



HT150/HT100/HTD Drive Selection

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 412)**
 - Determine Class of Service from Table 1.
 - Choose Basic Service Factor in appropriate column of Table 2.
 - Add additional service factor from Table 3, if 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.
4. **Determine Belt Pitch: (Page 413)**
 - 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 414–418)
 - 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 427–442)
 - 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 HT150 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: tables put this at Class II. Package Convey or requires 1.2 basic Service Factor. Add 0.2 for 10-16 hrs/day; add 0.3 for 14MM pitch (Step 4.) Net S.F. = 1.7.

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

Step 4. Belt Pitch: Referring to page 413, 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 21.08 HP. interpolation for 125 RPM gives 26.4 HP. Other alternatives are also available.

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, except for the belt length correction factor of .95 (20.2" C.D. requires a 1770 length code belt)

Step 8. Finalize Selection: 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 29.6.

Step 9. Specify Drive:

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

DriveN Sprocket. P72-14M-115-4545, P/N 114579 Bushing. 4545 x 2-3/4", P/N 117426

Belt: 1778-14M-115 HT150 Belt, P/N 142531 Shaft capacity is verified by availability of bore sizes.

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SELECTION

SERVICE FACTORS

To find a basic service factor: First, determine the class of the DriveR (prime mover) in Table 1. Then, determine the basic service factor for the application Table 2-in the same class as the DriveR. Add additional Service Factors from Table 3 if applicable.

Table 1 DriveR (prime mover)

Class of DriveR	Class I	Class II	Class III
Momentary Peak Load, % of Rated Load	149%	150 to 249%	250 to 400%
AC Electric Motors: Single Phase			all
Squirrel cage NEMA Design A 3600 rpm 1800 rpm 1200 rpm 900 rpm	40 HP up 100 HP up 15 HP up 5 HP up	1-1/2 thru 30 HP 5 thru 75 HP 3/4 thru 10 HP 1/2 thru 3 HP	1 thru 3 HP
NEMA Design B 3600 rpm 1800 rpm 1200 rpm 900 rpm		5 HP up 5 HP up 5 HP up 2 HP up	1-1/2 thru 3 HP 1 thru 3 HP 3/4 thru 3 HP 1/2 thru 1-1/2 HP
NEMA Design C 1800 rpm 1200 rpm 900 rpm		15 HP up 7-1/2 HP up all	5 thru 10 HP 3 and 5 HP
NEMA Design D			all
NEMA Design F	all		
Wound Rotor 1800 rpm 1200 rpm 900 rpm		20 HP 15 HP 7-1/2 HP	2 to 15 HP 2 to 10 HP 1 to 5 HP
Synchronous		normal torque	high torque
DC Electric Motors	shunt	compound	series
Engines - int. combus.	8 cyl. up	6 cyl.	4 cyl. or less
Hydraulic Motors, Line Shafts			all

Table 2 Basic Service Factors of DriveN Machines

DriveN Machines	Class I	Class II	Class III
Agitators, Mixers liquid	1.2	1.4	1.6
(paddle or propeller) semi-liquid	1.3	1.5	1.7
Bakery Machinery, Dough Mixers	1.2	1.4	1.6
Brick and clay Machinery	1.4	1.6	1.8
augers, mixers, granulators			
pug mills	1.6	1.8	2.0
Centrifuges	1.5	1.7	-
Compressors reciprocating	1.6	1.8	2.0
centrifugal	1.4	1.5	1.6
Conveyors			
belt, light package; oven	1.1	1.2	1.3
belt; ore, coal, sand	1.2	1.4	1.6
apron, bucket, elevator, pan	1.4	1.6	1.8
flight, screw	1.4	1.6	1.8
Fans, Blowers			
centrifugal, induced draft exhausters	1.4	1.6	1.8
propeller, mine fans, positive blowers	1.6	1.8	2.0
Generators and Exciters	1.4	1.6	1.8
Hammer Mills	1.5	1.7	1.9
Hoists, Elevators	1.4	1.6	1.8
Laundry Machinery general	1.2	1.4	1.6
extractors, washers	1.4	1.6	1.8
Line Shafts	1.2	1.4	1.6
Machine Tools			
drill presses			
lathes, screw machines	1.2	1.4	1.6
boring mills, grinders	1.3	1.5	1.7
milling machines, shapers	1.3	1.5	1.7
Mills			
ball, rod, pebble, etc.	-	1.9	2.1
Paper Machinery			
agitators, calenders, dryers	1.2	1.4	1.6
beaters, jordans, Nash pumps, pulpers	1.4	1.6	1.8
Printing Machinery			
presses, newspaper, rotary, embossing, flat bed, magazine, linotype machines, cutters, folders	1.2	1.4	1.6
Pumps			
centrifugal, gear, rotary, pipeline	1.2	1.4	1.6
reciprocating	1.7	1.9	2.1
Rubber Plant Machinery	1.4	1.6	1.8
Saw Mill Machinery	1.4	1.6	1.8
Screens			
vibrating (shakers)	1.3	1.5	-
drum, conical	1.2	1.4	-
Textile Machinery			
looms, spinning frames, twistors	1.3	1.5	1.7
warpers, reels	1.2	1.4	-
Woodworking Machinery			
lathes, band saws	1.2	1.3	-
jointers, circular saws, planers	1.2	1.4	-

Table 3 Additional Service Factors

Operating Conditions	14 mm & 20 mm Belts Only	
	Smaller Sprocket Speed	
Add for each idler	Add 0.2	Up to 200 rpm Add 0.3
Add for 10 16 hr. service	Add 0.2	201 to 400 rpm Add 0.2
Add for 16 24 hr. service	Add 0.4	401 to 600 rpm Add 0.1

Speed-up Drives

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

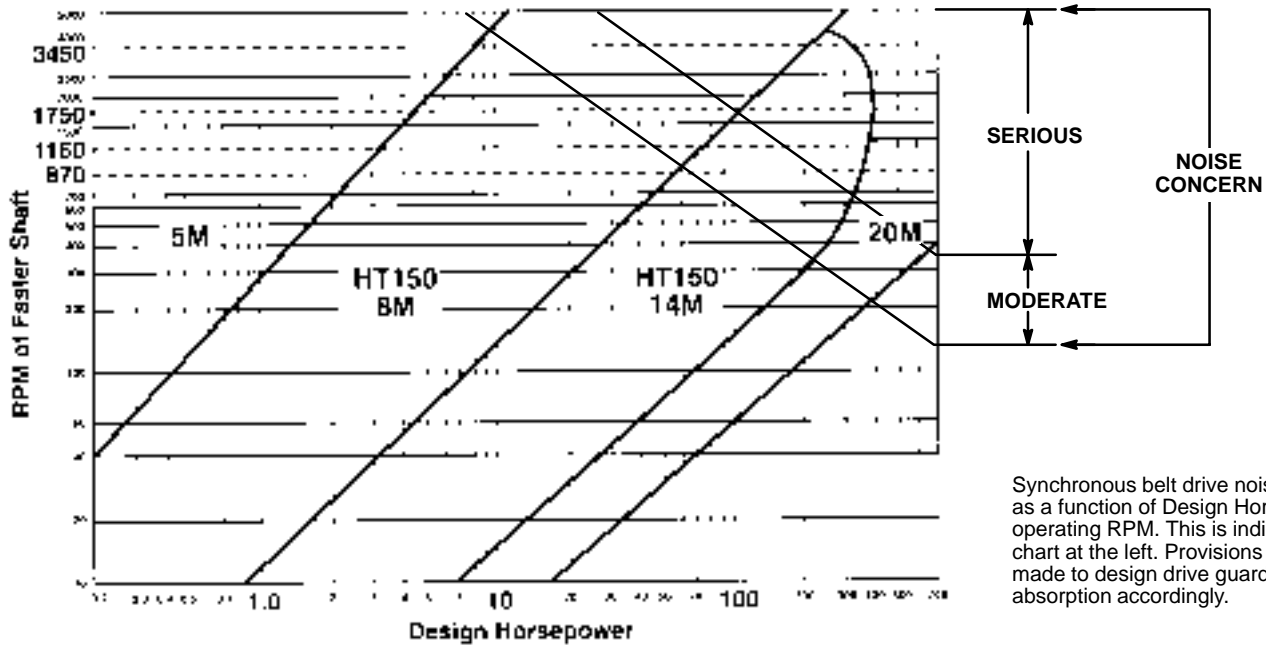
Speed-up Ratio Range	Additional Factor	Speed-up Ratio Range	Additional Factor
1 to 1.24	none	2.50 to 3.49	.30
1.25 to 1.74	.10	3.50 & over	.40
1.75 to 2.49	.20		

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.



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	7.2	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



HT150 Basic Horsepower Rating

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

8M-20	HT150 Horsepower Rating—20MM Wide Belt (0.79 in.)															
	RPM Small Spkt.	No. Teeth														
		22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.11	0.11	0.12	0.14	0.16	0.18	0.20	0.23
20	0.06	0.08	0.09	0.11	0.13	0.15	0.17	0.19	0.22	0.23	0.25	0.27	0.32	0.36	0.41	0.45
40	0.12	0.15	0.18	0.22	0.25	0.29	0.33	0.38	0.43	0.45	0.50	0.55	0.64	0.73	0.82	0.91
60	0.19	0.23	0.27	0.32	0.38	0.44	0.50	0.56	0.65	0.68	0.75	0.82	0.95	1.09	1.23	1.36
100	0.33	0.38	0.46	0.54	0.63	0.73	0.83	0.94	1.08	1.14	1.25	1.36	1.59	1.82	2.04	2.27
200	0.66	0.74	0.90	1.07	1.25	1.45	1.65	1.88	2.11	2.27	2.49	2.69	3.09	3.49	3.88	4.27
300	0.98	1.07	1.30	1.54	1.81	2.09	2.39	2.71	3.04	3.29	3.59	3.88	4.46	5.02	5.58	6.13
400	1.31	1.43	1.68	2.00	2.34	2.71	3.09	3.51	3.94	4.27	4.65	5.02	5.77	6.50	7.21	7.92
500	1.64	1.79	2.06	2.45	2.86	3.31	3.78	4.29	4.82	5.21	5.67	6.13	7.04	7.92	8.79	9.65
600	1.97	2.15	2.43	2.88	3.37	3.89	4.45	5.05	5.67	6.13	6.68	7.21	8.27	9.31	10.33	11.32
700	2.29	2.50	2.79	3.31	3.87	4.47	5.11	5.79	6.51	7.04	7.66	8.27	9.48	10.66	11.82	12.95
800	2.62	2.86	3.14	3.73	4.36	5.03	5.76	6.52	7.33	7.92	8.62	9.31	10.66	11.98	13.27	14.54
870	2.85	3.11	3.38	4.02	4.70	5.42	6.20	7.03	7.90	8.53	9.28	10.02	11.47	12.89	14.24	15.62
1000	3.27	3.57	3.87	4.55	5.31	6.14	7.02	7.95	8.93	9.65	10.49	11.32	12.95	14.54	16.08	17.58
1160	3.80	4.14	4.48	5.18	6.06	7.00	8.00	9.06	10.18	10.99	11.95	12.89	14.72	16.50	18.23	19.90
1200	3.93	4.28	4.64	5.34	6.24	7.21	8.24	9.33	10.48	11.32	12.31	13.27	15.16	16.99	18.75	20.47
1400	4.58	4.99	5.40	6.12	7.15	8.25	9.43	10.68	12.09	12.95	14.07	15.16	17.28	19.33	21.30	23.19
1600	5.22	5.69	6.16	6.87	8.03	9.27	10.59	11.99	13.47	14.54	15.77	16.99	19.33	21.58	23.72	25.75
1750	5.71	6.22	6.73	7.43	8.68	10.02	11.44	12.95	14.55	15.70	17.02	18.32	20.82	23.19	25.44	27.56
2000	6.51	7.09	7.67	8.41	9.74	11.24	12.83	14.52	16.3P	17.58	19.04	20.47	23.19	25.75	28.14	30.34
2400	7.79	8.48	9.16	10.04	11.37	13.11	14.96	16.92	18.99	20.47	22.12	23.72	26.73	29.48	31.97	34.17
2800	9.05	9.84	10.63	11.63	12.92	14.89	16.99	19.20	21.54	23.19	25.00	26.73	29.92	32.74	35.16	37.15
3200			12.06	13.19	14.40	16.59	18.91	21.36	23.94	25.75	27.67	29.48	32.74	35.47	37.63	
3500					15.55	17.80	20.27	22.89	25.64	27.56	29.54	31.38	34.59	37.15		
4000						19.69	22.41	25.27	28.28	30.34	32.36	34.17				
4500							24.35	27.44	30.67	32.83	34.80	36.49				
5000								29.36	32.77	35.00	36.83	38.29				
5500									34.58	36.83	38.41					
PD. MM	56.0	61.1	66.2	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	2.21	2.41	2.61	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-30	HT150 Horsepower Rating—30MM Wide Belt (1.18 in.)															
	RPM Small Spkt.	No. Teeth														
		22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.05	0.06	0.07	0.09	0.10	0.11	0.13	0.15	0.17	0.18	0.20	0.21	0.25	0.29	0.32	0.36
20	0.10	0.12	0.14	0.17	0.20	0.23	0.26	0.30	0.34	0.36	0.39	0.43	0.50	0.57	0.64	0.72
40	0.20	0.24	0.29	0.34	0.40	0.46	0.52	0.59	0.68	0.72	0.79	0.86	1.00	1.15	1.29	1.43
60	0.29	0.36	0.43	0.51	0.60	0.69	0.79	0.89	1.02	1.07	1.18	1.29	1.50	1.72	1.93	2.15
100	0.52	0.60	0.72	0.85	0.99	1.15	1.31	1.48	1.70	1.79	1.97	2.15	2.51	2.87	3.22	3.58
200	1.03	1.17	1.42	1.68	1.97	2.28	2.61	2.96	3.33	3.58	3.92	4.25	4.88	5.50	6.12	6.73
300	1.55	1.69	2.05	2.43	2.85	3.29	3.76	4.27	4.80	5.19	5.66	6.12	7.03	7.92	8.80	9.67
400	2.07	2.26	2.66	3.15	3.69	4.27	4.88	5.53	6.22	6.73	7.33	7.92	9.09	10.25	11.38	12.50
500	2.59	2.82	3.25	3.86	4.51	5.21	5.96	6.76	7.60	8.22	8.95	9.67	11.10	12.50	13.87	15.22
600	3.10	3.38	3.83	4.54	5.31	6.14	7.02	7.96	8.95	9.67	10.53	11.38	13.05	14.68	16.29	17.86
700	3.62	3.95	4.39	5.22	6.10	7.05	8.06	9.13	10.27	11.10	12.08	13.05	14.95	16.82	18.64	20.43
800	4.13	4.51	4.95	5.88	6.87	7.94	9.08	10.29	11.56	12.50	13.60	14.68	16.82	18.90	20.94	22.94
870	4.50	4.90	5.34	6.33	7.41	8.56	9.78	11.08	12.45	13.46	14.64	15.81	18.10	20.33	22.52	24.65
1000	5.16	5.63	6.10	7.17	8.38	9.68	11.07	12.54	14.09	15.22	16.55	17.86	20.43	22.94	25.38	27.75
1160	5.99	6.53	7.07	8.18	9.56	11.04	12.62	14.29	16.05	17.34	18.85	20.33	23.23	26.05	28.78	31.42
1200	6.19	6.75	7.31	8.42	9.85	11.37	13.00	14.72	16.54	17.86	19.42	20.94	23.92	26.81	29.61	32.32
1400	7.22	7.87	8.52	9.65	11.28	13.02	14.88	16.85	18.92	20.43	22.19	23.92	27.28	30.52	33.64	36.64
1600	8.24	8.98	9.72	10.85	12.67	14.63	16.71	18.92	21.25	22.94	24.89	26.81	30.52	34.08	37.47	40.71
1750	9.00	9.81	10.62	11.72	13.70	15.81	18.06	20.44	22.95	24.77	26.87	28.92	32.87	36.64	40.21	43.59
2000	10.27	11.19	12.10	13.27	15.37	17.73	20.25	22.91	25.73	27.75	30.07	32.32	36.64	40.71	44.51	48.04
2400	12.29	13.38	14.4F	15.84	17.95	20.70	23.62	26.72	29.98	32.32	34.94	37.47	42.26	46.66	50.66	54.22
2800	14.28	15.53	16.77	18.37	20.41	23.52	26.83	30.33	34.02	36.64	39.51	42.26	47.36	51.90	55.83	59.11
3200			19.05	20.84	22.75	26.21	29.88	33.75	37.84	40.71	43.77	46.66	51.90	56.34	59.91	
3500					24.57	28.13	32.05	36.19	40.55	43.59	46.75	49.70	54.90	59.11		
4000						31.14	35.45	40.00	44.77	48.04	51.28	54.22	59.11			
4500							38.57	43.46	48.59	52.05	55.24	58.01				
5000								46.57	52.00	55.57	58.57	61.02				
5500									54.96	58.57	61.23					
PD. MM	56.0	61.1	66.2	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	2.21	2.41	2.61	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

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

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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 Spkt.	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	10302		
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 Spkt.	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	37.13	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 394-395	SPECIFICATIONS: SPROCKETS PAGES 396-408	SPECIFICATIONS: BELTS PAGES 409-410	ENGINEERING/TECHNICAL PAGES 443-446
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SELECTION



HT150 Basic Horsepower Rating

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

14M-40		HT150 Horsepower Rating—40MM Wide Belt (1.57 in.)															
RPM Small Spkt.	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.37	0.38	0.39	0.42	0.46	0.54	0.63	0.75	0.83	0.90	0.98	1.05	1.13	1.20	1.28	1.35	1.57
20	0.73	0.76	0.78	0.83	0.92	1.08	1.26	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	3.13
40	1.46	1.51	1.56	1.67	1.83	2.16	2.52	3.00	3.31	3.61	3.91	4.21	4.51	4.81	5.11	5.41	6.27
60	2.19	2.27	2.35	2.50	2.75	3.25	3.78	4.51	4.96	5.41	5.86	6.31	6.76	7.21	7.66	8.11	9.40
100	3.65	3.78	3.91	4.17	4.58	5.41	6.30	7.51	8.26	9.01	9.76	10.51	11.26	12.02	12.77	13.52	15.67
200	7.30	7.56	7.82	8.34	9.16	10.82	12.60	14.69	16.12	18.02	19.52	21.01	22.51	24.01	25.51	27.00	31.29
300	10.01	10.52	11.08	11.96	13.73	16.22	18.25	19.74	21.54	25.62	29.25	31.49	33.73	35.97	38.20	40.44	45.81
400	12.29	13.03	13.81	14.89	17.16	21.60	22.44	24.19	26.28	30.87	38.87	38.74	42.96	44.61	46.88	49.30	54.11
500	14.39	15.35	16.35	16.65	20.32	25.37	26.24	28.22	30.55	35.51	44.15	44.28	48.73	50.50	53.02	55.70	61.03
600	16.34	17.52	18.73	19.27	23.27	28.72	29.73	31.90	34.43	39.65	48.74	49.15	53.71	55.55	58.24	61.12	66.84
700	18.17	19.57	20.98	21.77	26.05	31.82	32.96	35.30	37.99	43.39	52.77	53.44	58.03	59.89	62.71	65.74	71.71
800	19.92	21.52	23.12	24.17	28.69	34.70	35.97	38.46	41.28	46.79	56.33	57.24	61.79	63.63	66.52	69.63	75.73
870	21.10	22.83	24.56	25.80	30.44	36.61	37.96	40.54	43.43	48.99	58.57	59.64	64.11	65.91	68.83	71.96	78.08
1000	23.19	25.16	27.11	28.69	33.55	39.91	41.41	44.14	47.14	52.71	62.25	63.57	67.83	69.50	72.39	75.51	81.50
1160	25.64	27.86	30.05	32.05	37.10	43.61	45.28	48.15	51.23	56.71	65.98	67.54	71.42	72.84	75.59	78.54	84.06
1200	26.23	28.51	30.76	32.86	37.94	44.48	46.19	49.08	52.17	57.61	66.79	68.40	72.15	73.50	76.19	79.08	84.43
1400	29.08	31.61	34.11	36.71	41.90	48.48	50.37	53.37	56.45	61.61	70.14	71.86	74.93	75.79	78.05	80.47	84.63
1600	31.77	34.50	37.20	40.25	45.46	51.96	54.00	57.06	60.03	64.76	72.40	74.04	76.24	76.43	78.05	79.74	82.08
1750	33.71	36.53	39.35	42.71	47.88	54.25	56.38	59.44	62.27	66.59	73.42	74.86	76.30	75.87	76.84	77.80	
2000	36.82	39.69	42.62	46.41	51.43	57.47	59.71	62.69	65.15	68.63	73.84	74.66	74.63	72.93	72.51		
2400	41.66	44.20	47.07	51.31	55.85	61.14	63.37	66.05	67.55	69.27	71.32	70.31					
2800		48.25	50.63	54.87	58.72	62.98	64.99	67.12	67.16	66.61							
*3200				57.02	59.99	63.01	64.53	65.81									
*3500					59.93	61.91	62.84										
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-55		HT150 Horsepower Rating—55MM Wide Belt (2.17 in.)															
RPM Small Spkt.	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.53	0.54	0.56	0.60	0.66	0.78	0.91	1.08	1.19	1.30	1.41	1.51	1.62	1.73	1.84	1.95	2.26
20	1.05	1.09	1.13	1.20	1.32	1.56	1.81	2.16	2.38	2.59	2.81	3.03	3.24	3.46	3.68	3.89	4.51
40	2.10	2.18	2.25	2.40	2.64	3.11	3.63	4.32	4.76	5.19	5.62	6.05	6.49	6.92	7.35	7.78	9.02
60	3.15	3.26	3.38	3.60	3.95	4.67	5.44	6.49	7.13	7.78	8.43	9.08	9.73	10.38	11.02	11.67	13.53
100	5.25	5.44	5.63	6.00	6.59	7.79	9.07	10.81	11.89	12.97	14.05	15.13	16.21	17.29	18.37	19.45	22.54
200	10.50	10.88	11.25	11.25	13.17	15.57	18.13	21.14	23.20	25.93	28.09	30.24	32.40	34.55	36.71	38.86	45.03
300	14.41	15.14	15.94	15.78	19.75	23.34	26.26	28.40	30.99	36.86	42.09	45.32	48.54	51.76	54.98	58.19	65.93
400	17.69	18.75	19.88	19.98	24.69	31.09	32.29	34.82	37.83	44.43	55.93	55.75	61.82	64.20	67.47	70.94	77.87
500	20.70	22.09	23.53	23.96	29.24	36.50	37.76	40.61	43.96	51.10	63.53	63.73	70.13	72.68	76.30	80.15	87.83
600	23.51	25.21	26.96	27.73	33.49	41.33	42.78	45.91	49.54	57.06	70.14	70.73	77.30	79.94	83.82	87.96	96.19
700	26.15	28.17	30.20	31.33	37.49	45.79	47.43	50.80	54.67	62.44	75.95	76.91	83.52	86.19	90.25	94.60	103.2
800	28.67	30.97	33.27	34.79	41.28	49.94	51.76	55.34	59.40	67.34	81.07	82.38	88.92	91.56	95.73	100.2	109.0
870	30.36	32.85	35.34	37.12	43.81	52.68	54.62	58.34	62.50	70.50	84.29	85.83	92.26	94.85	99.05	103.6	112.4
1000	33.37	36.20	39.01	41.29	48.28	57.44	59.60	63.52	67.84	75.85	89.58	91.49	97.61	100.0	104.2	108.7	117.3
1160	36.89	40.09	43.25	46.13	53.38	62.76	65.17	69.29	73.72	81.61	94.95	97.20	102.8	104.8	108.8	113.0	121.0
1200	37.74	41.03	44.26	47.29	54.60	64.01	66.47	70.63	75.08	82.91	96.12	98.43	103.8	105.8	109.6	113.8	121.5
1400	41.84	45.49	49.09	52.83	60.30	69.76	72.49	76.81	81.24	88.66	100.9	103.4	107.8	109.1	112.3	115.8	121.8
1600	45.72	49.65	53.54	57.93	65.43	74.77	77.72	82.11	86.39	93.20	104.2	106.6	109.7	110.0	112.3	114.8	118.1
1750	48.51	52.57	56.62	61.46	68.90	78.07	81.14	85.54	89.61	95.83	105.7	107.7	109.8	109.2	110.6	112.0	
2000	52.98	57.12	61.33	66.79	74.01	82.71	85.92	90.22	93.76	98.77	106.3	107.4	105.0	104.3			
2400	59.96	63.60	67.74	73.83	80.38	87.98	91.19	95.06	97.21	99.69	102.6	101.2					
*2800		69.43	72.85	78.97	84.50	90.63	93.52	96.58	96.65	95.86							
*3200				82.06	86.33	90.68	92.86	94.71									
*3500					86.24	89.10	90.43										
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 394-395	SPECIFICATIONS: SPROCKETS PAGES 396-408	SPECIFICATIONS: BELTS PAGES 409-410	ENGINEERING/TECHNICAL PAGES 443-446
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SELECTION



HT150 Basic Horsepower Rating

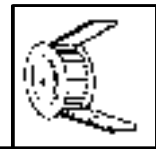
NOTE: Multiply rating by Belt Length Correction Factor Page from Ratio/Center Distance Tables.

14M-85	HT150 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	0.86	0.90	0.93	0.99	1.08	1.28	1.49	1.78	1.96	2.13	2.31	2.49	2.67	2.84	3.02	3.20	3.71
20	1.73	1.79	1.85	1.98	2.17	2.56	2.98	3.56	3.91	4.27	4.62	4.98	5.33	5.69	6.04	6.40	7.42
40	3.46	3.58	3.70	3.95	4.34	5.12	5.97	7.11	7.82	8.53	9.25	9.96	10.67	11.38	12.09	12.80	14.84
60	5.18	5.37	5.56	5.93	6.50	7.68	8.95	10.67	11.73	12.80	13.87	14.93	16.00	17.07	18.13	19.20	22.25
100	8.64	8.95	9.26	9.88	10.84	12.80	14.92	17.78	19.55	21.33	23.11	24.89	26.66	28.44	30.22	31.99	37.08
200	17.28	17.89	18.51	18.51	21.67	25.60	29.83	34.78	38.16	42.64	46.19	49.74	53.29	56.83	60.38	63.92	74.07
300	23.70	24.89	26.23	25.95	32.49	38.38	43.19	46.72	50.98	60.63	69.23	74.53	79.84	85.13	90.42	95.71	108.43
400	29.10	30.84	32.70	32.87	40.61	51.14	53.10	57.26	62.21	73.08	92.00	91.69	101.68	105.59	110.97	116.68	128.08
500	34.05	36.33	38.70	39.40	48.09	60.04	62.10	66.79	72.30	84.04	104.50	104.82	115.35	119.54	125.49	131.83	144.46
600	38.67	41.47	44.34	45.61	55.08	67.98	70.36	75.51	81.49	93.85	115.37	116.33	127.14	131.49	137.86	144.68	158.21
700	43.02	46.32	49.67	51.54	61.67	75.32	78.01	83.56	89.92	102.71	124.92	126.49	137.36	141.76	148.44	155.59	169.73
800	47.15	50.94	54.73	57.22	67.90	82.14	85.14	91.03	97.70	110.75	133.34	135.50	146.25	150.60	157.45	164.81	179.25
870	49.93	54.04	58.13	61.06	72.06	86.65	89.84	95.95	102.80	115.95	138.64	141.17	151.75	156.01	162.91	170.33	184.82
1000	54.89	59.55	64.16	67.91	79.41	94.47	98.03	104.47	111.58	124.76	147.33	150.47	160.55	164.51	171.35	178.72	192.90
1160	60.68	65.94	71.13	75.87	87.80	103.23	107.19	113.96	121.25	134.22	156.18	159.87	169.04	172.42	178.91	185.90	198.97
1200	62.08	67.48	72.80	77.78	89.80	105.28	109.33	116.17	123.49	136.36	158.09	161.89	170.78	173.98	180.33	187.17	199.84
1400	68.82	74.83	80.75	86.90	99.18	114.74	119.23	126.33	133.62	145.83	166.03	170.10	177.35	179.38	184.75	190.48	200.30
1600	75.20	81.66	88.05	95.28	107.61	122.98	127.83	135.05	142.09	153.29	171.37	175.26	180.46	180.91	184.74	188.74	194.29
1750	79.79	86.47	93.13	101.09	113.33	128.40	133.46	140.69	147.39	157.62	173.77	177.18	180.59	179.57	181.87	184.14	
*2000	87.14	93.94	100.87	109.85	121.72	136.04	141.32	148.39	154.21	162.45	174.78	176.72	176.66	172.62	171.63		
*2400	98.61	104.61	111.42	121.44	132.20	144.71	149.99	156.35	159.89	163.96	168.81	166.43					
*2800		114.20	119.83	129.88	138.99	149.07	153.82	158.86	158.97	157.67							
*3200			134.97	141.99	149.15	152.74	155.78										
*3500				141.85	146.55	148.73											
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	11.23	10.53	11.93	12.63	14.04

14M-115	HT150 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	1.22	1.26	1.31	1.40	1.53	1.81	2.11	2.51	2.76	3.01	3.27	3.52	3.77	4.02	4.27	4.52	5.24
20	2.44	2.53	2.62	2.79	3.06	3.62	4.22	5.02	5.53	6.03	6.53	7.03	7.54	8.04	8.54	9.04	10.48
40	4.88	5.06	5.23	5.58	6.13	7.24	8.43	10.05	11.05	12.06	13.06	14.07	15.07	16.07	17.08	18.08	20.96
60	7.32	7.59	7.85	8.37	9.19	10.85	12.65	15.07	16.58	18.08	19.59	21.10	22.60	24.11	25.62	27.12	31.44
100	12.21	12.64	13.08	13.95	15.31	18.09	21.08	25.11	27.63	30.14	32.65	35.16	37.67	40.18	42.69	45.20	52.38
200	24.41	25.28	26.15	26.14	30.61	36.17	42.14	49.13	53.91	60.25	65.26	70.27	75.28	80.29	85.29	90.30	104.64
300	33.49	35.17	37.05	36.66	45.89	54.22	61.02	66.00	72.02	85.66	97.80	105.30	112.79	120.27	127.75	135.21	153.19
400	41.11	43.57	46.19	46.44	57.37	72.24	75.02	80.90	87.89	103.24	129.97	129.54	143.64	149.17	156.77	164.84	180.95
500	48.10	51.33	54.68	55.66	67.94	84.82	87.73	94.36	102.15	118.72	147.63	148.08	162.96	168.88	177.28	186.24	204.08
600	54.63	58.59	62.64	64.43	77.82	96.03	99.40	106.68	115.12	132.58	162.98	164.34	179.61	185.75	194.76	204.39	223.51
700	60.77	65.44	70.16	72.81	87.12	106.40	110.21	118.05	127.03	145.09	176.47	178.70	194.06	200.27	209.70	219.81	239.78
800	66.61	71.96	77.31	80.83	95.92	116.04	120.28	128.60	138.03	156.46	188.37	191.42	206.61	212.76	222.43	232.83	253.23
870	70.54	76.34	82.12	86.25	101.80	122.41	126.92	135.55	145.23	163.81	195.86	199.44	214.38	220.40	230.15	240.64	261.10
1000	77.55	84.13	90.64	95.93	112.18	133.46	138.48	147.59	157.63	176.25	208.14	212.58	226.81	232.41	242.08	252.49	272.51
1160	85.72	93.16	100.49	107.18	124.04	145.83	151.42	161.00	171.30	189.62	220.64	225.86	238.80	243.58	252.75	262.63	281.09
1200	87.70	95.33	102.85	109.88	126.86	148.72	154.45	164.12	174.45	192.65	223.34	228.71	241.27	245.78	254.76	264.42	282.32
*1400	97.23	105.71	114.07	122.76	140.11	162.10	168.44	178.47	188.77	206.01	234.55	240.30	250.55	253.42	261.00	269.0.9	282.98
*1600	106.2	115.36	124.39	134.60	152.03	173.74	180.58	190.79	200.74	216.56	242.11	247.59	254.95	255.58	260.99	266.64	274.48
*1750	112.73	122.16	131.57	142.81	160.10	181.40	188.54	198.75	208.22	222.67	245.49	250.31	255.13	253.68	256.94	260.14	
*2000	123.11	132.72	142.50	155.19	171.96	192.18	199.64	209.63	217.86	229.50	246.92	249.66	249.57	243.87	242.46		
*2400	139.32	147.79	157.40	171.56	186.77	204.43	211.90	220.88	225.89	231.63	238.48	235.12					
*2800		161.33	169.28	183.48	196.35	210.59	217.31	224.42	224.58	222.74							
*3200			190.68	200.60	210.71	215.78	220.07										
*3500			200.39	207.03	210.11												
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.

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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.

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SELECTION



HTD Basic Horsepower Rating

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

5M-15	Horsepower Rating—15MM Wide Belt (.591 in.)												
	RPM Small Spkt.	No. Teeth											
		32	34	36	38	40	44	48	52	56	60	64	68	72
10	0.016	0.018	0.019	0.020	0.022	0.025	0.028	0.032	0.034	0.036	0.039	0.041	0.044
20	0.032	0.035	0.038	0.041	0.044	0.050	0.057	0.063	0.068	0.073	0.078	0.083	0.088
40	0.065	0.070	0.076	0.082	0.088	0.100	0.114	0.126	0.136	0.146	0.156	0.165	0.175
60	0.097	0.105	0.114	0.123	0.132	0.150	0.170	0.190	0.204	0.219	0.233	0.248	0.263
100	0.162	0.175	0.190	0.204	0.219	0.251	0.284	0.316	0.340	0.365	0.389	0.413	0.438
200	0.323	0.351	0.379	0.408	0.439	0.502	0.568	0.632	0.681	0.729	0.778	0.827	0.875
300	0.435	0.472	0.509	0.548	0.588	0.670	0.757	0.840	0.905	0.970	1.034	1.099	1.163
400	0.538	0.582	0.628	0.675	0.723	0.823	0.927	1.028	1.108	1.187	1.266	1.345	1.424
500	0.634	0.686	0.739	0.793	0.849	0.965	1.086	1.203	1.295	1.388	1.480	1.572	1.665
600	0.724	0.783	0.844	0.905	0.968	1.099	1.235	1.367	1.472	1.577	1.681	1.786	1.891
700	0.811	0.877	0.944	1.012	1.082	1.227	1.377	1.523	1.639	1.756	1.873	1.989	2.106
800	0.895	0.966	1.040	1.115	1.191	1.349	1.513	1.672	1.800	1.928	2.056	2.184	2.311
870	0.952	1.027	1.105	1.184	1.265	1.432	1.605	1.773	1.908	2.044	2.179	2.315	2.450
1000	1.054	1.137	1.223	1.310	1.398	1.581	1.770	1.953	2.103	2.252	2.401	2.550	2.698
1160	1.175	1.267	1.361	1.457	1.555	1.756	1.964	2.166	2.331	2.496	2.660	2.825	2.988
1400	1.348	1.453	1.559	1.668	1.779	2.006	2.240	2.467	2.654	2.841	3.027	3.213	3.397
1450	1.383	1.490	1.599	1.711	1.824	2.056	2.295	2.527	2.719	2.910	3.100	3.290	3.479
1600	1.485	1.600	1.717	1.836	1.956	2.204	2.458	2.704	2.908	3.112	3.314	3.516	3.717
1750	1.585	1.707	1.831	1.957	2.085	2.346	2.615	2.874	3.091	3.306	3.520	3.733	3.945
1800	1.618	1.742	1.868	1.996	2.127	2.393	2.666	2.930	3.150	3.369	3.587	3.803	4.018
2000	1.746	1.879	2.014	2.151	2.291	2.574	2.865	3.146	3.381	3.614	3.846	4.076	4.304
2500	2.050	2.203	2.359	2.517	2.676	3.000	3.330	3.648	3.914	4.178	4.438	4.695	4.948
3000	2.333	2.505	2.678	2.854	3.030	3.388	3.751	4.099	4.390	4.676	4.956	5.230	5.498
3600	2.649	2.839	3.031	3.225	3.419	3.810	4.203	4.576	4.887	5.188	5.479	5.760	6.030
5000	3.293	3.516	3.738	3.959	4.178	4.611	5.034	5.422	5.728	6.009	6.263	6.490	6.686
8000	4.247	4.473	4.687	4.887	5.073	5.396	5.647						
10000	4.526	4.692	4.831	4.941									
12000	4.471												
PD: MM	50.93	54.11	57.30	60.48	63.66	70.03	76.39	82.76	89.13	95.49	101.86	108.23	114.59
INCHES	2.005	2.130	2.256	2.381	2.506	2.757	3.008	3.258	3.509	3.760	4.010	4.261	4.511

5M-25	Horsepower Rating—25MM Wide Belt (.984 in.)												
	RPM Small Spkt.	No. Teeth											
		32	34	36	38	40	44	48	52	56	60	64	68	72
10	0.029	0.031	0.034	0.036	0.039	0.045	0.051	0.056	0.061	0.065	0.070	0.074	0.078
20	0.058	0.063	0.068	0.073	0.078	0.090	0.101	0.113	0.122	0.130	0.139	0.148	0.156
40	0.116	0.125	0.136	0.146	0.157	0.179	0.203	0.226	0.243	0.261	0.278	0.295	0.313
60	0.173	0.188	0.203	0.219	0.235	0.269	0.304	0.339	0.365	0.391	0.417	0.443	0.469
100	0.289	0.313	0.339	0.365	0.392	0.448	0.507	0.565	0.608	0.652	0.695	0.738	0.782
200	0.578	0.627	0.678	0.730	0.784	0.896	1.015	1.129	1.216	1.303	1.390	1.477	1.564
300	0.778	0.843	0.910	0.979	1.050	1.197	1.352	1.502	1.617	1.732	1.848	1.963	2.079
400	0.961	1.041	1.122	1.206	1.292	1.470	1.657	1.838	1.979	2.120	2.261	2.403	2.544
500	1.132	1.225	1.320	1.418	1.517	1.724	1.940	2.149	2.314	2.479	2.644	2.809	2.974
600	1.295	1.400	1.507	1.618	1.730	1.964	2.207	2.442	2.630	2.817	3.005	3.192	3.379
700	1.450	1.566	1.686	1.808	1.934	2.192	2.460	2.721	2.930	3.138	3.347	3.555	3.763
800	1.599	1.727	1.858	1.992	2.129	2.411	2.703	2.987	3.216	3.445	3.674	3.902	4.131
870	1.700	1.836	1.975	2.116	2.261	2.559	2.868	3.168	3.410	3.653	3.895	4.137	4.379
1000	1.883	2.032	2.185	2.340	2.499	2.825	3.163	3.491	3.758	4.025	4.291	4.557	4.823
1160	2.099	2.264	2.433	2.604	2.779	3.139	3.511	3.871	4.166	4.461	4.755	5.049	5.342
1400	2.408	2.596	2.787	2.981	3.179	3.585	4.004	4.409	4.744	5.078	5.412	5.744	6.075
1450	2.471	2.663	2.858	3.057	3.260	3.675	4.103	4.517	4.860	5.202	5.543	5.883	6.221
1600	2.655	2.860	3.068	3.281	3.497	3.939	4.393	4.834	5.199	5.564	5.927	6.288	6.648
1750	2.833	3.051	3.273	3.498	3.726	4.194	4.674	5.139	5.526	5.912	6.296	6.677	7.057
1800	2.892	3.114	3.339	3.569	3.801	4.277	4.766	5.239	5.633	6.025	6.416	6.804	7.190
2000	3.121	3.359	3.601	3.846	4.095	4.603	5.123	5.626	6.047	6.466	6.881	7.294	7.703
2500	3.665	3.940	4.218	4.500	4.786	5.366	5.957	6.527	7.006	7.480	7.948	8.411	8.867
3000	4.173	4.480	4.791	5.105	5.422	6.065	6.715	7.340	7.865	8.380	8.886	9.382	9.867
3600	4.739	5.081	5.426	5.773	6.122	6.826	7.532	8.206	8.768	9.314	9.844	10.357	10.851
5000	5.902	6.303	6.704	7.104	7.501	8.287	9.055	9.765	10.331	10.855	11.336	11.749	12.153
8000	7.663	8.081	8.480	8.856	9.208	9.834	10.340						
10000	8.232	8.557	8.838	9.071									
12000	8.238												
PD: MM	50.93	54.11	57.30	60.48	63.66	70.03	76.39	82.76	89.13	95.49	101.86	108.23	114.59
INCHES	2.005	2.130	2.256	2.381	2.506	2.757	3.008	3.258	3.509	3.760	4.010	4.261	4.511

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

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SELECTION



HT100 Basic Horsepower Rating

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

8M-20		HT100 Horsepower Rating—20MM Wide Belt (.79 in.)															
RPM		No. Teeth															
Small Spkt.	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
10	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.11	0.12	0.14	0.15	
20	0.04	0.05	0.06	0.07	0.08	0.10	0.10	0.11	0.13	0.14	0.15	0.17	0.21	0.24	0.27	0.30	
40	0.08	0.10	0.12	0.14	0.17	0.19	0.22	0.25	0.29	0.30	0.33	0.36	0.42	0.48	0.55	0.61	
60	0.12	0.15	0.18	0.22	0.25	0.29	0.33	0.38	0.43	0.45	0.50	0.55	0.64	0.73	0.82	0.91	
100	0.22	0.25	0.30	0.36	0.42	0.48	0.55	0.63	0.72	0.76	0.83	0.91	1.06	1.21	1.36	1.51	
200	0.44	0.50	0.60	0.71	0.83	0.96	1.10	1.25	1.41	1.51	1.66	1.79	2.06	2.33	2.59	2.84	
300	0.66	0.72	0.87	1.03	1.20	1.39	1.59	1.80	2.03	2.20	2.39	2.59	2.97	3.35	3.72	4.09	
400	0.87	0.95	1.12	1.33	1.56	1.80	2.06	2.34	2.63	2.84	3.10	3.35	3.84	4.33	4.81	5.28	
500	1.09	1.19	1.37	1.63	1.91	2.20	2.52	2.86	3.21	3.47	3.78	4.09	4.69	5.28	5.86	6.43	
600	1.31	1.43	1.62	1.92	2.25	2.60	2.97	3.36	3.78	4.09	4.45	4.81	5.51	6.21	6.88	7.55	
700	1.53	1.67	1.86	2.20	2.58	2.98	3.41	3.86	4.34	4.69	5.11	5.51	6.32	7.11	7.88	8.64	
800	1.75	1.91	2.09	2.48	2.91	3.36	3.84	4.35	4.89	5.28	5.75	6.21	7.11	7.99	8.85	9.69	
870	1.90	2.07	2.26	2.68	3.13	3.62	4.13	4.68	5.26	5.69	6.19	6.68	7.65	8.59	9.51	10.41	
1000	2.18	2.38	2.58	3.03	3.54	4.09	4.68	5.30	5.95	6.43	7.00	7.55	8.64	9.69	10.72	11.72	
1160	2.53	2.76	2.99	3.46	4.04	4.67	5.33	6.04	6.79	7.33	7.97	8.59	9.82	11.00	12.15	13.27	
1200	2.62	2.85	3.09	3.56	4.16	4.81	5.49	6.22	6.99	7.55	8.20	8.85	10.11	11.32	12.50	13.64	
1400	3.05	3.33	3.60	4.08	4.77	5.50	6.29	7.12	8.01	8.64	9.38	10.11	11.52	12.89	14.20	15.46	
1600	3.48	3.80	4.11	4.58	5.36	6.18	7.06	7.99	8.98	9.69	10.52	11.32	12.89	14.38	15.81	17.17	
1750	3.81	4.15	4.49	4.95	5.79	6.68	7.63	8.64	9.70	10.47	11.35	12.21	13.88	15.46	16.96	18.37	
2000	4.34	4.73	5.11	5.61	6.49	7.49	8.55	9.68	10.87	11.72	12.70	13.64	15.46	17.17	18.76	20.23	
2400	5.19	5.65	6.11	6.69	7.58	8.74	9.97	11.28	12.66	13.64	14.75	15.81	17.82	19.66	21.31	22.78	
2800	6.03	6.56	7.08	7.75	8.62	9.93	11.33	12.80	14.36	15.46	16.67	17.82	19.94	21.83	23.44	24.77	
3200			8.04	8.79	9.60	11.06	12.61	14.24	15.96	17.17	18.45	19.66	21.83	23.65	25.09		
3500					10.36	11.86	13.52	15.26	17.10	18.37	19.69	20.92	23.06	24.77			
4000						13.12	14.94	16.85	18.86	20.23	21.57	22.78	24.77				
4500							16.23	18.29	20.44	21.89	23.20	24.33					
5000								19.57	21.85	23.33	24.55	25.52					
5500									23.05	24.55	25.61						
PD: MM	56.0	61.1	66.2	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	2.21	2.41	2.61	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-30		HT100 Horsepower Rating—30MM Wide Belt (1.18 in.)															
RPM		No. Teeth															
Small Spkt.	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
10	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.17	0.19	0.21	0.24	
20	0.07	0.08	0.10	0.11	0.13	0.15	0.17	0.20	0.23	0.24	0.26	0.29	0.33	0.38	0.43	0.48	
40	0.13	0.16	0.19	0.23	0.26	0.31	0.35	0.40	0.45	0.48	0.53	0.57	0.67	0.76	0.86	0.96	
60	0.20	0.24	0.29	0.34	0.40	0.46	0.52	0.59	0.68	0.72	0.79	0.86	1.00	1.15	1.29	1.43	
100	0.34	0.40	0.48	0.57	0.66	0.76	0.87	0.99	1.13	1.19	1.31	1.43	1.67	1.91	2.15	2.39	
200	0.69	0.78	0.94	1.12	1.31	1.52	1.74	1.97	2.22	2.39	2.62	2.83	3.25	3.67	4.08	4.48	
300	1.03	1.13	1.37	1.62	1.90	2.19	2.51	2.85	3.20	3.46	3.77	4.08	4.69	5.28	5.87	6.45	
400	1.38	1.50	1.77	2.10	2.46	2.84	3.25	3.69	4.15	4.48	4.89	5.28	6.06	6.83	7.59	8.33	
500	1.72	1.88	2.17	2.57	3.01	3.48	3.98	4.51	5.07	5.48	5.97	6.45	7.40	8.33	9.25	10.15	
600	2.07	2.26	2.55	3.03	3.54	4.09	4.68	5.31	5.96	6.45	7.02	7.59	8.70	9.79	10.86	11.91	
700	2.41	2.63	2.93	3.48	4.07	4.70	5.37	6.09	6.84	7.40	8.05	8.70	9.97	11.21	12.43	13.62	
800	2.76	3.01	3.30	3.92	4.58	5.29	6.05	6.86	7.71	8.33	9.06	9.79	11.21	12.60	13.96	15.29	
870	3.00	3.27	3.56	4.22	4.94	5.70	6.52	7.39	8.30	8.97	9.76	10.54	12.07	13.56	15.01	16.43	
1000	3.44	3.76	4.07	4.78	5.59	6.45	7.38	8.36	9.39	10.15	11.03	11.91	13.62	15.29	16.92	18.50	
1160	3.99	4.35	4.71	5.45	6.37	7.36	8.41	9.52	10.70	11.56	12.57	13.56	15.49	17.36	19.18	20.95	
1200	4.13	4.50	4.87	5.62	6.57	7.58	8.66	9.81	11.03	11.91	12.94	13.96	15.95	17.87	19.74	21.55	
1400	4.81	5.25	5.68	6.43	7.52	8.68	9.92	11.23	12.62	13.62	14.80	15.95	18.19	20.35	22.43	24.43	
1600	5.49	5.99	6.48	7.23	8.45	9.75	11.14	12.61	14.17	15.29	16.60	17.87	20.35	22.72	24.98	27.14	
1750	6.00	6.54	7.08	7.82	9.13	10.54	12.04	13.63	15.30	16.51	17.91	19.28	21.91	24.43	26.81	29.06	
2000	6.85	7.46	8.07	8.85	10.25	11.82	13.50	15.28	17.15	18.50	20.04	21.55	24.43	27.14	29.67	32.03	
2400	8.19	8.92	9.64	10.56	11.96	13.80	15.75	17.81	19.99	21.55	23.29	24.98	28.17	31.11	33.77	36.15	
2800	9.52	10.35	11.18	12.24	13.60	15.68	17.89	20.22	22.68	24.43	26.34	28.17	31.57	34.60	37.22	39.40	
3200			12.70	13.89	15.17	17.47	19.92	22.50	25.22	27.14	29.18	31.11	34.60	37.56	39.94		
3500					16.38	18.75	21.37	24.13	27.03	29.06	31.17	33.13	36.60	39.40			
4000						20.76	23.64	26.66	29.85	32.03	34.19	36.15	39.40				
4500							25.71	28.98	32.40	34.70	36.83	38.67					
5000								31.05	34.67	37.04	39.05	40.68					
5500									36.64	39.05	40.82						
PD: MM	56.0	61.1	66.2	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	2.21	2.41	2.61	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	

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

FEATURES/BENEFITS PAGES 394-395	SPECIFICATIONS: SPROCKETS PAGES 396-408	SPECIFICATIONS: BELTS PAGES 409-410	ENGINEERING/TECHNICAL PAGES 443-446
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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 (1.18 in.)											
RPM Small Spkt.	No. Teeth												
	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	6.14	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 Small Spkt.	No. Teeth									
	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 394-395	SPECIFICATIONS: SPROCKETS PAGES 396-408	SPECIFICATIONS: BELTS PAGES 409-410	ENGINEERING/TECHNICAL PAGES 443-446
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SELECTION



HT100 Basic Horsepower Rating

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

14M-40		HT100 Horsepower Rating—40MM Wide Belt (1.57 in.)															
RPM Small Spkt.	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.24	0.25	0.26	0.28	0.31	0.36	0.42	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	1.04
20	0.49	0.50	0.52	0.56	0.61	0.72	0.84	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	2.09
40	0.97	1.01	1.04	1.11	1.22	1.44	1.68	2.00	2.20	2.40	2.60	2.80	3.00	3.20	3.41	3.61	4.18
60	1.46	1.51	1.56	1.67	1.83	2.16	2.52	3.00	3.30	3.61	3.91	4.21	4.51	4.81	5.11	5.41	6.27
100	2.43	2.52	2.61	2.78	3.05	3.61	4.20	5.01	5.51	6.01	6.51	7.01	7.51	8.01	8.51	9.01	10.44
200	4.87	5.04	5.21	5.21	6.10	7.21	8.40	9.79	10.75	12.01	13.01	14.01	15.01	16.01	17.01	18.00	20.86
300	6.68	7.01	7.39	7.31	9.15	10.81	12.16	13.16	14.36	17.08	19.50	20.99	22.49	23.98	25.47	26.96	30.54
400	8.20	8.69	9.21	9.26	11.44	14.40	14.96	16.13	17.52	20.58	25.91	25.83	28.64	29.74	31.26	32.86	36.08
540	9.59	10.23	10.90	11.10	13.54	16.91	17.49	18.81	20.36	23.67	29.43	29.52	32.49	33.67	35.34	37.13	40.69
600	10.89	11.68	12.49	12.85	15.52	19.15	19.82	21.27	22.95	26.43	32.49	32.76	35.81	37.03	38.83	40.75	44.56
700	12.12	13.05	13.99	14.52	17.37	21.21	21.97	23.54	25.33	28.93	35.18	35.63	38.69	39.93	41.81	43.82	47.80
800	13.28	14.35	15.41	16.12	19.12	23.14	23.98	25.64	27.52	31.19	37.56	38.16	41.19	42.42	44.35	46.42	50.49
870	14.06	15.22	16.37	17.20	20.30	24.40	25.31	27.02	28.95	32.66	39.05	39.76	42.74	43.94	45.89	47.98	52.06
1000	15.46	16.77	18.07	19.13	22.37	26.61	27.61	29.42	31.43	35.14	41.50	42.38	45.22	46.34	48.26	50.34	54.33
1160	17.09	18.57	20.03	21.37	24.73	29.07	30.19	32.10	34.15	37.80	43.99	45.03	47.61	48.56	50.39	52.36	56.04
1200	17.48	19.01	20.51	21.91	25.29	29.65	30.79	32.72	34.78	38.41	44.53	45.60	48.10	49.00	50.79	52.72	56.29
1400	19.38	21.08	22.74	24.48	27.93	32.32	33.58	35.58	47.64	41.07	46.76	47.91	49.95	50.52	52.03	53.65	56.42
1600	21.18	23.00	24.80	26.84	30.31	34.64	36.00	38.04	40.02	43.18	48.27	49.36	50.83	50.96	52.03	53.16	54.72
1750	22.47	24.36	26.23	28.47	31.92	36.17	37.59	39.63	41.51	44.39	48.94	49.90	50.86	50.58	51.23	51.86	
2000	24.54	26.46	28.41	30.94	34.28	38.32	39.80	41.79	43.43	45.76	49.23	49.77	49.76	48.62	48.34		
2400	27.78	29.46	31.38	34.20	37.24	40.76	42.25	44.04	45.04	46.18	47.55	46.88					
2800		32.17	33.75	36.58	39.15	41.99	43.33	44.74	44.77	44.41							
*3200				38.02	39.99	42.01	43.02	43.88									
*3500				39.95	39.95	41.28	41.89										
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-55		HT100 Horsepower Rating—55MM Wide Belt (2.17 in.)															
RPM Small Spkt.	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
10	0.35	0.36	0.38	0.40	0.44	0.52	0.60	0.72	0.79	0.86	0.94	1.01	1.08	1.15	1.23	1.30	1.50
20	0.70	0.73	0.75	0.80	0.88	1.04	1.21	1.44	1.59	1.73	1.87	2.02	2.16	2.31	2.45	2.59	3.01
40	1.40	1.45	1.50	1.60	1.76	2.08	2.42	2.88	3.17	3.46	3.75	4.04	4.32	4.61	4.90	5.19	6.01
60	2.10	2.18	2.25	2.40	2.64	3.11	3.63	4.32	4.76	5.19	5.62	6.05	6.49	6.92	7.35	7.78	9.02
100	3.50	3.63	3.75	4.00	4.39	5.19	6.05	7.21	7.93	8.65	9.37	10.09	10.81	11.53	12.25	12.97	15.03
200	7.00	7.25	7.50	7.50	8.78	10.38	12.09	14.10	15.47	17.29	18.72	20.16	21.60	23.04	24.47	25.91	30.02
300	9.61	10.09	10.63	10.52	13.17	15.56	17.51	18.94	20.66	24.58	28.06	30.21	32.36	34.51	36.65	38.79	43.95
400	11.80	12.50	13.25	13.32	16.46	20.73	21.52	23.21	25.22	29.62	37.29	37.17	41.21	42.80	44.98	47.29	51.92
500	13.80	14.73	15.69	15.97	19.49	24.34	25.17	27.07	29.31	34.06	42.36	42.49	46.75	48.45	50.86	53.43	58.55
600	15.67	16.81	17.97	18.49	22.33	27.55	28.52	30.61	33.03	38.04	46.76	47.15	51.53	53.29	55.88	58.64	64.13
700	17.44	18.78	20.13	20.89	25.00	30.53	31.62	33.87	36.45	41.63	50.63	51.27	55.68	57.46	60.17	63.07	68.80
800	19.11	20.65	22.18	23.19	27.52	33.29	34.51	36.90	39.60	44.89	54.05	54.92	59.28	61.04	63.82	66.80	72.66
870	20.24	21.90	23.56	24.75	29.21	35.12	36.42	38.89	41.67	47.00	56.19	57.22	61.51	63.24	66.03	69.04	74.91
1000	22.25	24.14	26.01	27.52	32.19	38.29	39.73	42.34	45.23	50.57	59.72	60.99	65.07	66.68	69.45	72.44	78.19
1160	24.60	26.73	28.83	30.75	35.59	41.84	43.45	46.19	49.15	54.40	63.30	64.80	68.51	69.89	72.52	75.35	80.65
1200	25.16	27.35	29.51	31.53	36.40	42.67	44.31	47.09	50.05	55.27	64.08	65.62	69.22	70.52	73.09	75.87	81.00
1400	27.90	30.33	32.73	35.22	40.20	46.51	48.33	51.21	54.16	59.11	67.30	68.95	71.89	72.71	74.88	77.21	81.19
1600	30.48	33.10	35.69	38.62	43.62	49.85	51.81	54.74	57.59	62.13	69.46	71.04	73.15	73.33	74.88	76.50	78.75
1750	32.34	35.05	37.75	40.97	45.94	52.04	54.09	57.02	59.74	63.89	70.43	71.82	73.20	72.79	73.72	74.64	
2000	35.32	38.08	40.89	44.53	49.34	55.14	57.28	60.15	62.51	65.85	70.84	71.63	71.60	69.97	69.57		
2400	39.97	42.40	45.16	49.22	53.59	58.65	60.80	63.37	64.81	66.46	68.42	67.46					
*2800		46.29	48.57	52.64	56.34	60.42	62.35	64.39	64.43	63.91							
*3200				54.71	57.55	60.45	61.91	63.14									
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

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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	114.4		
*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	.91	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	53.5J	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	85.1B	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	178.8
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	1637	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	161.6		
*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

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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	68.78	75.06	89.27	101.9	109.7	117.5	125.3	133.1	140.9	159.6
400	75.29	78.19	84.31	91.60	107.6	135.5	135.0	149.7	155.5	163.4	171.8	188.6
500	88.40	91.43	98.34	106.5	123.7	153.9	154.3	169.8	176.0	184.8	194.1	212.7
600	100.1	103.6	111.2	120.0	138.2	169.9	171.3	187.2	193.6	203.0	213.0	232.9
700	110.9	114.9	123.0	132.4	151.2	183.9	186.2	202.2	208.7	218.5	229.1	249.9
800	120.9	125.3	134.0	143.8	163.1	196.3	199.5	215.3	221.7	231.8	242.6	263.9
870	127.6	132.3	141.3	151.4	170.7	204.1	207.9	223.4	229.7	239.9	250.8	272.1
1000	139.1	144.3	153.8	164.3	183.7	216.9	221.5	236.4	242.2	252.3	263.1	284.0
1160	152.0	157.8	167.8	178.5	197.6	229.9	235.4	248.9	253.9	263.4	273.7	292.9
†1200	155.0	161.0	171.0	181.8	200.8	232.8	238.4	251.4	256.1	265.5	275.6	294.2
†1400	168.9	175.5	186.0	196.7	214.7	244.4	250.4	261.1	264.1	272.0	280.4	294.9
†1600	181.1	188.2	198.8	209.2	225.7	252.3	258.0	265.7	266.4	272.0	277.9	286.1
†1750	189.0	196.5	207.1	217.0	232.1	255.8	260.9	265.9	264.4	267.8	271.1	
†2000	200.3	208.1	218.5	227.0	239.2	257.3	260.2	260.1	254.2	252.7		
†2400	213.1	220.8	230.2	235.4	241.4	248.5	245.0					
†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	272.4	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									
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 412 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.

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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	

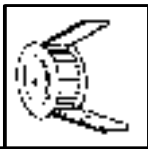
20M-230		Horsepower Rating—230MM Wide Belt (9.06 in.)											
RPM Small Spkt.	No. Teeth												
	38	40	44	48	52	56	60	64	68	72	80	90	
*10	6.6	7.0	7.8	8.5	9.2	10.0	10.5	11.1	11.6	12.2	13.2	14.5	
*20	13.2	14.1	15.6	17.1	18.5	19.9	21.1	22.2	23.3	24.3	26.4	29.0	
*30	19.8	21.1	23.5	25.6	27.7	29.9	31.6	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 412 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.

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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 412 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.

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SELECTION



5MM 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.	350	375	400	425	450	475	500	535	565	600	635	670	710	740	800	850	890	950	1000	1050	1125	1195	
Belt Length Factor→					0.8				.09				1.0				1.1				1.2						
1.00	32	2.005	32	2.005	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.4	8.0	8.7	9.4	10.0	10.8	11.4	12.6	13.6	14.4	15.6	16.5	17.5	19.0	20.4	
1.00	34	2.130	34	2.130	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.2	7.8	8.5	9.2	9.8	10.6	11.2	12.4	13.4	14.2	15.4	16.3	17.3	18.8	20.2	
1.00	36	2.256	36	2.256	3.3	3.8	4.3	4.8	5.3	5.8	6.3	7.0	7.6	8.3	9.0	9.6	10.4	11.0	12.2	13.2	14.0	15.2	16.1	17.1	18.6	20.0	
1.00	38	2.381	38	2.381	3.2	3.6	4.1	4.6	5.1	5.6	6.1	6.8	7.4	8.1	8.8	9.5	10.2	10.8	12.0	13.0	13.8	15.0	15.9	16.9	18.4	19.8	
1.00	40	2.506	40	2.506	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.6	7.2	7.9	8.6	9.3	10.0	10.6	11.8	12.8	13.6	14.8	15.8	16.7	18.2	19.6	
1.00	44	2.757	44	2.757	...	...	3.5	4.0	4.5	5.0	5.5	6.2	6.8	7.5	8.2	8.9	9.6	10.2	11.4	12.4	13.2	14.4	15.4	16.3	17.8	19.2
1.00	48	3.008	48	3.008	...	...	...	3.6	4.1	4.6	5.1	5.8	6.4	7.1	7.8	8.5	9.3	9.8	11.0	12.0	12.8	14.0	15.0	15.9	17.4	18.8
1.00	52	3.258	52	3.258	...	...	...	...	3.7	4.2	4.7	5.4	6.0	6.7	7.4	8.1	8.9	9.5	10.6	11.6	12.4	13.6	14.6	15.6	17.0	18.4
1.00	56	3.509	56	3.509	...	...	...	...	...	...	4.3	5.0	5.6	6.3	7.0	7.7	8.5	9.1	10.2	11.2	12.0	13.2	14.2	15.2	16.6	18.0
1.00	60	3.760	60	3.760	...	...	...	...	...	...	...	4.6	5.2	5.9	6.6	7.3	8.1	8.7	9.8	10.8	11.6	12.8	13.8	14.8	16.2	17.6
1.00	64	4.010	64	4.010	...	...	...	...	...	...	...	...	4.8	5.5	6.2	6.9	7.7	8.3	9.5	10.4	11.2	12.4	13.4	14.4	15.8	17.2
1.00	68	4.261	68	4.261	...	...	...	...	...	...	...	...	...	5.1	5.8	6.5	7.3	7.9	9.1	10.0	10.8	12.0	13.0	14.0	15.5	16.8
1.00	72	4.511	72	4.511	...	...	...	...	...	...	...	...	...	...	5.4	6.1	6.9	7.5	8.7	9.6	10.4	11.6	12.6	13.6	15.1	16.4
1.05	38	2.381	40	2.506	3.1	3.5	4.0	4.5	5.0	5.5	6.0	6.7	7.3	8.0	8.7	9.4	10.1	10.7	11.9	12.9	13.7	14.9	15.8	16.8	18.3	19.7	
1.06	36	2.256	38	2.381	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.9	7.5	8.2	8.9	9.5	10.3	10.9	12.1	13.1	13.9	15.1	16.0	17.0	18.5	19.9	
1.06	34	2.130	36	2.256	3.4	3.9	4.4	4.9	5.4	5.9	6.4	7.1	7.7	8.4	9.1	9.7	10.5	11.1	12.3	13.3	14.1	15.3	16.2	17.2	18.7	20.1	
1.06	68	4.261	72	4.511	...	...	...	...	...	...	...	...	...	4.9	5.6	6.3	7.1	7.7	8.9	9.8	10.6	11.8	12.8	13.8	15.3	16.6
1.06	32	2.005	34	2.130	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.3	7.9	8.6	9.3	9.9	10.7	11.3	12.5	13.5	14.3	15.5	16.4	17.4	18.9	20.3	
1.06	64	4.010	68	4.261	4.6	5.3	6.0	6.7	7.5	8.1	9.3	10.2	11.0	12.2	13.2	14.2	15.7	17.0
1.07	60	3.760	64	4.010	...	...	...	...	...	...	...	4.4	5.0	5.7	6.4	7.1	7.9	8.5	9.6	10.6	11.4	12.6	13.6	14.6	16.0	17.4
1.07	56	3.509	60	3.760	...	...	...	...	...	...	4.1	4.8	5.4	6.1	6.8	7.5	8.3	8.9	10.0	11.0	11.8	13.0	14.0	15.0	16.4	17.8
1.08	52	3.258	56	3.509	...	...	...	...	...	4.0	4.5	5.2	5.8	6.5	7.2	7.9	8.7	9.3	10.4	11.4	12.2	13.4	14.4	15.4	16.8	18.2
1.08	48	3.008	52	3.258	...	...	...	...	3.9	4.4	4.9	5.6	6.2	6.9	7.6	8.3	9.1	9.6	10.8	11.8	12.6	13.8	14.8	15.7	17.2	18.6
1.09	44	2.757	48	3.008	...	...	3.3	3.8	4.3	4.8	5.3	6.0	6.6	7.3	8.0	8.7	9.5	10.0	11.2	12.2	13.0	14.2	15.2	16.1	17.6	19.0
1.10	40	2.506	44	2.757	...	3.2	3.7	4.2	4.7	5.2	5.7	6.4	7.0	7.7	8.4	9.1	9.8	10.4	11.6	12.6	13.4	14.6	15.6	16.5	18.0	19.4	
1.11	36	2.256	40	2.506	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.8	7.4	8.1	8.8	9.4	10.2	10.8	12.0	13.0	13.8	15.0	15.9	16.9	18.4	19.8	
1.11	72	4.511	80	5.013	...	...	...	...	...	...	...	...	...	...	...	5.7	6.5	7.1	8.3	9.3	10.0	11.2	12.2	13.2	14.7	16.0
1.12	34	2.130	38	2.381	3.3	3.8	4.3	4.8	5.3	5.8	6.3	7.0	7.6	8.3	9.0	9.6	10.4	11.0	12.2	13.2	14.0	15.2	16.1	17.1	18.6	20.0	
1.13	32	2.005	36	2.256	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.2	7.8	8.5	9.2	9.8	10.6	11.2	12.4	13.4	14.2	15.4	16.3	17.3	18.8	20.2	
1.13	64	4.010	72	4.511	...	...	...	...	...	...	...	...	...	5.1	5.8	6.5	7.3	7.9	9.1	10.0	10.8	12.0	13.0	14.0	15.5	16.8
1.13	60	3.760	68	4.261	...	...	...	...	...	...	...	...	4.8	5.5	6.2	6.9	7.7	8.3	9.4	10.4	11.2	12.4	13.4	14.4	15.8	17.2
1.14	56	3.509	64	4.010	...	...	...	...	...	...	4.6	5.2	5.9	6.6	7.3	8.1	8.7	9.8	10.8	11.6	12.8	13.8	14.8	16.2	17.6	
1.15	52	3.258	60	3.760	...	...	...	...	...	...	4.3	5.0	5.6	6.3	7.0	7.7	8.5	9.1	10.2	11.2	12.0	13.2	14.2	15.2	16.6	18.0
1.16	38	2.381	44	2.757	...	3.3	3.8	4.3	4.8	5.3	5.8	6.5	7.1	7.8	8.5	9.2	9.9	10.5	11.7	12.7	13.5	14.7	15.7	16.6	18.1	19.5	
1.17	48	3.008	56	3.509	...	...	...	...	3.7	4.2	4.7	5.4	6.0	6.7	7.4	8.1	8.9	9.4	10.6	11.6	12.4	13.6	14.6	15.6	17.0	18.4
1.18	34	2.130	40	2.506	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.9	7.5	8.2	8.9	9.5	10.3	10.9	12.1	13.1	13.9	15.1	16.0	17.0	18.5	19.9	
1.18	68	4.261	80	5.013	...	...	...	...	...	...	...	...	...	...	5.2	5.9	6.7	7.3	8.5	9.4	10.2	11.4	12.4	13.4	14.9	16.2
1.18	44	2.757	52	3.258	...	...	...	3.6	4.1	4.6	5.1	5.8	6.4	7.1	7.8	8.5	9.3	9.8	11.0	12.0	12.8	14.0	15.0	15.9	17.4	18.8
1.19	32	2.005	38	2.381	3.4	3.9	4.4	4.9	5.4	5.9	6.4	7.1	7.7	8.4	9.1	9.7	10.5	11.1	12.3	13.3	14.1	15.3	16.2	17.2	18.7	20.1	
1.20	40	2.506	48	3.008	...	...	3.5	4.0	4.5	5.0	5.5	6.2	6.8	7.5	8.2	8.9	9.6	10.2	11.4	12.4	13.2	14.4	15.4	16.3	17.8	19.2
1.20	60	3.760	72	4.511	...	...	...	...	...	...	...	...	4.6	5.3	6.0	6.7	7.5	8.1	9.2	10.2	11.0	12.2	13.2	14.2	15.6	17.0
1.21	56	3.509	68	4.261	...	...	...	...	...	...	...	4.4	5.0	5.7	6.4	7.1	7.9	8.5	9.6	10.6	11.4	12.6	13.6	14.6	16.0	17.4
1.22	36	2.256	44	2.757	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.6	7.2	7.9	8.6	9.3	10.0	10.6	11.8	12.8	13.6	14.8	15.7	16.7	18.2	19.6	
1.23	52	3.258	64	4.010	...	...	...	...	...	...	4.1	4.8	5.4	6.1	6.8	7.5	8.3	8.9	10.0	11.0	11.8	13.0	14.0	15.0	16.4	17.8
1.25	32	2.005	40	2.506	3.3	3.8	4.3	4.8	5.3	5.8	6.3	7.0	7.6	8.3	9.0	9.6	10.4	11.0	12.2	13.2	14.0	15.2	16.1	17.1	18.6	20.0	
1.25	48	3.008	60	3.700	...	...	...	...	...	4.0	4.5	5.2	5.8	6.5	7.2	7.9	8.7	9.2	10.4	11.4	12.2	13.4	14.4	15.4	16.2	18.2
1.25	64	4.010	80	5.013	...	...	...	...	...	...	...	...	...	...	5.4	6.1	6.9	7.5	8.6	9.6	10.4	11.6	12.6	13.6	15.1	16.4
1.25	72	4.511	90	4.511	...	...	...	...	...	...	...	...	...	...	...	...	6.0	6.6	7.8	8.7	9.5	10.7	11.7	12.7	14.2	15.5
1.26	38	2.381	48	3.008	...	3.1	3.6	4.1	4.6	5.1	5.6	6.3	6.9	7.6	8.3	9.0	9.7	10.3	11.5	12.5	13.3	14.5	15.5	16.4	17.9	19.3	
1.27	44	2.757	56	3.509	3.9	4.4	4.9	5.6	6.2	6.9	7.6	8.3	9.0	9.6	10.8	11.8	12.6	13.8	14.8	15.7	17.2	18.6	
Belt Length Factor→					0.8				.09				1.0				1.1				1.2						

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SELECTION



5MM 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.	350	375	400	425	450	475	500	535	565	600	635	670	710	740	800	850	890	950	1000	1050	1125	1195
	Belt Length Factor→				0.8				.09				1.0				1.1				1.2					
1.29	56	3.509	72	4.511	...	...	...	...	...	...	...	...	4.8	5.5	6.2	6.9	7.7	8.3	9.4	10.4	11.2	12.4	13.4	14.4	15.8	17.2
1.29	34	2.130	44	2.757	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.7	7.3	8.0	8.7	9.3	10.1	10.7	11.9	12.9	13.7	14.9	15.8	16.8	18.3	19.7
1.30	40	2.506	52	3.258	...	...	3.3	3.8	4.3	4.8	5.3	6.0	6.6	7.3	8.0	8.7	9.4	10.0	11.2	12.2	13.0	14.2	15.2	16.1	17.6	19.0
1.31	52	3.258	68	4.261	...	...	...	...	...	...	...	4.6	5.2	5.9	6.6	7.3	8.1	8.6	9.8	10.8	11.6	12.8	13.8	14.8	16.2	17.6
1.32	68	4.261	90	5.639	...	...	...	...	...	...	...	...	...	...	...	5.4	6.2	6.8	7.9	8.9	9.7	10.9	11.9	12.9	14.4	15.7
1.33	36	2.256	48	3.008	...	3.2	3.7	4.2	4.7	5.2	5.7	6.4	7.0	7.7	8.4	9.0	9.8	10.4	11.6	12.6	13.4	14.6	15.5	16.5	18.0	19.4
1.33	48	3.008	64	4.010	...	...	...	...	...	...	4.3	5.0	5.6	6.3	7.0	7.7	8.5	9.0	10.2	11.2	12.0	13.2	14.2	15.2	16.6	18.0
1.33	60	3.760	80	5.013	...	...	...	...	...	...	...	...	...	4.9	5.6	6.3	7.1	7.7	8.8	9.8	10.6	11.8	12.8	13.8	15.2	16.6
1.36	44	2.757	60	3.760	...	...	...	...	3.7	4.2	4.7	5.4	6.0	6.7	7.4	8.1	8.8	9.4	10.6	11.6	12.4	13.6	14.6	15.5	17.0	18.4
1.37	38	2.381	52	3.258	...	...	3.4	3.9	4.4	4.9	5.4	6.1	6.7	7.4	8.1	8.8	9.5	10.1	11.3	12.3	13.1	14.3	15.3	16.2	17.7	19.1
1.38	32	2.005	44	2.757	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.8	7.4	8.1	8.8	9.4	10.2	10.8	12.0	13.0	13.8	15.0	15.9	16.9	18.4	19.8
1.38	52	3.258	72	4.511	...	...	...	...	...	...	4.4	5.0	5.7	6.4	7.1	7.8	8.4	9.6	10.6	11.4	12.4	12.6	13.6	14.6	16.0	17.4
1.40	40	2.506	56	3.509	...	...	...	3.6	4.1	4.6	5.1	5.8	6.4	7.1	7.8	8.5	9.2	9.8	11.0	12.0	12.8	14.0	15.0	15.9	17.4	18.8
1.41	64	4.010	90	5.639	...	...	...	...	...	...	...	...	...	...	...	5.5	6.3	6.9	8.1	9.1	9.9	11.1	12.1	13.1	14.5	15.9
1.41	34	2.130	48	3.008	...	3.3	3.8	4.3	4.8	5.3	5.8	6.5	7.1	7.8	8.5	9.1	9.9	10.5	11.7	12.7	13.5	14.7	15.6	16.6	18.1	19.5
1.42	48	3.008	68	4.261	...	...	...	...	...	...	4.1	4.8	5.4	6.1	6.8	7.5	8.2	8.8	10.0	11.0	11.8	13.0	14.0	14.9	16.4	17.8
1.43	56	3.509	80	5.013	...	...	...	...	...	...	...	...	...	5.1	5.8	6.5	7.2	7.8	9.0	10.0	10.8	12.0	13.0	14.0	15.4	16.8
1.44	36	2.256	52	3.258	...	...	3.5	4.0	4.5	5.0	5.5	6.2	6.8	7.5	8.2	8.8	9.6	10.2	11.4	12.4	13.2	14.4	15.3	16.3	17.8	19.2
1.45	44	2.757	64	4.010	...	...	...	...	...	4.0	4.5	5.2	5.8	6.5	7.2	7.8	8.6	9.2	10.4	11.4	12.2	13.4	14.4	15.3	16.8	18.2
1.47	38	2.381	56	3.509	...	...	...	3.7	4.2	4.7	5.2	5.9	6.5	7.2	7.9	8.5	9.3	9.9	11.1	12.1	12.9	14.1	15.0	16.0	17.5	18.9
1.50	32	2.005	48	3.008	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.6	7.2	7.9	8.5	9.2	10.0	10.6	11.8	12.8	13.6	14.8	15.7	16.7	18.2	19.6
1.50	40	2.506	60	3.760	...	...	...	...	3.9	4.4	4.9	5.6	6.2	6.9	7.6	8.2	9.0	9.6	10.8	11.8	12.6	13.8	14.8	15.7	17.2	18.6
1.50	48	3.008	72	4.511	...	...	...	...	...	...	...	4.6	5.2	5.9	6.6	7.2	8.0	8.6	9.8	10.8	11.6	12.8	13.8	14.7	16.2	17.6
1.50	60	3.760	90	5.639	...	...	...	...	...	...	...	...	...	...	...	5.7	6.5	7.1	8.3	9.3	10.1	11.3	12.3	13.3	14.7	16.1
1.53	34	2.130	52	3.258	...	3.1	3.6	4.1	4.6	5.1	5.6	6.3	6.9	7.6	8.2	8.9	9.7	10.3	11.5	12.5	13.3	14.5	15.4	16.4	17.9	19.3
1.54	52	3.258	80	5.013	...	...	...	...	...	...	...	...	4.5	5.2	5.9	6.6	7.4	8.0	9.2	10.2	11.0	12.2	13.2	14.1	15.6	17.0
1.55	44	2.757	68	4.261	...	...	...	...	...	...	4.3	5.0	5.6	6.3	6.9	7.6	8.4	9.0	10.2	11.2	12.0	13.2	14.2	15.1	16.6	18.0
1.56	36	2.256	56	3.509	...	...	3.3	3.8	4.3	4.8	5.3	6.0	6.6	7.3	7.9	8.6	9.4	10.0	11.2	12.2	13.0	14.2	15.1	16.1	17.6	19.0
1.56	72	4.511	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.6	7.6	8.4	9.6	10.6	11.5	13.0	14.4	15.8
1.58	38	2.381	60	3.760	...	...	...	3.5	4.0	4.5	5.0	5.7	6.3	7.0	7.6	8.3	9.1	9.7	10.9	11.9	12.7	13.9	14.8	15.8	17.3	18.7
1.60	40	2.506	64	4.010	...	...	...	...	3.7	4.2	4.7	5.4	6.0	6.6	7.3	8.0	8.8	9.4	10.6	11.6	12.4	13.6	14.5	15.5	17.0	18.4
1.61	56	3.509	90	5.639	...	...	...	...	...	...	...	...	...	...	5.2	5.9	6.7	7.3	8.5	9.5	10.3	11.5	12.5	13.4	14.9	16.3
1.63	32	1.003	52	1.629	...	3.2	3.7	4.2	4.7	5.2	5.7	6.4	7.0	7.7	8.3	9.0	9.8	10.4	11.6	12.6	13.4	14.6	15.5	16.5	18.0	19.4
1.64	44	2.757	72	4.511	...	...	...	...	...	...	4.0	4.7	5.3	6.0	6.7	7.4	8.2	8.8	10.0	11.0	11.8	13.0	13.9	14.9	16.4	17.8
1.65	34	2.130	56	3.509	...	...	3.4	3.9	4.4	4.9	5.4	6.1	6.7	7.3	8.0	8.7	9.5	10.1	11.3	12.3	13.1	14.3	15.2	16.2	17.7	19.1
1.65	68	4.261	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.7	7.7	8.5	9.7	10.7	11.7	13.2	14.6	16.0
1.67	36	2.256	60	3.760	...	...	...	3.6	4.1	4.6	5.1	5.8	6.4	7.0	7.7	8.4	9.2	9.8	11.0	12.0	12.8	14.0	14.9	15.9	17.4	18.8
1.67	48	3.008	80	5.013	...	...	...	...	...	...	...	...	4.7	5.4	6.1	6.8	7.6	8.2	9.4	10.4	11.2	12.4	13.3	14.3	15.8	17.2
1.68	38	2.381	64	4.010	...	...	...	...	3.7	4.2	4.8	5.4	6.0	6.7	7.4	8.1	8.9	9.5	10.7	11.7	12.5	13.7	14.6	15.6	17.1	18.5
1.70	40	2.506	68	4.261	...	...	...	...	...	3.9	4.4	5.1	5.7	6.4	7.1	7.8	8.6	9.2	10.4	11.4	12.2	13.4	14.3	15.3	16.8	18.2
1.73	52	3.258	90	5.639	...	...	...	...	...	...	...	...	...	...	5.4	6.1	6.9	7.5	8.7	9.7	10.5	11.7	12.6	13.6	15.1	16.5
1.75	32	2.005	56	3.509	...	...	3.5	4.0	4.5	5.0	5.5	6.2	6.7	7.4	8.1	8.8	9.6	10.2	11.4	12.4	13.2	14.4	15.3	16.3	17.8	19.2
1.75	64	4.010	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.9	7.9	8.7	9.9	10.9	11.9	13.4	14.8	16.2
1.76	34	2.130	60	3.760	...	...	...	3.6	4.1	4.7	5.1	5.8	6.4	7.1	7.8	8.5	9.3	9.9	11.1	12.1	12.9	14.1	15.0	16.0	17.5	18.9
1.78	36	2.256	64	4.010	...	...	...	...	...	4.3	4.8	5.5	6.1	6.8	7.5	8.2	9.0	9.6	10.8	11.8	12.6	13.8	14.7	15.7	17.2	18.6
1.79	38	2.381	68	4.261	...	...	...	...	...	4.0	4.5	5.2	5.8	6.5	7.2	7.9	8.7	9.3	10.5	11.5	12.3	13.5	14.4	15.4	16.9	18.3
1.80	40	2.506	72	4.511	...	...	...	...	...	...	4.2	4.9	5.5	6.2	6.9	7.6	8.4	9.0	10.2	11.2	12.0	13.2	14.1	15.1	16.6	18.0
1.82	44	2.757	80	5.013	...	...	...	...	...	...	...	4.3	4.9	5.6	6.3	7.0	7.8	8.4	9.6	10.6	11.4	12.5	13.5	14.5	16.0	17.4
1.87	60	3.760	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	5.9	7.1	8.1	8.9	10.1	11.1	12.1	13.6	15.0	16.5
1.88	32	2.005	60	3.760	3.7	4.2	4.7	5.2	5.9	6.5	7.2	7.9	8.6	9.4	10.0	11.2	12.2	13.0	14.1	15.1	16.1	17.6	19.0	20.5
Belt Length Factor→					0.8	0.8				.09				1.0				1.1				1.2				

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SELECTION



5MM 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.	375	400	425	450	475	500	535	565	600	635	670	710	740	800	850	890	950	1000	1050	1125	1195	1270
	Belt Length Factor→				0.8				.09				1.0					1.1				1.2				
1.88	48	3.008	90	5.639	...	...	...	...	...	...	...	...	4.8	5.5	6.3	7.1	7.7	8.9	9.8	10.6	11.8	12.8	13.8	15.3	16.7	18.2
1.88	34	2.130	64	4.010	...	...	...	3.9	4.4	4.9	5.6	6.2	6.9	7.6	8.3	9.1	9.7	10.9	11.9	12.7	13.8	14.8	15.8	17.3	18.7	20.2
1.89	36	2.256	68	4.261	...	...	...	...	4.1	4.6	5.3	5.9	6.6	7.3	8.0	8.8	9.4	10.6	11.6	12.4	13.5	14.5	15.5	17.0	18.4	19.9
1.89	38	2.381	72	4.511	...	...	...	...	...	4.3	5.0	5.6	6.3	7.0	7.7	8.5	9.1	10.3	11.3	12.1	13.2	14.2	15.2	16.7	18.1	19.6
2.00	30	1.880	60	3.760	...	3.3	3.8	4.3	4.8	5.3	6.0	6.6	7.3	8.0	8.7	9.5	10.1	11.3	12.3	13.1	14.2	15.2	16.2	17.7	19.1	20.5
2.00	32	2.005	64	4.010	...	...	3.5	4.0	4.5	5.0	5.7	6.3	7.0	7.7	8.4	9.2	9.8	11.0	12.0	12.8	13.9	14.9	15.9	17.4	18.8	20.3
2.00	34	2.130	68	4.261	...	...	...	3.7	4.2	4.7	5.4	6.0	6.7	7.4	8.1	8.9	9.5	10.7	11.7	12.5	13.6	14.6	15.6	17.1	18.5	20.0
2.00	36	2.256	72	4.511	...	...	...	...	3.9	4.4	5.1	5.7	6.4	7.1	7.8	8.6	9.2	10.4	11.4	12.2	13.3	14.3	15.3	16.8	18.2	19.7
2.00	40	2.506	80	5.013	...	...	...	...	...	4.4	5.1	5.1	5.8	6.5	7.2	8.0	8.6	9.8	10.8	11.5	12.7	13.7	14.7	16.2	17.6	19.1
2.00	56	3.509	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	7.3	8.3	9.1	10.3	11.3	12.3	13.8	15.2	16.6	
2.05	44	2.757	90	5.639	...	...	...	...	...	...	...	...	5.0	5.7	6.4	7.2	7.8	9.0	10.0	10.8	12.0	13.0	14.0	15.5	16.9	18.3
2.11	38	2.381	80	5.013	...	...	...	...	...	4.5	5.1	5.1	5.8	6.6	7.3	8.1	8.7	9.8	10.8	11.6	12.8	13.8	14.8	16.3	17.7	19.1
2.12	34	2.130	72	4.511	...	...	...	...	3.9	4.5	5.2	5.8	6.5	7.2	7.9	8.7	9.3	10.5	11.5	12.2	13.4	14.4	15.4	16.9	18.3	19.7
2.13	32	2.005	68	4.261	...	...	...	3.8	4.3	4.8	5.5	6.1	6.8	7.5	8.2	9.0	9.6	10.8	11.8	12.5	13.7	14.7	15.7	17.2	18.6	20.0
2.15	52	3.258	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.6	6.2	7.4	8.4	9.2	10.5	11.5	12.4	13.9	15.3	16.8
2.22	36	2.256	80	5.013	...	...	...	...	...	4.6	5.2	5.2	5.9	6.6	7.3	8.1	8.7	9.9	10.9	11.7	12.9	13.9	14.9	16.4	17.8	19.2
2.25	32	2.005	72	4.511	...	...	...	...	4.0	4.5	5.3	5.9	6.6	7.3	8.0	8.8	9.4	10.6	11.5	12.3	13.5	14.5	15.5	17.0	18.4	19.8
2.25	40	2.506	90	5.639	...	...	...	...	...	...	...	...	5.2	5.9	6.6	7.4	8.0	9.2	10.2	11.0	12.2	13.2	14.2	15.7	17.1	18.5
2.33	48	3.008	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.7	6.4	7.6	8.6	9.4	10.6	11.6	12.6	14.1	15.5	17.0
2.35	34	2.130	80	5.013	...	...	...	...	...	4.0	4.7	5.3	6.0	6.7	7.4	8.2	8.8	10.0	11.0	11.8	13.0	14.0	15.0	16.5	17.9	19.3
2.37	38	2.381	90	5.639	...	...	...	...	...	...	...	4.5	5.3	6.0	6.7	7.5	8.1	9.3	10.3	11.1	12.3	13.3	14.3	15.8	17.1	18.6
2.50	32	2.005	80	5.013	...	...	...	...	...	4.0	4.8	4.8	5.4	6.1	6.8	7.5	8.3	8.9	10.1	11.1	11.9	13.1	14.1	15.1	16.6	17.9
2.50	36	2.256	90	5.639	...	...	...	...	...	...	...	...	4.6	5.3	6.1	6.8	7.6	8.2	9.4	10.4	11.2	12.4	13.4	14.4	15.9	17.2
2.55	44	2.757	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	5.9	6.5	7.8	8.8	9.6	10.8	11.8	12.8	14.3	15.7
2.65	34	2.130	90	5.639	...	...	...	...	...	...	...	...	4.7	5.4	6.1	6.9	7.7	8.3	9.5	10.5	11.3	12.5	13.5	14.5	15.9	17.3
2.80	40	2.506	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.2	6.1	6.7	7.9	9.0	9.8	11.0	12.0	13.0	14.5	15.9
2.81	32	2.005	90	5.639	...	...	...	...	...	...	...	...	4.8	5.5	6.2	6.9	7.7	8.4	9.6	10.6	11.4	12.6	13.6	14.5	16.0	17.4
2.95	38	2.381	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.3	6.2	6.8	8.0	9.0	9.9	11.1	12.1	13.1	14.6	16.0
3.11	36	2.256	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.4	6.2	6.9	8.1	9.1	9.9	11.2	12.2	13.2	14.7	16.1
3.29	34	2.130	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.5	6.3	6.9	8.2	9.2	10.0	11.2	12.2	13.2	14.7	16.1
3.50	32	2.005	112	7.018	5.5	6.4	7.0	8.3	9.3	10.1	11.3	12.3	13.3	14.8	16.2
Belt Length Factor→					0.8				.09				1.0					1.1				1.2				

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SELECTION



8MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance																			
	Driver		Driven		Belt Length Code Designation																			
	No.	Pitch Dia.	No.	Pitch Dia.	480	560	600	650	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800
	Belt Length Factor →				0.8			.09				1.0				1.1				1.2				
1.00	22	2.206	22	2.206	6.0	7.6	8.3	9.1	10.7	12.3	13.9	15.4	17.0	18.6	20.2	21.7	24.9	28.0	31.2	32.0	35.9	43.8	47.7	51.7
1.00	24	2.406	24	2.406	5.7	7.2	8.0	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	21.4	24.6	27.7	30.9	31.7	35.6	43.5	47.4	51.3
1.00	26	2.607	26	2.607	5.4	6.9	7.7	8.5	10.1	11.7	13.2	14.8	16.4	18.0	19.5	21.1	24.3	27.4	30.6	31.3	35.3	43.2	47.1	51.0
1.00	28	2.807	28	2.807	5.0	6.6	7.4	8.2	9.8	11.3	12.9	14.5	16.1	17.6	19.2	20.8	23.9	27.1	30.2	31.0	35.0	42.8	46.8	50.7
1.00	30	3.008	30	3.008	4.7	6.3	7.1	7.9	9.5	11.0	12.6	14.2	15.8	17.3	18.9	20.5	23.6	26.8	29.9	30.7	34.6	42.5	46.5	50.4
1.00	32	3.208	32	3.208	4.4	6.0	6.8	7.6	9.1	10.7	12.3	13.9	15.4	17.0	18.6	20.2	23.3	26.5	29.6	30.4	34.3	42.2	46.1	50.1
1.00	34	3.409	34	3.409	...	5.7	6.5	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	23.0	26.1	29.3	30.1	34.0	41.9	45.8	49.8
1.00	36	3.609	36	3.609	...	5.4	6.1	6.9	8.5	10.1	11.7	13.2	14.8	16.4	18.0	19.5	22.7	25.8	29.0	29.8	33.7	41.6	45.5	49.5
1.00	38	3.810	38	3.810	...	5.0	5.8	6.6	8.2	9.8	11.3	12.9	14.5	16.1	17.6	19.2	22.4	25.5	28.7	29.5	33.4	41.3	45.2	49.1
1.00	40	4.010	40	4.010	...	...	5.5	6.3	7.9	9.5	11.0	12.6	14.2	15.8	17.3	18.9	22.1	25.2	28.3	29.1	33.1	40.9	44.9	48.8
1.00	44	4.411	44	4.411	...	...	...	5.7	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	21.4	24.6	27.7	28.5	32.4	40.3	44.3	48.2
1.00	48	4.812	48	4.812	...	...	...	...	6.6	8.2	9.8	11.3	12.9	14.5	16.1	17.6	20.8	23.9	27.1	27.9	31.8	39.7	43.6	47.6
1.00	56	5.614	56	5.614	...	...	...	...	...	6.9	8.5	10.1	11.7	13.2	14.8	16.4	19.5	22.7	25.8	26.6	30.6	38.4	42.4	46.3
1.00	64	6.416	64	6.416	...	...	...	...	...	...	7.2	8.8	10.4	12.0	13.5	15.1	18.3	21.4	24.6	25.4	29.3	37.2	41.1	45.0
1.00	72	7.218	72	7.218	...	...	...	...	...	...	...	...	9.1	10.7	12.3	13.9	17.0	20.2	23.3	24.1	28.0	35.9	39.8	43.8
1.00	80	8.020	80	8.020	...	...	...	...	...	...	...	...	...	9.5	11.0	12.6	15.8	18.9	22.1	22.8	26.8	34.7	38.6	42.5
1.05	38	3.810	40	4.010	...	4.9	5.7	6.5	8.0	9.6	11.2	12.8	14.3	15.9	17.5	19.1	22.2	25.4	28.5	29.3	33.2	41.1	45.0	49.0
1.06	36	3.609	38	3.810	...	5.2	6.0	6.8	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	22.5	25.7	28.8	29.6	33.5	41.4	45.4	49.3
1.06	34	3.409	36	3.609	...	5.5	6.3	7.1	8.7	10.2	11.8	13.4	15.0	16.5	18.1	19.7	22.8	26.0	29.1	29.9	33.9	41.7	45.7	49.6
1.06	32	3.208	34	3.409	4.3	5.8	6.6	7.4	9.0	10.6	12.1	13.7	15.3	16.9	18.4	20.0	23.2	26.3	29.5	30.2	34.2	42.0	46.0	49.9
1.07	30	3.008	32	3.208	4.6	6.1	6.9	7.7	9.3	10.9	12.4	14.0	15.6	17.2	18.7	20.3	23.5	26.6	29.8	30.6	34.5	42.4	46.3	50.2
1.07	28	2.807	30	3.008	4.9	6.5	7.2	8.0	9.6	11.2	12.8	14.3	15.9	17.5	19.1	20.6	23.8	26.9	30.1	30.9	34.8	42.7	46.6	50.6
1.08	26	2.607	28	2.807	5.2	6.8	7.6	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	20.9	24.1	27.2	30.4	31.2	35.1	43.0	46.9	50.9
1.08	24	2.406	26	2.607	5.5	7.1	7.9	8.7	10.2	11.8	13.4	15.0	16.5	18.1	19.7	21.3	24.4	27.6	30.7	31.5	35.4	43.3	47.2	51.2
1.09	22	2.206	24	2.406	5.8	7.4	8.2	9.0	10.6	12.1	13.7	15.3	16.9	18.4	20.0	21.6	24.7	27.9	31.0	31.8	35.7	43.6	47.6	51.5
1.09	44	4.411	48	4.812	...	...	...	...	6.9	8.5	10.1	11.7	13.2	14.8	16.4	18.0	21.1	24.3	27.4	28.2	32.1	40.0	43.9	47.9
1.10	40	4.010	44	4.411	...	...	5.2	6.0	7.6	9.1	10.7	12.3	13.9	15.4	17.0	18.6	21.7	24.9	28.0	28.8	32.8	40.6	44.6	48.5
1.11	36	3.609	40	4.010	...	5.0	5.8	6.6	8.2	9.8	11.3	12.9	14.5	16.1	17.6	19.2	22.4	25.5	28.7	29.5	33.4	41.3	45.2	49.1
1.11	72	7.218	80	8.020	...	...	...	...	...	...	...	...	8.5	10.1	11.7	13.2	16.4	19.5	22.7	23.5	27.4	35.3	39.2	43.2
1.12	34	3.409	38	3.810	...	5.4	6.1	6.9	8.5	10.1	11.7	13.2	14.8	16.4	18.0	19.5	22.7	25.8	29.0	29.8	33.7	41.6	45.5	49.5
1.13	32	3.208	36	3.609	...	5.7	6.5	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	23.0	26.1	29.3	30.1	34.0	41.9	45.8	49.8
1.13	64	6.416	72	7.218	...	...	...	...	...	...	...	8.2	9.8	11.3	12.9	14.5	17.6	20.8	23.9	24.7	28.7	36.5	40.5	44.4
1.13	80	8.020	90	9.023	...	...	...	...	...	...	...	...	...	...	10.2	11.8	15.0	18.1	21.3	22.0	26.0	33.9	37.8	41.7
1.13	30	3.008	34	3.409	4.4	6.0	6.8	7.6	9.1	10.7	12.3	13.9	15.4	17.0	18.6	20.2	23.3	26.5	29.6	30.4	34.3	42.2	46.1	50.1
1.14	28	2.807	32	3.208	4.7	6.3	7.1	7.9	9.4	11.0	12.6	14.2	15.7	17.3	18.9	20.5	23.6	26.8	29.9	30.7	34.6	42.5	46.5	50.4
1.14	56	5.614	64	6.416	...	...	...	...	...	...	7.9	9.4	11.0	12.6	14.2	15.7	18.9	22.0	25.2	26.0	29.9	37.8	41.7	45.7
1.15	26	2.607	30	3.008	5.0	6.6	7.4	8.2	9.8	11.3	12.9	14.5	16.1	17.6	19.2	20.8	23.9	27.1	30.2	31.0	35.0	42.8	46.8	50.7
1.16	38	3.810	44	4.411	...	...	5.3	6.1	7.7	9.3	10.9	12.4	14.0	15.6	17.2	18.7	21.9	25.0	28.2	29.0	32.9	40.8	44.7	48.7
1.17	24	2.406	28	2.807	5.4	6.9	7.7	8.5	10.1	11.7	13.2	14.8	16.4	18.0	19.5	21.1	24.3	27.4	30.6	31.3	35.3	43.2	47.1	51.0
1.17	48	4.812	56	5.614	...	...	...	...	6.0	7.6	9.1	10.7	12.3	13.9	15.4	17.0	20.2	23.3	26.5	27.2	31.2	39.1	43.0	46.9
1.18	34	3.409	40	4.010	...	5.2	6.0	6.8	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	22.5	25.7	28.8	29.6	33.5	41.4	45.4	49.3
1.18	22	2.206	26	2.607	5.7	7.2	8.0	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	21.4	24.6	27.7	30.9	31.7	35.6	43.5	47.4	51.3
1.19	32	3.208	38	3.810	...	5.5	6.3	7.1	8.7	10.2	11.8	13.4	15.0	16.5	18.1	19.7	22.8	26.0	29.1	29.9	33.9	41.7	45.7	49.6
1.20	30	3.008	36	3.609	4.2	5.8	6.6	7.4	9.0	10.5	12.1	13.7	15.3	16.9	18.4	20.0	23.2	26.3	29.4	30.2	34.2	42.0	46.0	49.9
1.20	40	4.010	48	4.812	...	...	...	5.7	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	21.4	24.6	27.7	28.5	32.4	40.3	44.3	48.2
1.21	28	2.807	34	3.409	4.6	6.1	6.9	7.7	9.3	10.9	12.4	14.0	15.6	17.2	18.7	20.3	23.5	26.6	29.8	30.6	34.5	42.4	46.3	50.2
1.22	36	3.609	44	4.411	...	...	5.5	6.3	7.9	9.4	11.0	12.6	14.2	15.7	17.3	18.9	22.0	25.2	28.3	29.1	33.1	40.9	44.9	48.8
1.23	26	2.607	32	3.208	4.9	6.5	7.2	8.0	9.6	11.2	12.8	14.3	15.9	17.5	19.1	20.6	23.8	26.9	30.1	30.9	34.8	42.7	46.6	50.6
1.25	24	2.406	30	3.008	5.2	6.8	7.6	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	20.9	24.1	27.2	30.4	31.2	35.1	43.0	46.9	50.9
1.25	32	3.208	40	4.010	...	5.3	6.1	6.9	8.5	10.1	11.6	13.2	14.8	16.4	18.0	19.5	22.7	25.8	29.0	29.8	33.7	41.6	45.5	49.4
Belt Length Factor →					0.8			.09				1.0				1.1				1.2				

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SELECTION



8MM Ratio/Center Distance Tables

Drive Ratio	Sprocket Combination				Nominal Center Distance																													
	Driver		Driven		Belt Length Code Designation																													
	No.	Pitch Dia.	No.	Pitch Dia.	560	600	640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048										
	Th.	Th.	Th.	Th.	.8						.9						1.0						1.1						1.2					
Belt Length Factor →																																		
1.25	64	6.416	80	8.020	...	...	...	...	...	...	...	9.1	10.7	12.3	13.8	17.0	20.1	23.3	24.1	28.0	35.9	39.8	43.8	48.7			
1.25	72	7.218	90	9.023	...	...	...	...	...	...	...	...	9.3	10.8	12.4	15.6	18.7	21.9	22.7	26.6	34.5	38.4	42.4	47.2		
1.26	38	3.810	48	4.812	...	...	5.8	7.4	9.0	10.5	12.1	13.7	15.3	16.8	18.4	21.6	24.7	27.9	28.7	32.6	40.5	44.4	48.3	53.2								
1.27	30	3.008	38	3.810	5.7	6.4	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	23.0	26.1	29.3	30.1	34.0	41.9	45.8	49.8	54.6										
1.27	22	2.206	28	2.807	7.1	7.9	8.7	10.2	11.8	13.4	15.0	16.5	18.1	19.7	21.3	24.4	27.6	30.7	31.5	35.4	43.3	47.2	51.2	56.1										
1.27	44	4.411	56	5.614	...	...	...	6.3	7.9	9.4	11.0	12.6	14.2	15.7	17.3	20.5	23.6	26.8	27.6	31.5	39.4	43.3	47.2	52.1							
1.29	28	2.807	36	3.609	6.0	6.8	7.6	9.1	10.7	12.3	13.9	15.4	17.0	18.6	20.2	23.3	26.5	29.6	28.8	32.8	40.6	44.6	48.5	53.0										
1.29	56	5.614	72	7.218	...	...	...	...	...	7.2	8.8	10.4	11.9	13.5	15.1	18.3	21.4	24.6	25.3	29.3	37.2	41.1	45.0	49.9					
1.29	34	3.409	44	4.411	4.9	5.6	6.4	8.0	9.6	11.2	12.7	14.3	15.9	17.5	19.1	22.2	25.4	28.5	29.3	33.2	41.1	45.0	49.0	53.9										
1.31	26	2.607	34	3.409	6.3	7.1	7.9	9.4	11.0	12.6	14.2	15.7	17.3	18.9	20.5	23.6	26.8	29.9	30.7	34.6	42.5	46.5	50.4	55.3										
1.33	24	2.406	32	3.208	6.6	7.4	8.2	9.8	11.3	12.9	14.5	16.1	17.6	19.2	20.8	23.9	27.1	30.2	31.0	35.0	42.8	46.8	50.7	55.6										
1.33	30	3.008	40	4.010	5.5	6.3	7.1	8.6	10.2	11.8	13.4	15.0	16.5	18.1	19.7	22.8	26.0	29.1	29.9	33.9	41.7	45.7	49.6	54.5										
1.33	36	3.609	48	4.812	...	...	6.0	7.5	9.1	10.7	12.3	13.8	15.4	17.0	18.6	21.7	24.9	28.0	28.8	32.8	40.6	44.6	48.5	53.4								
1.33	48	4.812	64	6.416	...	...	...	...	6.9	8.5	10.0	11.6	13.2	14.8	16.4	19.5	22.7	25.8	26.6	30.5	38.4	42.4	46.3	51.2						
1.36	28	2.807	38	3.810	5.8	6.6	7.4	9.0	10.5	12.1	13.7	15.3	16.8	18.4	20.0	23.1	26.3	29.4	30.2	34.2	42.0	46.0	49.9	54.8										
1.36	22	2.206	30	3.008	6.9	7.7	8.5	10.1	11.6	13.2	14.8	16.4	17.9	19.5	21.1	24.3	27.4	30.6	31.3	35.3	43.1	47.1	51.0	55.9										
1.38	32	3.208	44	4.411	5.0	5.8	6.6	8.2	9.7	11.3	12.9	14.5	16.1	17.6	19.2	22.4	25.5	28.7	29.4	33.4	41.3	45.2	49.1	54.0										
1.38	26	2.607	36	3.609	6.1	6.9	7.7	9.3	10.9	12.4	14.0	15.6	17.2	18.7	20.3	23.5	26.6	29.8	30.5	34.5	42.4	46.3	50.2	55.1										
1.40	40	4.010	56	5.614	...	...	...	6.6	8.2	9.7	11.3	12.9	14.5	16.0	17.6	20.8	23.9	27.1	27.9	31.8	39.7	43.6	47.6	52.4							
1.40	80	8.020	112	11.229	...	...	...	...	...	...	...	...	...	...	...	13.1	16.3	19.5	20.3	24.2	32.1	36.0	40.0	44.9
1.41	64	6.416	90	9.023	...	...	...	...	...	...	...	...	9.8	11.4	13.0	16.2	19.3	22.5	23.3	27.2	35.1	39.0	43.0	47.9		
1.41	34	3.409	48	4.812	...	5.3	6.1	7.7	9.3	10.8	12.4	14.0	15.6	17.2	18.7	21.9	25.0	28.2	29.0	32.9	40.8	44.7	48.7	53.5										
1.42	24	2.406	34	3.409	6.4	7.2	8.0	9.6	11.2	12.7	14.3	15.9	17.5	19.1	20.6	23.8	26.9	30.1	30.9	34.8	42.7	46.6	50.6	55.4										
1.43	28	2.807	40	4.010	5.6	6.4	7.2	8.8	10.4	12.0	13.5	15.1	16.7	18.3	19.8	23.0	26.1	29.3	30.1	34.0	41.9	45.8	49.8	54.6										
1.43	56	5.614	80	8.020	...	...	...	...	...	...	8.1	9.7	11.3	12.9	14.4	17.6	20.8	23.9	24.7	28.6	36.5	40.5	44.4	49.3				
1.45	22	2.206	32	3.208	6.8	7.5	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	20.9	24.1	27.2	30.4	31.2	35.1	43.0	46.9	50.9	55.7										
1.45	44	4.411	64	6.416	...	...	...	...	7.2	8.8	10.3	11.9	13.5	15.1	16.7	19.8	23.0	26.1	26.9	30.9	38.7	42.7	46.6	51.5						
1.46	26	2.607	38	3.810	6.0	6.7	7.5	9.1	10.7	12.3	13.8	15.4	17.0	18.6	20.2	23.3	26.5	29.6	30.4	34.3	42.2	46.1	50.1	55.0										
1.47	30	3.008	44	4.411	5.1	5.9	6.7	8.3	9.9	11.5	13.1	14.6	16.2	17.8	19.4	22.5	25.7	28.8	29.6	33.5	41.4	45.4	49.3	54.2										
1.47	38	3.810	56	5.614	...	...	...	6.7	8.3	9.9	11.5	13.0	14.6	16.2	17.8	20.9	24.1	27.2	28.0	32.0	39.8	43.8	47.7	52.6							
1.50	24	2.406	36	3.609	6.3	7.1	7.9	9.4	11.0	12.6	14.2	15.7	17.3	18.9	20.5	23.6	26.8	29.9	30.7	34.6	42.5	46.5	50.4	55.3										
1.50	32	3.208	48	4.812	...	5.5	6.2	7.8	9.4	11.0	12.6	14.2	15.7	17.3	18.9	22.0	25.2	28.3	29.1	33.1	40.9	44.9	48.8	53.7										
1.50	48	4.812	72	7.218	...	...	...	...	...	7.8	9.4	11.0	12.5	14.1	15.7	18.9	22.0	25.2	26.0	29.9	37.8	41.7	45.7	50.5					
1.54	26	2.607	40	4.010	5.8	6.6	7.4	8.9	10.5	12.1	13.7	15.3	16.8	18.4	20.0	23.1	26.3	29.4	30.2	34.2	42.0	46.0	49.9	54.8										
1.55	22	2.206	34	3.409	6.6	7.4	8.2	9.7	11.3	12.9	14.5	16.1	17.6	19.2	20.8	23.9	27.1	30.2	31.0	35.0	42.8	46.8	50.7	55.6										
1.56	36	3.609	56	5.614	...	...	...	6.9	8.4	10.0	11.6	13.2	14.8	16.3	17.9	21.1	24.2	27.4	28.2	32.1	40.0	43.9	47.9	52.7							
1.56	72	7.218	112	11.229	10.5	13.7	16.9	20.1	20.8	24.8	32.7	36.6	40.6	45.5									
1.57	28	2.807	44	4.411	5.3	6.1	6.9	8.5	10.0	11.6	13.2	14.8	16.4	17.9	19.5	22.7	25.8	29.0	29.8	33.7	41.6	45.5	49.4	54.3										
1.58	24	2.406	38	3.810	6.1	6.9	7.7	9.3	10.8	12.4	14.0	15.6	17.2	18.7	20.3	23.5	26.6	29.8	30.5	34.5	42.4	46.3	50.2	55.1										
1.60	30	3.008	48	4.812	4.8	5.6	6.4	8.0	9.6	11.1	12.7	14.3	15.9	17.5	19.0	22.2	25.3	28.5	29.3	33.2	41.1	45.0	49.0	53.9										
1.60	40	4.010	64	6.416	...	...	...	...	7.5	9.1	10.6	12.2	13.8	15.4	17.0	20.1	23.3	26.4	27.2	31.2	39.0	43.0	46.9	51.8						
1.61	56	5.614	90	9.023	...	...	...	...	...	...	...	8.8	10.4	12.0	13.6	16.8	19.9	23.1	23.9	27.8	35.7	39.7	43.6	48.5			
1.64	22	2.206	36	3.609	6.4	7.2	8.0	9.6	11.2	12.7	14.3	15.9	17.5	19.0	20.6	23.8	26.9	30.1	30.9	34.8	42.7	46.6	50.5	55.4										
1.64	44	4.411	72	7.218	...	...	...	...	...	8.1	9.7	11.2	12.8	14.4	16.0	19.2	22.3	25.5	26.3	30.2	38.1	42.0	46.0	50.8					
1.65	34	3.409	56	5.614	...	...	5.4	7.0	8.6	10.2	11.8	13.3	14.9	16.5	18.1	21.2	24.4	27.5	28.3	32.3	40.1	44.1	48.0	52.9								
1.67	24	2.406	40	4.010	5.9	6.7	7.5	9.1	10.7	12.3	13.8	15.4	17.0	18.6	20.1	23.3	26.4	29.6	30.4	34.3	42.2	46.1	50.1	55.0										
1.67	48	4.812	80	8.020	...	...	...	...	...	...	8.7	10.3	11.9	13.4	15.0	18.2	21.4	24.5	25.3	29.2	37.1	41.1	45.0	49.9				
1.68	38	3.810	64	6.416	...	...	...	6.0	7.6	9.2	10.8	12.4	14.0	15.5	17.1	20.3	23.4	26.6	27.4	31.3	39.2	43.1	47.1	52.0							
1.69	26	2.607	44	4.411	5.4	6.2	7.0	8.6	10.2	11.8	13.4	14.9	16.5	18.1	19.7	22.8	26.0	29.1	29.9	33.8	41.7	45.7	49.6	54.5										
1.71	28	2.807	48	4.812	4.9	5.7	6.5	8.1	9.7	11.3	12.9	14.5	16.0	17.6	19.2	22.3	25.5	28.6	29.4	33.4	41.2	45.2	49.1	54.0										
Belt Length Factor →					0.8						.09						1.0						1.1						1.2					

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SELECTION



8MM 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.	560	600	640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048	3280	
Belt Length Factor→				.8				.9				1.0				1.1				1.2						
1.73	22	2.206	38	3.810	6.2	7.0	7.8	9.4	11.0	12.6	14.2	15.7	17.3	18.9	20.5	23.6	26.8	29.9	30.7	34.6	42.5	46.5	50.4	55.3	59.8	
1.75	32	3.208	56	5.614	...	...	5.5	7.1	8.7	10.3	11.9	13.5	15.1	16.6	18.2	21.4	24.5	27.7	28.5	32.4	40.3	44.2	48.2	53.1	57.6
1.75	64	6.416	112	11.229	...	...	...	...	...	...	...	...	...	...	11.1	14.3	17.5	20.6	21.4	25.4	33.3	37.2	41.2	46.1	50.7
1.78	36	3.609	64	6.416	...	...	...	6.1	7.7	9.3	10.9	12.5	14.1	15.7	17.3	20.4	23.6	26.7	27.5	31.5	39.3	43.3	47.2	52.1	56.7
1.80	40	4.010	72	7.218	...	...	...	...	6.7	8.3	9.9	11.5	13.1	14.7	16.3	19.5	22.6	25.8	26.6	30.5	38.4	42.3	46.3	51.2	55.7
1.80	80	8.020	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	13.5	16.7	17.5	21.5	29.4	33.4	37.3	42.2	46.8
1.82	22	2.206	40	4.010	6.1	6.9	7.7	9.2	10.8	12.4	14.0	15.6	17.1	18.7	20.3	23.4	26.6	29.8	30.5	34.5	42.4	46.3	50.2	55.1	59.7	
1.82	44	4.411	80	8.020	...	...	...	...	7.3	8.9	10.5	12.1	13.7	15.3	18.5	21.7	24.8	28.0	25.6	29.6	37.4	41.4	45.3	50.2	54.8
1.83	24	2.406	44	4.411	5.6	6.4	7.2	8.8	10.3	11.9	13.5	15.1	16.7	18.2	19.8	23.0	26.1	29.3	30.1	34.0	41.9	45.8	49.8	54.6	59.2	
1.85	26	2.607	48	4.812	5.1	5.9	6.7	8.3	9.9	11.4	13.0	14.6	16.2	17.8	19.3	22.5	25.6	28.8	29.6	33.5	41.4	45.3	49.3	54.2	58.7	
1.87	30	3.008	56	5.614	...	...	5.7	7.3	8.9	10.5	12.1	13.6	15.2	16.8	18.4	21.5	24.7	27.8	28.6	32.6	40.5	44.4	48.3	53.2	57.8
1.88	48	4.812	90	9.023	...	...	...	...	...	...	7.7	9.4	11.0	12.6	14.2	17.3	20.5	23.7	24.5	28.4	36.3	40.3	44.2	49.1	53.7
1.88	34	3.409	64	6.416	...	...	...	6.3	7.9	9.5	11.1	12.7	14.2	15.8	17.4	20.6	23.7	26.9	27.7	31.6	39.5	43.4	47.4	52.3	56.8
1.89	38	3.810	72	7.218	...	...	...	...	6.9	8.5	10.1	11.7	13.3	14.9	16.4	19.6	22.8	25.9	26.7	30.7	38.5	42.5	46.4	51.3	55.9
2.00	22	2.206	44	4.411	5.7	6.5	7.3	8.9	10.5	12.1	13.7	15.2	16.8	18.4	20.0	23.1	26.3	29.4	30.2	34.2	42.0	46.0	49.9	54.8	59.4	
2.00	24	2.406	48	4.812	5.2	6.0	6.8	8.4	10.0	11.6	13.2	14.8	16.3	17.9	19.5	22.6	25.8	29.0	29.7	33.7	41.6	45.5	49.4	54.3	58.9	
2.00	28	2.807	56	5.614	...	5.0	5.8	7.4	9.0	10.6	12.2	13.8	15.4	16.9	18.5	21.7	24.8	28.0	28.8	32.8	40.6	44.5	48.5	53.4	57.9	
2.00	32	3.208	64	6.416	...	...	...	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6	20.7	23.9	27.0	27.8	31.8	39.7	43.6	47.5	52.4	57.0
2.00	36	3.609	72	7.218	...	...	...	...	7.0	8.6	10.2	11.8	13.4	15.0	16.6	19.8	22.9	26.1	26.9	30.8	38.7	42.6	46.6	51.5	56.0
2.00	40	4.010	80	8.020	...	...	...	...	7.6	9.2	10.8	12.4	14.0	15.6	18.8	22.0	25.1	28.2	25.9	29.9	37.7	41.7	45.6	50.5	55.1
2.00	56	5.614	112	11.229	...	...	...	...	...	...	...	...	...	10.0	11.6	14.8	18.0	21.2	22.0	26.0	33.9	37.8	41.8	46.7	51.3
2.00	72	7.218	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	14.0	17.2	18.0	22.1	30.0	34.0	37.9	42.8	47.4
2.05	44	4.411	90	9.023	...	...	...	...	...	...	8.0	9.6	11.2	12.9	14.5	17.6	20.8	24.0	24.8	28.7	36.6	40.6	44.5	49.4	54.0
2.11	38	3.810	80	8.020	...	...	...	...	7.7	9.4	11.0	12.6	14.2	15.8	18.9	22.1	25.3	28.4	26.1	30.0	37.9	41.8	45.8	50.7	55.2
2.12	34	3.409	72	7.218	...	...	...	...	7.1	8.8	10.4	12.0	13.6	15.2	16.7	19.9	23.1	26.2	27.0	31.0	38.9	42.8	46.7	51.6	56.2
2.13	30	3.008	64	6.416	...	...	...	6.5	8.2	9.8	11.4	13.0	14.5	16.1	17.7	20.9	24.0	27.2	28.0	31.9	39.8	43.7	47.7	52.6	57.1
2.15	26	2.607	56	5.614	...	5.1	5.9	7.6	9.2	10.8	12.3	13.9	15.5	17.1	18.7	21.8	25.0	28.1	28.9	32.9	40.8	44.7	48.6	53.5	58.1	
2.18	22	2.206	48	4.812	5.3	6.2	7.0	8.6	10.1	11.7	13.3	14.9	16.5	18.1	19.6	22.8	26.0	29.1	29.9	33.8	41.7	45.7	49.6	54.5	59.0	
2.22	36	3.609	80	8.020	...	...	...	...	7.9	9.5	11.1	12.7	14.3	15.9	19.1	22.2	25.4	28.5	26.2	30.2	38.0	42.0	45.9	50.8	55.4
2.25	32	3.208	72	7.218	...	...	...	...	7.3	8.9	10.5	12.1	13.7	15.3	16.9	20.1	23.2	26.4	27.2	31.1	39.0	42.9	46.9	51.8	56.3
2.25	40	4.010	90	9.023	...	...	...	...	...	...	8.3	9.9	11.5	13.1	14.7	17.9	21.1	24.3	25.1	29.0	36.9	40.9	44.8	49.7	54.3
2.25	64	6.416	144	14.437	11.2	14.5	17.8	18.6	22.6	30.6	34.6	38.5	43.4	48.0
2.29	28	2.807	64	6.416	...	...	...	6.7	8.3	9.9	11.5	13.1	14.7	16.3	17.9	21.0	24.2	27.3	28.1	32.1	40.0	43.9	47.8	52.7	57.3
2.33	24	2.406	56	5.614	...	5.3	6.1	7.7	9.3	10.9	12.5	14.1	15.7	17.2	18.8	22.0	25.1	28.3	29.1	33.0	40.9	44.9	48.8	53.7	58.2	
2.33	48	4.812	112	11.229	...	...	...	...	...	...	...	...	8.9	10.5	12.2	15.4	18.6	21.8	22.6	26.6	34.5	38.4	42.4	47.3	51.9
2.35	34	3.409	80	8.020	...	...	...	...	8.0	9.6	11.2	12.9	14.5	16.0	19.2	22.4	25.6	28.7	26.4	30.3	38.2	42.1	46.1	51.0	55.5
2.37	38	3.810	90	9.023	...	...	...	...	...	...	8.4	10.0	11.7	13.3	14.9	18.1	21.2	24.4	25.2	29.2	37.1	41.0	45.0	49.9	54.4
2.40	30	3.008	72	7.218	...	...	...	...	7.4	9.0	10.6	12.3	13.8	15.4	17.0	20.2	23.4	26.5	27.3	31.3	39.2	43.1	47.0	51.9	56.5
2.40	80	8.020	192	19.249	17.0	25.2	29.2	33.2	38.1	42.8
2.46	26	2.607	64	6.416	...	...	...	6.8	8.4	10.0	11.6	13.2	14.8	16.4	18.0	21.2	24.3	27.5	28.3	32.2	40.1	44.1	48.0	52.9	57.4
2.50	32	3.208	80	8.020	...	...	...	6.5	8.1	9.8	11.4	13.0	14.6	16.2	19.4	22.5	25.7	28.8	26.5	30.5	38.3	42.3	46.2	51.1	55.7
2.50	36	3.609	90	9.023	...	...	...	...	...	...	8.5	10.2	11.8	13.4	15.0	18.2	21.4	24.6	25.4	29.3	37.2	41.2	45.1	50.0	54.6
2.55	22	2.206	56	5.614	...	5.4	6.2	7.8	9.4	11.0	12.6	14.2	15.8	17.4	19.0	22.1	25.3	28.5	29.2	33.2	41.1	45.0	48.9	53.8	58.4	
2.55	44	4.411	112	11.229	...	...	...	...	...	...	...	...	9.1	10.8	12.4	15.7	18.9	22.1	22.9	26.9	34.8	38.7	42.7	47.6	52.2
2.57	28	2.807	72	7.218	...	...	...	5.9	7.5	9.2	10.8	12.4	14.0	15.6	17.2	20.3	23.5	26.7	27.5	31.4	39.3	43.2	47.2	52.1	56.7
2.57	56	5.614	144	14.437	11.8	15.1	18.3	19.2	23.2	31.2	35.1	39.1	44.0	48.6
2.65	34	3.409	90	9.023	...	...	...	...	7.0	8.7	10.3	11.9	13.6	15.2	18.4	21.5	24.7	27.8	25.5	29.5	37.4	41.3	45.3	50.2	54.7
2.67	24	2.406	64	6.416	...	...	5.3	6.9	8.6	10.2	11.8	13.4	15.0	16.6	18.2	21.3	24.5	27.6	28.4	32.4	40.3	44.2	48.1	53.0	57.6
2.67	30	3.008	80	8.020	6.6	8.3	9.9	11.5	13.1	14.7	16.3	19.5	22.7	25.9	26.6	30.6	38.5	42.4	46.4	51.3	55.8	
2.67	72	7.218	192	19.249	17.5	25.7	29.8	33.8	38.7	43.3
Belt Length Factor→				.8				.9				1.0				1.1				1.2						

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SELECTION



8MM 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.	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048	3280	3600	4400
	Belt Length Factor →				.9				1.0				1.1				1.2							
2.77	26	2.607	72	7.218	6.0	7.7	9.3	10.9	12.5	14.1	15.7	17.3	20.5	23.7	26.8	27.6	31.6	39.5	43.4	47.3	52.2	56.8	63.1	78.9
2.80	40	4.010	112	11.229	...	...	...	...	...	9.4	11.1	12.7	16.0	19.2	22.4	23.2	27.1	35.1	39.0	43.0	47.9	52.5	58.8	74.6
2.81	32	3.208	90	9.023	...	...	7.1	8.8	10.4	12.1	13.7	15.3	18.5	21.7	24.9	25.7	29.7	37.5	41.5	45.4	50.3	54.9	61.2	77.0
2.86	28	2.807	80	8.020	...	6.7	8.4	10.0	11.7	13.3	14.9	16.5	19.7	22.8	26.0	26.8	30.8	38.6	42.6	46.5	51.4	56.0	62.3	78.1
2.91	22	2.206	64	6.416	7.1	8.7	10.3	11.9	13.5	15.1	16.7	18.3	21.5	24.6	27.8	28.6	32.5	40.4	44.4	48.3	53.2	57.8	64.1	79.8
2.95	38	3.810	112	11.229	...	...	...	...	...	9.5	11.2	12.8	16.1	19.3	22.5	23.3	27.3	35.2	39.2	43.1	48.0	52.6	58.9	74.7
3.00	24	2.406	72	7.218	6.1	7.8	9.4	11.1	12.7	14.3	15.9	17.5	20.6	23.8	27.0	27.8	31.7	39.6	43.6	47.5	52.4	57.0	63.3	79.0
3.00	30	3.008	90	9.023	...	...	7.3	8.9	10.6	12.2	13.8	15.4	18.6	21.8	25.0	25.8	29.8	37.7	41.6	45.6	50.5	55.0	61.3	77.1
3.00	48	4.812	144	14.437	...	...	...	...	...	...	...	...	12.3	15.6	18.9	19.7	23.7	31.7	35.7	39.7	44.6	49.2	55.5	71.3
3.00	64	6.416	192	19.249	...	...	...	...	...	...	...	...	...	...	...	13.8	18.1	26.3	30.3	34.3	39.3	43.9	50.3	66.1
3.08	26	2.607	80	8.020	...	6.9	8.5	10.2	11.8	13.4	15.0	16.6	19.8	23.0	26.2	26.9	30.9	38.8	42.7	46.7	51.6	56.2	62.5	78.2
3.11	36	3.609	112	11.229	...	...	...	...	...	9.6	11.3	13.0	16.2	19.4	22.7	23.5	27.4	35.4	39.3	43.3	48.2	52.8	59.1	74.9
3.21	28	2.807	90	9.023	...	...	7.4	9.1	10.7	12.3	14.0	15.6	18.8	22.0	25.2	25.9	29.9	37.8	41.8	45.7	50.6	55.2	61.5	77.3
3.27	22	2.206	72	7.218	6.3	7.9	9.6	11.2	12.8	14.4	16.0	17.6	20.8	24.0	27.1	27.9	31.9	39.8	43.7	47.6	52.5	57.1	63.4	79.2
3.27	44	4.411	144	14.437	...	...	...	...	...	...	...	...	12.5	15.9	19.2	20.0	24.0	32.0	36.0	40.0	44.9	49.5	55.8	71.6
3.29	34	3.409	112	11.229	...	...	...	...	...	9.8	11.4	13.1	16.4	19.6	22.8	23.6	27.6	35.5	39.5	43.4	48.3	52.9	59.2	75.0
3.33	24	2.406	80	8.020	...	7.0	8.7	10.3	11.9	13.6	15.2	16.8	19.9	23.1	26.3	27.1	31.0	38.9	42.9	46.8	51.7	56.3	62.6	78.4
3.43	56	5.614	192	19.249	...	...	...	...	...	...	...	...	...	...	13.5	14.3	18.6	26.8	30.9	34.9	39.9	44.5	50.9	66.7
3.46	26	2.607	90	9.023	...	...	7.5	9.2	10.8	12.5	14.1	15.7	18.9	22.1	25.3	26.1	30.1	38.0	41.9	45.9	50.8	55.3	61.6	77.4
3.50	32	3.208	112	11.229	...	...	...	...	8.2	9.9	11.6	13.2	16.5	19.7	22.9	23.7	27.7	35.7	39.6	43.6	48.5	53.1	59.4	75.2
3.60	40	4.010	144	14.437	...	...	...	...	...	...	...	...	12.8	16.1	19.4	20.2	24.3	32.3	36.3	40.3	45.2	49.8	56.1	71.9
3.64	22	2.206	80	8.020	...	7.1	8.8	10.4	12.1	13.7	15.3	16.9	20.1	23.3	26.4	27.2	31.2	39.1	43.0	47.0	51.9	56.5	62.8	78.5
3.73	30	3.008	112	11.229	...	...	...	...	8.3	10.0	11.7	13.4	16.6	19.9	23.1	23.9	27.9	35.8	39.8	43.7	48.6	53.2	59.5	75.3
3.75	24	2.406	90	9.023	...	...	7.6	9.3	11.0	12.6	14.2	15.9	19.1	22.3	25.4	26.2	30.2	38.1	42.1	46.0	50.9	55.5	61.8	77.6
3.79	38	3.810	144	14.437	...	...	...	...	...	...	...	...	12.9	16.3	19.6	20.4	24.4	32.5	36.4	40.4	45.3	49.9	56.3	72.1
4.00	28	2.807	112	11.229	...	...	...	...	8.4	10.2	11.8	13.5	16.8	20.0	23.2	24.0	28.0	36.0	39.9	43.9	48.8	53.4	59.7	75.5
4.00	36	3.609	144	14.437	...	...	...	...	...	...	...	...	13.1	16.4	19.7	20.5	24.6	32.6	36.6	40.6	45.5	50.1	56.4	72.2
4.00	48	4.812	192	19.249	...	...	...	...	...	...	...	...	...	...	14.0	14.8	19.1	27.4	31.4	35.4	40.4	45.1	51.4	67.3
4.09	22	2.206	90	9.023	...	...	7.8	9.5	11.1	12.8	14.4	16.0	19.2	22.4	25.6	26.4	30.3	38.3	42.2	46.2	51.1	55.6	61.9	77.7
4.24	34	3.409	144	14.437	...	...	...	...	...	...	...	9.7	13.2	16.5	19.8	20.7	24.7	32.7	36.7	40.7	45.6	50.2	56.6	72.4
4.31	26	2.607	112	11.229	...	...	...	...	8.6	10.3	12.0	13.6	16.9	20.1	23.4	24.2	28.2	36.1	40.1	44.0	48.9	53.5	59.8	75.6
4.36	44	4.411	192	19.249	...	...	...	...	...	...	...	...	...	...	14.2	15.1	19.4	27.6	31.7	35.7	40.7	45.3	51.7	67.6
4.50	32	3.208	144	14.437	...	...	...	...	...	...	...	9.8	13.3	16.7	20.0	20.8	24.8	32.9	36.9	40.9	45.8	50.4	56.7	72.5
4.67	24	2.406	112	11.229	...	...	...	...	8.7	10.4	12.1	13.8	17.0	20.3	23.5	24.3	28.3	36.3	40.2	44.2	49.1	53.7	60.0	75.8
4.80	30	3.008	144	14.437	...	...	...	...	...	...	...	10.0	13.4	16.8	20.1	20.9	25.0	33.0	37.0	41.0	45.9	50.5	56.9	72.7
4.80	40	4.010	192	19.249	...	...	...	...	...	...	...	...	...	...	14.5	15.3	19.6	27.9	32.0	36.0	41.0	45.6	52.0	67.9
5.05	38	3.810	192	19.249	...	...	...	...	...	...	...	...	...	...	14.6	15.5	19.7	28.0	32.1	36.1	41.1	45.8	52.1	68.0
5.09	22	2.206	112	11.229	...	...	...	...	8.8	10.5	12.2	13.9	17.2	20.4	23.6	24.4	28.4	36.4	40.4	44.3	49.2	53.8	60.1	75.9
5.14	28	2.807	144	14.437	...	...	...	...	...	...	...	10.1	13.6	16.9	20.2	21.1	25.1	33.2	37.2	41.1	46.1	50.7	57.0	72.8
5.33	36	3.609	192	19.249	...	...	...	...	...	...	...	...	...	...	14.7	15.6	19.9	28.2	32.2	36.3	41.3	45.9	52.3	68.2
5.54	26	2.607	144	14.437	...	...	...	...	...	...	...	10.2	13.7	17.1	20.4	21.2	25.3	33.3	37.3	41.3	46.2	50.8	57.2	73.0
5.65	34	3.409	192	19.249	...	...	...	...	...	...	...	...	...	...	14.8	15.7	20.0	28.3	32.4	36.4	41.4	46.0	52.4	68.3
6.00	24	2.406	144	14.437	...	...	...	...	...	...	...	10.3	13.8	17.2	20.5	21.3	25.4	33.4	37.4	41.4	46.4	51.0	57.3	73.1
6.00	32	3.208	192	19.249	...	...	...	...	...	...	...	...	...	...	15.0	15.8	20.1	28.4	32.5	36.6	41.5	46.2	52.6	68.5
6.40	30	3.008	192	19.249	...	...	...	...	...	...	...	...	...	...	15.1	16.0	20.3	28.6	32.6	36.7	41.7	46.3	52.7	68.6
6.55	22	2.206	144	14.437	...	...	...	...	...	...	...	10.5	13.9	17.3	20.6	21.5	25.5	33.6	37.6	41.6	46.5	51.1	57.4	73.3
6.86	28	2.807	192	19.249	...	...	...	...	...	...	...	...	...	...	15.2	16.1	20.4	28.7	32.8	36.8	41.8	46.5	52.9	68.8
7.38	26	2.607	192	19.249	...	...	...	...	...	...	...	...	...	11.7	15.3	16.2	20.5	28.8	32.9	37.0	42.0	46.6	53.0	68.9
8.00	24	2.406	192	19.249	...	...	...	...	...	...	...	...	...	11.8	15.5	16.3	20.6	29.0	33.1	37.1	42.1	46.8	53.1	69.1
8.73	22	2.206	192	19.249	12.0	15.6	16.5	20.8	29.1	33.2	37.2	42.2	46.9	53.3	69.2
Belt Length factor →					.8				.9				1.1				1.2							

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SELECTION



14MM 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.	966 1190	1400 1610	1778 1890	2100 2310	2450	2590 2800	3150	3360 3500	3850	4326 4578	4956 5320	5740	6160	6860		
	Belt Length Factor →				.8	.9	.95	1.0			1.05			1.1						
1.00	28	4.912	28	4.912	11.3 15.7	19.8 24.0	27.3 29.5	33.6 37.8	40.5	43.3 47.4	54.3	58.4 61.2	68.1	77.4 82.4	89.8	97.0 105.3	113.5	127.3		
1.00	29	5.088	29	5.088	11.0 15.4	19.6 23.7	27.0 29.2	33.4 37.5	40.2	43.0 47.1	54.0	58.2 60.9	67.8	77.2 82.1	89.6	96.7 105.0	113.3	127.1		
1.00	30	5.263	30	5.263	10.8 15.2	19.3 23.4	26.7 28.9	33.1 37.2	40.0	42.7 46.9	53.7	57.9 60.6	67.5	76.9 81.9	89.3	96.5 104.7	113.0	126.8		
1.00	32	5.614	32	5.614	10.2 14.6	18.7 22.9	26.2 28.4	32.5 36.7	39.4	42.2 46.3	53.2	57.3 60.1	67.0	76.3 81.3	88.7	95.9 104.2	112.4	126.2		
1.00	34	5.965	34	5.965	9.7 14.1	18.2 22.3	25.6 27.8	32.0 36.1	38.9	41.6 45.8	52.6	56.8 59.5	66.4	75.8 80.8	88.2	95.4 103.6	111.9	125.7		
1.00	36	6.316	36	6.316	9.1 13.5	17.6 21.8	25.1 27.3	31.4 35.6	38.3	41.1 45.2	52.1	56.2 59.0	65.9	75.2 80.2	87.6	94.8 103.1	113.3	125.1		
1.00	38	6.667	38	6.667	8.5 13.0	17.1 21.2	24.5 26.7	30.9 35.0	37.8	40.5 44.7	51.5	55.7 58.4	65.3	74.7 79.7	87.1	94.3 102.5	110.8	124.6		
1.00	40	7.018	40	7.018	... 12.4	16.5 20.7	24.0 26.2	30.3 34.5	37.2	40.0 44.1	51.0	55.1 57.9	64.8	74.1 79.1	86.5	93.7 102.0	110.2	124.0		
1.00	44	7.720	44	7.720	... 11.3	15.4 19.6	22.9 25.1	29.2 33.4	36.1	38.9 43.0	49.9	54.0 56.8	63.7	73.0 78.0	85.4	92.6 100.9	109.1	122.9		
1.00	48	8.421	48	8.421	... 10.2	14.3 18.5	21.8 24.0	28.1 32.3	35.0	37.8 41.9	48.8	52.9 55.7	62.6	71.9 76.9	84.3	91.5 99.8	108.0	121.8		
1.00	52	9.123	52	9.123	... ..	13.2 17.4	20.7 22.9	27.0 31.1	33.9	36.7 40.8	47.7	51.8 54.6	61.5	70.8 75.8	83.2	90.4 98.7	106.9	120.7	
1.00	56	9.825	56	9.825	... ..	12.1 16.3	19.6 21.8	25.9 30.0	32.8	35.6 39.7	46.6	50.7 53.5	60.4	69.7 74.7	82.1	89.3 97.6	105.8	119.6	
1.00	60	10.527	60	10.527	... ..	... 15.2	18.5 20.7	24.8 28.9	31.7	34.5 38.6	45.5	49.6 52.4	59.3	68.6 73.6	81.0	88.2 96.5	104.7	118.5
1.00	64	11.229	64	11.229	... ..	... 14.1	17.4 19.6	23.7 27.8	30.6	33.4 37.5	44.4	48.5 51.3	58.2	67.5 72.5	79.9	87.1 95.4	103.6	117.4
1.00	68	11.930	68	11.930	... ..	... ..	16.3 18.5	22.6 26.7	29.5	32.3 36.4	43.3	47.4 50.2	57.1	66.4 71.4	78.8	86.0 94.3	102.5	116.3
1.00	72	12.632	72	12.632	... ..	... ..	15.2 17.4	21.5 25.6	28.4	31.2 35.3	42.2	46.3 49.1	56.0	65.3 70.3	77.7	84.9 93.2	101.4	115.2
1.00	80	14.036	80	14.036	... ..	... ..	... 15.2	19.3 23.4	26.2	28.9 33.1	40.0	44.1 46.9	53.8	63.1 68.1	75.5	82.7 91.0	99.2	113.0
1.03	29	5.088	30	5.263	10.9 15.3	19.4 23.6	26.9 29.1	33.2 37.3	40.1	42.9 47.0	53.9	58.0 60.8	67.7	77.0 82.0	89.4	96.6 104.9	113.1	126.9		
1.04	28	4.912	29	5.088	11.2 15.6	19.7 23.8	27.1 29.4	33.5 37.6	40.4	43.1 47.3	54.2	58.3 61.0	67.9	77.3 82.3	89.7	96.9 105.1	113.4	127.2		
1.05	38	6.667	40	7.018	8.3 12.7	16.8 20.9	24.3 26.5	30.6 34.7	37.5	40.2 44.4	51.3	55.4 58.2	65.0	74.4 79.4	86.8	94.0 102.2	110.5	124.3		
1.06	36	6.316	38	6.667	8.8 13.2	17.4 21.5	24.8 27.0	31.1 35.3	38.0	40.8 44.9	51.8	55.9 58.7	65.6	75.0 79.9	87.4	94.5 102.8	111.1	124.8		
1.06	34	5.965	36	6.316	9.4 13.8	17.9 22.1	25.4 27.6	31.7 35.8	38.6	41.3 45.5	52.4	56.5 59.3	66.1	75.5 80.5	87.9	95.1 103.4	111.6	125.4		
1.06	68	11.930	72	12.632	... ..	... ..	15.7 17.9	22.1 26.2	28.9	31.7 35.8	42.7	46.9 49.6	56.5	65.9 70.8	78.3	85.4 93.7	102.0	115.8
1.06	32	5.614	34	5.965	9.9 14.3	18.5 22.6	25.9 28.1	32.2 36.4	39.1	41.9 46.0	52.9	57.1 59.8	66.7	76.1 81.0	88.5	95.6 103.9	112.2	125.9		
1.06	64	11.229	68	11.930	... ..	... 13.5	16.8 19.0	23.2 27.3	30.0	32.8 36.9	43.8	48.0 50.7	57.6	67.0 71.9	79.4	86.5 94.8	103.1	116.9
1.07	30	5.263	32	5.614	10.5 14.9	19.0 23.2	26.5 28.7	32.8 36.9	39.7	42.4 46.6	53.5	57.6 60.4	67.2	76.6 81.6	89.0	96.2 104.5	112.7	126.5		
1.07	60	10.527	64	11.229	... ..	... 14.6	17.9 20.1	24.3 28.4	31.1	33.9 38.0	44.9	49.1 51.8	58.7	68.1 73.0	80.5	87.6 95.9	104.2	118.0
1.07	28	4.912	30	5.263	11.0 15.4	19.6 23.7	27.0 29.2	33.3 37.5	40.2	43.0 47.1	54.0	58.2 60.9	67.8	77.2 82.1	89.6	96.7 105.0	113.3	127.1		
1.07	56	9.825	60	10.527	... ..	11.6 15.7	19.0 21.2	25.4 29.5	32.3	35.0 39.1	46.0	50.2 52.9	59.8	69.2 74.1	81.6	88.7 97.0	105.3	119.1	
1.08	52	9.123	56	9.825	... ..	12.7 16.8	20.1 22.3	26.5 30.6	33.4	36.1 40.2	47.1	51.3 54.0	60.9	70.3 75.2	82.7	89.8 98.1	106.4	120.2	
1.08	48	8.421	52	9.123	... ..	13.8 17.9	21.2 23.4	27.6 31.7	34.5	37.2 41.3	48.2	52.4 55.1	62.0	71.4 76.3	83.8	91.0 99.2	107.5	121.3	
1.09	44	7.720	48	8.421	... 10.7	14.9 19.0	22.3 24.5	28.7 32.8	35.6	38.3 42.4	49.3	53.5 56.2	63.1	72.5 77.4	84.9	92.1 100.3	108.6	122.4		
1.10	40	7.018	44	7.720	... 11.9	16.0 20.1	23.4 25.6	29.8 33.9	36.7	39.4 43.5	50.4	54.6 57.3	64.2	73.6 78.5	86.0	93.2 101.4	109.7	123.5		
1.10	29	5.088	32	5.614	10.6 15.0	19.2 23.3	26.6 28.8	32.9 37.1	39.8	42.6 46.7	53.6	57.7 60.5	67.4	76.8 81.7	89.2	96.3 104.6	112.9	126.6		
1.11	36	6.316	40	7.018	8.5 13.0	17.1 21.2	24.5 26.7	30.9 35.0	37.8	40.5 44.6	51.5	55.7 58.4	65.3	74.7 79.7	87.1	94.3 102.5	110.8	124.6		
1.11	72	12.632	80	14.036	... ..	... ..	... 16.3	20.4 24.5	27.3	30.0 34.2	41.1	45.2 48.0	54.8	64.2 69.2	76.6	83.8 92.1	100.3	114.1
1.12	34	5.965	38	6.667	9.1 13.5	17.6 21.8	25.1 27.3	31.4 35.6	38.3	41.1 45.2	52.1	56.2 59.0	65.9	75.2 80.2	87.6	94.8 103.1	111.3	125.1		
1.13	32	5.614	36	6.316	9.6 14.1	18.2 22.3	25.6 27.8	32.0 36.1	38.9	41.6 45.8	52.6	56.8 59.5	66.4	75.8 80.8	88.2	95.4 103.6	111.9	125.7		
1.13	64	11.229	72	12.632	... ..	... ..	16.3 18.5	22.6 26.7	29.5	32.2 36.4	43.3	47.4 50.2	57.1	66.4 71.4	78.8	86.0 94.3	102.5	116.3
1.13	80	14.036	90	15.790	... ..	... ..	... ..	17.9 22.0	24.8	27.6 31.7	38.6	42.7 45.5	52.4	61.7 66.7	74.1	81.3 89.6	97.8	111.6
1.13	30	5.263	34	5.965	10.2 14.6	18.7 22.9	26.2 28.4	32.5 36.7	39.4	42.2 46.3	53.2	57.3 60.1	67.0	76.3 81.3	88.7	95.9 104.2	112.4	126.2		
1.13	60	10.527	68	11.930	... ..	... 14.0	17.4 19.6	23.7 27.8	30.6	33.3 37.5	44.4	48.5 51.3	58.2	67.5 72.5	79.9	87.1 95.4	103.6	117.4
1.14	28	4.912	32	5.614	10.7 15.2	19.3 23.4	26.7 28.9	33.1 37.2	40.0	42.7 46.9	53.7	57.9 60.6	67.5	76.9 81.9	89.3	96.5 104.7	113.0	126.8		
1.14	56	9.825	64	11.229	... ..	... 15.1	18.5 20.7	24.8 28.9	31.7	34.4 38.6	45.5	49.6 52.4	59.3	68.6 73.6	81.0	88.2 96.5	104.7	118.5
1.15	52	9.123	60	10.527	... ..	12.1 16.3	19.6 21.8	25.9 30.0	32.8	35.6 39.7	46.6	50.7 53.5	60.4	69.7 74.7	82.1	89.3 97.6	105.8	119.6	
1.16	38	6.667	44	7.720	... 12.1	16.3 20.4	23.7 25.9	30.0 34.2	36.9	39.7 43.8	50.7	54.8 57.6	64.5	73.9 78.8	86.3	93.4 101.7	110.0	123.7		
1.17	48	8.421	56	9.825	... ..	13.2 17.4	20.7 22.9	27.0 31.1	33.9	36.7 40.8	47.7	51.8 54.6	61.5	70.8 75.8	83.2	90.4 98.7	106.9	120.7	
1.17	29	5.088	34	5.965	10.3 14.7	18.9 23.0	26.3 28.5	32.7 36.8	39.5	42.3 46.4	53.3	57.5 60.2	67.1	76.5 81.4	88.9	96.0 104.3	112.6	126.4		
1.18	34	5.965	40	7.018	8.8 13.2	17.4 21.5	24.8 27.0	31.1 35.3	38.0	40.8 44.9	51.8	55.9 58.7	65.6	75.0 79.9	87.4	94.5 102.8	111.1	124.8		
1.18	68	11.930	80	14.036	14.6 16.8	20.9 25.1	27.8	30.6 34.7	41.6	45.7 48.5	55.4	64.8 69.7	77.2	84.3 92.6	100.9	114.7		
Belt Length Factor →					.8	.9	.95	1.0			1.05			1.1						

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SELECTION



14MM 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.	966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860
Belt Length Factor →				.8	.9	.95	1.0	1.05	1.1																	
1.18	44	7.720	52	9.123	...	10.2	14.3	18.5	21.8	24.0	28.1	32.2	35.0	37.8	41.9	48.8	52.9	55.7	62.6	71.9	76.9	84.3	91.5	99.8	108.0	121.8
1.19	32	5.614	38	6.667	9.4	13.8	17.9	22.0	25.4	27.6	31.7	35.8	38.6	41.3	45.5	52.4	56.5	59.3	66.1	75.5	80.5	87.9	95.1	103.3	111.6	125.4
1.20	30	5.263	36	6.316	9.9	14.3	18.5	22.6	25.9	28.1	32.2	36.4	39.1	41.9	46.0	52.9	57.0	59.8	66.7	76.1	81.0	88.5	95.6	103.9	112.2	125.9
1.20	40	7.018	48	8.421	...	11.3	15.4	19.6	22.9	25.1	29.2	33.3	36.1	38.9	43.0	49.9	54.0	56.8	63.7	73.0	78.0	85.4	92.6	100.9	109.1	122.9
1.20	60	10.527	72	12.632	...	...	...	13.5	16.8	19.0	23.1	27.3	30.0	32.8	36.9	43.8	47.9	50.7	57.6	67.0	71.9	79.4	86.5	94.8	103.1	116.9
1.21	28	4.912	34	5.965	10.5	14.9	19.0	23.1	26.5	28.7	32.8	36.9	39.7	42.4	46.6	53.5	57.6	60.4	67.2	76.6	81.6	89.0	96.2	104.5	112.7	126.5
1.21	56	9.825	68	11.930	...	...	...	14.6	17.9	20.1	24.2	28.4	31.1	33.9	38.0	44.9	49.1	51.8	58.7	68.1	73.0	80.5	87.6	95.9	104.2	118.0
1.22	36	6.316	44	7.720	...	12.4	16.5	20.7	24.0	26.2	30.3	34.4	37.2	40.0	44.1	51.0	55.1	57.9	64.8	74.1	79.1	86.5	93.7	102.0	110.2	124.0
1.23	52	9.123	64	11.229	...	...	11.5	15.7	19.0	21.2	25.3	29.5	32.2	35.0	39.1	46.0	50.2	52.9	59.8	69.2	74.1	81.6	88.7	97.0	105.3	119.1
1.24	29	5.088	36	6.316	10.0	14.5	18.6	22.7	26.0	28.2	32.4	36.5	39.3	42.0	46.2	53.1	57.2	59.9	66.8	76.2	81.2	88.6	95.8	104.0	112.3	126.1
1.25	32	5.614	40	7.018	9.1	13.5	17.6	21.8	25.1	27.3	31.4	35.5	38.3	41.1	45.2	52.1	56.2	59.0	65.9	75.2	80.2	87.6	94.8	103.1	111.3	125.1
1.25	48	8.421	60	10.527	...	...	12.6	16.8	20.1	22.3	26.4	30.6	33.3	36.1	40.2	47.1	51.3	54.0	60.9	70.3	75.2	82.7	89.8	98.1	106.4	120.2
1.25	64	11.229	80	14.036	...	...	...	...	15.1	17.3	21.5	25.6	28.4	31.1	35.3	42.1	46.3	49.0	55.9	65.3	70.3	77.7	84.9	93.1	101.4	115.2
1.25	72	12.632	90	15.790	...	...	...	...	...	...	19.0	23.1	25.9	28.6	32.8	39.7	43.8	46.6	53.5	62.8	67.8	75.2	82.4	90.7	98.9	112.7
1.26	38	6.667	48	8.421	...	11.5	15.7	19.8	23.1	25.3	29.5	33.6	36.4	39.1	43.3	50.2	54.3	57.0	63.9	73.3	78.3	85.7	92.9	101.1	109.4	123.2
1.27	30	5.263	38	6.667	9.6	14.0	18.2	22.3	25.6	27.8	32.0	36.1	38.9	41.6	45.7	52.6	56.8	59.5	66.4	75.8	80.7	88.2	95.4	103.6	111.9	125.7
1.27	44	7.720	56	9.825	...	...	13.7	17.9	21.2	23.4	27.5	31.7	34.4	37.2	41.3	48.2	52.4	55.1	62.0	71.4	76.3	83.8	90.9	99.2	107.5	121.3
1.29	28	4.912	36	6.316	10.2	14.6	18.7	22.7	26.2	28.4	32.5	36.7	39.4	42.2	46.3	53.2	57.3	60.1	67.0	76.3	81.3	88.7	95.9	104.2	112.4	126.2
1.29	56	9.825	72	12.632	...	...	14.0	...	17.3	19.5	23.7	27.8	30.6	33.3	37.5	44.4	48.5	51.2	58.1	67.5	72.5	79.9	87.1	95.4	103.6	117.4
1.29	34	5.965	44	7.720	8.2	12.6	16.8	20.9	24.2	26.4	30.6	34.7	37.5	40.2	44.4	51.3	55.4	58.1	65.0	74.4	79.4	86.8	94.0	102.2	110.5	124.3
1.30	40	7.018	52	9.123	...	10.7	14.8	19.0	22.3	24.5	28.6	32.8	35.5	38.3	42.4	49.3	53.5	56.2	63.1	72.5	77.4	84.9	92.0	100.3	108.6	122.4
1.31	52	9.123	68	11.930	...	...	15.1	...	18.4	20.6	24.8	28.9	31.7	34.4	38.6	45.5	49.6	52.4	59.2	68.6	73.6	81.0	88.2	96.5	104.7	118.5
1.31	29	5.088	38	6.667	9.8	14.2	18.3	22.5	25.8	28.0	32.1	36.2	39.0	41.7	45.9	52.8	56.9	59.7	66.6	75.9	80.9	88.3	95.5	103.8	112.0	125.8
1.32	68	11.930	90	15.790	...	...	...	...	15.3	...	19.5	23.6	26.4	29.2	33.3	40.2	44.3	47.1	54.0	63.4	68.3	75.8	82.9	91.2	99.5	113.3
1.33	30	5.263	40	7.018	9.3	13.8	17.9	22.0	25.3	27.5	31.7	35.8	38.6	41.3	45.5	52.4	56.5	59.2	66.1	75.5	80.5	87.9	95.1	103.3	111.6	125.4
1.33	36	6.316	48	8.421	...	11.8	16.0	20.1	23.4	25.6	29.7	33.9	36.6	39.4	43.5	50.4	54.6	57.3	64.2	73.6	78.5	86.0	93.1	93.1	109.7	123.5
1.33	48	8.421	64	11.229	...	...	12.0	16.2	19.5	21.7	25.9	30.0	32.8	35.5	39.7	46.6	50.7	53.5	60.3	69.7	74.7	82.1	89.3	97.6	105.8	119.6
1.33	60	10.527	80	14.036	...	...	...	...	15.6	17.8	22.0	26.1	28.9	31.6	35.8	42.7	46.8	49.6	56.5	65.9	70.8	78.3	85.4	93.7	102.0	115.7
1.36	28	4.912	38	6.667	9.9	14.3	18.4	22.6	25.9	28.1	32.2	36.4	39.1	41.9	46.0	52.9	57.0	59.8	66.7	76.1	81.0	88.5	95.6	103.9	112.2	125.9
1.36	44	7.720	60	10.527	...	...	13.2	17.3	20.6	22.8	27.0	31.1	33.9	36.6	40.8	47.7	51.8	54.6	61.4	70.8	75.8	83.2	90.4	98.7	106.9	120.7
1.37	38	6.667	52	9.123	...	11.0	15.1	19.3	22.6	24.8	28.9	33.1	35.8	38.6	42.7	49.6	53.7	56.5	63.4	72.8	77.7	85.2	92.3	100.6	108.9	122.6
1.38	32	5.614	44	7.720	8.5	12.9	17.1	21.2	24.5	26.7	30.9	35.0	37.7	40.5	44.6	51.5	55.7	58.4	65.3	74.7	79.6	87.1	94.3	102.5	110.8	124.6
1.38	29	5.088	40	7.018	9.5	13.9	18.0	22.2	25.5	27.7	31.8	36.0	38.7	41.5	45.6	52.5	56.6	59.4	66.3	75.6	80.6	88.1	95.2	103.5	111.8	125.5
1.38	52	9.123	72	12.632	...	...	14.5	...	17.8	20.0	24.2	28.3	31.1	33.9	38.0	44.9	49.0	51.8	58.7	68.1	73.0	80.5	87.6	95.9	104.2	117.9
1.40	40	7.018	56	9.825	...	10.1	14.3	18.4	21.7	23.9	28.1	32.2	35.0	37.7	41.9	48.8	52.9	55.7	62.5	71.9	76.9	84.3	91.5	99.8	108.0	121.8
1.40	80	14.036	112	19.650	...	...	...	...	...	...	18.8	21.6	...	24.4	28.5	35.4	39.6	42.4	49.3	58.6	63.6	71.1	78.2	86.5	94.8	108.6
1.41	64	11.229	90	15.790	...	...	...	...	...	15.8	20.0	24.1	26.9	29.7	33.8	40.7	44.9	47.6	54.5	63.9	68.9	76.3	83.5	91.8	100.0	113.8
1.41	34	5.965	48	8.421	...	12.1	16.2	20.4	23.7	25.9	30.0	34.2	36.9	39.7	43.8	50.7	54.8	57.6	64.5	73.9	78.8	86.3	93.4	101.7	110.0	123.7
1.42	48	8.421	68	11.930	...	...	11.4	15.6	18.9	21.1	25.3	29.4	32.2	35.0	39.1	46.0	50.1	52.9	59.8	69.2	74.1	81.6	88.7	97.0	105.3	119.0
1.43	28	4.912	40	7.018	9.6	14.0	18.2	22.3	25.6	27.8	32.0	36.1	38.8	41.6	45.7	52.6	56.8	59.5	66.4	75.8	80.7	88.2	95.4	103.6	111.9	125.7
1.43	56	9.825	80	14.036	...	...	...	...	16.1	18.3	22.5	26.7	29.4	32.2	36.3	43.2	47.4	50.1	57.0	66.4	71.4	78.8	86.0	94.2	102.5	116.3
1.44	36	6.316	52	9.123	...	11.2	15.4	19.5	22.8	25.0	29.2	33.3	36.1	38.8	43.0	49.9	54.0	56.8	63.7	73.0	78.0	85.4	92.6	100.9	109.1	122.9
1.45	44	7.720	64	11.229	...	...	12.6	16.7	20.0	22.3	26.4	30.5	33.3	36.1	40.2	47.1	51.2	54.0	60.9	70.3	75.2	82.7	89.8	98.1	106.4	120.2
1.47	30	5.263	44	7.720	8.7	13.2	17.3	21.5	24.8	27.0	31.1	35.3	38.0	40.8	44.9	51.8	55.9	58.7	65.6	75.0	79.9	87.4	94.5	102.8	111.1	124.8
1.47	38	6.667	56	9.825	...	10.3	14.5	18.7	22.0	24.2	28.3	32.5	35.2	38.0	42.1	49.0	53.2	55.9	62.8	72.2	77.2	84.6	91.8	100.0	108.3	122.1
1.50	32	5.614	48	8.421	...	12.3	16.5	20.6	23.9	26.1	30.3	34.4	37.2	39.9	44.1	51.0	55.1	57.9	64.8	74.1	79.1	86.5	93.7	102.0	110.2	124.0
1.50	40	7.018	60	10.527	...	...	13.7	17.8	21.1	23.4	27.5	31.6	34.4	37.2	41.3	48.2	52.3	55.1	62.0	71.4	76.3	83.8	90.9	99.2	107.5	121.3
1.50	48	8.421	72	12.632	...	...	15.0	...	18.3	20.6	24.7	28.9	31.6	34.4	38.5	45.4	49.6	52.3	59.2	68.6	73.6	81.0	88.2	96.4	104.7	118.5
1.50	60	10.527	90	15.790	...	...	...	...	16.3	...	20.5	24.7	27.4	30.2	34.3	41.3										



SELECTION

14MM 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.	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860	
	Belt Length Factor→				.8	.9	.95	1.0	1.05	1.1																
1.53	34	5.965	52	9.123	11.5	15.6	19.8	23.1	25.3	29.4	33.6	36.3	39.1	43.2	50.1	54.3	57.0	63.9	73.3	78.3	85.7	92.9	101.1	109.4	123.2	
1.54	52	9.123	80	14.036	...	...	13.3	16.6	18.9	23.0	27.2	29.9	32.7	36.8	43.8	47.9	50.7	57.6	66.9	71.9	79.3	86.5	94.8	103.0	116.8
1.55	44	7.720	68	11.930	...	11.9	16.1	19.5	21.7	25.8	30.0	32.7	35.5	39.6	46.5	50.7	53.4	60.3	69.7	74.7	82.1	89.3	97.5	105.8	119.6	
1.56	36	6.316	56	9.825	10.6	14.8	18.9	22.3	24.5	28.6	32.8	35.5	38.3	42.4	49.3	53.4	56.2	63.1	72.5	77.4	84.9	92.0	100.3	108.6	122.4	
1.56	72	12.632	112	19.650	...	...	...	...	...	...	19.8	22.6	25.4	29.6	36.5	40.6	43.4	50.3	59.7	64.7	72.1	79.3	87.6	95.8	109.6
1.57	28	4.912	44	7.720	13.4	17.6	21.7	25.0	27.2	31.4	35.5	38.3	41.0	45.2	52.1	56.2	59.0	65.9	75.2	80.2	87.6	94.8	103.1	111.3	125.1	
1.58	38	6.667	60	10.527	9.7	13.9	18.1	21.4	23.6	27.8	31.9	34.7	37.4	41.6	48.5	52.6	55.4	62.3	71.6	76.6	84.0	91.2	99.5	107.7	121.5	
1.60	30	5.263	48	8.421	12.6	16.7	20.9	24.2	26.4	30.6	34.7	37.4	40.2	44.3	51.2	55.4	58.1	65.0	74.4	79.4	86.8	94.0	102.2	110.5	124.3	
1.60	40	7.018	64	11.229	...	13.1	17.2	20.6	22.8	26.9	31.1	33.8	36.6	40.7	47.6	51.8	54.5	61.4	70.8	75.8	83.2	90.4	98.6	106.9	120.7	
1.61	56	9.825	90	15.790	...	...	...	14.6	16.8	21.0	25.2	27.9	30.7	34.9	41.8	45.9	48.7	55.6	65.0	69.9	77.4	84.6	92.8	101.1	114.9
1.63	32	5.614	52	9.123	11.7	15.9	20.0	23.4	25.6	29.7	33.9	36.6	39.4	43.5	50.4	54.5	57.3	64.2	73.6	78.5	86.0	93.1	101.4	109.7	123.5	
1.64	44	7.720	72	12.632	...	...	15.5	18.9	21.1	25.2	29.4	32.2	34.9	39.1	46.0	50.1	52.9	59.8	69.1	74.1	81.5	88.7	97.0	105.3	119.0
1.65	34	5.965	56	9.825	10.8	15.0	19.2	22.5	24.7	28.9	33.0	35.8	38.5	42.7	49.6	53.7	56.5	63.4	72.7	77.7	85.1	92.3	100.6	108.8	122.6	
1.65	68	11.930	112	19.650	...	...	...	...	...	...	20.3	23.1	25.9	30.1	37.0	41.2	43.9	50.8	60.2	65.2	72.7	79.8	88.1	96.4	110.2
1.66	29	5.088	48	8.421	12.7	16.9	21.0	24.3	26.5	30.7	34.8	37.6	40.3	44.5	51.4	55.5	58.3	65.2	74.5	79.5	86.9	94.1	102.4	110.6	124.4	
1.67	36	6.316	60	10.527	10.0	14.2	18.3	21.7	23.9	28.0	32.2	34.9	37.7	41.8	48.7	52.9	55.6	62.5	71.9	76.9	84.3	91.5	99.7	108.0	121.8	
1.67	48	8.421	80	14.036	...	...	13.8	17.1	19.4	23.5	27.7	30.5	33.2	37.4	44.3	48.4	51.2	58.1	67.5	72.4	79.9	87.0	95.3	103.6	117.4
1.68	38	6.667	64	11.229	...	13.3	17.5	20.8	23.0	27.2	31.3	34.1	36.9	41.0	47.9	52.0	54.8	61.7	71.1	76.0	83.5	90.6	98.9	107.2	121.0	
1.70	40	7.018	68	11.930	...	12.4	16.6	20.0	22.2	26.3	30.5	33.3	36.0	40.2	47.1	51.2	54.0	60.9	70.2	75.2	82.6	89.8	98.1	106.4	120.1	
1.71	28	4.912	48	8.421	12.8	17.0	21.1	24.5	26.7	30.8	35.0	37.7	40.5	44.6	51.5	55.6	58.4	65.3	74.7	79.6	87.1	94.2	102.5	110.8	124.6	
1.73	52	9.123	90	15.790	...	...	...	15.1	17.3	21.5	25.7	28.5	31.2	35.4	42.3	46.5	49.2	56.1	65.5	70.5	77.9	85.1	93.4	101.6	115.4
1.73	30	5.263	52	9.123	12.0	16.1	20.3	23.6	25.8	30.0	34.1	36.9	39.6	43.8	50.7	54.8	57.6	64.5	73.8	78.8	86.2	93.4	101.7	109.9	123.7	
1.75	32	5.814	56	9.825	11.1	15.3	19.4	22.8	25.0	29.1	33.3	36.0	38.8	42.9	49.8	54.0	56.7	63.6	73.0	78.0	85.4	92.6	100.8	109.1	122.9	
1.75	64	11.229	112	19.650	...	...	...	...	...	...	20.8	23.6	26.4	30.6	37.5	41.7	44.4	51.4	60.8	65.7	73.2	80.4	88.6	96.9	110.7
1.76	34	5.965	60	10.527	10.2	14.4	18.6	21.9	24.1	28.3	32.4	35.2	38.0	42.1	49.0	53.1	55.9	62.8	72.2	77.1	84.6	91.7	100.0	108.3	122.1	
1.78	36	6.316	64	11.229	...	13.5	17.7	21.1	23.3	27.4	31.6	34.4	37.1	41.3	48.2	52.3	55.1	62.0	71.3	76.3	83.7	90.9	99.2	107.5	121.2	
1.79	38	6.667	68	11.930	...	12.7	16.9	20.2	22.4	26.6	30.8	33.5	36.3	40.4	47.3	51.5	54.2	61.1	70.5	75.5	82.9	90.1	98.4	106.6	120.4	
1.79	29	5.088	52	9.123	12.1	16.3	20.4	23.8	26.0	30.1	34.3	37.0	39.8	43.9	50.8	54.9	57.7	64.6	74.0	78.9	86.4	93.5	101.8	110.1	123.9	
1.80	40	7.018	72	12.632	...	11.8	16.0	19.4	21.6	25.7	29.9	32.7	35.4	39.6	46.5	50.6	53.4	60.3	69.7	74.6	82.1	89.3	97.5	105.8	119.6	
1.80	80	14.036	144	25.264	...	...	...	...	...	...	...	...	...	23.6	30.6	34.8	37.6	44.6	54.0	59.0	66.5	73.6	81.9	90.2	104.0
1.82	44	7.720	80	14.036	...	...	14.2	17.6	19.9	24.0	28.2	31.0	33.7	37.9	44.8	49.0	51.7	58.6	68.0	73.0	80.4	87.6	95.9	104.1	117.9
1.86	28	4.912	52	9.123	12.2	16.4	20.6	23.9	26.1	30.2	34.4	37.1	39.9	44.0	50.9	55.1	57.8	64.7	74.1	79.1	86.5	93.7	102.0	110.2	124.0	
1.87	30	5.263	56	9.825	11.3	15.5	19.7	23.0	25.2	29.4	33.5	36.3	39.1	43.2	50.1	54.2	57.0	63.9	73.3	78.2	85.7	92.8	101.1	109.4	123.2	
1.87	60	10.527	112	19.650	17.0	21.3	24.1	26.9	31.1	38.0	42.2	45.0	51.9	61.3	66.3	73.7	80.9	89.2	97.5	111.2
1.88	32	5.614	60	10.527	10.4	14.7	18.8	22.2	24.4	28.6	32.7	35.5	38.2	42.4	49.3	53.4	56.2	63.1	72.4	77.4	84.8	92.0	100.3	108.6	122.3	
1.88	48	8.421	90	15.790	...	13.8	18.0	22.0	26.2	29.0	31.7	35.9	42.8	47.0	49.7	56.7	66.0	71.0	78.5	85.6	93.9	102.2	116.0	130.0		
1.88	34	5.965	64	11.229	...	...	...	21.3	23.5	27.7	31.9	34.6	37.4	41.5	48.4	52.6	55.3	62.2	71.6	76.6	84.0	91.2	99.5	107.7	121.5
1.89	36	6.316	68	11.930	...	12.9	17.1	20.5	22.7	26.9	31.0	33.8	36.5	40.7	47.6	51.7	54.5	61.4	70.8	75.7	83.2	90.4	98.6	106.9	120.7	
1.89	38	6.667	72	12.632	...	12.0	16.3	19.6	21.8	26.0	30.2	32.9	35.7	39.8	46.8	50.9	53.7	60.6	69.9	74.9	82.4	89.5	97.8	106.1	119.8	
1.93	29	5.088	56	9.825	11.5	15.7	19.8	23.2	25.4	29.5	33.7	36.4	39.2	43.3	50.2	54.4	57.1	64.0	73.4	78.4	85.8	93.0	101.3	109.5	123.3	
2.00	28	4.912	56	9.825	11.6	15.8	20.0	23.3	25.5	29.7	33.8	36.6	39.3	43.5	50.4	54.5	57.3	64.2	73.6	78.5	86.0	93.1	101.4	109.7	123.5	
2.00	30	5.263	60	10.527	10.7	14.9	19.1	22.4	24.7	28.8	33.0	35.7	38.5	42.6	49.5	53.7	56.4	63.3	72.7	77.7	85.1	92.3	100.6	108.8	122.6	
2.00	32	5.614	64	11.229	9.8	14.0	18.2	21.6	23	28.0	32.1	34.9	37.6	41.8	48.7	52.8	55.6	62.5	71.9	76.8	84.3	91.5	99.7	108.0	121.8	
2.00	34	5.965	68	11.930	...	13.2	17.4	20.7	22.9	27.1	31.3	34.0	36.8	41.0	47.9	52.0	54.8	61.7	71.0	76.0	83.5	90.6	98.9	107.2	121.0	
2.00	36	6.316	72	12.632	...	12.3	16.5	19.9	22.1	26.3	30.4	33.2	36.0	40.1	47.0	51.2	53.9	60.8	70.2	75.2	82.6	89.8	98.1	106.3	120.1	
2.00	40	7.018	80	14.036	...	...	14.7	18.1	20.4	24.5	28.7	31.5	34.3	38.4	45.3	49.5	52.2	59.1	68.5	73.5	80.9	88.1	96.4	104.7	118.5
2.00	56	9.825	112	19.650	...	...	...	...	...	17.5	21.7	24.6	27.4	31.6	38.5	42.7	45.5	52.4	61.8	66.8	74.2	81.4	89.7	98.0	111.8
2.00	72	12.632	144	25.264	...	...	...	...	...	...	...	...	20.2	24.5	31.6	35.8	38.6	45.6	55.0	60.0	67.5	74.7	83.0	91.3	105.1
2.05	44	7.720	90	15.790	...	...	...	16.0	18.3	22.5	26.7	29.5	32.3	36.4	43.3	47.5	50.3	57.2	66.6	71.5	79.0	86.2	94.4	102.7	116.5
2.07	29	5.088	60	10.527	10.8	15.0	19.2	22.6	24.8	28.9	33.1	35.9	38.6	42.8	49.7	53.8	56.6	63.5	72.8	77.8	85.3	92.4	100.7	109.0	122.7	

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SELECTION



14MM 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.	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860
Belt Length Factor →				.9				.95				1.0				1.05				1.1				
2.10	80	14.036	168	29.475	...	...	...	...	...	...	...	...	...	26.7	31.0	33.8	40.9	50.4	55.4	62.9	70.1	78.4	86.7	100.6
2.11	38	6.667	80	14.036	...	15.0	18.4	20.6	24.8	29.0	31.7	34.5	38.7	45.6	49.7	52.5	59.4	68.8	73.8	81.2	88.4	96.7	104.9	118.7
2.12	34	5.965	72	12.632	12.5	16.7	20.1	22.3	26.5	30.7	33.4	36.2	40.4	47.3	51.4	54.2	61.1	70.5	75.4	82.9	90.1	98.3	106.6	120.4
2.12	68	11.930	144	25.264	...	...	...	...	...	...	...	20.7	25.0	32.1	36.3	39.1	46.1	55.5	60.5	68.0	75.2	83.5	91.8	105.6
2.13	32	5.614	68	11.930	13.4	17.6	21.0	23.2	27.4	31.5	34.3	37.1	41.2	48.1	52.3	55.0	61.9	71.3	76.3	83.7	90.9	99.2	107.4	121.2
2.13	30	5.263	64	11.229	14.3	18.5	21.8	24.1	28.2	32.4	35.1	37.9	42.1	49.0	53.1	55.9	62.8	72.1	77.1	84.6	91.7	100.0	108.3	122.1
2.14	28	4.912	60	10.527	15.2	19.4	22.7	24.9	29.1	33.2	36.0	38.8	42.9	49.8	53.9	56.7	63.6	73.0	77.9	85.4	92.6	100.8	109.1	122.9
2.15	52	9.123	112	19.650	...	...	...	...	17.9	22.2	25.1	27.9	32.1	39.0	43.2	46.0	52.9	62.3	67.3	74.8	82.0	90.2	98.5	112.3
2.21	29	5.088	64	11.229	14.4	18.6	22.0	24.2	28.4	32.5	35.3	38.0	42.2	49.1	53.2	56.0	62.9	72.3	77.2	84.7	91.9	100.1	108.4	122.2
2.22	36	6.316	80	14.036	...	15.2	18.6	20.8	25.0	29.2	32.0	34.8	38.9	45.9	50.0	52.8	59.7	69.1	74.0	81.5	88.7	96.9	105.2	119.0
2.25	32	5.614	72	12.632	12.7	17.0	20.4	22.6	26.8	30.9	33.7	36.5	40.6	47.5	51.7	54.5	61.4	70.7	75.7	83.2	90.3	98.6	106.9	120.7
2.25	40	7.018	90	15.790	...	13.0	16.5	18.8	23.0	27.2	30.0	32.8	36.9	43.9	48.0	50.8	57.7	67.1	72.1	79.5	86.7	95.0	103.3	117.0
2.25	64	11.229	144	25.264	...	...	...	...	...	...	...	21.1	25.5	32.6	36.8	39.6	46.6	56.0	61.0	68.5	75.7	84.0	92.3	106.1
2.27	30	5.263	68	11.930	13.6	17.9	21.2	23.5	27.6	31.8	34.6	37.3	41.5	48.4	52.5	55.3	62.2	71.6	76.5	84.0	91.2	99.4	107.7	121.5
2.29	28	4.912	64	11.229	14.5	18.7	22.1	24.3	28.5	32.6	35.4	38.2	42.3	49.2	53.4	56.1	63.0	72.4	77.4	84.8	92.0	100.3	108.5	122.3
2.33	48	8.412	112	19.650	...	...	...	...	18.4	22.7	25.5	28.4	32.6	39.5	43.7	46.5	53.4	62.8	67.8	75.3	82.5	90.8	99.1	112.9
2.33	72	12.632	168	29.475	...	...	...	...	...	...	...	...	...	27.6	31.9	34.8	41.8	51.4	56.4	63.9	71.1	79.5	87.8	101.6
2.34	29	5.088	68	11.930	13.8	18.0	21.3	23.6	27.8	31.9	34.7	37.5	41.6	48.5	52.7	55.4	62.3	71.7	76.7	84.1	91.3	99.6	107.8	121.6
2.35	34	5.965	80	14.036	...	15.4	18.8	21.1	25.3	29.5	32.3	35.0	39.2	46.1	50.3	53.0	59.9	69.3	74.3	81.7	88.9	97.2	105.5	119.3
2.37	38	6.667	90	15.790	...	13.3	16.7	19.0	23.2	27.4	30.2	33.0	37.2	44.1	48.3	51.0	58.0	67.4	72.3	79.8	87.0	95.2	103.5	117.3
2.40	30	5.263	72	12.632	13.0	17.2	20.6	22.8	27.0	31.2	34.0	36.7	40.9	47.8	52.0	54.7	61.6	71.0	76.0	83.4	90.6	98.9	107.1	120.9
2.40	60	10.527	144	25.264	...	...	...	...	...	...	...	21.6	25.9	33.0	37.3	40.1	47.1	56.5	61.5	69.0	76.2	84.5	92.8	106.7
2.40	80	14.036	192	33.686	...	...	...	...	...	...	...	...	...	...	26.8	29.8	37.0	46.6	51.7	59.2	66.5	74.8	83.2	97.0
2.43	28	4.912	68	11.930	13.9	18.1	21.5	23.7	27.9	32.0	34.8	37.6	41.7	48.6	52.8	55.6	62.5	71.9	76.8	84.3	91.4	99.7	108.0	121.8
2.47	68	11.930	168	29.475	...	...	...	...	...	...	...	...	...	28.1	32.4	35.2	42.3	51.9	56.9	64.4	71.6	80.0	88.3	102.1
2.48	29	5.088	72	12.632	13.1	17.3	20.7	23.0	27.1	31.3	34.1	36.9	41.0	47.9	52.1	54.8	61.8	71.1	76.1	83.6	90.7	99.0	107.3	121.1
2.50	32	5.614	80	14.036	11.3	15.7	19.1	21.3	25.5	29.7	32.5	35.3	39.4	46.4	50.5	53.3	60.2	69.6	74.6	82.0	89.2	97.5	105.7	119.5
2.50	36	6.316	90	15.790	...	13.5	17.0	19.2	23.5	27.7	30.5	33.3	37.4	44.4	48.5	51.3	58.2	67.6	72.6	80.1	87.2	95.5	103.8	117.6
2.55	44	7.720	112	19.650	...	...	...	...	18.9	23.2	26.0	28.8	33.1	40.0	44.2	47.0	53.9	63.4	68.4	75.8	83.0	91.3	99.6	113.4
2.57	28	4.912	72	12.632	13.2	17.5	20.8	23.1	27.3	31.4	34.2	37.0	41.1	48.1	52.2	55.0	61.9	71.3	76.2	83.7	90.9	99.1	107.4	121.2
2.57	56	9.825	144	25.264	...	...	...	...	...	...	19.1	22.1	26.4	33.5	37.8	40.6	47.6	57.0	62.1	69.6	76.8	85.1	93.4	107.2
2.63	64	11.229	168	29.475	...	...	...	...	...	...	...	...	...	28.5	32.9	35.7	42.8	52.4	57.4	64.9	72.1	80.5	88.8	102.6
2.65	34	5.965	90	15.790	...	13.7	17.2	19.5	23.7	27.9	30.7	33.5	37.7	44.6	48.8	51.6	58.5	67.9	72.9	80.3	87.5	95.8	104.1	117.8
2.67	30	5.263	80	14.036	11.6	15.9	19.3	21.6	25.8	30.0	32.8	35.5	39.7	46.6	50.8	53.6	60.5	69.9	74.8	82.3	89.5	97.7	106.0	119.8
2.67	72	12.632	192	33.686	...	...	...	...	...	...	...	...	...	...	27.8	30.7	37.9	47.6	52.6	60.2	67.5	75.8	84.2	98.1
2.70	80	14.036	216	37.896	...	...	...	...	...	...	...	...	...	...	...	...	32.8	42.6	47.8	55.4	62.7	71.2	79.5	93.4
2.76	29	5.088	80	14.036	11.7	16.0	19.4	21.7	25.9	30.1	32.9	35.7	39.8	46.8	50.9	53.7	60.6	70.0	75.0	82.4	89.6	97.9	106.1	119.9
2.77	52	9.123	144	25.264	...	...	...	...	...	...	19.6	22.5	26.9	34.0	38.2	41.1	48.1	57.6	62.6	70.1	77.3	85.6	93.9	107.7
2.80	40	7.018	112	19.650	...	...	...	14.9	19.3	23.7	26.5	29.3	33.5	40.5	44.7	47.5	54.5	63.9	68.9	76.3	83.5	91.8	100.1	113.9
2.80	60	10.527	168	29.475	...	...	...	...	...	...	...	...	21.7	29.0	33.3	36.2	43.3	52.8	57.9	65.4	72.7	81.0	89.3	103.2
2.81	32	5.614	90	15.790	...	13.9	17.4	19.7	24.0	28.2	31.0	33.8	37.9	44.9	49.1	51.8	58.7	68.1	73.1	80.6	87.8	96.0	104.3	118.1
2.82	68	11.930	192	33.686	...	...	...	...	...	...	...	...	...	...	28.2	31.1	38.4	48.0	53.1	60.7	68.0	76.3	84.7	98.6
2.86	28	4.912	80	14.036	11.8	16.1	19.6	21.8	26.0	30.2	33.0	35.8	40.0	46.9	51.0	53.8	60.7	70.1	75.1	82.5	89.7	98.0	106.3	120.1
2.95	38	6.667	112	19.650	...	...	...	15.2	19.6	23.9	26.7	29.6	33.8	40.8	45.0	47.8	54.7	64.1	69.1	76.6	83.8	92.1	100.4	114.2
3.00	30	5.263	90	15.790	...	14.2	17.7	19.9	24.2	28.4	31.2	34.0	38.2	45.1	49.3	52.1	59.0	68.4	73.4	80.8	88.0	96.3	104.6	118.4
3.00	48	8.421	144	25.264	...	...	...	...	...	...	20.0	23.0	27.3	34.5	38.7	41.5	48.6	58.1	63.1	70.6	77.8	86.1	94.4	108.2
3.00	56	9.825	168	29.475	...	...	...	...	...	...	...	...	22.1	29.5	33.8	36.7	43.8	53.3	58.4	65.9	73.2	81.5	89.8	103.7
3.00	64	11.229	192	33.686	...	...	...	...	...	...	...	...	...	24.2	28.7	31.6	38.8	48.5	53.6	61.2	68.5	76.9	85.2	99.1
3.00	72	12.632	216																					

SELECTION

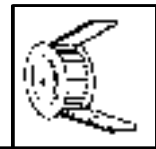


20MM Ratio/Center Distance Tables

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	46000	5000	5400	5800	6200	6600
	Belt Length Factor →				.8	.9	.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 →					.8	.85	.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.

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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	46000	5000	5400	5800	6200	6600
	Belt Length Factor→				.8	.9	.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→					.8	.9	.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.

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SELECTION

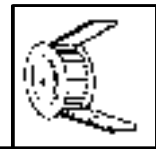


20MM Ratio/Center Distance Tables

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	46000	5000	5400	5800	6200	6600
	Belt Length Factor→				.8	.9	.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→					.8	.9	.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 394-395	SPECIFICATIONS: SPROCKETS PAGES 396-408	SPECIFICATIONS: BELTS PAGES 409-410	ENGINEERING/TECHNICAL PAGES 443-446
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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	46000	5000	5400	5800	6200	6600
	Belt Length Factor→				.8	.9	.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→					.8	.9	.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.

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Overhung Load Calculations

Overhung load is an important consideration for drive design. Motor and reducer bearings are rated for specific load capacities to achieve calculated life. If the drive design is such that bearing loads are exceeded, life will be proportionally reduced. Likewise, if the drive exerts a lesser load on the bearings, life will be extended. Needless to say, drive design that keeps bearing loads below ratings can pay big dividends.

BELT PULL: The basis for overhung load calculation is belt pull. Belt pull is the result of torque being transmitted when the belt exerts a pull on the sprocket diameter.

EXAMPLE: 5 horsepower at 200 RPM is 1,575 inch-pounds of torque. If a 6 inch diameter sprocket is used, (3 inch radius), $1,575/3 = 525$ pounds effective belt pull is required. Note that if a larger diameter sprocket is used, belt pull is reduced accordingly.

Belt pull can be calculated using the following formula:

$$\text{Belt Pull (lbs)} = \frac{126,000 \times \text{DHP} \times \text{F}}{\text{RPM} \times \text{PD}}$$

Where: DHP = Design Horsepower

F = Drive Factor (1.3 for sync. belt)

RPM = Shaft RPM

PD = Pitch Diameter of Sprocket

BEARING LOAD: Belt pull translates into bearing load and is greatly affected by the location of the sprocket on the shaft. Fig. 1 shows an example of what happens as the distance between the centerline of belt pull and the adjacent bearing is extended.

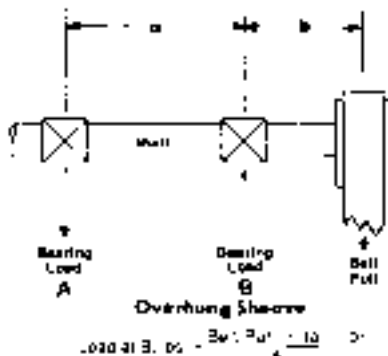


Fig. 1.

a	b	Belt Pull	Bearing Load "B"
10 in.	1 in.	500 lbs.	550 lbs.
10 in.	5 in.	500 lbs.	750 lbs.

Now consider the same situation for a motor or gearbox. Referring to Fig. 2, it should be obvious that the HT/HTD sprocket should be mounted as close as possible to the face of the gearbox.

As the distance between the gearbox face and HT/HTD sprocket increases, the bearing load is also increased, which leads to a reduction in bearing life.

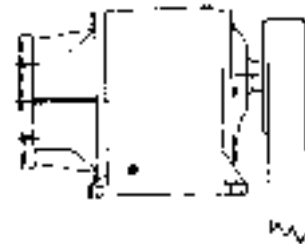


Fig. 2.

Another warning from gearbox manufacturers is that the centerline of belt pull should not extend beyond the end of the shaft. Given a choice of a small diameter, wide face-width drive design, or a larger diameter, narrower face-width alternative, the latter would be preferable if bearing life is an important consideration.

DRIVE DESIGN CONSIDERATIONS

For any given application, there are usually several possible drive alternatives. In some cases, the selection with the smallest diameter sprockets might be the least expensive. As can be seen from the previous discussion, this alternative could be a bad choice. Smaller diameter sprockets lead to higher belt pull; their greater width is also more sensitive to misalignment.

The preferred sprocket design is one that will allow the centerline of belt pull to be as close to the motor or gearbox bearing as possible. (See Fig. 3.) The sprocket dimensional tables on pages 4-16 show this to be the "F-CL" dimension, Face to CenterLine.



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