...	14.50	17.83	20.04	24.19	28.33	31.09	33.85	37.99
1.40	40	7.018	56	9.825	...	10.10	14.26	18.41	21.73	23.94	28.08	32.21	34.97	37.73	41.87
1.40	80	14.036	112	19.650	...	...	...	...	...	...	...	18.80	21.59	24.37	28.52
1.41	64	11.229	90	15.790	...	...	...	...	...	15.82	19.99	24.14	26.91	29.68	33.82
1.41	34	5.965	48	8.421	...	12.06	16.21	20.36	23.67	25.88	30.02	34.15	36.91	39.67	43.80
1.42	48	8.421	68	11.930	...	...	11.44	15.61	18.94	21.15	25.30	29.43	32.20	34.96	39.10
1.43	28	4.912	40	7.018	9.59	14.02	18.16	22.30	25.61	27.82	31.95	36.08	38.85	41.60	45.74
1.43	56	9.825	80	14.036	...	...	...	12.78	16.12	18.34	22.50	26.65	29.41	32.18	36.32
1.44	36	6.316	52	9.123	...	11.21	15.37	19.52	22.83	25.04	29.18	33.31	36.08	38.83	42.97
1.46	44	7.720	64	11.229	...	...	12.55	16.72	20.04	22.25	26.40	30.54	33.30	36.06	40.20
1.47	30	5.263	44	7.720	8.73	13.17	17.32	21.46	24.77	26.98	31.12	35.25	38.01	40.77	44.91
1.47	38	6.667	56	9.825	...	10.35	14.52	18.68	21.99	24.20	28.34	32.48	35.24	38.00	42.14
1.50	32	5.614	48	8.421	7.87	12.32	16.48	20.62	23.94	26.14	30.28	34.42	37.18	39.94	44.07
1.50	40	7.018	60	10.527	...	9.48	13.67	17.83	21.15	23.36	27.50	31.64	34.41	37.16	41.30
1.50	48	8.421	72	12.632	...	...	...	15.01	18.34	20.56	24.72	28.86	31.62	34.39	38.53
1.50	60	10.527	90	15.790	...	...	...	...	14.08	16.32	20.50	24.66	27.43	30.20	34.35
1.52	29	5.088	44	7.720	8.86	13.30	17.45	21.60	24.91	27.11	31.25	35.39	38.15	40.90	45.04
1.53	34	5.965	52	9.123	...	11.47	15.63	19.78	23.10	25.31	29.45	33.58	36.35	39.10	43.24
1.54	52	9.123	80	14.036	...	...	...	13.28	16.63	18.86	23.02	27.17	29.94	32.70	36.85
1.55	44	7.720	68	11.930	...	...	11.94	16.12	19.45	21.67	25.82	29.96	32.73	35.49	39.63
1.56	36	6.316	56	9.825	...	10.60	14.78	18.94	22.25	24.46	28.61	32.75	35.51	38.27	42.41
1.56	72	12.632	112	19.650	...	...	...	...	...	...	...	19.80	22.60	25.39	29.56
1.57	28	4.912	44	7.720	8.98	13.43	17.58	21.73	25.04	27.25	31.39	35.52	38.28	41.04	45.18
1.58	38	6.667	60	10.527	...	9.73	13.92	18.09	21.41	23.62	27.77	31.91	34.67	37.43	41.57
1.60	30	5.263	48	8.421	8.11	12.58	16.74	20.89	24.20	26.41	30.55	34.69	37.45	40.21	44.34
1.60	40	7.018	64	11.229	...	...	13.06	17.24	20.56	22.78	26.93	31.07	33.83	36.59	40.73
1.61	56	9.825	90	15.790	...	...	...	...	14.58	16.82	21.01	25.18	27.95	30.72	34.87
1.63	32	5.614	52	9.123	...	11.72	15.89	20.04	23.36	25.57	29.71	33.85	36.61	39.37	43.51
1.64	44	7.720	72	12.632	...	...	11.31	15.52	18.86	21.08	25.24	29.38	32.15	34.91	39.06
1.65	34	5.965	56	9.825	...	10.85	15.03	19.20	22.52	24.73	28.87	33.01	35.78	38.54	42.67
1.65	68	11.930	112	19.650	...	...	...	...	...	...	...	20.30	23.10	25.89	30.07
1.66	29	5.088	48	8.421	8.24	12.71	16.87	21.02	24.33	26.54	30.68	34.82	37.58	40.34	44.48
1.67	36	6.316	60	10.527	...	9.97	14.17	18.35	21.67	23.88	28.03	32.17	34.94	37.70	41.84
1.67	48	8.421	80	14.036	...	...	...	13.77	17.13	19.36	23.53	27.69	30.46	33.23	37.38
1.68	38	6.667	64	11.229	...	...	13.31	17.49	20.82	23.04	27.19	31.33	34.10	36.86	41.00
1.70	40	7.018	68	11.930	...	...	12.43	16.63	19.97	22.19	26.34	30.49	33.26	36.02	40.16
1.71	28	4.912	48	8.421	8.36	12.83	17.00	21.15	24.47	26.68	30.82	34.95	37.72	40.48	44.61
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

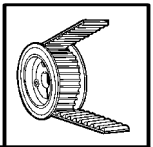
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.37	38	6.667	52	9.123	49.59	53.72	56.49	63.37	72.74	77.71	85.15	92.32	100.58	108.85	122.63
1.38	32	5.614	44	7.720	51.53	55.66	58.42	65.30	74.68	79.64	87.08	94.25	102.51	110.78	124.56
1.38	29	5.088	40	7.018	52.49	56.62	59.38	66.27	75.64	80.61	88.05	95.21	103.48	111.75	125.53
1.39	52	9.123	72	12.632	44.89	49.02	51.78	58.67	68.05	73.01	80.45	87.62	95.89	104.16	117.94
1.40	40	7.018	56	9.825	48.76	52.89	55.65	62.54	71.91	76.88	84.32	91.49	99.75	108.02	121.80
1.40	80	14.036	112	19.650	35.44	39.58	42.35	49.25	58.63	63.60	71.05	78.22	86.49	94.76	108.55
1.41	64	11.229	90	15.790	40.73	44.86	47.62	54.52	63.89	68.86	76.31	83.47	91.74	100.01	113.80
1.41	34	5.965	48	8.421	50.70	54.83	57.59	64.47	73.85	78.81	86.25	93.42	101.68	109.95	123.74
1.42	48	8.421	68	11.930	45.99	50.13	52.89	59.78	69.15	74.12	81.56	88.72	96.99	105.26	119.04
1.43	28	4.912	40	7.018	52.63	56.76	59.52	66.41	75.78	80.74	88.18	95.35	103.61	111.89	125.67
1.43	56	9.825	80	14.036	43.22	47.35	50.12	57.01	66.38	71.35	78.79	85.96	94.23	102.50	116.28
1.44	36	6.316	52	9.123	49.86	54.00	56.76	63.64	73.02	77.98	85.42	92.59	100.85	109.13	122.91
1.46	44	7.720	64	11.229	47.09	51.23	53.99	60.88	70.25	75.22	82.66	89.83	98.09	106.36	120.14
1.47	30	5.263	44	7.720	51.80	55.93	58.69	65.58	74.95	79.91	87.35	94.52	102.79	111.06	124.84
1.47	38	6.667	56	9.825	49.03	53.16	55.92	62.81	72.18	77.15	84.59	91.76	100.02	108.30	122.08
1.50	32	5.614	48	8.421	50.97	55.10	57.86	64.75	74.12	79.08	86.53	93.69	101.96	110.23	124.01
1.50	40	7.018	60	10.527	48.20	52.33	55.09	61.98	71.35	76.32	83.76	90.93	99.19	107.47	121.25
1.50	48	8.421	72	12.632	45.43	49.56	52.32	59.21	68.59	73.55	81.00	88.16	96.43	104.70	118.49
1.50	60	10.527	90	15.790	41.26	45.39	48.16	55.05	64.43	69.40	76.85	84.01	92.28	100.56	114.34
1.52	29	5.088	44	7.720	51.93	56.07	58.83	65.71	75.08	80.05	87.49	94.66	102.92	111.19	124.97
1.53	34	5.965	52	9.123	50.14	54.27	57.03	63.92	73.29	78.25	85.70	92.86	101.13	109.40	123.18
1.54	52	9.123	80	14.036	43.75	47.89	50.65	57.54	66.92	71.89	79.33	86.50	94.77	103.04	116.83
1.55	44	7.720	68	11.930	46.53	50.66	53.43	60.32	69.69	74.66	82.10	89.27	97.53	105.81	119.59
1.56	36	6.316	56	9.825	49.30	53.43	56.20	63.08	72.46	77.42	84.86	92.03	100.30	108.57	122.35
1.56	72	12.632	112	19.650	36.49	40.63	43.40	50.31	59.70	64.67	72.12	79.29	87.57	95.84	109.63
1.57	28	4.912	44	7.720	52.07	56.20	58.96	65.85	75.22	80.19	87.63	94.79	103.06	111.33	125.11
1.58	38	6.667	60	10.527	48.47	52.60	55.36	62.25	71.62	76.59	84.03	91.20	99.47	107.74	121.52
1.60	30	5.263	48	8.421	51.24	55.37	58.13	65.02	74.39	79.36	86.80	93.96	102.23	110.50	124.28
1.60	40	7.018	64	11.229	47.63	51.77	54.53	61.42	70.79	75.76	83.20	90.37	98.64	106.91	120.69
1.61	56	9.825	90	15.790	41.79	45.93	48.69	55.59	64.97	69.94	77.38	84.55	92.82	101.10	114.88
1.63	32	5.614	52	9.123	50.41	54.54	57.30	64.19	73.56	78.53	85.97	93.13	101.40	109.67	123.45
1.64	44	7.720	72	12.632	45.96	50.10	52.86	59.75	69.13	74.09	81.54	88.71	96.97	105.25	119.03
1.65	34	5.965	56	9.825	49.57	53.70	56.47	63.35	72.73	77.69	85.14	92.30	100.57	108.84	122.62
1.65	68	11.930	112	19.650	37.01	41.16	43.93	50.84	60.23	65.20	72.65	79.83	88.10	96.38	110.17
1.66	29	5.088	48	8.421	51.37	55.51	58.27	65.15	74.53	79.49	86.93	94.10	102.37	110.64	124.42
1.67	36	6.316	60	10.527	48.74	52.87	55.63	62.52	71.90	76.86	84.31	91.47	99.74	108.01	121.79
1.67	48	8.421	80	14.036	44.28	48.42	51.19	58.08	67.46	72.43	79.87	87.04	95.31	103.58	117.37
1.68	38	6.667	64	11.229	47.90	52.03	54.80	61.69	71.06	76.03	83.47	90.64	98.91	107.18	120.96
1.70	40	7.018	68	11.930	47.06	51.20	53.96	60.85	70.23	75.20	82.64	89.81	98.08	106.35	120.13
1.71	28	4.912	48	8.421	51.51	55.64	58.40	65.29	74.66	79.63	87.07	94.24	102.50	110.77	124.56
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

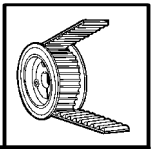
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
1.73	52	9.123	90	15.790	...	...	...	...	15.06	17.32	21.51	25.69	28.47	31.24	35.40
1.73	30	5.263	52	9.123	...	11.97	16.15	20.30	23.62	25.83	29.98	34.12	36.88	39.64	43.78
1.75	32	5.614	56	9.825	...	11.10	15.29	19.46	22.78	24.99	29.14	33.28	36.04	38.80	42.94
1.75	64	11.229	112	19.650	...	...	...	...	...	...	16.55	20.79	23.60	26.40	30.58
1.77	34	5.965	60	10.527	...	10.22	14.43	18.60	21.93	24.14	28.30	32.44	35.20	37.96	42.11
1.78	36	6.316	64	11.229	...	...	13.56	17.74	21.08	23.30	27.45	31.59	34.36	37.12	41.27
1.79	38	6.667	68	11.930	...	...	12.68	16.88	20.22	22.44	26.60	30.75	33.52	36.28	40.43
1.79	29	5.088	52	9.123	...	12.10	16.27	20.43	23.75	25.97	30.11	34.25	37.01	39.77	43.91
1.80	40	7.018	72	12.632	...	...	11.79	16.02	19.36	21.59	25.75	29.91	32.68	35.44	39.59
1.80	80	14.036	144	25.264	...	...	...	...	...	...	...	...	...	...	23.58
1.82	44	7.720	80	14.036	...	...	...	14.26	17.63	19.87	24.05	28.21	30.98	33.75	37.90
1.86	28	4.912	52	9.123	7.70	12.22	16.40	20.56	23.88	26.10	30.24	34.38	37.15	39.91	44.05
1.87	30	5.263	56	9.825	...	11.34	15.54	19.71	23.04	25.25	29.40	33.54	36.31	39.07	43.21
1.87	60	10.527	112	19.650	...	...	...	...	...	...	17.02	21.28	24.10	26.90	31.08
1.88	32	5.614	60	10.527	...	10.46	14.68	18.86	22.19	24.40	28.56	32.70	35.47	38.23	42.37
1.88	48	8.421	90	15.790	...	...	...	...	15.55	17.81	22.02	26.20	28.98	31.76	35.92
1.88	34	5.965	64	11.229	...	9.56	13.80	18.00	21.33	23.55	27.71	31.86	34.63	37.39	41.53
1.89	36	6.316	68	11.930	...	...	12.92	17.13	20.48	22.70	26.86	31.01	33.78	36.55	40.69
1.90	38	6.667	72	12.632	...	...	12.03	16.26	19.62	21.84	26.01	30.17	32.94	35.70	39.85
1.93	29	5.088	56	9.825	...	11.47	15.67	19.84	23.17	25.38	29.53	33.67	36.44	39.20	43.34
2.00	28	4.912	56	9.825	...	11.59	15.79	19.97	23.30	25.51	29.66	33.81	36.57	39.33	43.48
2.00	30	5.263	60	10.527	...	10.70	14.93	19.11	22.44	24.66	28.82	32.96	35.73	38.49	42.64
2.00	32	5.614	64	11.229	...	9.79	14.05	18.25	21.59	23.81	27.97	32.12	34.89	37.65	41.80
2.00	34	5.965	68	11.930	...	...	13.17	17.38	20.73	22.96	27.12	31.27	34.04	36.81	40.96
2.00	36	6.316	72	12.632	...	...	12.27	16.51	19.87	22.10	26.27	30.42	33.20	35.96	40.11
2.00	40	7.018	80	14.036	...	...	...	14.74	18.12	20.37	24.55	28.72	31.50	34.27	38.42
2.00	56	9.825	112	19.650	...	...	...	...	...	...	17.50	21.76	24.59	27.39	31.59
2.00	72	12.632	144	25.264	...	...	...	...	...	...	...	...	...	20.23	24.54
2.05	44	7.720	90	15.790	...	...	...	12.58	16.02	18.29	22.51	26.70	29.49	32.27	36.43
2.07	29	5.088	60	10.527	...	10.82	15.05	19.24	22.57	24.79	28.95	33.09	35.86	38.63	42.77
2.10	80	14.036	168	29.475	...	...	...	...	...	...	...	...	...	...	...
2.11	38	6.667	80	14.036	...	...	...	14.98	18.37	20.61	24.81	28.98	31.76	34.53	38.68
2.12	34	5.965	72	12.632	...	...	12.51	16.76	20.12	22.35	26.52	30.68	33.46	36.23	40.38
2.12	68	11.930	144	25.264	...	...	...	...	...	...	...	...	...	20.69	25.01
2.13	32	5.614	68	11.930	...	...	13.41	17.63	20.98	23.21	27.38	31.53	34.31	37.07	41.22
2.13	30	5.263	64	11.229	...	10.03	14.29	18.50	21.84	24.07	28.23	32.38	35.15	37.91	42.06
2.14	28	4.912	60	10.527	...	10.94	15.17	19.37	22.70	24.92	29.08	33.23	35.99	38.76	42.90
2.15	52	9.123	112	19.650	...	...	...	...	...	...	17.97	22.25	25.08	27.89	32.09
2.21	29	5.088	64	11.229	...	10.14	14.42	18.63	21.97	24.19	28.36	32.51	35.28	38.05	42.19
2.22	36	6.316	80	14.036	...	...	10.88	15.22	18.61	20.86	25.06	29.23	32.01	34.79	38.94
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

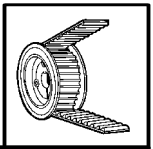
Speed Ratio	Sprocket Combinations				Center Distance, Inches											
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches												
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.73	52	9.123	90	15.790	42.31	46.45	49.22	56.12	65.50	70.47	77.92	85.09	93.36	101.64	115.43	
1.73	30	5.263	52	9.123	50.67	54.81	57.57	64.46	73.83	78.80	86.24	93.41	101.67	109.94	123.73	
1.75	32	5.614	56	9.825	49.84	53.97	56.74	63.62	73.00	77.97	85.41	92.58	100.84	109.11	122.90	
1.75	64	11.229	112	19.650	37.52	41.67	44.45	51.36	60.76	65.73	73.19	80.36	88.64	96.92	110.71	
1.77	34	5.965	60	10.527	49.00	53.14	55.90	62.79	72.17	77.13	84.58	91.74	100.01	108.28	122.07	
1.78	36	6.316	64	11.229	48.17	52.30	55.07	61.96	71.33	76.30	83.74	90.91	99.18	107.45	121.24	
1.79	38	6.667	68	11.930	47.33	51.47	54.23	61.12	70.50	75.47	82.91	90.08	98.35	106.62	120.41	
1.79	29	5.088	52	9.123	50.81	54.94	57.70	64.59	73.97	78.93	86.38	93.54	101.81	110.08	123.86	
1.80	40	7.018	72	12.632	46.49	50.63	53.39	60.29	69.67	74.63	82.08	89.25	97.52	105.79	119.57	
1.80	80	14.036	144	25.264	30.63	34.82	37.61	44.56	54.00	58.99	66.46	73.64	81.93	90.22	104.02	
1.82	44	7.720	80	14.036	44.81	48.95	51.72	58.61	67.99	72.96	80.41	87.58	95.85	104.12	117.91	
1.86	28	4.912	52	9.123	50.94	55.08	57.84	64.73	74.10	79.07	86.51	93.68	101.95	110.22	124.00	
1.87	30	5.263	56	9.825	50.11	54.24	57.00	63.89	73.27	78.24	85.68	92.85	101.11	109.39	123.17	
1.87	60	10.527	112	19.650	38.04	42.19	44.97	51.88	61.28	66.26	73.72	80.90	89.17	97.45	111.25	
1.88	32	5.614	60	10.527	49.27	53.41	56.17	63.06	72.44	77.40	84.85	92.02	100.28	108.56	122.34	
1.88	48	8.421	90	15.790	42.84	46.98	49.75	56.65	66.04	71.01	78.46	85.63	93.90	102.18	115.97	
1.88	34	5.965	64	11.229	48.43	52.57	55.33	62.23	71.60	76.57	84.01	91.18	99.45	107.72	121.51	
1.89	36	6.316	68	11.930	47.60	51.73	54.50	61.39	70.77	75.74	83.18	90.35	98.62	106.89	120.68	
1.90	38	6.667	72	12.632	46.76	50.90	53.66	60.55	69.93	74.90	82.35	89.52	97.79	106.06	119.85	
1.93	29	5.088	56	9.825	50.24	54.38	57.14	64.03	73.40	78.37	85.81	92.98	101.25	109.52	123.30	
2.00	28	4.912	56	9.825	50.38	54.51	57.27	64.16	73.54	78.51	85.95	93.12	101.39	109.66	123.44	
2.00	30	5.263	60	10.527	49.54	53.67	56.44	63.33	72.71	77.67	85.12	92.29	100.55	108.83	122.61	
2.00	32	5.614	64	11.229	48.70	52.84	55.60	62.49	71.87	76.84	84.28	91.45	99.72	108.00	121.78	
2.00	34	5.965	68	11.930	47.86	52.00	54.76	61.66	71.04	76.01	83.45	90.62	98.89	107.16	120.95	
2.00	36	6.316	72	12.632	47.02	51.16	53.93	60.82	70.20	75.17	82.62	89.79	98.06	106.33	120.12	
2.00	40	7.018	80	14.036	45.34	49.48	52.25	59.15	68.53	73.50	80.95	88.12	96.39	104.67	118.45	
2.00	56	9.825	112	19.650	38.55	42.71	45.48	52.40	61.81	66.79	74.25	81.43	89.71	97.99	111.78	
2.00	72	12.632	144	25.264	31.61	35.82	38.62	45.58	55.03	60.02	67.50	74.69	82.99	91.28	105.09	
2.05	44	7.720	90	15.790	43.36	47.50	50.27	57.18	66.57	71.54	78.99	86.17	94.44	102.72	116.51	
2.07	29	5.088	60	10.527	49.67	53.81	56.57	63.46	72.84	77.81	85.25	92.42	100.69	108.96	122.75	
2.10	80	14.036	168	29.475	26.71	31.00	33.84	40.88	50.39	55.41	62.91	70.13	78.44	86.74	100.57	
2.11	38	6.667	80	14.036	45.60	49.74	52.51	59.41	68.80	73.77	81.22	88.39	96.66	104.94	118.72	
2.12	34	5.965	72	12.632	47.29	51.43	54.19	61.09	70.47	75.44	82.89	90.06	98.33	106.60	120.39	
2.12	68	11.930	144	25.264	32.10	36.31	39.12	46.09	55.54	60.54	68.02	75.22	83.51	91.81	105.62	
2.13	32	5.614	68	11.930	48.13	52.27	55.03	61.93	71.31	76.28	83.72	90.89	99.16	107.43	121.22	
2.13	30	5.263	64	11.229	48.97	53.10	55.87	62.76	72.14	77.11	84.55	91.72	99.99	108.27	122.05	
2.14	28	4.912	60	10.527	49.81	53.94	56.70	63.60	72.98	77.94	85.39	92.56	100.83	109.10	122.88	
2.15	52	9.123	112	19.650	39.06	43.22	46.00	52.92	62.33	67.32	74.78	81.96	90.24	98.52	112.32	
2.21	29	5.088	64	11.229	49.10	53.24	56.00	62.89	72.27	77.24	84.69	91.86	100.13	108.40	122.19	
2.22	36	6.316	80	14.036	45.86	50.01	52.77	59.68	69.06	74.03	81.48	88.66	96.93	105.20	118.99	
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

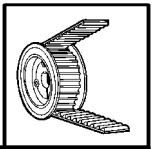
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
2.25	32	5.614	72	12.632	...	...	12.74	17.00	20.37	22.60	26.78	30.94	33.72	36.49	40.64
2.25	40	7.018	90	15.790	...	...	...	13.04	16.50	18.78	23.01	27.20	30.00	32.78	36.95
2.25	64	11.229	144	25.264	...	...	...	...	...	...	...	...	...	21.15	25.49
2.27	30	5.263	68	11.930	...	9.32	13.65	17.88	21.23	23.46	27.64	31.79	34.57	37.33	41.48
2.29	28	4.912	64	11.229	...	10.26	14.54	18.75	22.10	24.32	28.49	32.64	35.41	38.18	42.32
2.33	48	8.421	112	19.650	...	...	...	...	...	...	18.43	22.73	25.56	28.38	32.59
2.33	72	12.632	168	29.475	...	...	...	...	...	...	...	...	...	...	...
2.35	29	5.088	68	11.930	...	9.43	13.77	18.00	21.36	23.59	27.76	31.92	34.70	37.46	41.61
2.35	34	5.965	80	14.036	...	...	11.11	15.46	18.86	21.11	25.31	29.48	32.27	35.04	39.20
2.37	38	6.667	90	15.790	...	...	...	13.27	16.74	19.02	23.25	27.45	30.25	33.03	37.20
2.40	30	5.263	72	12.632	...	...	12.98	17.25	20.62	22.85	27.03	31.20	33.98	36.75	40.90
2.40	60	10.527	144	25.264	...	...	...	...	...	...	...	...	18.64	21.61	25.96
2.40	80	14.036	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.43	28	4.912	68	11.930	...	9.54	13.89	18.13	21.49	23.72	27.89	32.05	34.83	37.59	41.74
2.47	68	11.930	168	29.475	...	...	...	...	...	...	...	...	...	...	...
2.48	29	5.088	72	12.632	...	...	13.10	17.37	20.74	22.98	27.16	31.33	34.10	36.87	41.03
2.50	32	5.614	80	14.036	...	...	11.34	15.69	19.10	21.36	25.56	29.74	32.52	35.30	39.46
2.50	36	6.316	90	15.790	...	...	...	13.49	16.97	19.26	23.50	27.70	30.50	33.29	37.46
2.55	44	7.720	112	19.650	...	...	...	...	...	14.46	18.89	23.20	26.05	28.87	33.08
2.57	28	4.912	72	12.632	...	...	13.21	17.49	20.86	23.10	27.29	31.45	34.23	37.00	41.16
2.57	56	9.825	144	25.264	...	...	...	...	...	...	...	...	19.09	22.06	26.43
2.63	64	11.229	168	29.475	...	...	...	...	...	...	...	...	...	...	21.15
2.65	34	5.965	90	15.790	...	...	...	13.72	17.21	19.50	23.74	27.95	30.75	33.54	37.71
2.67	30	5.263	80	14.036	...	...	11.56	15.93	19.34	21.60	25.81	29.99	32.78	35.56	39.72
2.67	72	12.632	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.76	29	5.088	80	14.036	...	...	11.67	16.05	19.46	21.72	25.93	30.12	32.91	35.68	39.85
2.77	52	9.123	144	25.264	...	...	...	...	...	...	...	...	19.53	22.51	26.89
2.80	40	7.018	112	19.650	...	...	...	...	...	14.90	19.36	23.68	26.53	29.36	33.58
2.80	60	10.527	168	29.475	...	...	...	...	...	...	...	...	...	...	21.59
2.81	32	5.614	90	15.790	...	...	...	13.95	17.44	19.73	23.99	28.20	31.00	33.79	37.97
2.82	68	11.930	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.86	28	4.912	80	14.036	...	...	11.78	16.17	19.58	21.85	26.06	30.24	33.03	35.81	39.98
2.95	38	6.667	112	19.650	...	...	...	...	...	15.12	19.58	23.91	26.77	29.60	33.83
3.00	30	5.263	90	15.790	...	...	...	14.17	17.68	19.97	24.23	28.45	31.25	34.04	38.22
3.00	48	8.421	144	25.264	...	...	...	...	...	...	...	...	19.97	22.97	27.36
3.00	56	9.825	168	29.475	...	...	...	...	...	...	...	...	...	...	22.02
3.00	64	11.229	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.10	29	5.088	90	15.790	...	...	...	14.28	17.79	20.09	24.35	28.57	31.38	34.17	38.35
3.11	36	6.316	112	19.650	...	...	...	...	...	15.34	19.81	24.15	27.01	29.84	34.07
3.20	60	10.527	192	33.686	...	...	...	...	...	...	...	...	...	...	...
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

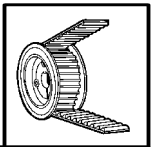
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2.25	32	5.614	72	12.632	47.55	51.69	54.46	61.35	70.74	75.71	83.16	90.33	98.60	106.87	120.66
2.25	40	7.018	90	15.790	43.88	48.03	50.80	57.70	67.10	72.07	79.53	86.70	94.98	103.25	117.04
2.25	64	11.229	144	25.264	32.59	36.81	39.62	46.59	56.05	61.05	68.54	75.74	84.04	92.33	106.15
2.27	30	5.263	68	11.930	48.39	52.53	55.30	62.19	71.57	76.54	83.99	91.16	99.43	107.71	121.49
2.29	28	4.912	64	11.229	49.23	53.37	56.13	63.03	72.41	77.38	84.82	91.99	100.26	108.54	122.32
2.33	48	8.421	112	19.650	39.56	43.73	46.51	53.44	62.86	67.84	75.30	82.49	90.77	99.05	112.85
2.33	72	12.632	168	29.475	27.65	31.95	34.81	41.86	51.39	56.42	63.93	71.16	79.47	87.78	101.62
2.35	29	5.088	68	11.930	48.52	52.66	55.43	62.33	71.71	76.68	84.12	91.29	99.57	107.84	121.63
2.35	34	5.965	80	14.036	46.12	50.27	53.04	59.94	69.33	74.30	81.75	88.92	97.20	105.47	119.26
2.37	38	6.667	90	15.790	44.14	48.29	51.06	57.97	67.36	72.34	79.79	86.97	95.24	103.52	117.31
2.40	30	5.263	72	12.632	47.81	51.95	54.72	61.62	71.00	75.98	83.42	90.60	98.87	107.14	120.93
2.40	60	10.527	144	25.264	33.08	37.30	40.11	47.10	56.56	61.57	69.06	76.26	84.56	92.86	106.68
2.40	80	14.036	192	33.686		26.84	29.78	36.99	46.64	51.70	59.26	66.52	74.86	83.20	97.06
2.43	28	4.912	68	11.930	48.66	52.80	55.56	62.46	71.84	76.81	84.26	91.43	99.70	107.98	121.76
2.47	68	11.930	168	29.475	28.11	32.43	35.28	42.35	51.89	56.92	64.44	71.67	79.99	88.30	102.14
2.48	29	5.088	72	12.632	47.94	52.09	54.85	61.75	71.14	76.11	83.56	90.73	99.00	107.28	121.06
2.50	32	5.614	80	14.036	46.39	50.53	53.30	60.20	69.59	74.57	82.02	89.19	97.47	105.74	119.53
2.50	36	6.316	90	15.790	44.40	48.55	51.32	58.23	67.63	72.60	80.06	87.23	95.51	103.79	117.58
2.55	44	7.720	112	19.650	40.07	44.24	47.02	53.96	63.38	68.36	75.83	83.01	91.30	99.58	113.39
2.57	28	4.912	72	12.632	48.08	52.22	54.99	61.89	71.27	76.24	83.69	90.86	99.14	107.41	121.20
2.57	56	9.825	144	25.264	33.56	37.79	40.61	47.60	57.07	62.08	69.57	76.78	85.08	93.38	107.20
2.63	64	11.229	168	29.475	28.57	32.90	35.76	42.84	52.39	57.42	64.95	72.18	80.50	88.82	102.67
2.65	34	5.965	90	15.790	44.65	48.81	51.58	58.49	67.89	72.87	80.32	87.50	95.78	104.06	117.85
2.67	30	5.263	80	14.036	46.65	50.79	53.56	60.47	69.86	74.83	82.29	89.46	97.73	106.01	119.80
2.67	72	12.632	192	33.686		27.74	30.70	37.94	47.61	52.69	60.26	67.52	75.88	84.22	98.10
2.76	29	5.088	80	14.036	46.78	50.92	53.69	60.60	69.99	74.97	82.42	89.59	97.87	106.15	119.94
2.77	52	9.123	144	25.264	34.04	38.28	41.10	48.10	57.58	62.59	70.09	77.30	85.60	93.91	107.73
2.80	40	7.018	112	19.650	40.57	44.75	47.53	54.47	63.90	68.89	76.35	83.54	91.83	100.12	113.92
2.80	60	10.527	168	29.475	29.03	33.37	36.24	43.33	52.89	57.93	65.46	72.69	81.02	89.34	103.19
2.81	32	5.614	90	15.790	44.91	49.07	51.84	58.75	68.15	73.13	80.59	87.77	96.04	104.33	118.12
2.82	68	11.930	192	33.686	23.63	28.19	31.15	38.41	48.09	53.18	60.76	68.03	76.39	84.73	98.61
2.86	28	4.912	80	14.036	46.91	51.05	53.82	60.73	70.12	75.10	82.55	89.73	98.00	106.28	120.07
2.95	38	6.667	112	19.650	40.82	45.00	47.79	54.73	64.16	69.15	76.62	83.80	92.09	100.38	114.19
3.00	30	5.263	90	15.790	45.17	49.32	52.10	59.02	68.42	73.40	80.85	88.03	96.31	104.59	118.39
3.00	48	8.421	144	25.264	34.52	38.77	41.59	48.60	58.09	63.10	70.60	77.81	86.12	94.43	108.26
3.00	56	9.825	168	29.475	29.49	33.84	36.71	43.81	53.38	58.43	65.96	73.20	81.53	89.86	103.71
3.00	64	11.229	192	33.686	24.06	28.63	31.61	38.88	48.58	53.66	61.25	68.53	76.89	85.24	99.13
3.10	29	5.088	90	15.790	45.30	49.45	52.23	59.15	68.55	73.53	80.99	88.17	96.44	104.73	118.52
3.11	36	6.316	112	19.650	41.07	45.25	48.04	54.99	64.42	69.41	76.88	84.07	92.36	100.65	114.45
3.20	60	10.527	192	33.686	24.49	29.08	32.06	39.34	49.06	54.15	61.75	69.03	77.40	85.75	99.64
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

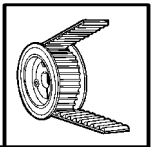
Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
3.21	28	4.912	90	15.790	...	...	...	14.40	17.91	20.21	24.47	28.69	31.50	34.29	38.48
3.23	52	9.123	168	29.475	...	...	...	...	...	...	...	...	...	...	22.46
3.27	44	7.720	144	25.264	...	...	...	...	...	...	...	17.29	20.41	23.42	27.82
3.29	34	5.965	112	19.650	...	...	...	...	...	15.56	20.04	24.39	27.25	30.09	34.32
3.43	56	9.825	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.50	32	5.614	112	19.650	...	...	...	...	13.25	15.77	20.27	24.62	27.49	30.33	34.56
3.50	48	8.421	168	29.475	...	...	...	...	...	...	...	...	...	...	22.89
3.60	40	7.018	144	25.264	...	...	...	...	...	...	...	17.71	20.85	23.86	28.28
3.69	52	9.123	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.73	30	5.263	112	19.650	...	...	...	...	13.46	15.99	20.50	24.85	27.72	30.57	34.81
3.79	38	6.667	144	25.264	...	...	...	...	...	...	...	17.92	21.06	24.09	28.51
3.82	44	7.720	168	29.475	...	...	...	...	...	...	...	...	...	...	23.32
3.86	29	5.088	112	19.650	...	...	...	...	13.57	16.10	20.61	24.97	27.84	30.69	34.93
4.00	28	4.912	112	19.650	...	...	...	...	13.67	16.21	20.72	25.09	27.96	30.81	35.05
4.00	36	6.316	144	25.264	...	...	...	...	...	...	...	18.13	21.28	24.31	28.74
4.00	48	8.421	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.20	40	7.018	168	29.475	...	...	...	...	...	...	...	...	...	18.87	23.75
4.24	34	5.965	144	25.264	...	...	...	...	...	...	...	18.34	21.50	24.53	28.97
4.36	44	7.720	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.42	38	6.667	168	29.475	...	...	...	...	...	...	...	...	...	19.08	23.97
4.50	32	5.614	144	25.264	...	...	...	...	...	...	...	18.55	21.72	24.76	29.20
4.67	36	6.316	168	29.475	...	...	...	...	...	...	...	...	...	19.28	24.18
4.80	30	5.263	144	25.264	...	...	...	...	...	...	...	18.76	21.93	24.98	29.43
4.80	40	7.018	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.94	34	5.965	168	29.475	...	...	...	...	...	...	...	...	...	19.48	24.39
4.97	29	5.088	144	25.264	...	...	...	...	...	...	...	18.86	22.04	25.09	29.54
5.05	38	6.667	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.14	28	4.912	144	25.264	...	...	...	...	...	...	...	18.97	22.15	25.20	29.66
5.25	32	5.614	168	29.475	...	...	...	...	...	...	...	...	...	19.69	24.61
5.33	36	6.316	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.60	30	5.263	168	29.475	...	...	...	...	...	...	...	...	...	19.89	24.82
5.65	34	5.965	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.79	29	5.088	168	29.475	...	...	...	...	...	...	...	...	...	19.99	24.93
6.00	28	4.912	168	29.475	...	...	...	...	...	...	...	...	...	20.09	25.03
6.00	32	5.614	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.40	30	5.263	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.62	29	5.088	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.86	28	4.912	192	33.686	...	...	...	...	...	...	...	...	...	...	...
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



14MM Pitch HT200/HT150 Belt Drive Selection Table

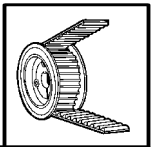
Speed Ratio	Sprocket Combinations				Center Distance, Inches											
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M	
	No. of teeth	Pitch Dia. Inches	No. of teeth	Pitch Dia. Inches												
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
3.21	28	4.912	90	15.790	45.42	49.58	52.36	59.28	68.68	73.66	81.12	88.30	96.58	104.86	118.66	
3.23	52	9.123	168	29.475	29.95	34.30	37.18	44.30	53.88	58.92	66.46	73.71	82.04	90.37	104.23	
3.27	44	7.720	144	25.264	35.00	39.25	42.08	49.09	58.59	63.61	71.11	78.33	86.64	94.95	108.78	
3.29	34	5.965	112	19.650	41.32	45.51	48.30	55.24	64.67	69.67	77.14	84.33	92.62	100.91	114.72	
3.43	56	9.825	192	33.686	24.92	29.52	32.51	39.81	49.54	54.64	62.24	69.53	77.90	86.26	100.16	
3.50	32	5.614	112	19.650	41.57	45.76	48.55	55.50	64.93	69.93	77.40	84.59	92.88	101.17	114.98	
3.50	48	8.421	168	29.475	30.41	34.77	37.66	44.78	54.37	59.42	66.97	74.21	82.55	90.89	104.75	
3.60	40	7.018	144	25.264	35.48	39.73	42.56	49.59	59.10	64.12	71.62	78.84	87.16	95.47	109.30	
3.69	52	9.123	192	33.686	25.35	29.96	32.96	40.28	50.02	55.12	62.73	70.02	78.40	86.77	100.67	
3.73	30	5.263	112	19.650	41.82	46.01	48.80	55.75	65.19	70.18	77.66	84.85	93.15	101.44	115.25	
3.79	38	6.667	144	25.264	35.71	39.98	42.81	49.84	59.35	64.37	71.88	79.10	87.42	95.73	109.57	
3.82	44	7.720	168	29.475	30.86	35.23	38.12	45.26	54.86	59.92	67.47	74.72	83.06	91.40	105.26	
3.86	29	5.088	112	19.650	41.95	46.14	48.93	55.88	65.32	70.31	77.79	84.98	93.28	101.57	115.38	
4.00	28	4.912	112	19.650	42.07	46.26	49.05	56.01	65.45	70.44	77.92	85.11	93.41	101.70	115.51	
4.00	36	6.316	144	25.264	35.95	40.22	43.05	50.08	59.60	64.62	72.13	79.36	87.67	95.99	109.83	
4.00	48	8.421	192	33.686	25.78	30.41	33.41	40.74	50.50	55.61	63.22	70.52	78.91	87.27	101.18	
4.20	40	7.018	168	29.475	31.31	35.70	38.59	45.74	55.35	60.41	67.97	75.22	83.57	91.91	105.78	
4.24	34	5.965	144	25.264	36.19	40.46	43.29	50.33	59.85	64.87	72.39	79.61	87.93	96.25	110.09	
4.36	44	7.720	192	33.686	26.20	30.84	33.86	41.20	50.97	56.09	63.71	71.01	79.41	87.78	101.69	
4.42	38	6.667	168	29.475	31.54	35.93	38.83	45.98	55.60	60.66	68.22	75.48	83.83	92.17	106.04	
4.50	32	5.614	144	25.264	36.43	40.70	43.54	50.58	60.10	65.13	72.64	79.87	88.19	96.51	110.35	
4.67	36	6.316	168	29.475	31.76	36.16	39.06	46.22	55.84	60.91	68.47	75.73	84.08	92.42	106.30	
4.80	30	5.263	144	25.264	36.66	40.94	43.78	50.82	60.35	65.38	72.90	80.12	88.45	96.77	110.61	
4.80	40	7.018	192	33.686	26.63	31.28	34.31	41.66	51.45	56.57	64.20	71.51	79.91	88.28	102.20	
4.94	34	5.965	168	29.475	31.99	36.39	39.29	46.46	56.08	61.15	68.72	75.98	84.33	92.68	106.56	
4.97	29	5.088	144	25.264	36.78	41.06	43.90	50.94	60.47	65.50	73.02	80.25	88.58	96.90	110.74	
5.05	38	6.667	192	33.686	26.84	31.50	34.53	41.89	51.69	56.81	64.45	71.76	80.16	88.53	102.45	
5.14	28	4.912	144	25.264	36.90	41.18	44.02	51.07	60.60	65.63	73.15	80.38	88.71	97.03	110.87	
5.25	32	5.614	168	29.475	32.22	36.62	39.53	46.69	56.33	61.40	68.97	76.23	84.59	92.93	106.81	
5.33	36	6.316	192	33.686	27.05	31.72	34.75	42.12	51.92	57.05	64.69	72.00	80.41	88.79	102.71	
5.60	30	5.263	168	29.475	32.44	36.85	39.76	46.93	56.57	61.64	69.22	76.48	84.84	93.19	107.07	
5.65	34	5.965	192	33.686	27.26	31.94	34.97	42.35	52.16	57.29	64.93	72.25	80.65	89.04	102.96	
5.79	29	5.088	168	29.475	32.55	36.96	39.87	47.05	56.69	61.77	69.34	76.61	84.97	93.32	107.20	
6.00	28	4.912	168	29.475	32.67	37.08	39.99	47.17	56.81	61.89	69.46	76.73	85.09	93.44	107.33	
6.00	32	5.614	192	33.686	27.47	32.16	35.20	42.58	52.40	57.53	65.18	72.50	80.90	89.29	103.22	
6.40	30	5.263	192	33.686	27.68	32.38	35.42	42.81	52.63	57.77	65.42	72.74	81.15	89.54	103.47	
6.62	29	5.088	192	33.686	27.79	32.49	35.53	42.93	52.75	57.89	65.54	72.86	81.28	89.66	103.60	
6.86	28	4.912	192	33.686	27.90	32.60	35.64	43.04	52.87	58.01	65.66	72.99	81.40	89.79	103.73	
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

*This length correction factor must be used to determine the proper belt width.

Center Distance Is Greater Than Eight Times The Small Sprocket And The Large Sprocket Is Not Flanged. See Engineering Section For Details.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



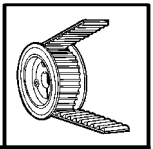
20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Th.	Pitch Dia.	No. Th.	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
	Belt Length Factor→				0.8	0.9	0.95	1.0			1.05		1.1		
1.00	34	8.522	34	8.522	26.0	35.8	53.6	61.4	69.3	77.2	85.0	92.9	100.8	108.7	116.5
1.00	36	9.023	36	9.023	25.2	35.0	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9	115.8
1.00	38	9.524	38	9.524	24.4	34.3	52.0	59.9	67.7	75.6	83.5	91.3	99.2	107.1	115.0
1.00	40	10.026	40	10.026	23.6	33.5	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3	114.2
1.00	44	11.028	44	11.028	22.1	31.9	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7	112.6
1.00	48	12.031	48	12.031	20.5	30.3	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2	111.0
1.00	52	13.033	52	13.033	18.9	28.8	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6	109.5
1.00	56	14.036	56	14.036	17.3	27.2	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9
1.00	60	15.038	60	15.038	...	25.6	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3
1.00	64	16.041	64	16.041	...	24.0	41.7	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7
1.00	68	17.043	68	17.043	...	22.5	40.2	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2
1.00	72	18.046	72	18.046	...	20.9	38.6	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6
1.00	80	20.051	80	20.051	...	...	35.4	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4
1.00	90	22.557	90	22.557	...	...	31.5	39.4	47.3	55.1	63.0	70.9	78.8	86.6	94.5
1.05	38	9.524	40	10.026	24.0	33.9	51.6	59.5	67.3	75.2	83.1	91.0	98.8	106.7	114.6
1.06	36	9.023	38	9.524	24.8	34.7	52.4	60.2	68.1	76.0	83.9	91.7	99.6	107.5	115.4
1.06	34	8.522	36	9.023	25.6	35.4	53.2	61.0	68.9	76.8	84.7	92.5	100.4	108.3	116.1
1.06	68	17.043	72	18.046	...	21.7	39.4	47.3	55.1	63.0	70.9	78.8	86.6	94.5	102.4
1.06	64	16.041	68	17.043	...	23.2	41.0	48.8	56.7	64.6	72.5	80.3	88.2	96.1	103.9
1.07	60	15.038	64	16.041	...	24.8	42.5	50.4	58.3	66.2	74.0	81.9	89.8	97.6	105.5
1.07	56	14.036	60	15.038	16.5	26.4	44.1	52.0	59.9	67.7	75.6	83.5	91.3	99.2	107.1
1.08	52	13.033	56	14.036	18.1	28.0	45.7	53.6	61.4	69.3	77.2	85.0	92.9	100.8	108.7
1.08	48	12.031	52	13.033	19.7	29.5	47.3	55.1	63.0	70.9	78.7	86.6	94.5	102.4	110.2
1.09	44	11.028	48	12.031	21.3	31.1	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9	111.8
1.10	40	10.026	44	11.028	22.8	32.7	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5	113.4
1.11	36	9.023	40	10.026	24.4	34.3	52.0	59.8	67.7	75.6	83.5	91.3	99.2	107.1	115.0
1.11	72	18.046	80	20.051	...	...	37.0	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0
1.12	34	8.522	38	9.524	25.2	35.0	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9	115.8
1.13	64	16.041	72	18.046	...	22.4	40.2	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2
1.13	80	20.051	90	22.557	...	...	33.5	41.3	49.2	57.1	65.0	72.8	80.7	88.6	96.5
1.13	60	15.038	68	17.043	...	24.0	41.7	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7
1.14	56	14.036	64	16.041	...	25.6	43.3	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3
1.15	52	13.033	60	15.038	17.3	27.2	44.9	52.8	60.6	68.5	76.4	84.3	92.1	100.0	107.9
1.16	38	9.524	44	11.028	23.2	33.1	50.8	58.7	66.5	74.4	82.3	90.2	98.0	105.9	113.8
1.17	48	12.031	56	14.036	18.9	28.7	46.5	54.3	62.2	70.1	78.0	85.8	93.7	101.6	109.5
1.18	34	8.522	40	10.026	24.8	34.6	52.4	60.2	68.1	76.0	83.9	91.7	99.6	107.5	115.4
1.18	68	17.043	80	20.051	...	...	37.8	45.7	53.5	61.4	69.3	77.2	85.0	92.9	100.8
1.18	44	11.028	52	13.033	20.5	30.3	48.0	55.9	63.8	71.7	79.5	87.4	95.3	103.2	111.0
1.20	40	10.026	48	12.031	22.0	31.9	49.6	57.5	65.4	73.2	81.1	89.0	96.9	104.7	112.6
1.20	60	15.038	72	18.046	...	23.2	40.9	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9
1.21	56	14.036	68	17.043	...	24.8	42.5	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5
1.22	36	9.023	44	11.028	23.6	33.5	51.2	59.1	66.9	74.8	82.7	90.6	98.4	106.3	114.2
1.23	52	13.033	64	16.041	...	26.3	44.1	52.0	59.8	67.7	75.6	83.5	91.3	99.2	107.1
1.24	90	22.557	112	28.072	...	...	...	34.9	42.8	50.7	58.6	66.5	74.4	82.3	90.1
1.25	48	12.031	60	15.038	18.1	27.9	45.7	53.5	61.4	69.3	77.2	85.0	92.9	100.8	108.7
1.25	64	16.041	80	20.051	...	20.8	38.5	46.4	54.3	62.2	70.1	77.9	85.8	93.7	101.6
1.25	72	18.046	90	22.557	...	...	35.0	42.9	50.7	58.6	66.5	74.4	82.3	90.1	98.0
1.26	38	9.524	48	12.031	22.4	32.3	50.0	57.9	65.7	73.6	81.5	89.4	97.2	105.1	113.0
1.27	44	11.028	56	14.036	19.6	29.5	47.2	55.1	63.0	70.9	78.7	86.6	94.5	102.4	110.2
1.29	56	14.036	72	18.046	...	23.9	41.7	49.6	57.5	65.3	73.2	81.1	89.0	96.8	104.7
Belt Length Factor→					0.8	0.85	0.95	1.0			1.05		1.1		

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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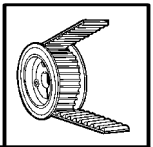
20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Th.	Pitch Dia.	No. Th.	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
	Belt Length Factor→				0.8	0.9	0.95	1.0			1.05		1.1		
1.29	34	8.522	44	11.028	24.0	33.8	51.6	59.4	67.3	75.2	83.1	90.9	98.8	106.7	114.6
1.30	40	10.026	52	13.033	21.2	31.1	48.8	56.7	64.6	72.4	80.3	88.2	96.1	103.9	111.8
1.31	52	13.033	68	17.043	...	25.5	43.3	51.2	59.0	66.9	74.8	82.7	90.5	98.4	106.3
1.32	68	17.043	90	22.557	...	...	35.7	43.6	51.5	59.4	67.3	75.2	83.0	90.9	98.8
1.33	36	9.023	48	12.031	22.8	32.6	50.4	58.3	66.1	74.0	81.9	89.8	97.6	105.5	113.4
1.33	48	12.031	64	16.041	17.2	27.1	44.8	52.7	60.6	68.5	76.4	84.2	92.1	100.0	107.9
1.33	60	15.038	80	20.051	...	21.5	39.3	47.2	55.1	63.0	70.8	78.7	86.6	94.5	102.3
1.36	44	11.028	60	15.038	18.8	28.7	46.4	54.3	62.2	70.1	77.9	85.8	93.7	101.6	109.4
1.37	38	9.524	52	13.033	21.6	31.5	49.2	57.1	64.9	72.8	80.7	88.6	96.4	104.3	112.2
1.38	52	13.033	72	18.046	...	24.7	42.5	50.3	58.2	66.1	74.0	81.9	89.7	97.6	105.5
1.40	40	10.026	56	14.036	20.4	30.3	48.0	55.9	63.8	71.6	79.5	87.4	95.3	103.1	111.0
1.40	80	20.051	112	28.072	...	...	28.9	36.8	44.7	52.6	60.5	68.4	76.3	84.2	92.1
1.41	64	16.041	90	22.557	...	...	36.5	44.4	52.3	60.2	68.0	75.9	83.8	91.7	99.6
1.41	34	8.522	48	12.031	23.2	33.0	50.8	58.6	66.5	74.4	82.3	90.1	98.0	105.9	113.8
1.42	48	12.031	68	17.043	...	26.3	44.0	51.9	59.8	67.7	75.6	83.4	91.3	99.2	107.1
1.43	56	14.036	80	20.051	...	22.2	40.0	47.9	55.8	63.7	71.6	79.5	87.4	95.2	103.1
1.44	36	9.023	52	13.033	22.0	31.8	49.6	57.5	65.3	73.2	81.1	89.0	96.8	104.7	112.6
1.45	44	11.028	64	16.041	17.9	27.8	45.6	53.5	61.4	69.3	77.1	85.0	92.9	100.8	108.6
1.47	38	9.524	56	14.036	20.7	30.6	48.4	56.3	64.1	72.0	79.9	87.8	95.6	103.5	111.4
1.50	40	10.026	60	15.038	19.5	29.4	47.2	55.1	62.9	70.8	78.7	86.6	94.5	102.3	110.2
1.50	48	12.031	72	18.046	...	25.4	43.2	51.1	59.0	66.9	74.7	82.6	90.5	98.4	106.3
1.50	60	15.038	90	22.557	...	...	37.2	45.1	53.0	60.9	68.8	76.7	84.6	92.5	100.3
1.53	34	8.522	52	13.033	22.3	32.2	50.0	57.8	65.7	73.6	81.5	89.3	97.2	105.1	113.0
1.54	52	13.033	80	20.051	...	23.0	40.8	48.7	56.6	64.5	72.4	80.2	88.1	96.0	103.9
1.55	44	11.028	68	17.043	17.0	27.0	44.8	52.7	60.6	68.4	76.3	84.2	92.1	100.0	107.8
1.56	36	9.023	56	14.036	21.1	31.0	48.8	56.6	64.5	72.4	80.3	88.2	96.0	103.9	111.8
1.56	72	18.046	112	28.072	...	...	30.3	38.2	46.2	54.1	62.0	69.9	77.8	85.7	93.6
1.58	38	9.524	60	15.038	19.9	29.8	47.6	55.4	63.3	71.2	79.1	87.0	94.8	102.7	110.6
1.60	40	10.026	64	16.041	18.6	28.6	46.4	54.3	62.1	70.0	77.9	85.8	93.7	101.5	109.4
1.60	90	22.557	144	36.092	...	...	...	...	36.0	44.0	51.9	59.8	67.8	75.7	83.6
1.61	56	14.036	90	22.557	...	...	37.9	45.9	53.8	61.7	69.6	77.4	85.3	93.2	101.1
1.64	44	11.028	72	18.046	...	26.1	44.0	51.9	59.7	67.6	75.5	83.4	91.3	99.2	107.0
1.65	34	8.522	56	14.036	21.5	31.4	49.1	57.0	64.9	72.8	80.7	88.5	96.4	104.3	112.2
1.65	68	17.043	112	28.072	...	...	31.0	39.0	46.9	54.8	62.7	70.7	78.5	86.4	94.3
1.67	36	9.023	60	15.038	20.2	30.2	47.9	55.8	63.7	71.6	79.5	87.4	95.2	103.1	111.0
1.67	48	12.031	80	20.051	...	23.7	41.5	49.4	57.3	65.2	73.1	81.0	88.9	96.8	104.7
1.68	38	9.524	64	16.041	19.0	28.9	46.7	54.6	62.5	70.4	78.3	86.2	94.0	101.9	109.8
1.70	40	10.026	68	17.043	17.8	27.7	45.5	53.4	61.3	69.2	77.1	85.0	92.9	100.7	108.6
1.73	52	13.033	90	22.557	...	20.7	38.7	46.6	54.5	62.4	70.3	78.2	86.1	94.0	101.9
1.75	64	16.041	112	2.072	...	...	31.7	39.7	47.6	55.6	63.5	71.4	79.3	87.2	95.1
1.76	34	9.023	60	15.038	20.6	30.5	48.3	56.2	64.1	72.0	79.9	87.7	95.6	103.5	111.4
1.78	36	9.023	64	16.041	19.4	29.3	47.1	55.0	62.9	70.8	78.7	86.5	94.4	102.3	110.2
1.79	38	9.524	68	17.043	18.1	28.1	45.9	53.8	61.7	69.6	77.5	85.4	93.2	101.1	109.0
1.80	40	10.026	72	18.046	16.8	26.9	44.7	52.6	60.5	68.4	76.3	84.2	92.0	99.9	107.8
1.80	80	20.051	144	36.092	...	...	...	...	37.7	45.7	53.7	61.7	69.6	77.5	85.4
1.82	44	11.028	80	20.051	...	24.4	42.3	50.2	58.1	66.0	73.9	81.8	89.7	97.5	105.4
1.87	60	15.038	112	28.072	...	...	32.4	40.4	48.4	56.3	64.2	72.1	80.0	87.9	95.8
1.87	90	22.557	168	42.108	...	...	...	...	...	38.5	46.6	54.6	62.6	70.6	78.5
1.88	48	12.031	90	22.557	...	21.4	39.4	47.3	55.3	63.2	71.1	79.0	86.8	94.7	102.6
1.88	34	8.522	64	16.041	19.7	29.7	47.5	55.4	63.3	71.2	79.0	86.9	94.8	102.7	110.6
Belt Length Factor→					0.8	0.9	0.95	1.0			1.05		1.1		

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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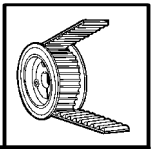
20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Th.	Pitch Dia.	No. Th.	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
	Belt Length Factor→				0.8	0.9	0.95	1.0			1.05		1.1		
1.89	36	9.023	68	17.043	18.4	28.4	46.3	54.2	62.1	70.0	77.9	85.7	93.6	101.5	109.4
1.89	38	9.524	72	18.046	17.2	27.2	45.1	53.0	60.9	68.8	76.7	84.5	92.4	100.3	108.2
2.00	34	8.522	68	17.043	18.8	28.8	46.6	54.6	62.5	70.3	78.2	86.1	94.0	101.9	109.8
2.00	36	9.023	72	18.046	17.5	27.6	45.4	53.3	61.2	69.1	77.0	84.9	92.8	100.7	108.6
2.00	40	10.026	80	20.051	...	25.1	43.0	50.9	58.8	66.7	74.6	82.5	90.4	98.3	106.2
2.00	56	14.036	112	28.072	...	...	33.1	41.1	49.1	57.0	65.0	72.9	80.8	88.7	96.6
2.00	72	18.046	144	36.092	...	...	...	30.9	39.1	47.1	55.1	63.1	71.1	79.0	86.9
2.05	44	11.028	90	22.557	...	22.1	40.1	48.1	56.0	63.9	71.8	79.7	87.6	95.5	103.4
2.10	80	20.051	168	42.108	...	...	...	...	...	40.2	48.3	56.4	64.4	72.3	80.3
2.11	38	9.524	80	20.051	...	25.4	43.4	51.3	59.2	67.1	75.0	82.9	90.8	98.7	106.6
2.12	34	8.522	72	18.046	17.8	27.9	45.8	53.7	61.6	69.5	77.4	85.3	93.2	101.1	109.0
2.12	68	17.043	144	36.092	...	...	...	31.6	39.8	47.8	55.8	63.8	71.8	79.7	87.6
2.13	90	22.557	192	48.123	...	...	...	...	...	...	40.9	49.1	57.2	65.2	73.2
2.15	52	13.033	112	28.072	...	...	33.8	41.8	49.8	57.8	65.7	73.6	81.5	89.4	97.3
2.22	36	9.023	80	20.051	...	25.8	43.7	51.7	59.6	67.5	75.4	83.3	91.2	99.1	106.9
2.25	40	10.026	90	22.557	...	22.7	40.8	48.8	56.7	64.6	72.6	80.5	88.4	96.2	104.1
2.25	64	16.041	144	36.092	...	...	...	32.3	40.4	48.5	56.5	64.5	72.5	80.4	88.4
2.33	48	12.031	112	28.072	...	...	34.5	42.5	50.5	58.5	66.4	74.4	82.3	90.2	98.1
2.33	72	18.046	168	42.108	...	...	...	...	33.2	41.5	49.7	57.7	65.8	73.8	81.7
2.35	34	8.522	80	20.051	...	26.1	44.1	52.0	59.9	67.9	75.8	83.7	91.5	99.4	107.3
2.37	38	9.524	90	22.557	...	23.1	41.2	49.2	57.1	65.0	72.9	80.8	88.7	96.6	104.5
2.40	60	15.038	144	36.092	...	...	...	32.9	41.1	49.2	57.3	65.2	73.2	81.2	89.1
2.40	80	20.051	192	48.123	...	...	...	...	...	...	42.5	50.7	58.9	67.0	75.0
2.40	90	22.557	216	54.139	...	...	...	...	...	...	...	43.1	51.4	59.6	67.8
2.47	68	17.043	168	42.108	...	...	...	...	33.9	42.2	50.3	58.4	66.5	74.5	82.5
2.50	36	9.023	90	22.557	...	23.4	41.5	49.5	57.5	65.4	73.3	81.2	89.1	97.0	104.9
2.55	44	11.028	112	28.072	...	...	35.1	43.2	51.2	59.2	67.1	75.1	83.0	90.9	98.8
2.57	56	14.036	144	36.092	...	...	...	33.6	41.8	49.9	58.0	66.0	73.9	81.9	89.8
2.63	64	16.041	168	42.108	...	...	...	...	34.5	42.8	51.0	59.1	67.2	75.2	83.2
2.65	34	8.522	90	22.557	...	23.7	41.9	49.9	57.8	65.7	73.7	81.6	89.5	97.4	105.3
2.67	72	18.046	192	48.123	...	...	...	...	...	35.4	43.8	52.1	60.3	68.3	76.4
2.70	80	20.051	216	54.139	...	...	...	...	...	...	...	44.8	53.1	61.3	69.5
2.77	52	13.033	144	36.092	...	...	...	34.2	42.5	50.6	58.7	66.7	74.7	82.6	90.6
2.80	40	10.026	112	28.072	...	...	35.8	43.9	51.9	59.9	67.9	75.8	83.7	91.7	99.6
2.80	60	15.038	168	42.108	...	...	...	...	35.2	43.5	51.7	59.8	67.9	75.9	83.9
2.82	68	17.043	192	48.123	...	...	...	...	...	36.1	44.5	52.8	60.9	69.0	77.1
2.95	38	9.524	112	28.072	...	...	36.2	44.3	52.3	60.3	68.2	76.2	84.1	92.0	99.9
3.00	48	12.031	144	36.092	...	...	26.4	34.9	43.1	51.3	59.3	67.4	75.4	83.3	91.3
3.00	56	14.036	168	42.108	...	...	...	...	35.8	44.2	52.4	60.5	68.6	76.6	84.6
3.00	64	16.041	192	48.123	...	...	...	...	...	36.7	45.1	53.4	61.6	69.7	77.8
3.00	72	18.046	216	54.139	...	...	...	...	...	...	...	46.1	54.4	62.7	70.8
3.11	36	9.023	112	28.072	...	...	36.5	44.6	52.6	60.6	68.6	76.5	84.5	92.4	100.3
3.18	68	17.043	216	54.139	...	...	...	...	...	...	38.1	46.7	55.1	63.3	71.5
3.20	60	15.038	192	48.123	...	...	...	...	...	37.3	45.8	54.1	62.3	70.4	78.5
3.23	52	13.033	168	42.108	...	...	...	...	36.5	44.8	53.1	61.2	69.3	77.3	85.3
3.27	44	11.028	144	36.092	...	...	27.1	35.6	43.8	52.0	60.0	68.1	76.1	84.1	92.0
3.29	34	8.522	112	28.072	...	...	36.8	44.9	53.0	61.0	69.0	76.9	84.8	92.8	100.7
3.38	64	16.041	216	54.139	...	...	...	...	...	...	38.8	47.3	55.7	64.0	72.2
3.43	56	14.036	192	48.123	...	...	...	...	...	38.0	46.4	54.8	63.0	71.1	79.2
3.50	48	12.031	168	42.108	...	...	...	...	37.1	45.5	53.7	61.9	70.0	78.0	86.0
Belt Length Factor→					0.8	0.9	0.95	1.0			1.05		1.1		

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
 Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

FEATURES/BENEFITS PAGES PT11-2-PT11-3	SPECIFICATIONS: SPROCKETS PAGES PT11-4-PT11-16	SPECIFICATIONS: BELTS PAGES PT11-18-PT11-19	ENGINEERING/TECHNICAL PAGES PT11-70-PT11-73
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SELECTION



20MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance										
	Driver		Driven		Belt Length Code Designation										
	No. Th.	Pitch Dia.	No. Th.	Pitch Dia.	2000	2500	3400	3800	4200	4600	5000	5400	5800	6200	6600
	Belt Length Factor→				0.8	0.9	0.95	1.0			1.05		1.1		
3.60	40	10.026	144	36.092	...	...	27.7	36.2	44.5	52.6	60.7	68.8	76.8	84.8	92.7
3.60	60	15.038	216	54.139	...	...	...	...	...	...	39.4	48.0	56.4	64.7	72.9
3.69	52	13.033	192	48.123	...	...	...	...	...	38.6	47.1	55.4	63.6	71.8	79.9
3.79	38	9.524	144	36.092	...	...	28.0	36.5	44.8	53.0	61.1	69.1	77.1	85.1	93.1
3.82	44	11.028	168	42.108	...	...	...	29.1	37.8	46.1	54.4	62.6	70.6	78.7	86.7
3.86	56	14.036	216	54.139	...	...	...	...	...	...	40.0	48.6	57.0	65.3	73.5
4.00	36	9.023	144	36.092	...	...	28.3	36.9	45.1	53.3	61.4	69.5	77.5	85.5	93.4
4.00	48	12.031	192	48.123	...	...	...	...	...	39.2	47.7	56.1	64.3	72.5	80.6
4.15	52	13.033	216	54.139	...	...	...	...	...	...	40.7	49.3	57.7	66.0	74.2
4.20	40	10.026	168	42.108	...	...	...	29.7	38.4	46.8	55.1	63.2	71.3	79.4	87.4
4.24	34	8.522	144	36.092	...	...	28.7	37.2	45.5	53.7	61.8	69.8	77.8	85.8	93.8
4.36	44	11.028	192	48.123	...	...	...	...	...	39.9	48.4	56.7	65.0	73.1	81.2
4.42	38	9.524	168	42.108	...	...	...	30.1	38.7	47.1	55.4	63.6	71.7	79.7	87.8
4.50	48	12.031	216	54.139	...	...	...	...	...	...	41.3	49.9	58.3	66.7	74.9
4.67	36	9.023	168	42.108	...	...	...	30.4	39.0	47.5	55.7	63.9	72.0	80.1	88.1
4.80	40	10.026	192	48.123	...	...	...	...	31.7	40.5	49.0	57.4	65.6	73.8	81.9
4.91	44	11.028	216	54.139	...	...	...	...	...	...	41.9	50.6	59.0	67.3	75.6
4.94	34	8.522	168	4.108	...	...	...	30.7	39.4	47.8	56.1	64.2	72.4	80.4	88.5
5.05	38	9.524	192	48.123	...	...	...	...	32.0	40.8	49.4	57.7	66.0	74.2	82.3
5.33	36	9.023	192	48.123	...	...	...	...	32.3	41.1	49.7	58.0	66.3	74.5	82.6
5.40	40	10.026	216	54.139	...	...	...	...	...	...	42.5	51.2	59.6	68.0	76.2
5.65	34	8.522	192	48.123	...	...	...	...	32.6	41.4	50.0	58.4	66.6	74.8	83.0
5.68	38	9.524	216	54.139	...	...	...	...	...	33.9	42.9	51.5	60.0	68.3	76.6
6.00	36	9.023	216	54.139	...	...	...	...	...	34.2	43.2	51.8	60.3	68.6	76.9
6.35	34	8.522	216	54.139	...	...	...	...	...	34.5	43.5	52.1	60.6	69.0	77.2
Belt Length Factor→					0.8	0.9	0.95	1.0			1.05		1.1		

NOTES: All 20MM HTD Drives operating above 1000 RPM may require a sound dampening guard.
Belt lengths of 5200, 5600, 6000, and 6400 are also available. Interpolate center distance.

FEATURES/BENEFITS PAGES PT 11-2-PT 11-3	SPECIFICATIONS: SPROCKETS PAGES PT 11-4-PT 11-16	SPECIFICATIONS: BELTS PAGES PT 11-18-PT 11-19	ENGINEERING/TECHNICAL PAGES PT 11-70-PT 11-73
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