



HT200/HTD Synchronous Belt Drives

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FEATURES/BENEFITS

DODGE HT200 Drives

High Torque Synchronous Belt Drives

- 200% Rating of HTD
- Quieter Operation
- More Compact
- 8MM & 14MM Pitch

Plus all the benefits of standard HTD Drives:

- Positive, non-slip drive
- No lubrication required
- Non-stretch
- Corrosion resistant
- Abrasion resistant
- Virtually no backlash
- Clean operation
- Long life
- Low maintenance



THE TECHNOLOGY OF HT200 PERFORMANCE

Advanced Tooth Profile Design

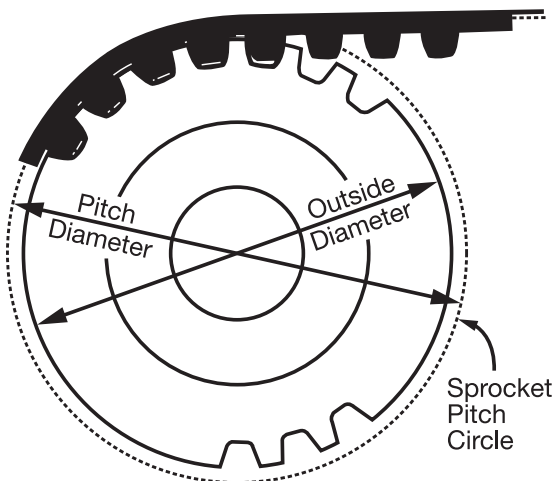
- Optimizes distribution of load forces between belt and sprocket.
- Improves dynamic efficiency between sprocket and belt.
- Increases torque capacity.
- Allows more compact, narrower drive.
- Operates more quietly.

Belt Construction

- Tougher Chloroprene rubber resists tooth shear, increases load capacity.
- Strong, stretch-resistant tensile cords.
- Tough, wear-resistant nylon tooth facing keeps friction low, protects from wear.

HT200

- Compact Design
- Uses HT TAPER-LOCK Sprockets
- Competitively Priced





FEATURES/BENEFITS

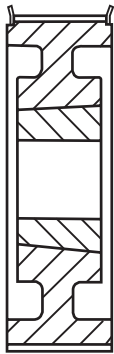
DODGE HT200 Drives



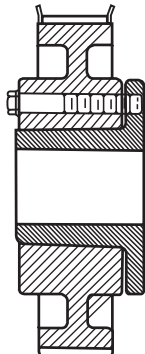
HT TAPER-LOCK Sprockets

- **Torque Rated:** Shaft gripping strength to meet the higher demands of the 200% rating of HT200 Belts.
- **Compatible:** Accepts HT200 or standard HTD belts.
- **Compact:** Save shaft space with compact TAPER-LOCK design.
- **Reduce Overhung Load:** Compact design allows closer mounting to motor or reducer bearings. Improves bearing life, reduces maintenance costs.

TAPER-LOCK THE Compact Synchronous Drive



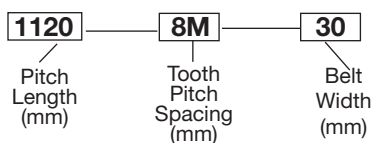
TAPER-LOCK HT



FLANGE-BUSHED
SPROCKET

Compact TAPER-LOCK design takes up less shaft space than narrow width belts or products using flanged style bushing. The result is a more compact, economical synchronous drive.

BELT NOMENCLATURE

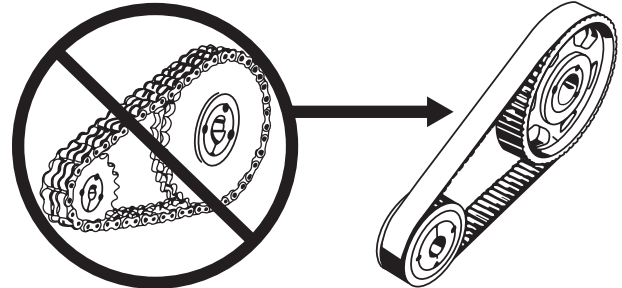


DODGE QD HTD Sprockets

- Rated for capacity of standard HTD belts.
- Compatible for standard HTD belts.
- Can run HT200 belts at HTD rating.
- Use HT200 belts for quieter operation than with HTD belts.

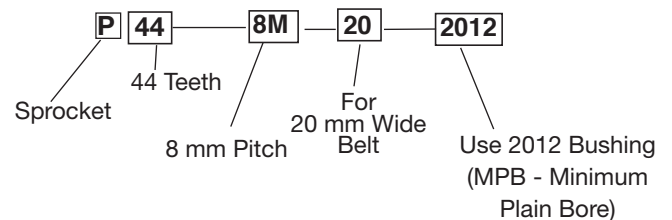
Caution: Standard QD style HTD sprockets manufactured by DODGE or by others may not have the torque capacity for the higher rated HT200 belts. HT TAPER-LOCK sprockets from DODGE are designed to handle the higher loads.

Upgrade Roller Chain Drives to DODGE HT200



- **Clean:** No lubrication required. No messy oil drips or spills.
- **Quiet:** No metal-to-metal contact.
- **Smooth Operation:** No chordal action of chain drive that results in vibration and speed variation.
- **Economical Drive Guard:** Basic enclosed or ventilated guard will suffice. Oil seals, filler and drain plugs not required.

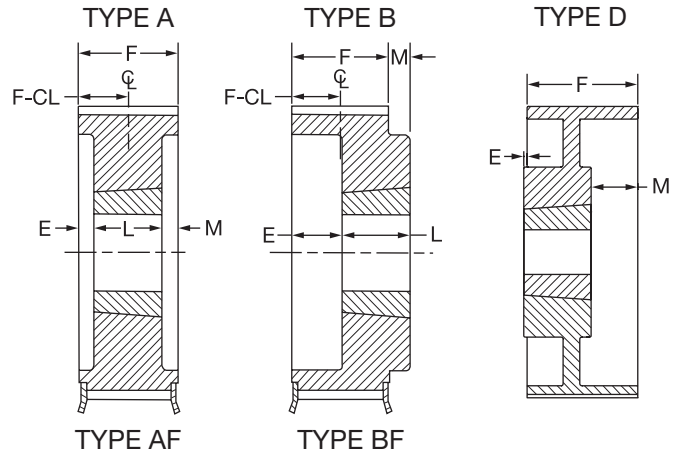
SPROCKET NOMENCLATURE





SPECIFICATION

HT TAPER-LOCK Sprockets



The figure following the sketch reference letter in the "Type" column, indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms) and the letter "F" indicates that the sprocket has flanges.

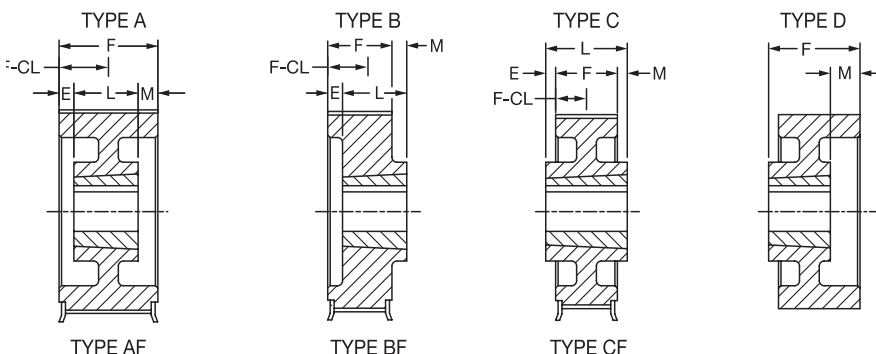
5MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters		Flange	Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.			E	M	Min.	Max		
5M-15			F = 0.89"									
P32-5M-15-MPB	112465	32	2.005	1.960	2.125		0.50	0	1/2	7/8	0.8	0.0016
P34-5M-15-MPB	112466	34	2.130	2.085	2.375		0.50	0	1/2	1	0.9	0.0021
P36-5M-15-MPB	114640	36	2.256	2.211	2.375		0.50	0	1/2	1-1/8	1.1	0.0028
P36-5M-15-1108	112467	36	2.256	2.211	2.375	A1F	0	0	1/2	1-1/8	0.47	0.0028
P38-5M-15-1108	112468	38	2.381	2.336	2.613	A1F	0	0	1/2	1-1/8	0.57	0.0036
P40-5M-15-1108	112469	40	2.506	2.461	2.733	A1F	0	0	1/2	1-1/8	0.68	0.0047
P44-5M-15-1108	112470	44	2.757	2.712	3.090	A1F	0	0	1/2	1-1/8	0.91	0.0072
P48-5M-15-1210	112471	48	3.008	2.963	3.328	B1F	0	0.11	1/2	1-1/4	1.0	0.0105
P52-5M-15-1210	112472	52	3.258	3.213	3.566	B1F	0	0.11	1/2	1-1/4	1.3	0.0153
P56-5M-15-1610	112473	56	3.509	3.464	3.805	B1F	0	0.11	1/2	1-11/16	1.4	0.0192
P60-5M-15-1610	112474	60	3.760	3.715	4.044	B1F	0	0.11	1/2	1-11/16	1.7	0.0267
P64-5M-15-1610	112475	64	4.010	3.965	4.170	B1F	0	0.11	1/2	1-11/16	2.1	0.0353
P68-5M-15-1610	112476	68	4.261	4.216	4.520	B1F	0	0.11	1/2	1-11/16	2.4	0.0458
P72-5M-15-1610	112477	72	4.511	4.466	4.670	B1F	0	0.11	1/2	1-11/16	2.8	0.0583
P80-5M-15-1610	112478	80	5.013	4.968	...	B1	0	0.11	1/2	1-11/16	3.7	0.0906
P90-5M-15-1610	112479	90	5.639	5.594	...	B1	0	0.11	1/2	1-11/16	4.9	0.1474
P112-5M-15-2012	112480	112	7.018	6.973	...	B1	0	0.36	1/2	2-1/8	8.3	0.3750
5M-25			F = 1.28"									
P32-5M-25-MPB	112481	32	2.005	1.960	2.125		0.50	0	1/2	7/8	1.1	0.0024
P34-5M-25-MPB	112482	34	2.130	2.085	2.375		0.50	0	1/2	1	1.2	0.0031
P36-5M-25-1108	112483	36	2.256	2.211	2.375	A1F	0	0.41	1/2	1-1/8	0.65	0.0039
P38-5M-25-1108	112484	38	2.381	2.336	2.613	A1F	0	0.41	1/2	1-1/8	0.73	0.0048
P40-5M-25-1108	112485	40	2.506	2.461	2.733	A1F	0	0.41	1/2	1-1/8	0.85	0.0061
P44-5M-25-1108	112486	44	2.757	2.712	3.090	A1F	0	0.41	1/2	1-1/8	1.1	0.0091
P48-5M-25-1210	112487	48	3.008	2.963	3.328	A1F	0	0.28	1/2	1-1/4	1.2	0.0130
P52-5M-25-1210	112488	52	3.258	3.213	3.566	A1F	0	0.28	1/2	1-1/4	1.6	0.0185
P56-5M-25-1610	112489	56	3.509	3.464	3.805	A1F	0	0.28	1/2	1-11/16	1.6	0.0240
P60-5M-25-1610	112490	60	3.760	3.715	4.044	A1F	0	0.28	1/2	1-11/16	2.1	0.0335
P64-5M-25-1610	112491	64	4.010	3.965	4.170	A1F	0	0.28	1/2	1-11/16	2.4	0.0430
P68-5M-25-2012	112492	68	4.261	4.216	4.520	A1F	0.03	0.00	1/2	2-1/8	2.7	0.0571
P72-5M-25-2012	112493	72	4.511	4.466	4.670	A1F	0.03	0.00	1/2	2-1/8	3.3	0.0751
P80-5M-25-2012	112494	80	5.013	4.968	...	A1	0.03	0.00	1/2	2-1/8	4.5	0.1215
P90-5M-25-2012	112495	90	5.639	5.594	...	A1	0.03	0.00	1/2	2-1/8	6.2	0.2032
P112-5M-25-2012	112496	112	7.018	6.973	...	A1	0.03	0.00	1/2	2-1/8	10.7	0.5102

SPECIFICATION



HT TAPER-LOCK Sprockets



The figure following the sketch reference letter in the "Type" column, indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms) and the letter "F" indicates that the sprocket has flanges.

8MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
8M-20			F = 1.13"									
P22-8M-20-1108*	112850	22	2.206	2.152	2.559	A1F	0.00	0.26	1/2	1-1/8	0.5	0.0027
P24-8M-20-1108	112851	24	2.406	2.352	2.756	A1F	0.00	0.26	1/2	1-1/8	0.7	0.0044
P26-8M-20-1108	112852	26	2.607	2.553	2.953	A1F	0.00	0.26	1/2	1-1/8	0.9	0.0065
P28-8M-20-1108	112853	28	2.807	2.753	3.150	A1F	0.26	0.00	1/2	1-1/8	1.2	0.0093
P30-8M-20-1210	112854	30	3.008	2.954	3.346	A1F	0.13	0.00	1/2	1-1/4	1.2	0.0116
P32-8M-20-1210	112855	32	3.208	3.154	3.543	A1F	0.00	0.13	1/2	1-1/4	1.4	0.0157
P34-8M-20-1610	112856	34	3.409	3.355	3.819	A1F	0.13	0.00	1/2	1-11/16	1.4	0.0185
P36-8M-20-1610	112857	36	3.609	3.555	3.937	A1F	0.13	0.00	1/2	1-11/16	1.7	0.0246
P38-8M-20-1610	112858	38	3.810	3.756	4.134	A1F	0.13	0.00	1/2	1-11/16	2.0	0.0320
P40-8M-20-1610	112859	40	4.010	3.956	4.331	A1F	0.13	0.00	1/2	1-11/16	2.4	0.0406
P44-8M-20-2012	112860	44	4.411	4.357	4.764	B1F	0.00	0.12	1/2	2-1/8	2.7	0.0585
P48-8M-20-2012	112861	48	4.812	4.758	5.157	B1F	0.00	0.12	1/2	2-1/8	3.7	0.0916
P56-8M-20-2012	112862	56	5.614	5.560	5.945	B1F	0.00	0.12	1/2	2-1/8	5.6	0.1768
P64-8M-20-2012	112863	64	6.416	6.362	6.772	B1F	0.00	0.12	1/2	2-1/8	7.7	0.3075
P72-8M-20-2012	112864	72	7.218	7.164	7.598	B1F	0.00	0.12	1/2	2-1/8	10	0.4991
P80-8M-20-2517	112865	80	8.020	7.966	8.386	B1F	0.00	0.62	1/2	2-11/16	13	0.7725
P90-8M-20-2517	112866	90	9.023	8.969	...	C2	0.31	0.31	1/2	2-11/16	12	0.9037
8M-30			F = 1.5"									
P22-8M-30-1108*	112867	22	2.206	2.152	2.559	A1F	0.00	0.63	1/2	1-1/8	0.64	0.0036
P24-8M-30-1108	112868	24	2.406	2.352	2.756	A1F	0.00	0.63	1/2	1-1/8	0.90	0.0058
P26-8M-30-1108	112869	26	2.607	2.553	2.953	A1F	0.00	0.63	1/2	1-1/8	1.1	0.0082
P28-8M-30-1108	112870	28	2.807	2.753	3.150	A1F	0.00	0.63	1/2	1-1/8	1.5	0.0124
P30-8M-30-1210	112871	30	3.008	2.954	3.346	A1F	0.00	0.50	1/2	1-1/4	1.5	0.0152
P32-8M-30-1210	112872	32	3.208	3.154	3.543	A1F	0.00	0.50	1/2	1-1/4	1.7	0.0199
P34-8M-30-1610	112873	34	3.409	3.355	3.819	A1F	0.00	0.50	1/2	1-11/16	1.8	0.0241
P36-8M-30-1610	112874	36	3.609	3.555	3.937	A1F	0.00	0.50	1/2	1-11/16	2.2	0.0323
P38-8M-30-1610	112875	38	3.810	3.756	4.134	A1F	0.00	0.50	1/2	1-11/16	2.5	0.0409
P40-8M-30-2012	112876	40	4.010	3.956	4.331	A1F	0.00	0.25	1/2	2-1/8	2.3	0.0453
P44-8M-30-2012	112877	44	4.411	4.357	4.764	A1F	0.00	0.25	1/2	2-1/8	3.2	0.0712
P48-8M-30-2012	112878	48	4.812	4.758	5.157	A1F	0.00	0.25	1/2	2-1/8	4.2	0.1069
P56-8M-30-2012	112879	56	5.614	5.560	5.945	A1F	0.00	0.25	1/2	2-1/8	6.3	0.2087
P64-8M-30-2517	112880	64	6.416	6.362	6.772	B1F	0.00	0.25	1/2	2-11/16	9.5	0.4044
P72-8M-30-2517	112881	72	7.218	7.164	7.598	B1F	0.00	0.25	1/2	2-11/16	13	0.6599
P80-8M-30-2517	112882	80	8.020	7.966	8.386	B1F	0.00	0.25	1/2	2-11/16	16	1.019
P90-8M-30-2517	112883	90	9.023	8.969	...	C2	0.13	0.13	1/2	2-11/16	22	1.650
P112-8M-30-2517	112884	112	11.229	11.175	...	C2	0.13	0.13	1/2	2-11/16	24	1.764
P144-8M-30-2517	112849	114	14.437	14.383	...	D3	0.38	0.13	1/2	2-11/16	31	6.014

TAPER-LOCK sprockets limited to torque capacity of bushing.

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SPECIFICATION

HT TAPER-LOCK Sprockets

8 MM Sprocket

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
8M-50 F = 2.38"												
P28-8M-50-1108*	112885	28	2.807	2.753	3.150	A1F	0.00	1.50	1/2	1-1/8	2.1	0.0182
P30-8M-50-1210	112886	30	3.008	2.954	3.346	A1F	0.00	1.38	1/2	1-1/4	2.2	0.0231
P32-8M-50-1210	114821	32	3.208	3.154	3.543	A1F	0.00	1.38	1/2	1-1/4	2.3	0.0281
P34-8M-50-1610	114822	34	3.409	3.355	3.819	A1F	0.00	1.38	1/2	1-11/16	4.0	0.0457
P36-8M-50-1610	112889	36	3.609	3.555	3.937	A1F	0.00	1.38	1/2	1-11/16	2.7	0.0431
P38-8M-50-1610	112890	38	3.810	3.756	4.134	A1F	0.00	1.38	1/2	1-11/16	3.1	0.0540
P40-8M-50-2012	112891	40	4.010	3.956	4.331	A1F	0.00	1.13	1/2	2-1/8	3.5	0.0685
P44-8M-50-2012	112892	44	4.411	4.357	4.764	A1F	0.00	1.13	1/2	2-1/8	4.3	0.0999
P48-8M-50-2012	112893	48	4.812	4.758	5.157	A1F	0.00	1.13	1/2	2-1/8	5.5	0.1491
P56-8M-50-2517	112894	56	5.614	5.560	5.945	A1F	0.00	0.63	1/2	2-11/16	8.1	0.2957
P64-8M-50-2517	112895	64	6.416	6.362	6.772	A1F	0.00	0.63	1/2	2-11/16	12	0.5272
P72-8M-50-2517	112896	72	7.218	7.164	7.598	A1F	0.00	0.63	1/2	2-11/16	16	0.8625
P80-8M-50-2517	112897	80	8.020	7.966	8.386	A1F	0.00	0.63	1/2	2-11/16	20	1.343
P90-8M-50-3020	112898	90	9.023	8.969	...	A1	0.00	0.38	7/8	3-1/4	27	2.277
P112-8M-50-3020	112899	112	11.229	11.175	...	A2	0.00	0.38	7/8	3-1/4	30	3.746
P144-8M-50-3020	114833	144	14.437	14.383	...	A3	0.00	0.38	7/8	3-1/4	49	8.988
P192-8M-50-3020	112901	192	19.249	19.195	...	A3	0.00	0.38	7/8	3-1/4	108	32.21
8M-85 F = 3.75"												
P34-8M-85-1615	114823	34	3.409	3.355	3.810	A1F	0.75	1.50	1/2	1-11/16	3.9	0.0547
P36-8M-85-1615	114825	36	3.609	3.555	4.009	A1F	0.75	1.50	1/2	1-11/16	4.4	0.0694
P40-8M-85-2012	114828	40	4.010	3.956	4.410	A1F	1.25	1.25	1/2	2-1/8	4.7	0.0970
P44-8M-85-2012	114504	44	4.411	4.357	4.764	A1F	1.25	1.25	1/2	2-1/8	5.9	0.1447
P48-8M-85-2012	114505	48	4.812	4.758	5.212	A1F	1.25	1.25	1/2	2-1/8	7.6	0.2146
P56-8M-85-2517	114506	56	5.614	5.560	6.014	A1F	0.81	1.19	1/2	2-11/16	11	0.4058
P64-8M-85-2517	114507	64	6.416	6.362	6.716	A1F	0.59	1.41	1/2	2-11/16	15	0.6987
P72-8M-85-3020	114508	72	7.218	7.164	7.500	A1F	0.88	0.88	7/8	3-1/4	18	1.121
P80-8M-85-3020	114509	80	8.020	7.966	8.420	A1F	0.50	1.25	7/8	3-1/4	22	1.642
P90-8M-85-3020	114510	90	9.023	8.969	...	A1	0.50	1.25	7/8	3-1/4	32	2.846
P112-8M-85-3020	114511	112	11.229	11.175	...	A2	0.50	1.25	7/8	3-1/4	33	4.621
P144-8M-85-3535	114834	144	14.437	14.383	...	A3	0.00	0.25	1-3/16	3-15/16	54	11.06
P192-8M-85-3535	114513	192	19.249	19.195	...	A3	0.13	0.13	1-3/16	3-15/16	125	39.63

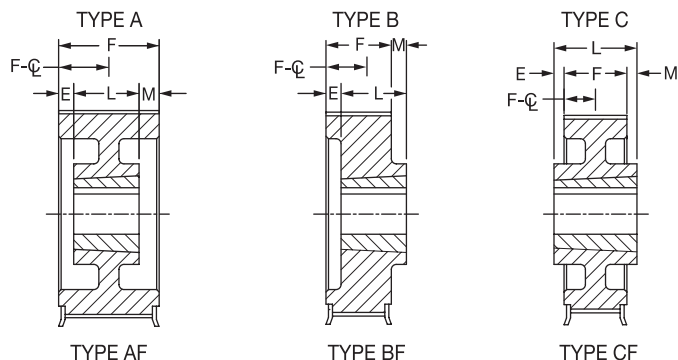
14 MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-40 F = 2.13"												
P28-14M-40-2012*	112902	28	4.912	4.802	5.560	A1F	0.00	0.88	1/2	2-1/8	5.9	0.1531
P29-14M-40-2012	112903	29	5.088	4.978	5.560	A1F	0.00	0.88	1/2	2-1/8	6.6	0.1810
P30-14M-40-2012	112904	30	5.263	5.153	6.125	A1F	0.00	0.88	1/2	2-1/8	6.5	0.1935
P32-14M-40-2012	112905	32	5.614	5.504	6.125	A1F	0.00	0.88	1/2	2-1/8	8.0	0.2651
P34-14M-40-2012	112906	34	5.965	5.855	6.500	A1F	0.00	0.88	1/2	2-1/8	9.4	0.3498
P36-14M-40-2517	112907	36	6.316	6.206	6.875	A1F	0.00	0.38	1/2	2-11/16	11	0.4443
P38-14M-40-2517	112908	38	6.667	6.557	7.219	A1F	0.00	0.38	1/2	2-11/16	12	0.5658
P40-14M-40-2517	112909	40	7.018	6.908	7.500	A1F	0.00	0.38	1/2	2-11/16	14	0.7134
P44-14M-40-2517	112910	44	7.720	7.610	8.343	A1F	0.00	0.38	1/2	2-11/16	18	1.046
P48-14M-40-2517	112911	48	8.421	8.311	8.937	A1F	0.00	0.38	1/2	2-11/16	22	1.527
P52-14M-40-2517	112912	52	9.123	9.013	9.687	A1F	0.00	0.38	1/2	2-11/16	26	2.126
P56-14M-40-2517	112913	56	9.825	9.715	10.375	A1F	0.00	0.38	1/2	2-11/16	31	2.878
P60-14M-40-3020	112914	60	10.527	10.417	11.062	A2F	0.00	0.13	7/8	3-1/4	29	3.177
P64-14M-40-3020	112915	64	11.229	11.119	11.750	A2F	0.00	0.13	7/8	3-1/4	31	3.872
P68-14M-40-3020	112916	68	11.930	11.820	12.500	A2F	0.00	0.13	7/8	3-1/4	31	4.446
P72-14M-40-3020	112917	72	12.632	12.522	13.187	A2F	0.00	0.13	7/8	3-1/4	34	5.410
P80-14M-40-3020	114840	80	14.036	13.926	14.625	A3F	0.00	0.13	7/8	3-1/4	34	7.474
P90-14M-40-3020	114851	90	15.790	15.680	...	A3	0.00	0.13	7/8	3-1/4	40	9.396
P112-14M-40-3020	114470	112	19.650	19.540	...	A3	0.00	0.13	7/8	3-1/4	101	29.66
P144-14M-40-3020	114471	144	25.264	25.154	...	A3	0.00	0.13	7/8	3-1/4	154	75.16
P168-14M-40-3020	114852	168	29.475	29.265	...	A3	0.00	0.13	7/8	3-1/4	133	113.3
P192-14M-40-3020	114853	192	33.686	33.576	...	A3	0.00	0.13	7/8	3-1/4	168	189.8

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HT TAPER-LOCK Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

14MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-55					F = 2.75"							
P28-14M-55-2012	112922	28	4.912	4.802	5.560	A1F	0.00	1.50	1/2	2-1/8	7.4	0.1948
P29-14M-55-2012	112923	29	5.088	4.978	5.560	A1F	0.00	1.50	1/2	2-1/8	8.4	0.2314
P30-14M-55-2517	114836	30	5.263	5.153	6.125	A1F	0.00	1.00	1/2	2-11/16	7.4	0.2371
P32-14M-55-2517	112925	32	5.614	5.504	6.125	A1F	0.00	1.00	1/2	2-11/16	9.3	0.3276
P34-14M-55-2517	112926	34	5.965	5.855	6.500	A1F	0.00	1.00	1/2	2-11/16	11	0.4379
P36-14M-55-2517	112927	36	6.316	6.206	6.875	A1F	0.00	1.00	1/2	2-11/16	12	0.5400
P38-14M-55-2517	112928	38	6.667	6.557	7.219	A1F	0.00	1.00	1/2	2-11/16	14	0.6868
P40-14M-55-2517	112929	40	7.018	6.908	7.500	A1F	0.00	1.00	1/2	2-11/16	17	0.8719
P44-14M-55-2517	112930	44	7.720	7.610	8.343	A1F	0.00	1.00	1/2	2-11/16	20	1.234
P48-14M-55-3020	112931	48	8.421	8.311	8.937	A1F	0.00	0.75	7/8	3-1/4	24	1.840
P52-14M-55-3020	112932	52	9.123	9.013	9.687	A1F	0.00	0.75	7/8	3-1/4	30	2.573
P56-14M-55-3020	112933	56	9.825	9.715	10.375	A1F	0.00	0.75	7/8	3-1/4	35	3.489
P60-14M-55-3020	112934	60	10.527	10.417	11.062	A1F	0.00	0.75	7/8	3-1/4	42	4.647
P64-14M-55-3020	112935	64	11.229	11.119	11.750	A1F	0.00	0.75	7/8	3-1/4	48	6.012
P68-14M-55-3020	112936	68	11.930	11.820	12.500	A2F	0.00	0.75	7/8	3-1/4	40	5.909
P72-14M-55-3020	112937	72	12.632	12.522	13.187	A2F	0.00	0.75	7/8	3-1/4	45	7.387
P80-14M-55-3020	114841	80	14.036	13.926	14.625	A3F	0.00	0.75	7/8	3-1/4	42	9.021
P90-14M-55-3020	114859	90	15.790	15.680	...	A3	0.00	0.75	7/8	3-1/4	45	12.36
P112-14M-55-3020	114472	112	19.650	19.540	...	A3	0.00	0.75	7/8	3-1/4	117	36.86
P144-14M-55-3020	114854	144	25.264	25.154	...	A3	0.00	0.75	7/8	3-1/4	98	65.38
P168-14M-55-3020	114860	168	29.475	29.265	...	A3	0.19	0.56	7/8	3-1/4	146	150.2
P192-14M-55-3535	114755	192	33.686	33.576	...	C3	0.00	0.75	1-3/16	3-15/16	432	404.3
14M-85					F = 4"							
P28-14M-85-2012*	112944	28	4.912	4.802	5.560	A1F	1.31	1.44	1/2	2-1/8	10	0.2787
P29-14M-85-2012*	112945	29	5.088	4.978	5.560	A1F	1.31	1.44	1/2	2-1/8	12	0.3321
P30-14M-85-2517	114837	30	5.263	5.153	6.125	A1F	0.50	1.75	1/2	2-11/16	10	0.3326
P32-14M-85-2517	112947	32	5.614	5.504	6.125	A1F	0.81	1.44	1/2	2-11/16	13	0.4590
P34-14M-85-2517	112948	34	5.965	5.855	6.500	A1F	0.81	1.44	1/2	2-11/16	15	0.6143
P36-14M-85-3020	112949	36	6.316	6.206	6.875	A1F	0.53	1.47	7/8	3-1/4	14	0.6948
P38-14M-85-3020	112950	38	6.667	6.557	7.219	A1F	0.53	1.47	7/8	3-1/4	17	0.8975
P40-14M-85-3020	112951	40	7.018	6.908	7.500	A1F	0.53	1.47	7/8	3-1/4	20	1.161
P44-14M-85-3020	112952	44	7.720	7.610	8.343	A1F	0.53	1.47	7/8	3-1/4	24	1.615
P48-14M-85-3020	112953	48	8.421	8.311	8.937	A1F	0.53	1.47	7/8	3-1/4	31	2.432
P52-14M-85-3535	112954	52	9.123	9.013	9.687	A1F	0.00	0.50	1-3/16	3-15/16	37	3.356
P56-14M-85-3535	112955	56	9.825	9.715	10.375	A1F	0.00	0.50	1-3/16	3-15/16	52	5.300
P60-14M-85-3535	112956	60	10.527	10.417	11.062	A1F	0.00	0.50	1-3/16	3-15/16	63	7.128
P64-14M-85-3535	112957	64	11.229	11.119	11.750	A1F	0.00	0.50	1-3/16	3-15/16	74	9.334
P68-14M-85-3535	112958	68	11.930	11.820	12.500	A2F	0.00	0.50	1-3/16	3-15/16	63	9.169
P72-14M-85-3535	112959	72	12.632	12.522	13.187	A1F	0.00	0.50	1-3/16	3-15/16	97	15.19
P80-14M-85-3535	112960	80	14.036	13.926	14.625	A2F	0.00	0.50	1-3/16	3-15/16	63	13.04
P90-14M-85-3535	114474	90	15.790	15.680	...	A2	0.00	0.50	1-3/16	3-15/16	72	18.14
P112-14M-85-3535	114844	112	19.650	19.540	...	A3	0.00	0.50	1-3/16	3-15/16	131	44.18
P144-14M-85-4040	114855	144	25.264	25.154	...	A3	0.00	0.00	1-7/16	4-7/16	137	92.10
P168-14M-85-4040	114489	168	29.475	29.265	...	A3	0.00	0.00	1-7/16	4-7/16	192	194.5
P192-14M-85-4040	114850	192	33.686	33.576	...	A3	0.00	0.00	1-7/16	4-7/16	448	444.6

TAPER-LOCK Sprockets limited to torque capacity of bushing.

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SPECIFICATION

HT TAPER-LOCK Sprockets



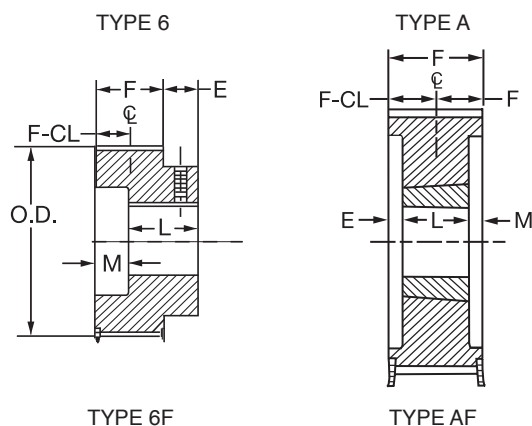
14MM Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		E	M	Min.	Max		
14M-115 F = 5.25"												
P30-14M-115-2517	114838	30	5.263	5.153	5.763	A1F	1.75	1.75	1/2	2-11/16	13	0.4386
P32-14M-115-2517	114517	32	5.614	5.504	6.114	A1F	1.75	1.75	1/2	2-11/16	16	0.5873
P34-14M-115-2517	114518	34	5.965	5.855	6.465	A1F	1.75	1.75	1/2	2-11/16	19	0.7908
P36-14M-115-3020	114519	36	6.316	6.206	6.816	A1F	1.63	1.63	7/8	3-1/4	18	0.8766
P38-14M-115-3020	114494	38	6.667	6.557	7.167	A1F	1.63	1.63	7/8	3-1/4	20	1.100
P40-14M-115-3020	114475	40	7.018	6.908	7.518	A1F	1.63	1.63	7/8	3-1/4	23	1.357
P44-14M-115-3535	114522	44	7.720	7.610	8.395	A1F	0.88	0.88	1-3/16	3-15/16	30	2.144
P48-14M-115-3535	114523	48	8.421	8.311	8.941	A1F	0.88	0.88	1-3/16	3-15/16	40	3.277
P52-14M-115-4040	114524	52	9.123	9.013	9.687	A1F	0.63	0.63	1-7/16	4-7/16	47	4.545
P56-14M-115-4040	114525	56	9.825	9.715	10.355	A1F	0.63	0.63	1-7/16	4-7/16	58	6.335
P60-14M-115-4040	114526	60	10.527	10.417	11.067	A1F	0.63	0.63	1-7/16	4-7/16	70	8.589
P64-14M-115-4545	114527	64	11.229	11.119	11.750	A1F	0.38	0.38	1-15/16	4-15/16	82	11.47
P68-14M-115-4545	114528	68	11.930	11.820	12.500	A1F	0.38	0.38	1-15/16	4-15/16	97	14.91
P72-14M-115-4545	114529	72	12.632	12.522	13.066	A1F	0.00	0.75	1-15/16	4-15/16	113	19.06
P80-14M-115-4545	114530	80	14.036	13.926	14.620	A2F	0.38	0.38	1-15/16	4-15/16	148	29.66
P90-14M-115-4545	114476	90	15.790	15.680	...	A2	0.38	0.38	1-15/16	4-15/16	117	28.30
P112-14M-115-4545	114477	112	19.650	19.540	...	A2	0.00	0.75	1-15/16	4-15/16	173	64.72
P144-14M-115-4545	114856	144	25.264	25.154	...	A3	0.38	0.38	1-15/16	4-15/16	120	172.2
P168-14M-115-4545	114848	168	29.475	29.265	...	A3	0.38	0.38	1-15/16	4-15/16	223	243.3
P192-14M-115-4545	114482	192	33.686	33.576	...	A3	0.38	0.38	1-15/16	4-15/16	475	496.5
P216-14M-115-6050	114857	216	37.896	37.786	...	A3	0.00	0.25	4-7/16	6	686	378.0
14M-170 F = 7.38"												
P40-14M-170-3535*	114539	40	7.018	6.908	7.518	A1F	1.94	1.94	1-3/16	3-15/16	29	1.780
P44-14M-170-3535	114540	44	7.720	7.610	8.395	A1F	1.94	1.94	1-3/16	3-15/16	39	2.828
P48-14M-170-3535	114541	48	8.421	8.311	8.941	A1F	1.94	1.94	1-3/16	3-15/16	51	4.283
P52-14M-170-4040	114542	52	9.123	9.013	9.687	A1F	1.13	2.25	1-7/16	4-7/16	59	5.877
P56-14M-170-4040	114543	56	9.825	9.715	10.355	A1F	1.13	2.25	1-7/16	4-7/16	71	8.051
P60-14M-170-4545	114544	60	10.527	10.417	11.067	A1F	0.75	2.13	1-15/16	4-15/16	83	10.85
P64-14M-170-4545	114545	64	11.229	11.119	11.750	A1F	0.63	2.25	1-15/16	4-15/16	94	13.71
P68-14M-170-4545	114546	68	11.930	11.820	12.500	A1F	0.63	2.25	1-15/16	4-15/16	113	18.15
P72-14M-170-4545	114547	72	12.632	12.522	13.066	A1F	0.63	2.25	1-15/16	4-15/16	130	23.00
P80-14M-170-4545	114548	80	14.036	13.926	14.625	A1F	1.03	1.84	1-15/16	4-15/16	166	35.12
P90-14M-170-4545	114478	90	15.790	15.680	...	A2	0.63	2.25	1-15/16	4-15/16	159	42.03
P112-14M-170-4545	114479	112	19.650	19.540	...	D2	0.25	3.12	1-15/16	4-15/16	215	81.30
P144-14M-170-6050	114858	144	25.264	25.154	...	A3	1.19	1.19	4-7/16	6	264	207.9
P168-14M-170-6050	114499	168	29.475	29.265	...	A3	1.19	1.19	4-7/16	6	462	384.2
P192-14M-170-6050	117846	192	33.686	33.576	...	A3	1.19	1.19	4-7/16	6	616	655.7
P216-14M-170-6050	117848	216	37.896	37.786	...	A2	1.19	1.19	4-7/16	6	563	851.7

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HT Sprockets



Plain Bore HT Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Dimensions (Inches)			Bore Range		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			Pitch	O.D.	Flange	E	L	M	Min.	Max		
			8 MM	Pitch							Type 6F	
P22-8M-20-MPB	110700	22	2.206	2.152	2.606	0.60	1.80	0.00	1/2	1-3/16	1.3	0.0048
P22-8M-30-MPB	110720	22	2.206	2.152	2.606	0.60	2.10	0.00	1/2	1-3/16	1.6	0.0060
P24-8M-30-MPB	110721	24	2.406	2.352	2.756	0.60	2.10	0.00	1/2	1-1/4	1.9	0.0061
P26-8M-30-MPB	110722	26	2.607	2.553	2.906	0.80	2.30	0.00	1/2	1-1/4	2.4	0.0087
P28-8M-50-MPB	114484	28	2.807	2.753	3.207	0.60	2.50	0.50	1/2	1-1/2	3.7	0.0240
P30-8M-50-MPB	110741	30	3.008	2.954	3.346	0.60	2.50	0.50	1/2	1-1/2	4.3	0.0319
P38-8M-85-MPB	114827	38	3.810	3.756	4.201	0.60	3.30	1.10	1/2	1-7/8	9.7	0.1204
			14 MM	Pitch							Type 6F	
P28-14M-85-MPB	110830	28	4.912	4.802	5.562	1.00	4.00	1.00	1-1/4	2-11/16	17	0.3128
P29-14M-85-MPB	110831	29	5.088	4.978	5.562	1.00	4.00	1.00	1-1/4	2-11/16	19	0.3654
P28-14M-115-MPB	110855	28	4.912	4.802	5.562	1.30	5.00	1.50	1-1/4	2-11/16	22	0.4077
P29-14M-115-MPB	110856	29	5.088	4.978	5.562	1.30	5.00	1.50	1-1/4	2-11/16	24	0.4768
P36-14M-170-MPB	110880	36	6.316	6.206	6.816	1.30	6.00	2.60	1-1/2	3-3/8	47	1.593
P38-14M-170-MPB	110881	38	6.667	6.557	7.167	1.30	6.00	2.60	1-1/2	3-3/8	54	1.987
P40-14M-170-MPB	110882	40	7.018	6.908	7.518	1.30	6.00	2.60	1-1/2	3-3/4	60	2.479

Fin-Fan Sprockets

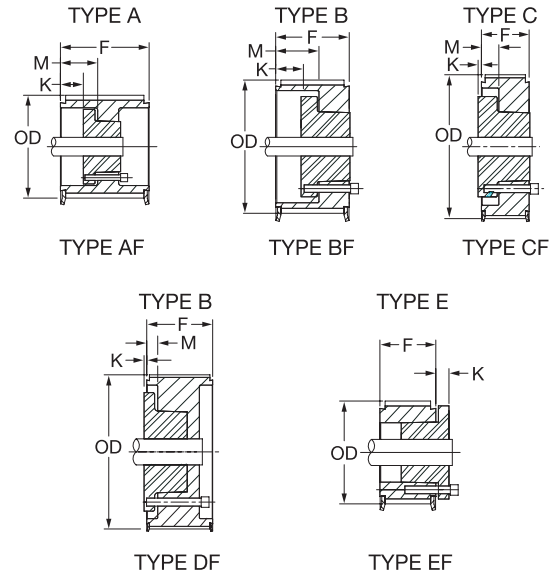
For Cooling Tower Drives

TAPER-LOCK			14 MM Pitch			Type A						
P168-14M-40-3020	114852	168	29.475	29.265	...	0.00	2.00	0.10	7/8	3-1/4	133	113.3
P192-14M-40-3020	114853	192	33.686	33.576	...	0.00	2.00	0.10	7/8	3-1/4	168	189.8
P168-14M-55-3020	114860	168	29.475	29.265	...	0.00	2.00	0.80	7/8	3-1/4	146	150.2
F192-14M-55-3020	114993	192	33.686	33.576	...	0.00	2.00	0.80	7/8	3-1/4	162	170.9
F216-14M-55-3020	114994	216	37.896	37.786	...	0.00	2.00	0.80	7/8	3-1/4	195	254.6
QD			14 MM Pitch			Type A						
F168-14M-55-E	114375	168	29.475	29.265	...	0.60	1.60	0.60	7/8	3-1/2	151.7	102.6
F192-14M-55-E	114376	192	33.686	33.576	...	0.60	1.60	0.60	7/8	3-1/2	127.8	143.5
F144-14M-85-E	114377	144	25.262	25.154	...	0.60	1.60	1.20	7/8	3-1/2	140.3	77.97
F168-14M-85-E	114378	168	29.475	29.265	...	0.00	1.60	1.20	7/8	3-1/2	175.1	129.5
F192-14M-85-E	114379	192	33.686	33.576	...	0.00	1.60	1.20	7/8	3-1/2	183.0	210.5
F216-14M-85-E	114380	216	37.896	37.786	...	0.00	1.60	1.20	7/8	3-1/2	218.1	288.9



SPECIFICATION

QD HTD Sprockets



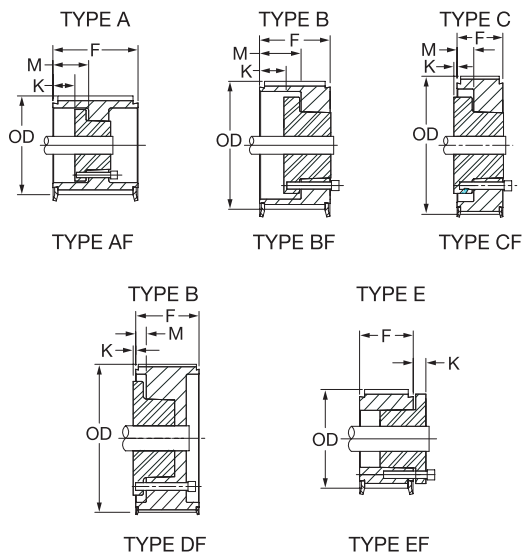
The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

5MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
5M-15			F=0.89"									
P38-5M-15-JA	114641	38	2.381	2.336	2.613	E1F	0.00	0.51	1/2	1-1/4	0.6	0.0030
P40-5M-15-JA	114642	40	2.506	2.461	2.733	E1F	0.00	0.51	1/2	1-1/4	0.7	0.0039
P44-5M-15-JA	114643	44	2.757	2.712	3.090	E1F	0.00	0.51	1/2	1-1/4	0.9	0.0061
P48-5M-15-JA	114644	48	3.008	2.963	3.328	D1F	0.31	0.20	1/2	1-1/4	0.9	0.0076
P52-5M-15-JA	114645	52	3.258	3.213	3.566	D1F	0.31	0.20	1/2	1-1/4	1.1	0.0106
P56-5M-15-SH	114646	56	3.509	3.464	3.805	E1F	0.00	0.68	1/2	1-11/16	1.5	0.0169
P60-5M-15-SH	114647	60	3.760	3.715	4.044	E1F	0.00	0.68	1/2	1-11/16	1.8	0.0233
P64-5M-15-SH	114648	64	4.010	3.965	4.170	E1F	0.00	0.68	1/2	1-11/16	2.1	0.0312
P68-5M-15-SDS	114649	68	4.261	4.216	4.520	D1F	0.14	0.56	1/2	2	2.1	0.0369
P72-5M-15-SDS	114650	72	4.511	4.466	4.670	D1F	0.14	0.56	1/2	2	2.4	0.0463
P80-5M-15-SDS	114651	80	5.013	4.968	...	C1	0.14	0.56	1/2	2	3.1	0.0732
P90-5M-15-SDS	114652	90	5.639	5.594	...	C1	0.14	0.56	1/2	2	4.1	0.1204
P112-5M-15-SDS	114653	112	7.018	6.973	...	C1	0.14	0.56	1/2	2	6.9	0.3033
5M-25			F=1.28"									
P38-5M-25-JA	114655	38	2.381	2.336	2.613	E1F	0.00	0.51	1/2	1-1/4	0.9	0.0043
P40-5M-25-JA	114656	40	2.506	2.461	2.733	E1F	0.00	0.51	1/2	1-1/4	1.0	0.0056
P44-5M-25-JA	114657	44	2.757	2.712	3.090	E1F	0.00	0.51	1/2	1-1/4	1.3	0.0088
P48-5M-25-JA	114658	48	3.008	2.963	3.328	B1F	0.72	0.21	1/2	1-1/4	1.1	0.0097
P52-5M-25-JA	114659	52	3.258	3.213	3.566	B1F	0.72	0.21	1/2	1-1/4	1.3	0.0133
P56-5M-25-SH	114660	56	3.509	3.464	3.805	C1F	0.47	0.21	1/2	1-11/16	1.7	0.0206
P60-5M-25-SH	114661	60	3.760	3.715	4.044	C1F	0.47	0.21	1/2	1-11/16	2.1	0.0285
P64-5M-25-SH	114662	64	4.010	3.965	4.170	C1F	0.47	0.21	1/2	1-11/16	2.4	0.0379
P68-5M-25-SDS	114663	68	4.261	4.216	4.520	C1F	0.53	0.17	1/2	2	2.6	0.0479
P72-5M-25-SDS	114664	72	4.511	4.466	4.670	C1F	0.53	0.17	1/2	2	2.8	0.0564
P80-5M-25-SDS	114665	80	5.013	4.968	...	C1	0.53	0.17	1/2	2	3.6	0.0875
P90-5M-25-SDS	114666	90	5.639	5.594	...	C1	0.53	0.17	1/2	2	4.7	0.1414
P112-5M-25-SDS	114667	112	7.018	6.973	...	C1	0.53	0.17	1/2	2	7.7	0.3595



QD HTD Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

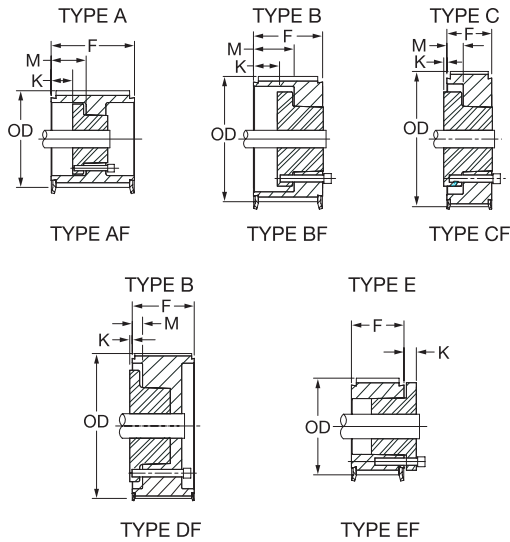
8MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
8M-20			F = 1.125"									
P24-8M-20-JA	110701	24	2.406	2.352	2.756	E1F	0.00	0.51	1/2	1-1/4	0.8	0.0039
P26-8M-20-JA	110702	26	2.607	2.553	2.906	E1F	0.00	0.51	1/2	1-1/4	1.0	0.0059
P28-8M-20-QT	110703	28	2.807	2.759	3.207	E1F	0.00	1.42	3/8	1-1/2	1.1	0.0078
P30-8M-20-QT	110704	30	3.008	2.958	3.408	E1F	0.00	1.42	3/8	1-1/2	1.3	0.0110
P32-8M-20-QT	110705	32	3.208	3.156	3.608	E1F	0.00	1.42	3/8	1-1/2	1.6	0.0148
P34-8M-20-SH	110706	34	3.409	3.355	3.810	E1F	0.00	0.68	1/2	1-11/16	1.6	0.0181
P36-8M-20-SH	110707	36	3.609	3.555	4.009	C1F	0.31	0.37	1/2	1-11/16	1.7	0.0213
P38-8M-20-SH	110708	38	3.810	3.756	4.210	C1F	0.31	0.37	1/2	2	2.0	0.0272
P40-8M-20-SH	110709	40	4.010	3.956	4.410	C1F	0.31	0.37	1/2	2	2.3	0.0353
P44-8M-20-SDS	110710	44	4.411	4.357	4.764	C1F	0.38	0.32	1/2	2	2.6	0.0490
P48-8M-20-SDS	110711	48	4.812	4.758	5.212	C1F	0.38	0.32	1/2	2	3.4	0.0771
P56-8M-20-SDS	110712	56	5.614	5.560	6.014	C1F	0.38	0.32	1/2	2	4.6	0.1370
P64-8M-20-SDS	110713	64	6.416	6.362	6.716	C1F	0.38	0.32	1/2	2	6.8	0.2639
P72-8M-20-SDS	110714	72	7.218	7.164	7.500	C1F	0.38	0.32	1/2	2	8.8	0.4298
P80-8M-20-SDS	110715	80	8.020	7.966	8.420	C1F	0.38	0.32	1/2	2	11	0.6433
P90-8M-20-SDS	110716	90	9.023	8.969	...	C2	0.38	0.32	1/2	2	12	0.9369
8M-30			F = 1.5"									
P28-8M-30-QT	110723	28	2.807	2.759	3.207	E1F	0.00	0.37	1/2	1-1/2	1.4	0.0104
P30-8M-30-QT	110724	30	3.008	2.958	3.408	E1F	0.00	0.37	3/8	1-1/2	1.8	0.0146
P32-8M-30-QT	110725	32	3.208	3.156	3.608	E1F	0.00	0.37	3/8	1-1/2	2.1	0.0197
P34-8M-30-SH	110726	34	3.409	3.355	3.810	B1F	0.69	0.01	1/2	1-11/16	1.6	0.0186
P36-8M-30-SH	110727	36	3.609	3.555	4.009	B1F	0.69	0.01	1/2	1-11/16	2.0	0.0259
P38-8M-30-SH	110728	38	3.810	3.756	4.210	B1F	0.69	0.01	1/2	1-11/16	2.3	0.0328
P40-8M-30-SH	110729	40	4.010	3.956	4.410	B1F	0.69	0.01	1/2	1-11/16	2.8	0.0435
P44-8M-30-SDS	110730	44	4.411	4.357	4.764	B1F	0.75	0.05	1/2	2	3.0	0.0595
P48-8M-30-SDS	110731	48	4.812	4.758	5.212	B1F	0.75	0.05	1/2	2	3.8	0.0880
P56-8M-30-SDS	110732	56	5.614	5.560	6.014	B1F	0.75	0.05	1/2	2	5.2	0.1633
P64-8M-30-SK	110733	64	6.416	6.362	6.716	C1F	0.25	0.64	1/2	2-5/8	8.6	0.3421
P72-8M-30-SK	110734	72	7.218	7.164	7.500	C1F	0.25	0.64	1/2	2-5/8	12	0.5710
P80-8M-30-SK	110735	80	8.020	7.966	8.420	C2	0.25	0.64	1/2	2-5/8	11	0.6487
P90-8M-30-SK	110736	90	9.023	8.969	...	C2	0.25	0.64	1/2	2-5/8	16	1.2862
P112-8M-30-SK	110737	112	11.229	11.175	...	C2	0.25	0.64	1/2	2-5/8	22	2.703



SPECIFICATION

QD HTD Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

8MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
8M-50			F = 2.38"									
P28-8M-50-JA	110738	28	2.807	2.759	3.207	A1F	0.81	0.30	1/2	1-1/4	1.7	0.0127
P30-8M-50-JA	110739	30	3.008	2.958	3.408	A1F	0.81	0.30	1/2	1-1/4	1.9	0.0172
P32-8M-50-QT	110742	32	3.208	3.156	3.608	A1F	0.81	0.30	3/8	1-1/2	2.1	0.0214
P34-8M-50-SH	110743	34	3.409	3.355	3.810	D1F	0.50	0.18	1/2	1-11/16	2.2	0.0263
P36-8M-50-SH	110744	36	3.609	3.555	4.009	D1F	0.50	0.18	1/2	1-11/16	2.8	0.0367
P38-8M-50-SH	110745	38	3.810	3.756	4.210	D1F	0.50	0.18	1/2	1-11/16	3.1	0.0462
P40-8M-50-SH	110746	40	4.010	3.956	4.410	D1F	0.50	0.18	1/2	1-11/16	3.9	0.0632
P44-8M-50-SD	110747	44	4.411	4.357	4.764	D1F	0.56	1.74	1/2	2	5.5	0.1068
P48-8M-50-SD	110748	48	4.812	4.758	5.212	D1F	0.56	1.74	1/2	2	7.2	0.1644
P56-8M-50-SK	110749	56	5.614	5.560	6.014	D1F	0.56	0.33	1/2	2-15/16	11	0.3314
P64-8M-50-SK	110750	64	6.416	6.362	6.716	D1F	0.56	0.33	1/2	2-15/16	10	0.4400
P72-8M-50-SK	110751	72	7.218	7.164	7.500	D1F	0.56	0.33	1/2	2-15/16	16	0.8488
P80-8M-50-SF	110752	80	8.020	7.966	8.420	D1F	0.56	0.38	1/2	2-15/16	20	1.335
P90-8M-50-SF	110753	90	9.023	8.969	...	D1	0.56	0.38	1/2	2-15/16	25	2.102c
P112-8M-50-SF	110754	112	11.229	11.175	...	D2	0.75	0.19	1/2	2-15/16	32	4.152
P144-8M-50-E	110755	144	14.437	14.383	...	D3	0.38	0.82	7/8	3-1/2	45	9.391
P192-8M-50-E	110756	192	19.249	19.195	...	D3	0.38	0.82	7/8	3-1/2	65	20.42
8M-85			F = 3.75"									
P34-8M-85-SH	110760	34	3.409	3.355	3.810	A1F	1.50	0.82	1/2	1-11/16	3.1	0.0376
P36-8M-85-SH	110761	36	3.609	3.555	4.009	A1F	1.50	0.82	1/2	1-11/16	3.9	0.0535
P38-8M-85-SH	110762	38	3.810	3.756	4.210	A1F	1.50	0.82	1/2	1-11/16	4.4	0.0671
P40-8M-85-SD	110763	40	4.010	3.956	4.410	A1F	1.25	0.55	1/2	2	4.9	0.0836
P44-8M-85-SD	110764	44	4.411	4.357	4.764	A1F	1.25	0.55	1/2	2	7.8	0.1589
P48-8M-85-SD	110765	48	4.812	4.758	5.212	A1F	1.25	0.55	1/2	2	11	0.2496
P56-8M-85-SK	110766	56	5.614	5.560	6.014	A1F	1.25	0.36	1/2	2-5/8	12	0.4191
P64-8M-85-SK	110767	64	6.42	6.362	6.716	A1F	1.25	0.36	1/2	2-5/8	17	0.7664
P72-8M-85-SF	110768	72	7.218	7.164	7.500	A1F	1.25	0.31	1/2	2-15/16	19	1.114
P80-8M-85-SF	110769	80	8.020	7.966	8.420	A1F	1.25	0.31	1/2	2-15/16	29	1.982
P90-8M-85-SF	110770	90	9.023	8.969	...	A1	1.25	0.31	1/2	2-15/16	26	2.253
P112-8M-85-SF	110771	112	11.229	11.175	...	A2	1.25	0.31	1/2	2-15/16	38	5.286
P144-8M-85-E	110772	144	14.437	14.383	...	D3	1.06	0.14	7/8	3-1/2	61	14.031
P192-8M-85-E	110773	192	19.249	19.195	...	D3	1.06	0.14	7/8	3-1/2	76	26.80



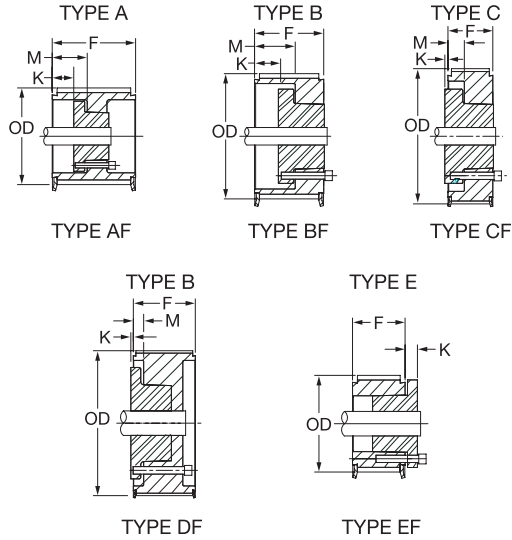
14MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
14M-40 F = 2.13"												
P28-14M-40-SK	110780	28	4.912	4.808	5.562	E1F	0.00	0.89	0.5	2-5/8	5.8	0.1301
P29-14M-40-SK	110781	29	5.088	4.983	5.562	E1F	0.00	0.89	0.5	2-5/8	6.5	0.1561
P30-14M-40-SK	110782	30	5.263	5.157	5.763	D1F	0.44	0.45	0.5	2-5/8	6.2	0.1629
P32-14M-40-SK	110783	32	5.614	5.507	6.114	D1F	0.44	0.45	0.5	2-5/8	7.8	0.2310
P34-14M-40-SK	110784	34	5.965	5.858	6.465	D1F	0.44	0.45	0.5	2-5/8	9.4	0.3113
P36-14M-40-SF	110785	36	6.316	6.208	6.816	D1F	0.44	0.50	0.5	2-15/16	9.6	0.3693
P38-14M-40-SF	110786	38	6.667	6.559	7.167	D1F	0.44	0.50	0.5	2-15/16	12	0.5080
P40-14M-40-SF	110787	40	7.018	6.909	7.518	D1F	0.44	0.50	0.5	2-15/16	13	0.6096
P44-14M-40-E	110788	44	7.720	7.610	8.395	D1F	0.38	0.82	0.875	3-1/2	16	0.9305
P48-14M-40-E	110789	48	8.421	8.311	8.941	D1F	0.38	0.82	0.875	3-1/2	20	1.360
P52-14M-40-E	110790	52	9.123	9.013	9.687	D1F	0.25	0.95	0.875	3-1/2	25	1.991
P56-14M-40-E	110791	56	9.825	9.715	10.355	D1F	0.25	0.95	0.875	3-1/2	29	2.583
P60-14M-40-E	110792	60	10.527	10.417	11.067	D1F	0.44	0.76	0.875	3-1/2	34	3.494
P64-14M-40-E	110793	64	11.229	11.119	11.750	D1F	0.44	0.76	0.875	3-1/2	39	4.489
P68-14M-40-E	110794	68	11.930	11.820	12.500	D2F	0.44	0.76	0.875	3-1/2	34	4.368
P72-14M-40-E	110795	72	12.632	12.522	13.066	D2F	0.31	0.89	0.875	3-1/2	40	5.811
P80-14M-40-E	110796	80	14.036	13.926	14.620	D3F	0.44	0.76	0.875	3-1/2	39	7.005
P90-14M-40-E	110797	90	15.790	15.680	...	D3	0.25	0.95	0.875	3-1/2	40	8.633
P112-14M-40-E	110798	112	19.650	19.540	...	D3	0.25	0.95	0.875	3-1/2	67	21.62
P144-14M-40-E	110799	144	25.264	25.154	...	D3	0.25	0.95	0.875	3-1/2	66	38.99
P168-14M-40-F	110759	168	29.475	29.265	...	C3	0.37	1.79	1	4	91	74.83
P192-14M-40-F	110774	192	33.686	33.576	...	C3	0.37	1.79	1	4	108	117.1
14M-55 F = 2.75"												
P28-14M-55-SK	110805	28	4.912	4.808	5.562	E1F	0.00	0.89	0.5	2-5/8	7.3	0.1657
P29-14M-55-SK	110806	29	5.088	4.983	5.562	E1F	0.00	0.89	0.5	2-5/8	8.2	0.1991
P30-14M-55-SK	110807	30	5.263	5.157	5.763	D1F	0.75	0.14	0.5	2-5/8	7.5	0.1989
P32-14M-55-SK	110808	32	5.614	5.507	6.114	D1F	0.75	0.14	0.5	2-5/8	9.5	0.2868
P34-14M-55-SK	110809	34	5.965	5.858	6.465	D1F	0.75	0.14	0.5	2-5/8	11	0.3851
P36-14M-55-SF	110810	36	6.316	6.208	6.816	D1F	0.75	0.19	0.5	2-15/16	11	0.4515
P38-14M-55-SF	110811	38	6.667	6.559	7.167	D1F	0.75	0.19	0.5	2-15/16	14	0.6139
P40-14M-55-SF	110812	40	7.018	6.909	7.518	D1F	0.75	0.19	0.5	2-15/16	15	0.7440
P44-14M-55-E	110813	44	7.720	7.610	8.395	D1F	0.56	0.64	0.875	3-1/2	19	1.136
P48-14M-55-E	110814	48	8.421	8.311	8.941	D1F	0.56	0.64	0.875	3-1/2	23	1.641
P52-14M-55-E	110815	52	9.123	9.013	9.687	D1F	0.56	0.64	0.875	3-1/2	30	2.454
P56-14M-55-E	110816	56	9.825	9.715	10.355	D1F	0.56	0.64	0.875	3-1/2	32	3.030
P60-14M-55-E	110817	60	10.527	10.417	11.067	D1F	0.56	0.64	0.875	3-1/2	38	4.038
P64-14M-55-F	110818	64	11.229	11.119	11.750	D1F	0.13	1.29	1	4	54	6.267
P68-14M-55-F	110819	68	11.930	11.820	12.500	D1F	0.13	1.29	1	4	62	8.029
P72-14M-55-F	110820	72	12.632	12.522	13.066	D1F	0.13	1.29	1	4	71	10.32
P80-14M-55-F	110821	80	14.036	13.926	14.620	D1F	0.13	1.29	1	4	89	15.76
P90-14M-55-F	110822	90	15.790	15.680	...	D2	0.13	1.29	1	4	61	12.67
P112-14M-55-F	110823	112	19.650	19.540	...	D3	0.13	1.29	1	4	80	25.72
P144-14M-55-F	110824	144	25.264	25.154	...	D3	0.13	1.29	1	4	90	55.45
P168-14M-55-F	110825	168	29.475	29.265	...	D3	0.13	1.29	1	4	111	95.26
P192-14M-55-F	110826	192	33.686	33.576	...	D3	0.13	1.29	1	4	134	149.7
P216-14M-55-F	110827	216	37.896	37.786	...	D3	0.13	1.29	1	4	159	223.9
14M-85 F = 4"												
P30-14M-85-SK	110832	30	5.263	5.157	5.763	A1F	1.38	0.49	1/2	2-11/16	10	0.2715
P32-14M-85-SK	110833	32	5.614	5.507	6.114	A1F	1.38	0.49	1/2	2-5/8	13	0.3993
P34-14M-85-SK	110834	34	5.965	5.858	6.465	A1F	1.38	0.49	1/2	2-5/8	15	0.5387
P36-14M-85-SF	110835	36	6.316	6.208	6.816	A1F	1.5	0.56	1/2	2-15/16	15	0.6171
P38-14M-85-SF	110836	38	6.667	6.559	7.167	A1F	1.38	0.44	1/2	2-15/16	19	0.8559
P40-14M-85-SF	110837	40	7.018	6.909	7.518	A1F	1.38	0.44	1/2	2-15/16	22	1.097
P44-14M-85-E	110838	44	7.720	7.610	8.395	D1F	1.19	0.01	7/8	3-1/2	23	1.390
P48-14M-85-E	110839	48	8.421	8.311	8.941	D1F	1.19	0.01	7/8	3-1/2	29	2.133
P52-14M-85-E	110840	52	9.123	9.013	9.687	D1F	1.19	0.01	7/8	3-1/2	35	2.972
P56-14M-85-F	110841	56	9.825	9.715	10.355	D1F	0.75	0.67	1	4	46	4.426
P60-14M-85-F	110842	60	10.527	10.417	11.067	D1F	0.75	0.67	1	4	57	6.259
P64-14M-85-F	110843	64	11.229	11.119	11.750	D1F	0.75	0.67	1	4	64	7.866
P68-14M-85-F	110852	68	11.930	11.820	12.500	D1F	0.75	0.67	1	4	75	10.40
P72-14M-85-F	110844	72	12.632	12.522	13.066	D1F	0.75	0.67	1	4	89	13.74
P80-14M-85-F	110845	80	14.036	13.926	14.620	D1F	0.75	0.67	1	4	100	18.65
P90-14M-85-F	110846	90	15.790	15.680	...	D3	0.75	0.67	1	4	57	12.19
P112-14M-85-F	110847	112	19.650	19.540	...	D3	0.75	0.67	1	4	94	32.92
P144-14M-85-F	110848	144	25.264	25.154	...	D3	0.75	0.67	1	4	129	73.66
P168-14M-85-F	110849	168	29.475	29.265	...	D3	0.69	0.73	1	4	144	126.7
P192-14M-85-F	110850	192	33.686	33.576	...	D3	0.69	0.73	1	4	178	203.8
P216-14M-85-F	110851	216	37.896	37.786	...	D3	0.69	0.73	1	4	216	315.6



SPECIFICATION

QD HTD Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

14MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters			Type	Dimensions (In.)		Bore Sizes		Approx. Weight (Lbs.)	Approx. Wr^2 (Lb-Ft^2)
			P.D.	O.D.	Flange		M	K	Min.	Max		
14M-115			F = 5.25"									
P30-14M-115-SK	110857	30	5.263	5.157	5.763	A1F	2.00	1.11	1/2	2-5/8	12	0.3441
P32-14M-115-SK	110858	32	5.614	5.507	6.114	A1F	2.00	1.11	1/2	2-5/8	16	0.5084
P34-14M-115-SK	110859	34	5.965	5.858	6.465	A1F	2.00	1.11	1/2	2-5/8	20	0.7035
P36-14M-115-SF	110860	36	6.316	6.208	6.816	A1F	2.00	1.06	1/2	2-15/16	19	0.7834
P38-14M-115-SF	110861	38	6.667	6.559	7.167	A1F	2.00	1.06	1/2	2-15/16	22	1.000
P40-14M-115-SF	110862	40	7.018	6.909	7.518	A1F	2.00	1.06	1/2	2-15/16	26	1.306
P44-14M-115-E	110863	44	7.720	7.610	8.395	A1F	2.00	0.80	7/8	3-1/2	27	1.717
P48-14M-115-E	110864	48	8.421	8.311	8.941	A1F	1.94	0.74	7/8	3-1/2	36	2.657
P52-14M-115-F	110865	52	9.123	9.013	9.687	D1F	1.38	0.05	1	4	48	4.133
P56-14M-115-F	110866	56	9.825	9.715	10.355	D1F	1.38	0.05	1	4	54	5.326
P60-14M-115-F	110867	60	10.527	10.417	11.067	D1F	1.38	0.05	1	4	63	7.105
P64-14M-115-J	110868	64	11.229	11.119	11.750	D1F	1.00	0.20	1-1/2	4-1/2	81	10.377
P68-14M-115-J	110869	68	11.930	11.820	12.500	D1F	1.00	0.20	1-1/2	4-1/2	90	12.89
P72-14M-115-J	110870	72	12.632	12.522	13.066	D1F	1.00	0.20	1-1/2	4-1/2	101	16.06
P80-14M-115-J	110871	80	14.036	13.926	14.620	D2F	1.00	0.20	1-1/2	4-1/2	108	21.04
P90-14M-115-J	110872	90	15.790	15.680	...	D2	1.00	0.20	1-1/2	4-1/2	121	29.10
P112-14M-115-J	110873	112	19.650	19.540	...	D3	1.00	0.20	1-1/2	4-1/2	117	46.65
P144-14M-115-J	110874	144	25.264	25.154	...	D3	1.06	0.14	1-1/2	4-1/2	157	113.9
P168-14M-115-J	110875	168	29.475	29.265	...	D3	1.06	0.14	1-1/2	4-1/2	198	209.1
P192-14M-115-J	110876	192	33.686	33.576	...	D3	1.06	0.14	1-1/2	4-1/2	240	265.8
P216-14M-115-J	110877	216	37.896	37.786	...	D3	1.06	0.14	1-1/2	4-1/2	284	401.7
14M-170			F = 7.38"									
P44-14M-170-E	110883	44	7.720	7.610	8.395	A1F	2.88	1.68	7/8	3-1/2	35	2.273
P48-14M-170-E	110884	48	8.421	8.311	8.941	A1F	2.88	1.68	7/8	3-1/2	46	3.550
P52-14M-170-F	110885	52	9.123	9.013	9.687	A1F	2.44	1.02	1	4	61	5.430
P56-14M-170-F	110886	56	9.825	9.715	10.355	A1F	2.44	1.02	1	4	67	6.860
P60-14M-170-J	110887	60	10.527	10.417	11.067	A1F	2.28	1.08	1-1/2	4-1/2	81	9.546
P64-14M-170-J	110888	64	11.229	11.119	11.750	A1F	2.13	0.93	1-1/2	4-1/2	100	13.31
P68-14M-170-J	110897	68	11.930	11.820	12.500	A1F	2.13	0.93	1-1/2	4-1/2	108	16.08
P72-14M-170-J	110889	72	12.632	12.522	13.066	A1F	2.13	0.93	1-1/2	4-1/2	119	19.72
P80-14M-170-J	110890	80	14.036	13.926	14.620	A2F	2.13	0.93	1-1/2	4-1/2	129	26.66
P90-14M-170-J	110891	90	15.790	15.680	...	A2	2.13	0.93	1-1/2	4-1/2	163	41.42
P112-14M-170-M	110892	112	19.650	19.540	...	D3	1.44	0.30	2	5-1/2	188	63.86
P144-14M-170-M	110893	144	25.264	25.154	...	D3	1.44	0.30	2	5-1/2	240	146.9
P168-14M-170-M	110894	168	29.475	29.265	...	D3	1.44	0.30	2	5-1/2	279	247.5
P192-14M-170-M	110895	192	33.686	33.576	...	D3	1.44	0.30	2	5-1/2	541	746.7
P216-14M-170-M	110896	216	37.896	37.786	...	D3	1.44	0.30	2	5-1/2	443	774.6

SPECIFICATION



QD HTD Sprockets

20MM QD HTD Sprockets

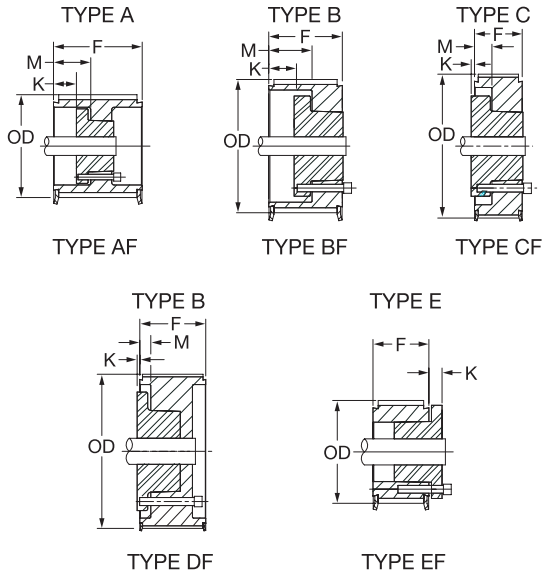
SPROCKET NUMBER	PART NO.	NO. OF TEETH	DIAMETERS			TYPE	DIMENSIONS (IN.)		Bore Sizes		Approx. Weight (LBS.)
			P.D.	O.D.	FLANGE		M	K	Min.	Max	
20M-115					F = 5.38"						
P34-20M-115-F	114668	34	8.522	8.352	9.449	A1F	1.44	0.02	1	4	42
P36-20M-115-F	114669	36	9.023	8.853	9.843	A1F	1.44	0.02	1	4	50
P38-20M-115-F	114670	38	9.524	9.354	10.443	A1F	1.44	0.02	1	4	55
P40-20M-115-F	114671	40	10.026	9.855	10.827	A1F	1.44	0.02	1	4	61
P44-20M-115-F	114672		11.028	10.858	11.811	A1F	1.44	0.02	1	4	74
P48-20M-115-J	114673	48	12.031	11.861	12.795	D1F	1.19	0.01	1-1/2	4-1/2	100
P52-20M-115-J	114674	52	13.033	12.863	13.764	D2F	1.19	0.01	1-1/2	4-1/2	96
P56-20M-115-J	114675	56	14.036	13.856	14.764	D2F	1.19	0.01	1-1/2	4-1/2	103
P60-20M-115-J	114676	60	15.038	14.868	15.927	D2F	1.19	0.01	1-1/2	4-1/2	110
P64-20M-115-J	114677	64	16.041	15.871	16.929	D2F	1.19	0.01	1-1/2	4-1/2	119
P68-20M-115-J	114678	68	17.032	16.873	17.927	D2F	1.19	0.01	1-1/2	4-1/2	125
P72-20M-115-J	114679	72	18.046	17.876	18.898	D2F	1.19	0.01	1-1/2	4-1/2	135
P80-20M-115-M	114680	80	20.051	19.881	20.866	D2F	0.19	1.55	2	5-1/2	216
P90-20M-115-M	114681	90	22.557	22.387	23.425	D2F	0.19	1.55	2	5-1/2	247
P112-20M-115-M	114682	112	28.071	27.901	...	D3	0.19	1.55	2	5-1/2	273
P144-20M-115-N	114683	144	36.092	35.922	...	C3	0.00	2.05	2-7/16	5-7/8	392
P168-20M-115-N	114684	168	42.107	41.937	...	C3	0.00	2.05	2-7/16	5-7/8	469
P192-20M-115-N	114685	192	48.122	47.952	...	C3	0.00	2.05	2-7/16	5-7/8	552
P216-20M-115-N	114686	216	54.136	53.958	...	C3	0.00	2.05	2-7/16	5-7/8	618
20M-170					F = 7.5"						
P34-20M-170-MPB	114687	34	8.522	8.352	9.449	6F	2.25	1.25	2-1/8	4-3/8	81
P36-20M-170-MPB	114688	36	9.023	8.853	9.843	6F	2.25	1.25	2-1/8	4-1/2	93
P38-20M-170-J	114689	38	9.524	9.354	10.443	A1F	2.19	0.99	1-1/2	4-1/2	72
P40-20M-170-J	114690	40	10.026	9.855	10.827	A1F	2.19	0.99	1-1/2	4-1/2	80
P44-20M-170-J	114691	44	11.028	10.858	11.811	A1F	2.19	0.99	1-1/2	4-1/2	97
P48-20M-170-M	114692	48	12.031	11.861	12.795	D1F	1.50	0.24	2	5-1/2	148
P52-20M-170-M	114693	52	13.033	12.863	13.764	D1F	1.50	0.24	2	5-1/2	175
P56-20M-170-M	114694	56	14.036	13.856	14.764	D1F	1.50	0.24	2	5-1/2	204
P60-20M-170-M	114695	60	15.038	14.868	15.927	D1F	1.50	0.24	2	5-1/2	233
P64-20M-170-M	114696	64	16.041	15.871	16.929	D2F	1.50	0.24	2	5-1/2	210
P68-20M-170-M	114697	68	17.032	16.873	17.927	D2F	1.50	0.24	2	5-1/2	222
P72-20M-170-M	114698	72	18.046	17.876	18.898	D2F	1.50	0.24	2	5-1/2	230
P80-20M-170-M	114699	80	20.051	19.881	20.866	D2F	1.50	0.24	2	5-1/2	249
P90-20M-170-M	114700	90	22.557	22.387	23.425	D2F	1.50	0.24	2	5-1/2	285
P112-20M-170-N	114701	112	28.071	27.901	...	D3	1.25	0.80	2-7/16	5-7/8	361
P144-20M-170-N	114702	144	36.092	35.922	...	D3	1.25	0.80	2-7/16	5-7/8	478
P168-20M-170-P	114703	168	42.107	41.937	...	C3	1.06	1.24	2-7/16	7	658
P192-20M-170-P	114704	192	48.122	47.952	...	C3	1.06	1.24	2-7/16	7	739
P216-20M-170-P	114705	216	54.136	53.958	...	C3	1.06	1.24	2-7/16	7	901
20M-230					F = 9.88"						
P38-20M-230-MPB	114706	38	9.524	9.354	10.443	6F	2.63	1.25	2-7/8	5-1/4	120
P40-20M-230-MPB	114707	40	10.026	9.855	10.827	6F	2.63	1.25	2-7/8	5-7/8	147
P44-20M-230-MPB	114708	44	11.028	10.858	11.811	6F	2.63	1.25	2-7/8	6	180
P48-20M-230-M	114709	48	12.031	11.861	12.795	A1F	2.00	0.26	2	5-1/2	164
P52-20M-230-M	114710	52	13.033	12.863	13.764	A1F	2.00	0.26	2	5-1/2	193
P56-20M-230-M	114711		14.036	13.856	14.764	A1F	2.00	0.26	2	5-1/2	224
P60-20M-230-M	114712	60	15.038	14.868	15.927	A1F	2.00	0.26	2	5-1/2	252
P64-20M-230-M	114713	64	16.041	15.871	16.929	A2F	2.00	0.26	2	5-1/2	233
P68-20M-230-N	114714	68	17.032	16.873	17.927	D1F	1.81	0.24	2-7/16	5-7/8	375
P72-20M-230-N	114715	72	18.046	17.876	18.898	D2F	1.81	0.24	2-7/16	5-7/8	339
P80-20M-230-N	114716	80	20.051	19.881	20.866	D2F	1.81	0.24	2-7/16	5-7/8	331
P90-20M-230-N	114717	90	22.557	22.387	23.425	D2F	1.81	0.24	2-7/16	5-7/8	370
P112-20M-230-N	114718	112	28.071	27.901	...	D3	1.81	0.24	2-7/16	5-7/8	409
P144-20M-230-P	114719	144	36.092	35.922	...	D3	1.31	0.99	2-15/16	7	622
P168-20M-230-P	114720	168	42.107	41.937	...	D3	1.31	0.99	2-15/16	7	742
P192-20M-230-W	114721	192	48.122	47.952	...	C3	1.50	1.06	4	8-1/2	1111
P216-20M-230-W	114722	216	54.136	53.958	...	C3	1.50	1.06	4	8-1/2	1238

FEATURES/BENEFITS PAGE PT11-2	SELECTION PAGE PT11-19	ENGINEERING/TECHNICAL PAGE PT11-64	
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SPECIFICATION

QD HTD Sprockets



The figure following the sketch reference letter in the "Type" column indicates the construction of the sprocket (1 = Solid, 2 = Web, and 3 = Arms), and the letter "F" indicates that the sprocket has flanges.

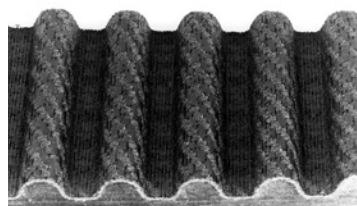
20MM QD HTD Sprockets

Sprocket Number	Part No.	No. Of Teeth	Diameters (Inches)			Type	Dimensions Inches)		Bore Sizes		Wt. (Lbs)
			Pitch	O.D.	Flange		M	K	Min.	Max.	
20M-290 F = 12.25"											
P52-20M-290-N	114723	52	13.033	12.863	13.764	A1F	2.50	0.50	2-7/16	5-7/8	202.7
P56-20M-290-N	114724	56	14.036	13.856	14.764	A1F	2.50	0.50	2-7/16	5-7/8	238.8
P60-20M-290-N	114725	60	15.038	14.868	15.927	A1F	2.50	0.50	2-7/16	5-7/8	276.5
P64-20M-290-N	114726	64	16.041	15.871	16.929	A1F	2.50	0.50	2-7/16	5-7/8	319.8
P68-20M-290-N	114727	68	17.032	16.873	17.927	A1F	2.50	0.50	2-7/16	5-7/8	367.9
P72-20M-290-N	114728	72	18.046	17.876	18.898	A2F	2.50	0.50	2-7/16	5-7/8	364.0
P80-20M-290-N	114729	80	20.051	19.881	20.866	A2F	2.50	0.50	2-7/16	5-7/8	369.6
P90-20M-290-N	114730	90	22.557	22.387	23.425	A2F	2.50	0.50	2-7/16	5-7/8	424.3
P112-20M-290-P	114731	112	28.071	27.901	...	A2	2.50	0.25	2-15/16	7	614.6
P144-20M-290-P	114732	144	36.092	35.922	...	A3	2.50	0.25	2-15/16	7	679.8
P168-20M-290-W	114733	168	42.107	41.937	...	A3	2.69	0.19	4	8-1/2	1117.1
P192-20M-290-W	114734	192	48.122	47.952	...	A3	2.69	0.19	4	8-1/2	1281.0
P216-20M-290-W	114735	216	54.136	53.958	...	A3	2.69	0.19	4	8-1/2	1175.6
20M-340 F = 14.25"											
P52-20M-340-N	114736	52	13.033	12.863	13.764	A1F	2.50	0.50	2-7/16	5-7/8	221.0
P56-20M-340-N	114737	56	14.036	13.856	14.764	A1F	2.50	0.50	2-7/16	5-7/8	258.0
P60-20M-340-N	114738	60	15.038	14.868	15.927	A1F	2.50	0.50	2-7/16	5-7/8	293.4
P64-20M-340-N	114739	64	16.041	15.871	16.929	A1F	2.50	0.50	2-7/16	5-7/8	337.9
P68-20M-340-N	114740	68	17.032	16.873	17.927	A1F	2.50	0.50	2-7/16	5-7/8	388.1
P72-20M-340-N	114741	72	18.046	17.876	18.898	A2F	2.50	0.50	2-7/16	5-7/8	393.1
P80-20M-340-P	114742	80	20.051	19.881	20.866	A1F	3.50	1.25	2-15/16	7	560.0
P90-20M-340-P	114743	90	22.557	22.387	23.425	A2F	3.50	1.25	2-15/16	7	497.3
P112-20M-340-P	114744	112	28.071	27.901	...	A2	3.50	1.25	2-15/16	7	653.3
P144-20M-340-W	114745	144	36.092	35.922	...	A3	2.63	0.13	4	8-1/2	851.0
P168-20M-340-W	114746	168	42.107	41.937	...	A3	2.63	0.13	4	8-1/2	1177.0
P192-20M-340-S	114747	192	48.122	47.952	...	D3	1.13	2.38	5-1/2	10	1519.4
P216-20M-340-S	114748	216	54.136	53.958	...	D3	1.13	2.38	5-1/2	10	1473.5

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DODGE H200 Belts



- 200% Rating of HTD Belts
- For Use on TAPER-LOCK HT Sprockets

Note: Belt length is in millimeters
To convert to inches, divide by 25.4

Example: 2600-8M-30 belt size
 $2600 \div 25.4 = 102.36$ inches belt length

5 MM Pitch HT200 Belts

15MM Wide			15MM Wide			25MM Wide			25MM Wide		
Description	Part No.	Wgt.	Description	Part No.	Wgt.	Description	Part No.	Wgt.	Description	Part No.	Wgt.
300-5M-15	142100	0.04	650-5M-15	142110	0.09	300-5M-25	142122	0.07	650-5M-25	142132	0.15
355-5M-15	142101	0.05	700-5M-15	142111	0.09	355-5M-25	142123	0.08	700-5M-25	142133	0.15
375-5M-15	142102	0.05	750-5M-15	142112	0.10	375-5M-25	142124	0.09	750-5M-25	142134	0.17
400-5M-15	142103	0.05	800-5M-15	142113	0.11	400-5M-25	142125	0.09	800-5M-25	142135	0.18
405-5M-15	142145	0.05	850-5M-15	142148	0.11	405-5M-25	142149	0.09	850-5M-25	142152	0.19
425-5M-15	142104	0.06	900-5M-15	142114	0.12	425-5M-25	142126	0.10	900-5M-25	142136	0.20
450-5M-15	142105	0.06	1000-5M-15	142115	0.14	450-5M-25	142127	0.10	1000-5M-25	142137	0.23
500-5M-15	142106	0.07	1150-5M-15	142116	0.16	500-5M-25	142128	0.11	1150-5M-25	142138	0.26
535-5M-15	142107	0.07	1300-5M-15	142117	0.18	535-5M-25	142129	0.12	1300-5M-25	142139	0.29
565-5M-15	142108	0.08	1450-5M-15	142118	0.20	565-5M-25	142130	0.13	1450-5M-25	142140	0.34
580-5M-15	142146	0.08	1600-5M-15	142119	0.22	580-5M-25	142150	0.13	1600-5M-25	142141	0.36
600-5M-15	142109	0.08	1720-5M-15	142120	0.23	600-5M-25	142131	0.14	1720-5M-25	142142	0.39
625-5M-15	142147	0.09	2100-5M-15	142121	0.29	625-5M-25	142151	0.14	2100-5M-25	142143	0.47

8 MM Pitch HT200 Belts

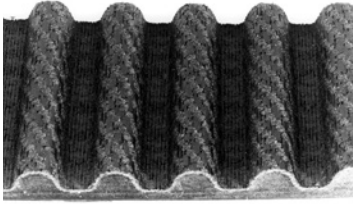
20MM Wide			30MM Wide			50MM Wide			85MM Wide		
Description	Part No.	Wt.	Description	Part No.	Wt.	Description	Part No.	Wt.	Description	Part No.	Wt.
384-8M-20	146400	0.12	384-8M-30	146433	0.19	384-8M-50	146466	0.33	384-8M-85	146499	0.55
480-8M-20	146401	0.13	480-8M-30	146434	0.20	480-8M-50	146467	0.34	480-8M-85	146500	0.57
560-8M-20	146402	0.16	560-8M-30	146435	0.23	560-8M-50	146468	0.39	560-8M-85	146501	0.66
600-8M-20	146403	0.17	600-8M-30	146436	0.25	600-8M-50	146469	0.42	600-8M-85	146502	0.71
640-8M-20	146404	0.18	640-8M-30	146437	0.27	640-8M-50	146470	0.45	640-8M-85	146503	0.76
720-8M-20	146405	0.20	720-8M-30	146438	0.30	720-8M-50	146471	0.50	720-8M-85	146504	0.85
800-8M-20	146406	0.22	800-8M-30	146439	0.33	800-8M-50	146472	0.56	800-8M-85	146505	0.95
840-8M-20	146407	0.23	840-8M-30	146440	0.35	840-8M-50	146473	0.59	840-8M-85	146506	1.00
880-8M-20	146408	0.25	880-8M-30	146441	0.37	880-8M-50	146474	0.61	880-8M-85	146507	1.04
920-8M-20	146409	0.26	920-8M-30	146442	0.39	920-8M-50	146475	0.64	920-8M-85	146508	1.09
960-8M-20	146410	0.27	960-8M-30	146443	0.40	960-8M-50	146476	0.67	960-8M-85	146509	1.14
1040-8M-20	146411	0.29	1040-8M-30	146444	0.43	1040-8M-50	146477	0.74	1040-8M-85	146510	1.23
1064-8M-20	146412	0.30	1064-8M-30	146445	0.45	1064-8M-50	146478	0.76	1064-8M-85	146511	1.27
1120-8M-20	146413	0.31	1120-8M-30	146446	0.47	1120-8M-50	146479	0.78	1120-8M-85	146512	1.33
1160-8M-20	146414	0.32	1160-8M-30	146447	0.48	1160-8M-50	146480	0.8	1160-8M-85	146513	1.28
1200-8M-20	146415	0.34	1200-8M-30	146448	0.50	1200-8M-50	146481	0.84	1200-8M-85	146514	1.42
1224-8M-20	146416	0.35	1224-8M-30	146449	0.51	1224-8M-50	146482	0.87	1224-8M-85	146515	1.47
1280-8M-20	146417	0.36	1280-8M-30	146450	0.53	1280-8M-50	146483	0.89	1280-8M-85	146516	1.52
1440-8M-20	146418	0.40	1440-8M-30	146451	0.60	1440-8M-50	146484	1.01	1440-8M-85	146517	1.71
1512-8M-20	146419	0.42	1512-8M-30	146452	0.62	1512-8M-50	146485	1.05	1512-8M-85	146518	1.79
1584-8M-20	146420	0.43	1584-8M-30	146453	0.65	1584-8M-50	146486	1.09	1584-8M-85	146519	1.82
1600-8M-20	146421	0.45	1600-8M-30	146454	0.67	1600-8M-50	146487	1.11	1600-8M-85	146520	1.90
1760-8M-20	146422	0.49	1760-8M-30	146455	0.73	1760-8M-50	146488	1.23	1760-8M-85	146521	2.08
1800-8M-20	146423	0.50	1800-8M-30	146456	0.75	1800-8M-50	146489	1.25	1800-8M-85	146522	2.13
2000-8M-20	146424	0.56	2000-8M-30	146457	0.83	2000-8M-50	146490	1.39	2000-8M-85	146523	2.37
2200-8M-20	146425	0.60	2200-8M-30	146458	0.90	2200-8M-50	146491	1.50	2200-8M-85	146524	2.55
2400-8M-20	146426	0.67	2400-8M-30	146459	1.00	2400-8M-50	146492	1.67	2400-8M-85	146525	2.84
2600-8M-20	146427	0.79	2600-8M-30	146460	1.09	2600-8M-50	146493	1.81	2600-8M-85	146526	3.09
2800-8M-20	146428	0.80	2800-8M-30	146461	1.17	2800-8M-50	146494	1.95	2800-8M-85	146527	3.32
3048-8M-20	146429	0.85	3048-8M-30	146462	1.27	3048-8M-50	146495	2.00	3048-8M-85	146528	3.62
3280-8M-20	146430	0.92	3280-8M-30	146463	1.37	3280-8M-50	146496	2.29	3280-8M-85	146529	3.89
3600-8M-20	146431	1.01	3600-8M-30	146464	1.51	3600-8M-50	146497	2.51	3600-8M-85	146530	4.27
4400-8M-20	146432	1.23	4400-8M-30	146465	1.84	4400-8M-50	146498	3.07	4400-8M-85	146531	5.22

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SPECIFICATION

DODGE H200 Belts



- 200% Rating of HTD Belts
- For Use on TAPER-LOCK HT Sprockets

Note: Belt length is in millimeters

To convert to inches, divide by 25.4

Example: 2600-8M-30 belt size

$2600 \div 25.4 = 102.36$ inches belt length

14 MM Pitch HT200 Belts

40MM Wide			55MM Wide			85MM Wide			115MM Wide			170MM Wide		
Description	Part No.	Wt.	Description	Part No.	Wt.	Description	Part No.	Wt.	Description	Part No.	Wt.	Description	Part No.	Wt.
966-14M-40	146532	0.84	966-14M-55	146554	1.15	966-14M-85	146576	1.78	966-14M-115	146598	2.41	966-14M-170	146620	3.56
1190-14M-40	146533	1.03	1190-14M-55	146555	1.42	1190-14M-85	146577	2.20	1190-14M-115	146599	2.98	1190-14M-170	146621	4.39
1400-14M-40	146534	1.21	1400-14M-55	146556	1.67	1400-14M-85	146578	2.58	1400-14M-115	146600	3.50	1400-14M-170	146622	5.16
1610-14M-40	146535	1.40	1610-14M-55	146557	1.92	1610-14M-85	146579	2.97	1610-14M-115	146601	4.02	1610-14M-170	146623	5.95
1778-14M-40	146536	1.54	1778-14M-55	146558	2.13	1778-14M-85	146580	3.28	1778-14M-115	146602	4.45	1778-14M-170	146624	6.56
1890-14M-40	146537	1.64	1890-14M-55	146559	2.26	1890-14M-85	146581	3.49	1890-14M-115	146603	4.73	1890-14M-170	146625	6.97
2100-14M-40	146538	1.82	2100-14M-55	146560	2.51	2100-14M-85	146582	3.88	2100-14M-115	146604	5.25	2100-14M-170	146626	7.75
2310-14M-40	146539	2.00	2310-14M-55	146561	2.76	2310-14M-85	146583	4.26	2310-14M-115	146605	5.77	2310-14M-170	146627	8.53
2450-14M-40	146540	2.13	2450-14M-55	146562	2.93	2450-14M-85	146584	4.52	2450-14M-115	146606	6.13	2450-14M-170	146628	9.04
2590-14M-40	146541	2.25	2590-14M-55	146563	3.10	2590-14M-85	146585	4.78	2590-14M-115	146607	6.47	2590-14M-170	146629	9.55
2800-14M-40	146542	2.43	2800-14M-55	146564	3.34	2800-14M-85	146586	5.17	2800-14M-115	146608	7.00	2800-14M-170	146630	10.33
3150-14M-40	146543	2.73	3150-14M-55	146565	3.77	3150-14M-85	146587	5.82	3150-14M-115	146609	7.87	3150-14M-170	146631	11.62
3360-14M-40	146544	2.91	3360-14M-55	146566	4.02	3360-14M-85	146588	6.20	3360-14M-115	146610	8.39	3360-14M-170	146631	12.39
3500-14M-40	146545	3.03	3500-14M-55	146567	4.19	3500-14M-85	146589	6.46	3500-14M-115	146611	8.75	3500-14M-170	146633	12.90
3850-14M-40	146546	3.33	3850-14M-55	146568	4.60	3850-14M-85	146590	7.10	3850-14M-115	146612	9.62	3850-14M-170	146634	14.20
4326-14M-40	146547	3.74	4326-14M-55	146569	5.17	4326-14M-85	146591	8.00	4326-14M-115	146613	10.80	4326-14M-170	146635	15.96
4578-14M-40	146548	3.96	4578-14M-55	146570	5.48	4578-14M-85	146592	8.45	4578-14M-115	146614	11.42	4578-14M-170	146636	16.90
4956-14M-40	146549	4.29	4956-14M-55	146571	5.90	4956-14M-85	146593	9.11	4956-14M-115	146615	12.33	4956-14M-170	146637	18.23
5320-14M-40	146550	4.61	5320-14M-55	146572	6.33	5320-14M-85	146594	9.28	5320-14M-115	146616	13.24	5320-14M-170	146638	19.57
5740-14M-40	146551	4.97	5740-14M-55	146573	6.83	5740-14M-85	146595	10.55	5740-14M-115	146617	14.29	5740-14M-170	146639	25.00
6160-14M-40	146552	5.33	6160-14M-55	146574	7.33	6160-14M-85	146596	11.32	6160-14M-115	146618	15.34	6160-14M-170	146640	22.67
6860-14M-40	146553	5.94	6860-14M-55	146575	8.16	6860-14M-85	146597	12.61	6860-14M-115	146619	17.08	6860-14M-170	146641	25.25

20MM Pitch HTD Belts

115MM Wide			170MM Wide			230MM Wide			290MM Wide			340MM Wide		
Size	Part No.	Wt.	Size	Part No.	Wt.	Size	Part No.	Wt.	Size	Part No.	Wt.	Size	Part No.	Wt.
2000-20M-115	142288	6	2000-20M-170	142303	9	2000-20M-230	142318	12	2000-20M-290	142333	16	2000-20M-340	142348	19
2500-20M-115	142289	8	2500-20M-170	142304	11	2500-20M-230	142319	15	2500-20M-290	142334	20	2500-20M-340	142349	24
3400-20M-115	142290	11	3400-20M-170	142305	16	3400-20M-230	142320	22	3400-20M-290	142335	27	3400-20M-340	142350	32
3800-20M-115	142291	12	3800-20M-170	142306	18	3800-20M-230	142321	24.5	3800-20M-290	142336	30.5	3800-20M-340	142351	35.5
4200-20M-115	142292	13	4200-20M-170	142307	20	4200-20M-230	142322	27	4200-20M-290	142337	34	4200-20M-340	142352	39
4600-20M-115	142293	14.5	4600-20M-170	142308	21.5	4600-20M-230	142323	29.5	4600-20M-290	142338	37	4600-20M-340	142353	43
5000-20M-115	142294	16	5000-20M-170	142309	23	5000-20M-230	142324	32	5000-20M-290	142339	40	5000-20M-340	142354	47
5200-20M-115	142295	16.5	5200-20M-170	142310	24	5200-20M-230	142325	33	5200-20M-290	142340	41.5	5200-20M-340	142355	49
5400-20M-115	142296	17	5400-20M-170	142311	25	5400-20M-230	142326	34	5400-20M-290	142341	43	5400-20M-340	142356	51
5600-20M-115	142297	17.5	5600-20M-170	142312	26	5600-20M-230	142327	35.5	5600-20M-290	142342	44.5	5600-20M-340	142357	52.5
5800-20M-115	142298	18.0	5800-20M-170	142313	27	5800-20M-230	142328	37	5800-20M-290	142343	46	5800-20M-340	142358	54
6000-20M-115	142299	19	6000-20M-170	142314	28	6000-20M-230	142329	38	6000-20M-290	142344	48	6000-20M-340	142359	56
6200-20M-115	142300	20.0	6200-20M-170	142315	29	6200-20M-230	142330	39	6200-20M-290	142345	50	6200-20M-340	142360	58
6400-20M-115	142301	21	6400-20M-170	142316	30	6400-20M-230	142331	40.5	6400-20M-290	142346	51.5	6400-20M-340	142361	60.0
6600-20M-115	142302	22.0	6600-20M-170	142317	31	6600-20M-230	142332	42	6600-20M-290	142347	53	6600-20M-340	142362	62



PROCEDURE

1. Obtain required information:

- Motor name plate HP
- Motor or DriveR RPM and Shaft size
- DriveN Machine RPM and Shaft size
- Approximate center distance
- Service factor information

2. Determine Service Factor: (Page PT11-20)

- Determine type of Driven Machine from Table 1
- Choose Basic Service Factor in appropriate column of the following S.F. Table
- Add additional service factor for slow speed drives, idlers or speed up drives were applicable

3. Calculate Design Horsepower:

- Multiply Motor HP or normal running HP times Service Factor from Step 2
- Note: Recommended Min. Sprocket Diameter, if applicable, from NEMA table on page PT11-21.

4. Determine Belt Pitch: (Page PT11-21)

- Choose belt pitch based upon Design HP and RPM of faster shaft

5. Select Smaller Sprocket:

- Look at Basic HP rating tables of belt Pitch selected in Step 4
- Scan HP rating at RPM of faster shaft. (Pg. PT11-22 thru PT11-26)
- Find sprocket size(s) that have HP rating at or above Design HP

6. Calculate Drive Speed Ratio:

- Divide Fast Shaft RPM by Slow Shaft RPM

7. Select Sprockets and Belt:

- Refer to "Ratio/Center Distance" Tables for Belt pitch chosen in Step 4. (Pg. PT11-35 - PT11-65)
- 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 a HTR/HTRC drive to connect a 15HP APG gearmotor to a package conveyor headshaft. Reducer output is 125 RPM, shaft size is 2". Headshaft is 2-3/4" and is to run at 70 RPM. Center distance is 19-23", operation is 14 hrs/day.

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

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

Step 4. Belt Pitch: Referring to page PT11-21, 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 23.5 HP. Interpolation for 125 RPM gives 29.2 HP. Other alternatives are also available (see below)

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

Step 7. Sprocket Selection: Refer to 14MM Ratio/Center Distance tables. For 1.79 ratio, note that there are 5 drive combinations in the 1.78 to 1.8 range. The 38 tooth DriveR and the 68 tooth DriveN combination appears to be good, however we need to account for the belt length correction factor of .95, which gives us a net design HP of 27.7. (Note 20.2" C.D. requires a 1778 length code belt)

Step 8. Finalize Selection: Select the 38 to 68 tooth combination with a 1778 length code belt for 20.2" C.D. From step 7, rated HP is 27.7

There are many optional drive selections. For drive verification or complete list of choices run ViaSync at www.ptwizard.com.

Step 9. Specify Drive:

Original Selection:

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

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

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

Selection program available online at ptwizard.com

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SELECTION

Service Factors

Table 1

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

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

Additional Service Factors

Low Speed Drives

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

Speed-up Drives

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

Speed-up Ratio Range	Additional Factor	Speed-up Ratio Range	Additional Factor
1 to 1.24	none	2.5 to 3.49	0.3
1.25 to 1.74	0.1	3.5 & over	0.4
1.75 to 2.49	0.2		

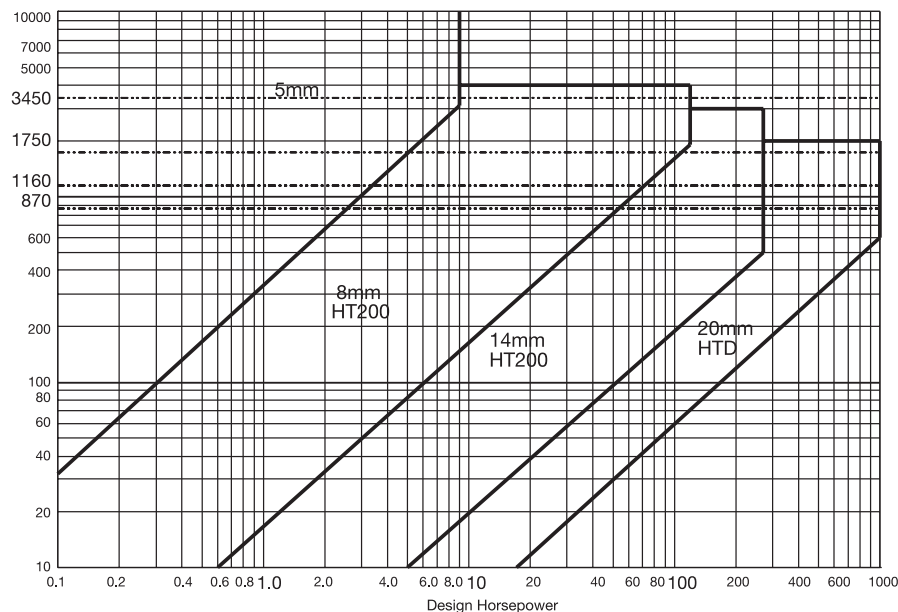
Unusual Conditions

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

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Belt Pitch Selection Guide



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

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

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

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



SELECTION

HT200 Basic Horsepower Rating

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

8M-20	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM Small Shaft	22 2.21	24 2.41	26 2.61	28 2.81	30 3.01	32 3.21	34 3.41	36 3.61	38 3.81	40 4.01	44 4.44	48 4.81	56 5.61	64 6.42	72 7.22	80 8.02	
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.2	0.2	0.2	0.2	0.3	0.3	0.3	
20	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.27	0.3	0.3	0.4	0.4	0.5	0.6	0.6	
40	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.51	0.5	0.6	0.7	0.8	0.9	1.1	1.2	
60	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.74	0.8	0.9	1.0	1.9	1.4	1.6	1.8	
100	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.9	2.3	2.5	2.8	
200	1.0	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3	2.5	2.8	3.1	3.7	4.3	4.9	5.5	
300	1.5	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.4	3.6	4.0	4.5	5.4	6.2	7.1	8.0	
400	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.37	4.7	53	5.9	7.0	8.4	9.3	10.5	
500	2.4	2.8	3.2	3.5	3.9	4.3	4.6	5.0	5.38	5.7	6.5	7.2	8.6	10.1	11.5	12.9	
600	2.8	3.1	3.7	4.2	4.6	5.1	5.5	6.0	6.37	6.8	7.7	8.5	10.2	11.9	13.6	15.3	
700	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.9	7.35	7.9	8.9	9.9	11.8	13.8	15.7	17.6	
800	3.7	4.3	4.9	5.4	6.0	6.6	7.2	7.8	8.31	8.9	10.0	11.1	13.4	15.6	17.8	20.0	
870	4.0	4.6	5.2	5.9	6.5	7.1	7.7	8.4	8.98	9.6	10.8	12.0	14.5	16.9	19.2	21.6	
1000	4.5	5.2	5.9	6.7	7.4	8.1	8.8	9.5	10.2	10.9	12.3	13.7	16.5	19.2	21.9	24.5	
1160	5.1	6.0	6.8	7.6	8.5	9.3	10.1	10.9	11.7	12.5	14.1	15.7	18.9	22.0	25.1	28.1	
1200	5.3	6.2	7.0	7.9	8.7	9.6	10.4	11.2	12.1	12.9	14.6	16.2	19.5	22.7	25.9	29.0	
1400	6.1	7.1	8.1	9.0	10.0	11.0	12.0	12.9	13.9	14.9	16.8	18.7	22.4	26.1	29.8	33.4	
1600	6.8	8.0	9.1	10.2	11.3	12.4	13.5	14.6	15.7	16.8	19.0	21.1	25.3	29.5	33.6	37.7	
1750	7.4	8.6	9.9	11.1	12.3	13.5	14.7	15.9	17.1	18.2	20.6	22.9	27.5	32.0	36.5	40.8	
2000	8.4	9.7	11.1	12.5	13.9	15.2	16.6	17.9	19.3	20.6	23.2	25.8	31.0	36.1	41.1	45.9	
2400	9.8	11.4	13.1	14.7	16.3	17.9	19.5	21.1	22.7	24.3	27.4	30.5	36.5	42.4	48.2	53.8	
2800	11.2	13.1	15.0	16.9	18.7	20.6	22.4	24.2	26.0	27.8	31.4	34.9	41.8	48.5	54.9	61.2	
3200	12.6	14.8	16.9	19.0	21.1	23.2	25.2	27.3	29.3	31.3	35.3	39.2	46.9	54.2	61.3		
3450	13.5	15.8	18.0	20.3	22.5	24.8	27.0	29.1	31.3	33.5	37.7	41.9	50.0	57.7	65.1		
4000	15.3	17.9	20.5	23.1	25.6	28.2	30.7	33.1	35.6	38.0	42.8	47.4	56.4				
4500	16.9	19.8	22.7	25.5	28.4	31.1	33.9	36.6	39.3	42.0	47.2	52.2					
5000	18.5	21.7	24.8	27.9	31.0	34.0	37.0	40.0	42.9	45.7	51.3	56.7					
5500	20.0	23.5	26.9	30.2	33.6	36.8	40.0	43.2	46.3	49.3	55.3						

8M-30	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)																
RPM Small Shaft	22 2.21	24 2.41	26 2.61	28 2.81	30 3.01	32 3.21	34 3.41	36 3.61	38 3.81	40 4.01	44 4.44	48 4.81	56 5.61	64 6.42	72 7.22	80 8.02	
10	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	
20	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
40	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.5	1.7	1.9	
60	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.9	2.2	2.5	2.8	
100	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.3	2.5	3.0	3.5	4.0	4.5	
200	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.3	4.8	5.8	6.7	7.6	8.6	
300	2.4	2.7	3.1	3.5	3.8	4.2	4.5	4.9	5.3	5.6	6.3	7.0	8.4	9.8	11.2	12.5	
400	3.1	3.6	4.0	4.5	5.0	5.5	5.9	6.4	6.9	7.3	8.3	9.2	11.0	12.8	14.6	16.4	
500	3.8	4.4	5.0	5.5	6.1	6.7	7.3	7.9	8.5	9.0	10.2	11.3	13.6	15.8	18.0	20.2	
600	4.5	5.2	5.9	6.6	7.3	7.9	8.6	9.3	10.0	10.7	12.0	13.4	16.1	18.7	21.4	24.0	
700	5.1	5.9	6.7	7.5	8.4	9.2	10.0	10.7	11.5	12.3	13.9	15.5	18.6	21.6	24.7	27.7	
800	5.8	6.7	7.6	8.5	9.4	10.3	11.2	12.1	13.0	13.9	15.7	17.5	21.0	24.5	27.9	31.4	
870	6.2	7.2	8.2	9.2	10.2	11.2	12.2	13.1	14.1	15.1	17.0	18.9	22.7	26.5	30.2	33.9	
1000	7.1	8.2	9.3	10.5	11.6	12.7	13.8	14.9	16.0	17.1	19.3	21.5	25.8	30.1	34.3	38.5	
1160	8.1	9.4	10.7	12.0	13.3	14.5	15.8	17.1	18.4	19.6	22.2	24.7	29.6	34.5	39.4	44.2	
1200	8.3	9.7	11.0	12.3	13.7	15.0	16.3	17.6	19.0	20.3	22.9	25.4	30.6	35.6	40.6	45.6	
1400	9.5	11.1	12.7	14.2	15.7	17.3	18.8	20.3	21.8	23.3	26.3	29.3	35.2	41.0	46.8	52.4	
1600	10.8	12.5	14.3	16.0	17.8	19.5	21.2	23.0	24.7	26.4	29.8	33.1	39.8	46.3	52.8	59.1	
1750	11.6	13.6	15.5	17.4	19.3	21.2	23.0	24.9	26.8	28.6	32.3	36.0	43.2	50.3	57.2	64.1	
2000	13.1	15.3	17.5	19.6	21.8	23.9	26.0	28.1	30.2	32.3	36.5	40.6	48.7	56.7	64.5	72.1	
2400	15.4	18.0	20.5	23.1	25.6	28.1	30.7	33.1	35.6	38.1	43.0	47.8	57.3	66.6	75.6	84.4	
2800	17.6	20.6	23.6	26.5	29.4	32.3	35.2	38.0	40.9	43.7	49.3	54.8	65.6	76.1	86.2	96.0	
3200	19.8	23.2	26.5	29.8	33.1	36.4	39.6	42.8	46.0	49.2	55.4	61.6	73.6	85.2	96.2		
3450	21.1	24.7	28.3	31.9	35.4	38.9	42.3	45.8	49.2	52.5	59.2	65.7	78.4	90.6	102.2		
4000	24.0	28.1	32.2	36.2	40.3	44.2	48.1	52.0	55.9	59.7	67.1	74.5	88.5				
4500	26.6	31.1	35.6	40.1	44.5	48.9	53.2	57.5	61.7	65.9	74.0	82.0					
5000	29.0	34.0	39.0	43.8	48.7	53.4	58.1	62.8	67.3	71.8	80.6	89.1					
5500	31.4	36.8	42.2	47.5	52.7	57.8	62.9	67.8	72.7	77.5	86.8						

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

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SELECTION



HT200 Basic Horsepower Rating

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

8M-50	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
	RPM Small Shaft	22 2.21	24 2.41	26 2.61	28 2.81	30 3.01	32 3.21	34 3.41	36 3.61	38 3.81	40 4.01	44 4.44	48 4.81	56 5.61	64 6.42	80 8.02
10		0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8
20		0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.1	1.3	1.5
40		0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.7	1.9	2.2	2.6	2.9
60		0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.4	2.7	3.2	3.8	4.3
100		1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.9	4.4	5.2	6.1	6.9
200		2.9	3.3	3.7	4.1	4.6	5.0	5.4	5.8	6.3	6.7	7.5	8.4	10.0	11.7	13.3
300		4.1	4.8	5.4	6.0	6.7	7.23	7.9	8.5	9.2	9.8	11.0	12.2	14.6	17.0	19.4
400		5.4	6.2	7.0	7.9	8.7	9.5	10.3	11.1	11.9	12.7	14.4	16.0	19.2	22.3	25.5
500		6.6	7.6	8.6	9.6	10.7	11.7	12.7	13.7	14.7	15.7	17.7	19.7	23.6	27.5	31.4
600		7.7	9.0	10.2	11.4	12.6	13.8	15.0	16.2	17.4	18.6	20.9	23.3	28.0	32.6	37.2
700		8.9	10.3	11.7	13.1	14.5	15.9	17.3	18.7	20.1	21.4	24.2	26.9	32.3	37.6	42.9
800		10.0	11.6	13.2	14.8	16.4	18.0	19.6	21.1	22.7	24.2	27.3	30.4	36.5	42.6	48.6
870		10.8	12.6	14.3	16.0	17.7	19.4	21.1	22.8	24.5	26.2	29.5	32.9	39.5	46.0	52.5
1000		12.3	14.2	16.2	18.2	20.1	22.1	24.0	25.9	27.9	29.8	33.6	37.4	44.9	52.4	59.7
1160		14.0	16.3	18.6	20.8	23.1	25.3	27.5	29.7	32.0	34.1	38.5	42.9	51.5	60.0	68.5
1200		14.4	16.8	19.1	21.5	23.8	26.1	28.4	30.7	33.0	35.2	39.8	44.2	53.1	61.9	70.6
1400		16.6	19.3	22.0	24.7	27.4	30.0	32.7	35.3	38.0	40.6	45.8	51.0	61.2	71.3	81.3
1600		18.7	21.8	24.8	27.9	30.9	33.9	36.9	39.9	42.9	45.9	51.8	57.6	69.2	80.6	91.8
1750		20.2	23.6	26.9	30.2	33.5	36.8	40.1	43.3	46.6	49.8	56.2	62.5	75.0	87.4	99.5
2000		22.8	26.6	30.3	34.1	37.8	41.5	45.2	48.9	52.6	56.2	63.4	70.6	84.7	98.5	112.1
2400		26.8	31.3	35.7	40.2	44.6	48.9	53.3	57.6	62.0	66.2	74.7	83.1	99.7	115.8	131.5
2800		30.7	35.8	41.0	46.1	51.2	56.2	61.2	66.2	71.1	76.0	85.7	95.3	114.1	132.3	149.9
3200		34.4	40.3	46.1	51.9	57.6	63.2	68.9	74.5	80.0	85.5	96.4	107.1	128.0	148.1	167.4
3450		36.8	43.0	49.2	55.4	61.5	67.6	73.6	79.6	85.5	91.3	102.9	114.3	136.4	157.5	177.7
4000		41.8	48.9	56.0	63.0	70.0	76.9	83.7	90.4	97.1	103.7	116.8	129.5	154.0		
4500		46.2	54.1	62.0	69.7	77.4	85.0	92.6	100.0	107.3	114.5	128.7	142.5			
5000		50.5	59.1	67.8	76.2	84.7	92.9	101.1	109.1	117.1	124.9	140.1	154.9			
5500		54.6	64.0	73.4	82.5	91.6	100.5	109.3	117.9	126.4	134.7	150.9				

8M-85	Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
	RPM Small Shaft	22 2.21	24 2.41	26 2.61	28 2.81	30 3.01	32 3.21	34 3.41	36 3.61	38 3.81	40 4.01	44 4.44	48 4.81	56 5.61	64 6.42	80 8.02
10		0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.4
20		0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.7	2.0	2.3	2.6
40		1.1	1.3	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.9	3.2	3.8	4.5	5.1
60		1.6	1.9	2.1	2.4	2.6	2.8	3.1	3.3	3.5	3.8	4.2	4.7	5.6	6.5	7.4
100		2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.1	6.8	7.6	9.1	10.6	12.0
200		5.0	5.7	6.5	7.2	8.0	8.7	9.4	10.2	10.9	11.6	13.1	14.5	17.4	20.3	23.1
300		7.2	8.3	9.4	10.5	11.6	12.7	13.7	14.8	15.9	17.0	19.1	21.2	25.5	29.7	33.8
400		9.3	10.8	12.2	13.7	15.1	16.5	17.9	19.4	20.8	22.2	25.0	27.8	33.3	38.8	44.3
500		11.4	13.2	15.0	16.8	18.5	20.3	22.1	23.8	25.6	27.3	30.8	34.2	41.0	47.8	54.6
600		13.5	15.6	17.7	19.8	21.9	24.0	26.1	28.2	30.3	32.3	36.4	40.5	48.6	56.7	64.7
700		15.5	17.9	20.4	22.8	25.3	27.7	30.1	32.5	34.9	37.3	42.0	46.8	56.1	65.4	74.7
800		17.5	20.2	23.0	25.8	28.6	31.3	34.0	36.8	39.5	42.2	47.6	52.9	63.6	74.1	84.5
870		18.8	21.8	24.9	27.8	30.8	33.8	36.8	39.7	42.7	45.6	51.4	57.2	68.7	80.1	91.4
1000		21.3	24.8	28.2	31.6	35.0	38.4	41.8	45.1	48.5	51.8	58.5	65.1	78.2	91.1	103.9
1160		24.4	28.3	32.3	36.2	40.1	44.0	47.9	51.7	55.6	59.4	67.0	74.6	89.6	104.5	119.1
1200		25.1	29.2	33.3	37.3	41.4	45.4	49.4	53.4	57.4	61.3	69.2	77.0	92.5	107.8	122.9
1400		28.9	33.6	38.3	43.0	47.6	52.3	56.9	61.5	66.1	70.6	79.7	88.7	106.5	124.1	141.5
1600		32.5	37.9	43.2	48.5	53.8	59.0	64.3	69.4	74.6	79.8	90.1	100.2	120.4	140.2	159.7
1750		35.2	41.0	46.8	52.6	58.3	64.0	69.7	75.4	81.0	86.6	97.7	108.8	130.6	152.0	173.1
2000		39.6	46.2	52.8	59.3	65.8	72.3	78.7	85.1	91.4	97.8	110.3	122.8	147.3	171.4	195.0
2400		46.6	54.4	62.2	69.9	77.6	85.2	92.8	100.3	107.8	115.2	130.0	144.6	173.4	201.4	228.8
2800		53.3	62.3	71.3	80.2	89.0	97.8	106.5	115.1	123.7	132.3	149.2	165.9	198.5	230.2	260.9
3200		59.9	70.1	80.2	90.2	100.2	110.0	119.9	129.6	139.3	148.8	167.7	186.4	222.7	257.6	291.2
3450		64.0	74.9	85.7	96.4	107.0	117.6	128.1	138.4	148.7	158.9	179.1	198.8	237.3	274.1	309.1
4000		72.7	85.1	97.5	109.6	121.8	133.7	145.6	157.4	169.0	180.5	203.1	225.3	267.9		
4500		80.3	94.1	107.8	121.3	134.7	147.9	161.0	173.9	186.7	199.3	224.0	248.0			
5000		87.8	102.9	117.9	132.7	147.3	161.7	175.9	189.9	203.7	217.3	243.8	269.4			
5500		95.0	111.4	127.7	143.6	159.4	174.9	190.2	205.2	220.0	234.4	262.5				

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

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SELECTION

HT200 Basic Horsepower Rating

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

14M-40		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
Small Shaft	4.91	5.09	5.26	5.61	5.97	6.32	6.67	7.02	7.72	8.42	9.12	9.83	10.53	11.23	11.93	12.63	14.04
10	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
20	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.3
40	2.2	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.6	6.2
60	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	5.1	5.6	6.0	6.5	7.0	7.4	7.9	8.4	9.3
100	5.4	5.6	5.8	6.2	6.6	7.0	7.4	7.7	8.5	9.3	10.0	10.8	11.6	12.4	13.1	13.9	15.5
200	10.1	10.5	10.9	11.8	12.7	13.5	14.4	15.3	17.0	18.5	20.1	21.6	23.2	24.7	26.3	27.8	30.9
300	13.6	14.2	14.8	15.9	17.2	18.3	19.6	20.8	23.2	25.7	28.3	30.9	33.5	36.1	38.8	41.5	46.3
400	16.9	17.6	18.3	19.8	21.3	22.7	24.2	25.8	28.8	31.9	35.0	38.3	41.5	44.8	48.1	51.4	58.2
500	20.0	20.8	21.7	23.4	25.1	26.9	28.6	30.4	34.01	37.7	41.4	45.2	49.0	52.8	56.7	60.6	68.6
600	22.9	23.9	24.8	26.8	28.8	30.8	32.8	34.8	39.0	43.1	47.4	51.7	56.1	60.4	64.9	69.3	78.4
700	25.7	26.8	27.8	30.0	32.3	34.5	36.8	39.1	43.7	48.3	53.1	57.9	62.8	67.7	72.6	77.6	87.7
800	28.4	29.6	30.7	33.2	35.7	38.1	40.6	43.1	48.2	53.3	58.5	63.9	69.2	74.6	80.0	85.4	96.4
870	30.2	31.5	32.7	35.3	38.0	40.6	43.2	45.9	51.3	56.7	62.2	67.9	73.5	79.2	85.0	90.6	102.3
1000	33.5	34.9	36.3	39.3	42.3	45.3	48.3	51.2	57.1	62.8	68.8	75.0	81.2	87.4	94.0	99.9	112.6
1160	37.7	39.4	41.1	44.6	48.0	51.4	54.8	58.1	64.7	71.2	77.6	84.0	90.2	96.9	103.7	110.6	124.3
1200	38.7	40.6	42.3	45.9	49.4	52.9	56.4	59.8	66.6	73.3	79.9	86.4	92.8	99.2	106.1	113.1	127.1
1400	44.1	46.2	48.2	52.3	56.3	60.3	64.2	68.1	75.8	83.4	90.8	98.1	105.3	112.3	119.2	126.0	139.9
1600	49.3	51.6	53.9	58.4	62.9	67.3	71.7	76.1	84.7	93.1	101.3	109.4	117.2	125.0	132.5	139.8	154.0
1750	53.1	55.5	58.0	62.9	67.7	72.5	77.2	81.9	91.1	100.1	108.9	117.4	125.8	134.0	141.9	149.6	164.3
2000	59.2	61.9	64.7	70.1	75.5	80.8	86.1	91.3	101.4	111.3	120.9	130.2	139.3	148.0	156.5		
2400	68.5	71.7	74.9	81.2	87.3	93.4	99.4	105.3	116.8	127.9	138.6	148.8					
2800	77.3	80.9	84.4	91.5	98.4	105.2	111.8	118.3	130.9	142.9							
3200	85.5	89.5	93.4	101.1	108.6	116.0	123.2	130.1	143.5								
3600	93.2	97.5	101.7	110.0	118.1	125.9	133.5										
4000	100.4	105.0	109.5	118.2	126.7	134.8											

14M-55		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
Small Shaft	4.91	5.09	5.26	5.61	5.97	6.32	6.67	7.02	7.72	8.42	9.12	9.83	10.53	11.23	11.93	12.63	14.04
10	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.6
20	1.6	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.6	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.9
40	3.1	3.2	3.3	3.6	3.8	4.0	4.2	4.5	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.2	9.2
60	4.7	4.8	5.0	5.3	5.7	6.0	6.4	6.7	7.4	8.0	8.7	9.4	10.0	10.7	11.4	12.0	13.4
100	7.8	8.1	8.3	8.9	9.5	10.0	10.6	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0	22.3
200	14.5	15.1	15.7	17.0	18.2	19.5	20.8	22.1	24.5	26.7	28.9	31.2	33.4	35.6	37.8	40.1	44.5
300	19.6	20.5	21.3	23.0	24.7	26.4	28.2	29.9	33.5	37.1	40.7	44.5	48.2	52.0	55.9	59.7	66.7
400	24.3	25.4	26.4	28.4	30.6	32.8	34.9	37.1	41.5	46.0	50.5	55.4	59.8	64.5	69.2	74.0	83.8
500	28.8	30.0	31.2	33.7	36.2	38.7	41.3	43.8	49.0	54.3	59.6	65.1	70.6	76.1	81.7	87.3	98.9
600	33.0	34.4	35.8	38.6	41.5	44.4	47.3	50.2	56.2	62.2	68.3	74.5	80.8	87.1	93.5	99.9	113.0
700	37.0	38.6	40.1	43.3	46.5	49.8	53.0	56.3	62.9	69.7	76.5	83.5	90.5	97.5	104.6	111.8	126.4
800	41.2	43.1	45.0	48.7	52.4	56.1	59.8	63.5	70.7	77.8	84.8	92.1	99.7	107.5	115.2	123.1	139.0
870	44.2	46.3	48.3	52.4	56.4	60.3	64.3	68.2	76.0	83.6	91.2	98.7	106.0	114.2	122.4	130.7	147.5
1000	49.8	52.1	54.4	59.0	63.5	68.0	72.4	76.9	85.6	94.2	102.7	111.1	119.4	127.6	135.6	144.1	162.5
1160	56.5	59.1	61.7	66.9	72.0	77.1	82.2	87.2	97.1	106.9	116.5	125.9	135.3	144.5	153.5	162.4	179.8
1200	58.1	60.8	63.5	68.8	74.1	79.4	84.6	89.7	99.9	110.0	119.8	129.6	139.1	148.6	157.8	167.0	184.8
1400	66.1	69.2	72.3	78.4	84.4	90.4	96.3	102.2	113.7	125.1	136.2	147.2	158.0	168.5	178.9	189.0	208.7
1600	73.9	77.4	80.8	87.6	94.3	101.0	107.6	114.2	127.0	139.6	152.0	164.0	175.9	187.4	198.7	209.7	231.0
1750	79.6	83.3	87.0	94.3	101.6	108.8	115.9	122.9	136.7	150.1	163.3	176.2	188.7	200.9	212.8	224.4	246.5
2000	88.7	92.9	97.0	105.2	113.3	121.3	129.1	136.9	152.1	166.9	181.3	195.3	208.9	222.0	234.7		
2400	102.7	107.5	112.3	121.7	131.0	140.2	149.1	158.0	175.2	191.9	207.9	223.3					
2800	115.9	121.3	126.7	137.2	147.6	157.7	167.7	177.5	196.3	214.3							
3200	128.3	134.2	140.1	151.7	163.0	174.0	184.7	195.2	215.3								
3600	139.8	146.3	152.6	165.0	177.1	188.8	200.2										
4000	150.6	157.5	164.2	177.3	190.0	202.2											

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

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SELECTION



HT200 Basic Horsepower Rating

14M-85		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	1.4	1.5	1.5	1.6	1.7	1.9	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.6	3.9	4.3
20	2.6	2.7	2.8	3.1	3.3	3.5	3.7	3.9	4.4	4.8	5.2	5.6	6.1	6.5	6.9	7.3	8.1
40	4.9	5.1	5.3	5.7	6.1	6.6	7.0	7.4	8.2	9.0	9.8	10.6	11.4	12.2	13.0	13.7	15.3
60	7.0	7.3	7.6	8.3	8.9	9.5	10.0	10.6	11.8	13.0	14.1	15.3	16.4	17.6	18.7	19.8	22.1
100	11.1	11.6	12.1	13.0	14.0	15.0	15.9	16.8	18.7	20.6	22.4	24.3	26.1	27.9	29.7	31.5	35.0
200	20.5	21.5	22.4	24.2	26.0	27.8	29.5	31.3	34.8	38.3	41.7	45.2	48.6	51.9	55.3	58.6	65.2
300	29.3	30.7	32.0	34.6	37.2	39.7	42.3	44.8	49.9	54.9	59.9	64.8	69.7	74.5	79.3	84.1	93.6
400	37.7	39.4	41.1	44.5	47.8	51.2	54.5	57.8	64.3	70.8	77.2	83.6	89.9	96.1	102.3	108.5	120.7
500	45.8	47.9	49.9	54.1	58.2	62.2	66.3	70.3	78.3	86.1	93.9	101.7	109.3	116.9	124.5	131.9	146.7
600	53.6	56.1	58.5	63.3	68.2	72.9	77.7	82.4	91.8	101.0	110.2	119.2	128.2	137.1	145.9	154.7	171.9
800	68.6	71.8	74.9	81.2	87.4	93.6	99.7	105.8	117.8	129.6	141.4	153.0	164.5	175.8	187.1	198.2	220.1
870	73.7	77.2	80.5	87.3	93.9	100.6	107.1	113.7	126.6	139.4	152.0	164.4	176.7	188.9	200.9	212.8	236.2
1000	83.0	86.9	90.7	98.3	105.8	113.3	120.7	128.1	142.7	157.0	171.2	185.2	199.0	212.6	226.1	239.3	265.4
1160	94.1	98.5	102.9	111.5	120.1	128.6	137.0	145.3	161.9	178.1	194.1	209.9	225.4	240.8	255.8	270.7	299.7
1200	96.9	101.4	105.8	114.7	123.6	132.3	141.0	149.6	166.6	183.3	199.7	215.9	231.9	247.6	263.1	278.3	308.0
1400	110.2	115.4	120.5	130.6	140.7	150.6	160.5	170.3	189.6	208.5	227.1	245.3	263.3	280.9	298.1	315.1	347.9
1600	123.2	129.0	134.7	146.0	157.2	168.4	179.4	190.3	211.7	232.7	253.3	273.4	293.1	312.4	331.2	349.6	385.0
1750	132.6	138.8	145.0	157.2	169.3	181.3	193.1	204.8	227.8	250.2	272.2	293.6	314.5	334.9	354.7	374.0	410.8
2000	147.9	154.9	161.7	175.3	188.8	202.1	215.2	228.1	253.5	278.2	302.2	325.6	348.2	370.1	391.2		
2400	171.2	179.2	187.2	202.9	218.4	233.6	248.6	263.3	292.1	319.8	346.5	372.1					
2800	193.2	202.2	211.1	228.7	246.0	262.9	279.5	295.8	327.2	357.2							
3200	213.8	223.7	233.5	252.8	271.6	290.0	307.9	325.4	358.8								
3600	233.1	243.8	254.4	275.1	295.2	314.7	333.7										
4000	251.0	262.4	273.6	295.5	316.7	337.1											

14M-115		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	1.9	2.0	2.1	2.3	2.4	2.6	2.8	2.9	3.2	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.0
20	3.7	3.8	4.0	4.3	4.6	4.9	5.2	5.5	6.1	6.7	7.3	7.9	8.5	9.1	9.6	10.2	11.4
40	6.8	7.1	7.4	8.0	8.6	9.2	9.8	10.3	11.5	12.6	13.7	14.8	15.9	17.0	18.1	19.2	21.4
60	9.9	10.3	10.7	11.5	12.4	13.2	14.1	14.9	16.5	18.2	19.8	21.4	23.0	24.6	26.2	27.8	30.9
100	15.5	16.2	16.9	18.3	19.6	20.9	22.3	23.6	26.2	28.8	31.4	34.0	36.5	39.1	41.6	44.1	49.0
200	28.8	30.0	31.3	33.8	36.4	38.9	41.3	43.8	48.7	53.6	58.4	63.2	68.0	72.7	77.4	82.1	91.3
300	41.1	42.9	44.7	48.4	52.0	55.6	59.2	62.8	69.9	76.9	83.8	90.7	97.5	104.3	111.1	117.8	131.0
400	52.8	55.2	57.6	62.3	67.0	71.7	76.3	80.9	90.1	99.1	108.1	117.0	125.8	134.6	143.2	151.8	168.9
500	64.1	67.0	69.9	75.7	81.4	87.1	92.8	98.4	109.6	120.6	131.5	142.3	153.1	163.7	174.2	184.7	205.4
600	75.1	78.5	81.9	88.7	95.4	102.1	108.8	115.4	128.5	141.4	154.2	166.9	179.5	192.0	204.3	216.5	240.7
800	96.1	100.5	104.9	113.7	122.4	131.0	139.5	148.1	164.9	181.5	197.9	214.2	230.3	246.2	261.9	277.4	308.1
870	103.2	108.0	112.7	122.2	131.5	140.8	150.0	159.1	177.3	195.1	212.8	230.2	247.4	264.5	281.3	298.0	330.7
1000	116.2	121.6	127.0	137.6	148.2	158.6	169.0	179.3	199.7	219.8	239.7	259.2	278.6	297.7	316.5	335.1	371.6
1160	131.8	137.9	144.0	156.1	168.1	180.0	191.8	203.5	226.6	249.3	271.8	293.8	315.6	337.1	358.1	379.0	419.6
1200	135.6	141.9	148.2	160.6	173.0	185.2	197.4	209.4	233.2	256.6	279.6	302.3	324.7	346.7	368.3	389.6	431.2
1400	154.3	161.5	168.7	182.9	197.0	210.9	224.7	238.4	265.4	291.9	317.9	343.5	368.6	393.2	417.4	441.1	487.1
1600	172.5	180.5	188.5	204.4	220.1	235.7	251.1	266.4	296.4	325.8	354.6	382.8	410.4	437.4	463.7	489.4	538.9
1750	185.7	194.4	203.0	220.1	237.0	253.8	270.3	286.7	318.9	350.3	381.0	411.0	440.3	468.8	496.6	523.5	575.1
2000	207.1	216.8	226.4	245.5	264.3	282.9	301.3	319.4	354.9	389.5	423.1	455.8	487.4	518.1	547.7		
2400	239.7	250.9	262.0	284.0	305.7	327.0	348.0	368.7	408.9	447.7	485.1	521.0					
2800	270.4	283.1	295.5	320.2	344.4	368.1	391.3	414.1	458.1	500.1							
3200	299.3	313.2	326.9	353.9	380.2	406.0	431.1	455.5	502.4								
3600	326.3	341.3	356.1	385.1	413.3	440.6	467.1										
4000	351.4	367.4	383.1	413.7	443.3	471.9											

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

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SELECTION

HT200 Basic Horsepower Rating

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

14M-170		Rated Horsepower for Small Sprocket (Number of Teeth and Pitch Diameter, Inches)															
RPM Small Shaft	28 4.91	29 5.09	30 5.26	32 5.61	34 5.97	36 6.32	38 6.67	40 7.02	44 7.72	48 8.42	52 9.12	56 9.82	60 10.53	64 11.23	68 11.93	72 12.63	80 14.04
10	3.0	3.1	3.2	3.5	3.7	3.9	4.2	4.4	4.9	5.4	5.9	6.4	6.8	7.3	7.8	8.2	9.2
20	5.6	5.8	6.0	6.5	7.0	7.4	7.9	8.4	9.3	10.2	11.1	12.0	12.9	13.8	14.6	15.5	17.3
40	10.4	10.8	11.3	12.2	13.1	13.9	14.8	15.7	17.4	19.1	20.8	22.5	24.2	25.9	27.6	29.2	32.5
60	15.0	15.6	16.3	17.6	18.8	20.1	21.4	22.6	25.1	27.6	30.1	32.6	35.0	37.4	39.8	42.2	47.0
100	23.6	24.7	25.7	27.8	29.8	31.8	33.8	35.9	39.8	43.8	47.7	51.6	55.5	59.4	63.2	67.0	74.5
200	43.7	45.6	47.6	51.4	55.3	59.1	62.8	66.6	74.1	81.5	88.8	96.1	103.4	110.5	117.7	124.8	138.8
300	62.4	65.2	68.0	73.6	79.1	84.6	90.0	95.4	106.2	116.8	127.4	137.9	148.3	158.6	168.8	179.0	199.1
400	80.3	83.9	87.5	94.7	101.8	108.9	116.0	123.0	136.9	150.6	164.3	177.8	191.2	204.5	217.7	230.8	256.8
500	97.4	101.9	106.3	115.0	123.8	132.4	141.0	149.6	166.5	183.3	199.9	216.3	232.7	248.8	264.8	280.8	312.2
600	114.1	119.3	124.5	134.8	145.0	155.2	165.3	175.4	195.3	214.9	234.4	253.7	272.8	291.8	310.5	329.1	365.9
800	146.1	152.8	159.5	172.8	186.0	199.1	212.1	225.0	250.6	275.9	300.9	325.6	350.0	374.2	398.0	421.7	468.3
870	156.9	164.2	171.4	185.7	199.9	214.0	228.0	241.9	269.4	296.6	323.4	349.9	376.1	402.0	427.6	452.9	502.7
1000	176.7	184.9	193.0	209.2	225.2	241.1	256.9	272.6	303.6	334.1	364.3	394.1	423.4	452.4	481.0	509.3	564.8
1160	200.3	209.7	218.9	237.3	255.5	273.6	291.5	309.3	344.4	379.0	413.1	446.7	479.7	512.3	544.4	576.0	637.8
1200	206.1	215.7	225.2	244.2	262.9	281.6	300.0	318.3	354.4	390.0	425.0	459.5	493.5	526.9	559.8	592.2	655.5
1400	234.6	245.5	256.4	278.0	299.4	320.6	341.6	362.4	403.4	443.6	483.2	522.1	560.2	597.7	634.4	670.4	740.4
1600	262.1	274.4	286.6	310.7	334.6	358.3	381.7	404.9	450.5	495.2	539.0	581.8	623.8	664.8	704.8	743.9	819.2
1750	282.2	295.5	308.6	334.6	360.3	385.8	410.9	435.8	484.7	532.5	579.2	624.8	669.3	712.6	754.8	795.8	874.2
2000	314.7	329.5	344.1	373.1	401.8	430.0	457.9	485.5	539.5	592.0	643.1	692.8	740.9	787.5	832.4		
2400	364.3	381.4	398.3	431.7	464.7	497.1	529.0	560.3	621.5	680.5	737.3	791.9					
2800	411.0	430.3	449.2	486.7	523.4	559.5	594.8	629.4	696.3	760.1							
3200	454.9	476.1	496.9	537.9	578.0	617.1	655.2	692.4	763.6								
3600	496.0	518.8	541.3	585.3	628.2	669.7	710.0										
4000	534.2	558.5	582.3	628.9	673.9	717.3											

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

SELECTION



HT100 Basic Horsepower Rating

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

5M-15		Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM Small Shaft	32 2.0	34 2.1	36 2.3	38 2.38	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.8	64 4.0	68 4.2	
10	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
40	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	
60	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	
100	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	
200	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.6	1.0	1.0	1.1	
300	0.6	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6	
400	0.8	0.9	1.0	1.0	1.1	1.3	1.3	1.4	1.5	1.5	1.7	1.8	1.9	2.1	
500	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.4	2.5	
600	1.2	1.3	1.4	1.5	1.6	1.8	1.8	2.0	2.1	2.2	2.4	2.6	2.8	3.0	
800	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.8	3.1	3.4	3.6	3.9	
1000	1.8	2.0	2.2	2.3	2.5	2.8	2.9	3.1	3.3	3.5	3.8	4.1	4.4	4.7	
1200	2.1	2.3	2.5	2.7	2.9	3.3	3.4	3.7	3.9	4.1	4.4	4.8	5.2	5.6	
1400	2.4	2.7	2.9	3.1	3.3	3.8	3.9	4.2	4.4	4.7	5.1	5.5	5.9	6.3	
1600	2.7	3.0	3.3	3.5	3.8	4.3	4.4	4.7	5.0	5.2	5.7	6.2	6.7	7.1	
1800	3.0	3.3	3.6	3.9	4.2	4.7	4.8	5.3	5.5	5.8	6.3	6.9	7.4	7.9	
2000	3.3	3.6	3.9	4.2	4.6	5.2	5.3	5.8	6.1	6.3	6.9	7.5	8.1	8.6	
2400	3.9	4.2	4.6	5.0	5.3	6.0	6.2	6.7	7.1	7.4	8.1	8.8	9.4	10.1	
2800	4.4	4.8	5.2	5.6	6.0	6.9	7.1	7.6	8.0	8.4	9.2	10.0	10.7	11.4	
3200	4.9	5.4	5.8	6.3	6.6	7.7	7.9	8.5	9.0	9.4	10.2	11.1	11.9	12.7	
3600	5.4	5.9	6.4	6.9	7.4	8.4	8.7	9.4	10.0	10.3	11.3	12.2	13.0	13.9	
4000	5.9	6.4	7.0	7.5	8.1	9.2	9.4	10.2	10.7	11.2	12.2	13.2	14.1	15.0	
5000	7.0	7.7	8.3	9.0	9.6	10.9	11.2	12.1	12.6	13.2	14.3	15.4	16.4	17.4	
6000	8.0	8.8	9.5	10.2	11.0	12.3	12.7	13.7	14.3	14.9	16.1	17.1	18.1		
8000	9.7	10.6	11.5	12.3	13.1	14.6	14.9	15.9	16.6						
10000	10.9	11.8	12.7	13.6	14.4										
12000	11.5														
14000															

5M-25	Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)													
RPM Small Shaft	32 2.0	34 2.1	36 2.3	38 2.38	40 2.5	44 2.8	45 2.8	48 3.0	50 3.1	52 3.3	56 3.5	60 3.8	64 4.0	68 4.2
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.22
40	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.42
60	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.62
100	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.98
200	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.85
300	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5	2.67
400	1.4	1.5	1.6	1.7	1.8	2.1	2.1	2.3	2.4	2.6	2.8	3.0	3.2	3.47
500	1.7	1.8	2.0	2.1	2.3	2.5	2.6	2.8	3.0	3.1	3.4	3.7	4.0	4.24
600	2.0	2.1	2.3	2.5	2.6	3.0	3.1	3.3	3.5	3.7	4.0	4.3	4.7	4.99
800	2.5	2.7	3.0	3.2	3.4	3.9	4.0	4.3	4.5	4.7	5.2	5.6	6.0	6.46
1000	3.0	3.3	3.6	3.9	4.2	4.7	4.8	5.2	5.5	5.8	6.3	6.8	7.35	7.87
1200	3.6	3.9	4.2	4.6	4.9	5.5	5.7	6.2	6.5	6.8	7.4	8.0	8.64	9.25
1400	4.1	4.5	4.8	5.2	5.6	6.3	6.5	7.0	7.4	7.8	8.48	9.2	9.89	10.6
1600	4.6	5.0	5.4	5.8	6.3	7.9	7.3	7.9	8.3	8.7	9.5	10.3	11.1	11.9
1800	5.1	5.5	6.0	6.5	6.9	7.8	8.1	8.8	9.2	10.0	10.5	11.4	12.3	13.2
2000	5.5	6.0	6.6	7.1	7.6	8.6	8.8	9.6	10.	10.6	11.5	12.5	13.5	14.4
2400	6.4	7.0	7.7	8.3	8.9	10.0	10.3	11.2	11.8	12.3	13.5	14.6	15.7	16.8
2800	7.3	8.0	8.7	9.4	10.1	11.4	11.8	12.7	13.4	14.0	15.3	16.6	17.8	19.0
3200	8.2	9.0	9.7	10.5	11.3	12.8	13.1	14.2	14.9	15.7	17.1	18.5	19.8	21.2
3600	9.0	10.0	10.7	11.6	12.4	14.0	14.4	15.6	16.4	17.2	18.8	20.3	21.7	23.1
4000	10.0	10.7	11.7	12.6	13.5	15.3	15.7	17.0	17.9	18.7	20.3	21.9	23.5	25.0
5000	11.6	12.8	13.9	15.0	16.0	18.1	18.6	20.1	21.1	22.0	23.9	25.7	27.3	28.9
6000	13.3	14.6	15.9	17.1	18.3	20.6	21.1	22.8	23.8	24.8	26.8	28.6	30.2	
8000	16.1	17.6	19.1	20.5	21.8	24.3	24.9	26.6	27.6					
10000	18.2	19.7	21.2	22.6	23.9									
12000	19.2													
14000														

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

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SELECTION

HT100 Basic Horsepower Rating

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

8M-20		HT100 Horsepower Rating-20MM Wide Belt (.79 in.)															
RPM	Small Shaft	No. Teeth															
		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	0.1	0.06	0.06	0.07	0.1	0.1	0.1	0.1	0.1	0.1	0.2
20		0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3
40		0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6
60		0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.9
100		0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.1	1.2	1.4	1.5
200		0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.7	1.8	2.1	2.3	2.6	2.8
300		0.7	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.0	3.4	3.7	4.1
400		0.9	1.0	1.1	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.4	3.8	4.3	4.8	5.3
500		1.1	1.2	1.4	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.7	5.3	5.9	6.4
600		1.3	1.4	1.6	1.9	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.8	5.5	6.2	6.9	7.6
700		1.5	1.7	1.9	2.2	2.6	3.0	3.4	3.9	4.3	4.7	5.1	5.5	6.3	7.1	7.9	8.6
800		1.8	1.9	2.1	2.5	2.9	3.4	3.8	4.4	4.9	5.9	5.8	6.2	7.1	8.0	8.9	9.7
870		1.9	2.8	2.3	2.7	3.1	3.6	4.1	4.7	5.3	5.7	6.2	6.7	7.7	8.6	9.5	10.4
1000		2.2	2.4	2.6	3.0	3.5	4.1	4.7	5.3	6.0	6.4	7.0	7.6	8.6	9.7	10.7	11.7
1160		2.5	2.8	3.0	3.5	4.0	4.7	5.3	6.0	6.8	7.3	8.0	8.6	9.8	11.0	12.2	13.3
1200		2.6	2.9	3.1	3.6	4.2	4.8	5.5	6.2	7.0	7.6	8.2	8.9	10.1	11.3	12.5	13.6
1400		3.1	3.3	3.6	4.1	4.8	5.5	6.3	7.1	8.6	8.6	9.4	10.1	11.5	12.9	14.2	15.5
1600		3.5	3.8	4.1	4.6	5.4	6.2	7.1	8.0	9.0	9.7	10.5	11.3	12.9	14.4	15.8	17.2
1750		3.8	4.2	4.5	5.0	5.8	6.7	7.6	8.6	9.7	10.5	11.4	12.2	13.9	15.5	17.0	18.4
2000		4.3	4.7	5.1	5.6	6.5	7.5	8.6	9.7	10.9	11.7	12.7	13.6	15.5	17.2	18.8	20.2
2400		5.2	5.7	6.1	7.0	7.6	8.7	10.0	11.3	12.7	13.6	14.8	15.8	17.8	19.7	21.3	22.8
2800		6.0	6.6	7.1	7.8	8.6	9.9	11.3	12.8	14.4	15.5	16.7	17.8	19.9	21.8	23.4	24.8
3200				8.0	8.8	9.6	11.1	12.6	14.2	16.0	17.2	18.5	19.7	21.8	23.7	25.1	
3500						10.4	11.9	13.5	15.3	17.1	18.4	19.7	20.9	23.1	24.8		
4000							13.1	14.9	16.9	18.9	20.2	21.6	22.8	24.8			
4500								16.2	18.3	20.4	21.9	23.2	24.3				
5000								19.6	21.9	23.3	24.6	25.5					
5500									23.05	24.6	25.6						
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 Small Sprocket		No. Teeth															
		22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10		0.03	0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
20		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5
40		0.1	0.12	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.9	1.0
60		0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.3	1.4
100		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.7	2.0	2.2	2.4
200		0.7	0.8	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.3	3.7	4.1	4.5
300		1.0	1.1	1.4	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.7	5.3	5.9	6.5
400		1.4	1.5	1.8	2.1	2.5	2.8	3.3	3.7	4.2	4.5	4.9	5.3	6.1	6.8	7.6	8.3
500		1.7	1.9	2.3	2.6	3.0	3.5	4.0	4.5	5.1	5.5	6.0	6.5	7.4	8.3	9.3	10.2
600		2.1	2.3	2.6	3.0	3.5	4.1	4.7	5.3	6.0	6.5	7.0	7.6	8.7	9.8	10.9	11.9
700		2.4	2.6	2.9	3.5	4.1	4.7	5.4	6.1	6.8	7.4	8.1	8.7	10.0	11.2	12.4	13.6
800		2.8	3.0	3.3	3.9	4.6	5.3	6.1	6.9	7.7	8.3	9.1	9.78	11.2	12.6	14.0	15.3
870		3.0	3.3	3.6	4.2	4.9	5.7	6.5	7.4	8.3	9.0	9.8	10.5	12.1	13.6	15.0	16.4
1000		3.4	3.8	4.1	4.8	5.6	6.5	7.4	8.4	9.4	10.2	11.0	11.9	13.6	15.3	16.9	18.5
1160		4.0	4.4	4.7	5.5	6.4	7.4	8.4	9.5	10.7	11.6	12.6	13.6	15.5	17.4	19.2	21.0
1200		4.1	4.5	4.9	5.6	6.6	7.6	8.7	9.8	11.0	11.9	12.9	14.0	16.0	17.9	19.7	21.6
1400		4.8	5.3	5.7	6.4	7.5	8.7	9.9	11.2	12.6	13.6	14.8	16.0	18.2	20.4	22.4	24.4
1600		5.5	6.0	6.5	7.2	8.5	9.8	11.1	12.6	14.2	15.3	16.6	18.0	20.4	22.7	25.0	27.1
1750		6.0	6.5	7.1	7.8	9.1	10.5	12.0	13.6	15.3	16.5	17.9	19.3	21.9	24.4	26.8	29.1
2000		6.9	7.5	8.1	8.9	10.3	11.8	13.5	15.3	17.2	18.5	20.0	21.6	24.4	27.1	29.7	32.0
2400		8.2	8.9	9.6	10.6	12.0	13.8	15.8	17.8	20.0	21.6	23.3	25.0	28.2	31.1	33.8	36.2
2800		9.5	10.4	11.2	12.2	13.6	15.7	17.9	20.2	22.7	24.4	26.3	28.12	31.6	34.6	37.2	39.4
3200				12.7	13.9	15.2	17.5	19.9	22.5	25.2	27.1	29.2	31.1	34.6	37.6	39.9	
3500						16.4	18.8	21.4	24.1	27.0	29.1	31.2	33.1	36.6	39.4		
4000							20.8	23.6	26.7	29.9	32.0	34.2	36.2	39.4			
4500								25.7	29.0	32.4	34.7	36.8	38.7				
5000									31.1	34.7	37.0	39.1	40.7				
5500										36.6	39.1	40.8					
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.

SELECTION



HT100 Basic Horsepower Rating

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

HT100 Horsepower Rating—50MM Wide Belt (1.97 in.)													
8M-50 RPM Small Sprocket	No. Teeth												
	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.1	0.1	0.1	0.16	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4
20	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8
40	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.2	1.3	1.5	1.7
60	0.6	0.7	0.8	0.9	1.0	1.2	1.2	1.4	1.5	1.7	2.0	2.2	2.5
100	1.0	1.2	1.3	1.5	1.7	2.0	2.1	2.3	2.5	2.9	3.3	3.7	4.1
200	1.9	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.9	5.6	6.4	7.1	7.8
300	2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.5	7.1	8.1	9.2	10.2	11.2
400	3.6	4.3	4.9	5.6	6.4	7.2	7.8	8.5	9.2	10.5	11.8	13.1	14.4
500	4.5	5.2	6.0	6.9	7.8	8.8	9.5	10.3	11.2	12.8	14.4	16.0	17.6
600	5.3	7.1	7.1	8.1	9.2	10.3	11.2	12.2	13.1	15.1	17.0	18.8	20.6
700	6.0	7.0	8.1	9.3	10.5	11.9	12.8	14.0	15.1	17.3	19.4	21.5	23.6
800	6.8	7.9	9.2	10.5	11.9	13.4	14.4	15.7	17.0	19.4	21.8	24.2	26.5
870	7.3	8.6	10.0	11.3	12.8	14.4	15.5	16.9	18.3	20.9	23.5	26.0	28.5
1000	8.3	9.7	11.2	12.8	14.5	16.3	17.6	19.1	20.6	23.6	26.5	29.3	32.1
1160	9.4	11.0	12.8	14.6	16.5	18.5	20.0	21.8	23.5	26.8	30.1	33.3	36.3
1200	9.7	11.4	13.1	15.0	17.0	19.1	20.6	22.4	24.2	27.6	31.0	34.2	37.4
1400	11.1	13.0	15.0	17.2	19.5	21.9	23.6	25.6	27.6	31.5	35.3	38.9	42.4
1600	12.5	14.6	16.9	19.3	21.9	24.5	26.5	28.8	31.0	35.3	39.4	43.3	47.1
1750	13.5	15.8	18.3	20.9	23.6	26.5	28.6	31.0	33.4	38.0	42.4	46.5	50.4
2000	15.3	17.8	20.5	23.4	26.5	29.7	32.7	34.7	37.4	42.4	47.1	51.5	55.6
2400	18.3	20.7	23.9	27.3	30.9	34.6	37.4	40.4	43.3	48.9	54.0	58.7	62.9
2800	21.2	23.6	27.2	31.0	35.1	39.3	42.4	45.7	48.9	54.8	60.1	64.8	68.7
3200	24.1	26.3	30.3	34.5	39.0	43.8	47.1	50.7	54.0	60.2	65.4	69.7	
3500		28.4	32.5	37.1	41.9	46.9	50.4	54.1	57.6	63.7	68.6		
4000			36.0	41.0	46.3	51.8	55.6	59.4	62.9	68.7			
4500				44.7	50.4	56.3	60.3	64.1	67.4				
5000					54.0	60.3	64.5	68.0	71.0				
5500						63.8	68.0	71.3					
PD: MM	71.3	76.4	81.5	86.6	91.7	96.8	101.9	112	122.2	142.6	163	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

HT100 Horsepower Rating—85MM Wide Belt (3.35 in.)										
8M-85 RPM Small Sprocket	No. Teeth									
	34	36	38	40	44	48	56	64	72	80
10	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.7	0.7
20	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.3	1.4
40	1.1	1.2	1.4	1.4	1.6	1.7	2.0	2.3	2.6	2.9
60	1.6	1.8	2.1	2.2	2.4	2.6	3.0	3.5	3.9	4.3
100	2.6	3.0	3.4	3.6	4.0	4.3	5.4	5.8	6.5	7.2
200	5.2	5.9	6.7	7.2	7.9	8.5	9.8	11.1	12.3	13.5
300	7.6	8.6	9.6	10.4	11.4	12.3	14.1	15.9	17.7	19.4
400	9.8	11.1	12.5	13.5	14.7	15.9	18.3	20.6	22.9	25.1
500	12.0	13.6	15.3	16.5	18.0	19.4	22.3	25.1	27.9	30.6
600	14.1	16.0	18.0	19.4	21.2	22.9	26.2	29.5	32.7	35.9
700	16.12	18.3	20.6	22.3	24.3	26.2	30.0	33.8	37.5	41.0
800	18.2	20.7	23.2	25.1	27.3	29.5	33.8	38.0	42.1	46.1
870	19.7	22.3	25.0	27.0	29.4	31.8	36.4	40.9	45.3	49.5
1000	22.2	25.2	28.3	30.6	33.3	35.9	41.1	46.1	51.0	55.8
1160	25.3	28.7	32.3	34.8	37.9	40.9	46.7	52.4	57.9	63.2
1200	26.1	29.6	33.2	35.9	39.0	42.1	48.1	53.9	59.5	65.0
1400	29.9	33.8	38.0	41.1	44.6	48.1	54.8	61.4	67.7	73.7
1600	33.6	38.0	42.7	46.1	50.0	53.9	61.4	68.6	75.4	82.0
1750	36.3	41.1	46.1	49.8	54.0	58.1	66.1	73.7	81.0	87.8
2000	40.7	46.1	51.7	55.8	60.5	65.0	73.7	82.0	89.7	96.9
2400	47.5	53.7	60.3	65.0	70.3	75.4	85.1	94.1	102.3	109.7
2800	54.0	61.0	68.5	73.7	79.6	85.1	95.5	104.8	113.0	120.0
3200	60.1	68.0	76.2	82.0	88.2	94.1	104.8	114.1	121.6	
3500	64.6	72.9	81.7	87.8	94.3	100.3	111.1	119.9		
4000	71.5	80.7	90.3	96.9	103.6	109.7	119.9			
4500	77.8	87.8	98.1	105.2	111.8	117.6				
5000		94.2	105.2	112.5	118.8	124.0				
5500			111.3	118.8	124.5					
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.

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SELECTION

HT100 Basic Horsepower Rating

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

14M-40	HT100 Horsepower Rating-40MM Wide Belt (1.57 in.)																	
	No. Teeth																	
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80	
10	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	
20	0.5	0.5	0.5	0.6	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	
40	1.0	1.0	1.0	1.2		1.4	1.7	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.2	
60	1.5	1.5	1.6	1.7	1.8	2.2	2.5	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.3	
100	2.4	2.5	2.6	2.8	3.1	3.6	4.2	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.4	
200	4.9	5.0	5.2	5.2	6.1	7.2	8.4	9.8	10.8	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.9	
300	6.7	7.0	7.4	7.3	9.2	10.8	12.2	13.2	14.4	17.1	19.5	21.0	22.5	24.0	25.5	27.0	30.5	
400	8.2	8.7	9.2	9.3	11.4	14.4	14.0	16.1	17.5	20.6	25.9	25.8	28.6	29.7	31.3	32.9	36.1	
500	9.6	10.2	10.9	11.1	13.5	16.9	17.5	18.8	20.4	23.7	29.4	29.5	32.5	33.7	35.3	37.1	40.7	
600	10.9	11.7	12.5	12.9	15.5	19.2	19.8	21.3	23.0	26.4	32.5	32.8	35.8	37.0	38.8	40.8	44.6	
700	12.1	13.1	14.0	14.5	17.4	21.2	21.9	23.5	25.3	28.9	35.2	35.6	38.7	39.9	41.8	43.8	47.8	
800	13.3	14.2	15.4	16.1	19.1	23.2	23.98	25.6	27.5	31.2	37.6	38.2	41.2	42.4	44.4	46.4	50.5	
870	14.1	15.2	16.4	17.2	20.3	24.4	25.3	27.0	29.0	32.7	39.1	39.8	42.7	43.9	45.9	48.0	52.1	
1000	15.5	16.8	18.1	19.1	22.2	26.6	27.6	29.4	31.4	35.1	41.5	42.4	45.2	46.3	48.3	50.3	54.3	
1160	17.1	18.6	20.0	21.4	24.7	29.1	30.2	32.1	34.2	37.8	44.0	45.0	47.6	48.6	50.4	52.3	56.0	
1200	17.5	19.0	20.5	21.9	25.3	29.7	31.0	32.7	34.8	38.4	44.5	45.6	48.1	49.0	50.8	52.7	56.3	
1400	19.4	21.1	22.7	24.5	27.9	32.5	33.6	35.6	47.7	41.1	46.8	47.9	50.0	50.5	52.0	53.7	56.4	
1600	21.2	23.0	24.8	26.8	30.3	34.6	36.0	38.0	40.0	43.2	48.3	49.4	50.8	51.0	52.0	53.2	54.7	
1750	22.5	24.4	26.2	28.5	31.9	36.2	37.6	39.6	41.5	44.4	48.9	49.9	50.9	50.6	51.2	51.9		
2000	24.5	26.5	28.4	30.9	34.3	38.3	39.8	41.8	43.4	45.8	49.2	49.8	49.8	48.6	48.3			
2400	27.8	29.5	31.4	34.2	37.2	40.9	42.3	44.0	45.0	46.2	47.6	46.9						
2800		32.2	33.8	36.6	39.2	42.0	43.3	44.7	44.8	44.4								
*3200				38.0	40.0	42.0	43.0	43.9										
*3500					40.0	41.3	41.9											
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.)																
	No. Teeth																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
RPM Small Sprocket																	
10	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.5
20	0.7	0.7	0.8	0.8	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	3.0
40	1.4	1.5	1.5	1.6	1.8	2.1	2.4	2.9	3.2	3.5	3.8	4.0	4.3	4.6	4.9	5.2	6.0
60	2.1	2.2	2.3	2.4	2.6	3.1	3.6	4.3	4.8	5.2	5.6	6.1	6.5	6.9	7.4	7.8	9.0
100	3.5	3.6	3.8	4.0	4.4	5.2	6.1	7.2	7.9	8.7	9.4	10.1	10.8	11.5	12.3	13.0	15.0
200	7.0	7.3	7.5	7.5	8.8	10.4	12.1	14.1	15.5	17.3	18.7	20.2	21.6	23.0	24.5	25.9	30.0
300	9.6	10.1	10.6	10.5	13.2	15.6	17.5	18.9	20.7	24.6	28.1	30.2	32.4	34.5	36.7	38.8	44.0
400	11.8	12.5	13.3	13.3	16.5	20.7	21.5	23.2	25.2	29.6	37.3	37.2	41.2	42.8	45.0	47.3	51.9
500	13.8	14.7	15.7	16.0	19.5	24.3	25.2	27.1	29.3	34.1	42.4	42.5	46.8	48.5	50.9	53.4	58.6
600	15.7	16.8	18.0	18.5	22.3	27.6	28.5	30.6	33.0	38.0	46.8	47.2	51.5	53.3	55.9	58.6	64.1
700	17.5	18.8	20.1	20.9	25.0	30.5	31.6	33.9	36.5	41.6	50.6	51.3	55.7	57.5	60.2	63.1	68.8
800	19.1	20.7	22.2	23.2	27.5	33.3	34.5	36.9	39.6	44.9	54.1	54.9	59.3	61.0	63.8	66.8	72.7
870	20.2	21.9	23.6	24.8	29.2	35.1	36.4	38.9	41.7	47.0	56.2	57.2	61.5	63.2	66.0	69.0	74.9
1000	22.3	24.1	26.0	27.5	32.2	38.3	39.7	42.3	45.2	50.6	59.7	61.0	65.1	66.7	69.5	72.4	78.2
1160	24.6	26.7	28.8	30.8	35.6	41.8	43.5	46.2	49.2	54.4	63.3	64.8	68.5	69.9	72.5	75.4	80.7
1200	25.2	27.4	29.5	31.5	36.4	42.7	44.3	47.1	50.1	55.3	64.1	65.6	69.2	70.5	73.1	75.9	81.0
1400	27.9	30.3	32.7	35.2	40.2	46.5	48.3	51.2	54.2	59.1	67.3	69.0	71.9	72.7	74.9	77.2	81.2
1600	30.5	33.1	35.7	38.6	43.6	49.9	51.8	54.7	57.6	62.1	69.5	71.0	73.2	73.3	74.9	76.5	78.8
1750	32.3	35.1	37.8	41.0	45.9	52.0	54.1	57.0	59.7	63.9	70.4	71.8	73.2	72.8	73.7	74.6	
2000	35.3	38.1	40.9	44.5	49.3	55.1	57.3	60.2	62.5	65.9	70.8	71.6	71.6	70.0	69.6		
2400	34.0	42.4	45.2	49.2	53.6	58.7	60.8	63.4	64.8	66.5	68.4	67.5					
2800		46.3	48.6	52.6	56.3	60.4	62.4	64.4	64.4	63.9							
*3200				54.7	57.6	60.5	61.9	63.1									
*3500					57.5	59.4	60.3										
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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HT100 Basic Horsepower Rating

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

14M-85		HT100 Horsepower Rating—85MM Wide Belt (3.35 in.)															
RPM Small Sprocket		No. Teeth															
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	80
10		0.6	0.6	0.6	0.7	0.7	0.9	1.0	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.5
20		1.2	1.2	1.2	1.3	1.5	1.7	2.0	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4.0	5.0
40		2.3	2.4	2.5	2.6	2.9	3.4	4.0	4.7	5.2	5.7	6.2	6.6	7.1	7.6	8.1	9.9
60		3.5	3.6	3.7	4.0	4.3	5.1	6.0	7.1	7.8	8.5	9.2	10.0	10.7	11.4	12.1	14.8
100		5.8	6.0	6.2	6.6	7.2	8.5	10.0	11.9	13.0	14.2	15.4	16.6	17.8	19.0	20.1	24.7
200		11.5	11.9	12.3	12.3	14.5	17.1	19.9	23.2	25.4	28.4	30.8	33.2	35.5	37.9	40.2	49.4
300		15.8	16.6	17.5	17.3	21.7	25.6	28.8	31.2	34.0	40.4	46.2	49.7	53.2	56.8	60.3	72.3
400		19.4	20.6	21.8	21.9	27.1	34.1	35.4	38.2	41.5	48.7	61.3	61.1	67.8	70.4	74.0	85.4
500		22.7	24.2	25.8	26.3	32.1	40.0	41.4	44.5	48.2	56.0	69.7	69.9	76.9	79.7	83.7	96.3
600		25.8	27.7	29.6	30.4	36.7	45.3	46.9	50.3	54.3	62.6	76.9	77.6	84.8	87.7	91.9	105.5
700		28.7	30.9	33.1	34.4	41.1	50.2	52.0	55.7	60.0	68.5	83.3	84.3	91.6	94.5	99.0	113.2
800		31.4	34.0	36.5	38.1	45.3	54.8	56.8	60.7	65.1	73.8	88.9	90.3	97.5	100.4	105.0	119.5
870		33.3	36.0	38.8	40.7	48.0	57.8	59.9	64.0	68.5	77.3	92.4	94.1	101.2	104.0	108.6	123.2
1000		36.6	39.7	42.8	45.3	52.9	63.0	65.3	70.0	74.4	83.2	98.2	100.	107.0	109.7	114.2	128.6
1160		40.5	44.0	47.4	50.6	58.5	68.8	71.5	76.0	80.8	89.5	104.1	107.0	112.7	114.9	119.3	132.6
1200		41.4	45.0	48.5	51.9	59.9	70.2	72.9	77.5	82.3	90.9	105.4	108.0	113.9	116.0	120.2	133.2
1400		45.9	49.9	53.8	57.9	66.1	76.5	79.5	84.2	89.1	97.2	110.7	113.	118.2	119.6	123.2	133.5
1600		50.1	54.4	58.7	63.5	71.7	82.0	85.2	90.0	94.7	102.	114.2	117.0	120.3	120.6	123.2	129.5
1750		53.2	57.7	62.1	67.4	75.6	85.6	89.0	93.8	98.3	105.1	115.8	118.	120.4	119.7	121.2	122.8
*2000		58.1	62.6	67.3	73.2	81.2	90.7	94.2	98.9	103.0	108.3	116.5	118.0	117.8	115.1	114.4	
*2400		65.7	69.7	74.3	81.0	88.1	96.5	100.0	104.2	107.0	109.3	112.5	111.0				
*2800			76.1	79.9	86.6	92.7	99.4	103.0	105.9	106.0	105.1						
*3200					90.0	94.7	99.4	101.8	103.9								
*3500						94.6	97.7	99.2									
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	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	14.04

14M-115		HT100 Horsepower Rating—115MM Wide Belt (4.53 in.)															
RPM Small Sprocket		No. Teeth															
		28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	80
10		0.8	0.8	0.9	0.9	1.0	1.2	1.4	1.7	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.5
20		1.6	1.7	1.7	1.9	2.0	2.4	2.8	3.4	3.7	4.0	4.4	4.7	5.0	5.4	5.7	7.0
40		3.3	3.4	3.5	3.7	4.1	4.8	5.6	6.7	7.4	8.0	8.7	9.4	10.1	10.7	11.4	14.0
60		4.9	5.1	5.2	5.6	6.1	7.2	8.4	10.1	11.1	12.1	13.1	14.1	15.1	16.1	17.1	21.0
100		8.1	8.4	8.7	9.3	10.2	12.1	14.1	16.7	18.4	20.1	21.8	23.4	25.1	26.8	28.5	34.9
200		16.3	16.9	17.4	17.4	20.4	24.1	28.1	32.8	35.9	40.2	43.5	46.9	50.2	53.5	56.9	69.8
300		22.3	23.5	24.7	24.4	30.6	36.2	40.7	44.0	48.0	57.1	65.2	70.2	75.2	80.2	85.1	102.1
400		27.4	29.1	30.8	31.0	38.3	48.2	50.0	53.9	58.6	68.8	86.7	86.4	95.8	99.5	104.5	120.6
500		32.1	34.2	36.5	37.1	45.3	56.6	58.5	62.9	68.1	79.2	98.4	98.7	108.6	112.6	118.2	136.1
600		36.4	39.1	41.8	43.0	51.9	64.0	66.3	71.1	76.8	88.4	108.7	109.6	119.7	123.8	129.8	149.0
700		40.5	43.6	46.8	48.5	58.1	70.9	73.5	78.7	84.7	96.7	117.6	119.1	129.4	133.5	139.8	159.9
800		44.4	48.0	51.5	53.9	64.0	77.4	80.2	85.8	92.0	104.3	125.6	127.6	137.7	141.8	148.3	168.8
870		47.0	50.9	54.7	57.5	67.9	81.6	84.6	90.4	96.8	109.2	130.6	133.0	142.9	146.9	153.4	174.1
1000		51.7	56.1	60.4	64.0	74.8	89.0	92.3	98.4	105.1	117.5	138.8	141.7	151.2	154.9	161.4	181.7
1160		57.12	62.1	67.0	71.5	82.7	97.2	101.0	107.3	114.2	126.4	147.1	150.6	159.2	162.4	168.5	187.4
1200		58.5	63.6	68.6	73.3	84.6	99.1	103.0	109.4	116.3	128.4	148.9	152.5	160.8	163.9	169.8	188.2
*1400		64.8	70.5	76.1	81.8	93.4	108.1	112.3	119.0	125.8	137.3	156.4	160.2	167.0	168.9	174.0	188.7
*1600		70.8	76.9	82.9	89.7	101.4	115.8	120.4	127.2	133.8	144.4	161.4	165.1	170.0	170.4	174.0	183.0
*1750		75.2	81.4	87.7	95.2	106.7	120.9	125.7	132.5	138.8	148.4	163.7	166.9	170.1	169.1	171.3	173.4
*2000		82.1	88.5	95.0	104.0	114.6	128.1	133.1	139.8	145.2	153.0	164.6	166.4	166.4	162.6	161.6	
*2400		92.9	98.5	105.0	114.4	124.5	136.3	141.3	147.3	150.6	154.4	159.0	150.7				
*2800			107.6	113.0	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	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	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 from Ratio/Center Distance Tables

14M-170 HT100 Horsepower Rating-170MM Wide Belt (6.69 in.)												
RPM Small Sprocket	No. Teeth											
	36	38	40	44	48	52	56	60	64	68	72	80
10	1.9	2.2	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.5	4.7	5.5
20	3.8	4.4	5.2	5.8	6.3	6.8	7.3	7.9	8.4	8.9	9.4	11.0
40	7.5	8.8	10.5	11.5	12.6	13.6	14.7	15.7	16.8	17.8	18.9	21.8
60	11.3	13.2	15.7	17.3	18.9	20.4	22.0	23.6	25.1	26.7	28.3	32.8
100	18.9	22.0	26.2	28.8	31.4	34.0	36.6	39.3	41.9	44.5	47.1	54.6
200	37.7	43.9	51.2	56.2	62.8	68.0	73.2	78.5	83.7	88.9	94.1	109.1
300	56.5	63.6	68.8	75.1	89.3	101.9	109.7	117.5	125.3	133.1	140.9	159.6
400	75.3	78.2	84.3	91.6	107.6	135.5	135.0	149.7	155.5	163.4	171.8	188.6
500	88.4	91.4	98.3	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 HT100 Horsepower Rating-115MM Wide Belt (4.53 in.)														
RPM Small Sprocket	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	357.2								
PD: MM	216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Inches	8.522	9.023	9.524	10.026	11.028	12.031	13.033	14.036	15.038	16.041	17.043	18.046	20.051	22.557

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

* Refer to page PT11-20 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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HT100 Basic Horsepower Rating

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

HT100 Horsepower Rating-170MM Wide Belt (6.69 in.)														
20M-170	No. Teeth													
RPM Small Sprocket	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

HT100 Horsepower Rating-230MM Wide Belt (9.06 in.)												
20M-230	No. Teeth											
RPM Small Sprocket	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

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

* Refer to page PT11-20 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

HT100 Basic Horsepower Rating

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

HT100 Horsepower Rating—290MM Wide Belt (11.42 in.)								
20M-290	No. Teeth							
RPM Small Sprocket	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

HT100 Horsepower Rating—340MM Wide Belt (13.39 in.)								
20M-340	No. Teeth							
RPM Small Sprocket	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

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

* Refer to page PT11-20 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 Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																						
	Driver		Driven		300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M	
	No. of Teeth	Pitch Dia. In.	No. of Teeth	Pitch Dia. In.																							
Length Factor*					0.77	0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.98	1.00	1.01	1.03	1.06	1.09	1.13	1.16	1.19	1.22	1.24	1.29	
1.39	52	3.258	72	4.511	...	...	...	...	...	...	...	4.38	4.98	5.67	6.66	7.65	8.64	9.63	11.60	13.57	16.53	19.48	22.43	25.39	27.75	35.23	
1.40	40	2.506	56	3.509	...	...	...	...	3.61	4.11	5.09	5.78	6.38	7.07	8.06	9.04	10.03	11.01	12.98	14.95	17.91	20.86	23.82	26.77	29.13	36.61	
1.41	64	4.010	90	5.639	...	...	...	...	...	...	...	...	...	...	...	5.15	6.15	7.14	8.13	10.10	12.08	15.04	17.99	20.95	23.90	26.27	33.75
1.41	34	2.130	48	3.008	...	2.92	3.32	3.81	4.31	4.80	5.79	6.48	7.07	7.76	8.75	9.73	10.72	11.71	13.67	15.64	18.60	21.55	24.51	27.46	29.82	37.30	
1.42	48	3.008	68	4.261	...	...	...	...	...	...	4.08	4.78	5.37	6.07	7.06	8.05	9.03	10.02	11.99	13.96	16.92	19.87	22.83	25.78	28.14	35.63	
1.43	56	3.509	80	5.013	...	...	...	...	...	...	...	...	...	5.06	6.06	7.05	8.04	9.03	11.00	12.97	15.93	18.88	21.84	24.79	27.16	34.64	
1.44	36	2.256	52	3.258	...	...	...	3.51	4.00	4.50	5.49	6.18	6.77	7.46	8.45	9.44	10.42	11.41	13.37	15.35	18.30	21.25	24.21	27.16	29.53	37.01	
1.46	44	2.757	64	4.010	...	...	...	...	...	...	4.48	5.18	5.77	6.46	7.45	8.44	9.43	10.42	12.38	14.36	17.31	20.27	23.22	26.17	28.54	36.02	
1.47	38	2.381	56	3.509	...	...	...	...	3.70	4.20	5.18	5.88	6.47	7.16	8.15	9.14	10.12	11.11	13.08	15.05	18.01	20.96	23.91	26.86	29.23	36.71	
1.50	32	2.005	48	3.008	...	3.01	3.41	3.91	4.40	4.90	5.88	6.57	7.17	7.86	8.84	9.83	10.82	11.80	13.77	15.74	18.70	21.65	24.60	27.55	29.92	37.40	
1.50	40	2.506	60	3.760	...	...	...	...	...	3.89	4.88	5.57	6.17	6.86	7.85	8.84	9.82	10.81	12.78	14.75	17.71	20.66	23.62	26.57	28.93	36.41	
1.50	48	3.008	72	4.511	...	...	...	...	...	...	...	4.56	5.16	5.86	6.85	7.84	8.83	9.82	11.79	13.76	16.72	19.67	22.63	25.58	27.94	35.43	
1.50	60	3.760	90	5.639	...	...	...	...	...	...	...	...	...	...	5.33	6.33	7.32	8.31	10.29	12.27	15.23	18.18	21.14	24.09	26.46	33.95	
1.53	34	2.130	52	3.258	...	...	3.10	3.60	4.09	4.59	5.58	6.27	6.87	7.56	8.54	9.53	10.52	11.50	13.47	15.44	18.40	21.35	24.31	27.26	29.62	37.10	
1.54	52	3.258	80	5.013	...	...	...	...	...	...	...	...	4.54	5.24	6.24	7.23	8.22	9.21	11.18	13.16	16.12	19.07	22.03	24.98	27.35	34.83	
1.55	44	2.757	68	4.261	...	...	...	...	...	...	4.26	4.96	5.56	6.25	7.24	8.23	9.22	10.21	12.18	14.15	17.11	20.06	23.02	25.97	28.34	35.82	
1.56	36	2.256	56	3.509	...	...	...	3.29	3.79	4.29	5.27	5.97	6.56	7.26	8.24	9.23	10.22	11.20	13.17	15.14	18.10	21.05	24.01	26.96	29.33	36.81	
1.58	38	2.381	60	3.760	...	...	...	...	3.47	3.98	4.97	5.66	6.26	6.95	7.94	8.93	9.92	10.91	12.87	14.85	17.80	20.76	23.71	26.66	29.03	36.51	
1.60	40	2.506	64	4.010	...	...	...	...	...	3.66	4.66	5.36	5.95	6.65	7.64	8.63	9.62	10.61	12.57	14.55	17.51	20.46	23.42	26.37	28.73	36.21	
1.61	56	3.509	90	5.639	...	...	...	...	...	...	...	...	...	...	5.51	6.51	7.50	8.50	10.48	12.45	15.42	18.37	21.33	24.29	26.65	34.14	
1.63	32	2.005	52	3.258	...	...	3.18	3.69	4.18	4.68	5.67	6.37	6.96	7.65	8.64	9.63	10.61	11.60	13.57	15.54	18.50	21.45	24.40	27.35	29.72	37.20	
1.64	44	2.757	72	4.511	...	...	...	...	...	...	4.04	4.74	5.34	6.04	7.03	8.02	9.01	10.00	11.97	13.95	16.91	19.86	22.82	25.77	28.14	35.62	
1.65	34	2.130	56	3.509	...	...	...	3.38	3.87	4.38	5.37	6.06	6.66	7.35	8.34	9.33	10.31	11.30	13.27	15.24	18.20	21.15	24.11	27.06	29.42	36.90	
1.65	68	4.261	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.75	8.75	10.74	13.71	16.67	19.64	22.59	24.96	32.45	
1.67	36	2.256	60	3.760	...	...	...	...	3.56	4.07	5.06	5.76	6.35	7.04	8.03	9.02	10.01	11.00	12.97	14.94	17.90	20.85	23.81	26.76	29.13	36.61	
1.67	48	3.008	80	5.013	...	...	...	...	...	...	...	...	4.71	5.42	6.42	7.41	8.41	9.40	11.37	13.35	16.31	19.26	22.22	25.18	27.54	35.03	
1.68	38	2.381	64	4.010	...	...	...	...	...	3.75	4.75	5.45	6.05	6.74	7.73	8.72	9.71	10.70	12.67	14.64	17.60	20.55	23.51	26.46	28.83	36.31	
1.70	40	2.506	68	4.261	...	...	...	...	...	...	4.44	5.14	5.74	6.44	7.43	8.42	9.41	10.40	12.37	14.34	17.30	20.26	23.21	26.17	28.53	36.01	
1.73	52	3.258	90	5.639	...	...	...	...	...	...	...	...	...	4.67	5.68	6.69	7.68	8.68	10.66	12.64	15.61	18.56	21.52	24.48	26.85	34.33	
1.75	32	2.005	56	3.509	...	...	...	3.46	3.96	4.47	5.46	6.15	6.75	7.44	8.43	9.42	10.41	11.39	13.36	15.34	18.29	21.25	24.20	27.15	29.52	37.00	
1.75	64	4.010	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	5.91	6.92	8.93	10.92	13.90	16.86	19.83	22.78	25.15	32.64	
1.77	34	2.130	60	3.760	...	...	...	...	3.65	4.15	5.15	5.85	6.44	7.14	8.13	9.12	10.11	11.09	13.06	15.04	18.00	20.95	23.91	26.86	29.22	36.70	
1.78	36	2.256	64	4.010	...	...	...	...	...	3.84	4.84	5.54	6.14	6.83	7.82	8.82	9.80	10.79	12.76	14.74	17.70	20.65	23.61	26.56	28.93	36.41	
1.79	38	2.381	68	4.261	...	...	...	...	...	...	4.53	5.23	5.83	6.53	7.52	8.51	9.50	10.49	12.46	14.44	17.40	20.35	23.31	26.26	28.63	36.11	
1.80	40	2.506	72	4.511	...	...	...	...	...	...	4.21	4.92	5.52	6.22	7.21	8.21	9.20	10.19	12.16	14.14	17.10	20.05	23.01	25.96	28.33	35.81	
1.80	50	3.133	90	5.639	...	...	...	...	...	...	...	...	...	4.75	5.77	6.77	7.77	8.77	10.75	12.73	15.70	18.66	21.62	24.57	26.94	34.43	
1.82	44	2.757	80	5.013	...	...	...	...	...	...	...	4.28	4.89	5.59	6.60	7.59	8.59	9.58	11.56	13.54	16.50	19.45	22.41	25.37	27.73	35.22	
1.87	60	3.760	112	7.018	...	...	...	...	...	...	...	...	...	...	...	...	...	6.08	7.10	9.10	11.10	14.08	17.05	20.01	22.97	25.34	32.83
1.88	32	2.005	60	3.760	...	...	...	3.23	3.73	4.24	5.24	5.94	6.53	7.23	8.22	9.21	10.20	11.19	13.16	15.13	18.09	21.04	24.00	26.95	29.32	36.80	
1.88	48	3.008	90	5.639	...	...	...	...	...	...	...	...	...	4.84	5.86	6.86	7.86	8.86	10.84	12.83	15.79	18.75	21.71	24.67	27.04	34.52	
1.88	34	2.130	64	4.010	...	...	...	...	3.41	3.92	4.93	5.63	6.23	6.92	7.92	8.91	9.90	10.89	12.86	14.83	17.79	20.75	23.70	26.66	29.02	36.51	
1.89	36	2.256	68	4.261	...	...	...	...	...	3.60	4.61	5.32	5.92	6.62	7.61	8.60	9.59	10.58	12.56	14.53	17.49	20.45	23.41	26.36	28.72	36.21	
1.90	38	2.381	72	4.511	...	...	...	...	...	...	4.29	5.00	5.61	6.31	7.30	8.30	9.29	10.28	12.26	14.23	17.19	20.15	23.11	26.06	28.43	35.91	
2.00	32	2.005	64	4.010	...	...	...	...	3.50	4.01	5.02	5.72	6.32	7.01	8.01	9.00	9.99	10.98	12.95	14.93	17.89	20.84	23.80	26.75	29.12	36.60	
2.00	34	2.130	68	4.261	...	...	...	...	...	3.69	4.70	5.41	6.01	6.7													

SELECTION



5MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																					
	Driver		Driven		300-5M	355-5M	375-5M	400-5M	425-5M	450-5M	550-5M	535-5M	565-5M	600-5M	650-5M	700-5M	750-5M	800-5M	900-5M	1000-5M	1150-5M	1300-5M	1450-5M	1600-5M	1720-5M	2100-5M
	No. of Teeth	Pitch Dia. In.	No. of Teeth	Pitch Dia. In.																						
	Length Factor*																									
2.50	32	2.005	80	5.013	...	...	...	...	...	...	4.05	4.78	5.40	6.11	7.12	8.13	9.13	10.13	12.11	14.09	17.06	20.02	22.98	25.94	28.31	35.80
2.50	36	2.256	90	5.639	...	...	...	...	...	...	...	...	4.60	5.34	6.37	7.38	8.39	9.40	11.39	13.38	16.35	19.32	22.28	25.24	27.61	35.10
2.55	44	2.757	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.70	6.75	7.78	9.81	11.82	14.81	17.78	20.76	23.72	26.10	33.60
2.65	34	2.130	90	5.639	...	...	...	...	...	...	...	...	4.69	5.42	6.45	7.47	8.48	9.49	11.48	13.47	16.44	19.41	22.37	25.33	27.70	35.19
2.80	40	2.506	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.86	6.91	7.95	9.98	11.99	14.99	17.97	20.94	23.91	26.28	33.78
2.81	32	2.005	90	5.639	...	...	...	...	...	...	...	4.12	4.77	5.50	6.54	7.56	8.57	9.57	11.57	13.56	16.54	19.50	22.47	25.43	27.80	35.29
2.95	38	2.381	112	7.018	...	...	...	...	...	...	...	...	...	...	...	5.94	7.00	8.03	10.06	12.08	15.08	18.06	21.04	24.00	26.38	33.88
3.11	36	2.256	112	7.018	...	...	...	...	...	...	...	...	...	...	4.92	6.02	7.08	8.11	10.15	12.17	15.17	18.15	21.13	24.09	26.47	33.97
3.29	34	2.130	112	7.018	...	...	...	...	...	...	...	...	...	...	5.00	6.10	7.16	8.20	10.24	12.26	15.26	18.24	21.22	24.19	26.56	34.07
3.50	32	2.005	112	7.018	...	...	...	...	...	...	...	...	...	...	5.08	6.18	7.24	8.28	10.32	12.34	15.35	18.33	21.31	24.28	26.66	34.16
Length Factor*					0.77	0.81	0.83	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.98	1.00	1.01	1.03	1.06	1.09	1.13	1.16	1.19	1.22	1.24	1.29

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

V-Drives

FHP Drives

Drive Component Accessories

DYNA-SYNC

HT200/HTD Synchronous Drives

HT500 Synchronous Drives

Roller Chain Sprockets



SELECTION

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches															
	Driver		Driven		384-8M	480-8M	560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
	No. of	Pitch	No. of	Pitch																
	Teeth	Dia. Inches	Teeth	Dia. Inches																
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1.00	22	2.206	22	2.206	4.09	5.98	7.56	8.34	9.13	10.71	12.28	13.07	13.86	14.64	15.43	17.00	17.48	18.58	19.37	20.15
1.00	24	2.406	24	2.406	3.78	5.67	7.25	8.03	8.82	10.40	11.97	12.76	13.55	14.33	15.12	16.69	17.17	18.27	19.06	19.84
1.00	26	2.607	26	2.607	3.46	5.35	6.93	7.71	8.50	10.08	11.65	12.44	13.23	14.01	14.80	16.37	16.85	17.95	18.74	19.52
1.00	28	2.807	28	2.807	...	5.04	6.62	7.40	8.19	9.77	11.34	12.13	12.92	13.70	14.49	16.06	16.54	17.64	18.43	19.21
1.00	30	3.008	30	3.008	...	4.73	6.30	7.09	7.88	9.45	11.03	11.81	12.60	13.39	14.18	15.75	16.22	17.32	18.11	18.90
1.00	32	3.208	32	3.208	...	4.41	5.99	6.77	7.56	9.14	10.71	11.50	12.29	13.07	13.86	15.43	15.91	17.01	17.80	18.58
1.00	34	3.409	34	3.409	...	4.10	5.67	6.46	7.25	8.82	10.40	11.18	11.97	12.76	13.55	15.12	15.59	16.69	17.48	18.27
1.00	36	3.609	36	3.609	...	...	5.36	6.14	6.93	8.51	10.08	10.87	11.66	12.44	13.23	14.80	15.28	16.38	17.17	17.95
1.00	38	3.810	38	3.810	...	...	5.04	5.83	6.62	8.19	9.77	10.55	11.34	12.13	12.92	14.49	14.96	16.06	16.85	17.64
1.00	40	4.010	40	4.010	...	...	4.73	5.51	6.30	7.88	9.45	10.24	11.03	11.81	12.60	14.17	14.65	15.75	16.54	17.32
1.00	44	4.411	44	4.411	...	...	...	...	5.67	7.25	8.82	9.61	10.40	11.18	11.97	13.54	14.02	15.12	15.91	16.69
1.00	48	4.812	48	4.812	...	...	...	...	...	6.62	8.19	8.98	9.77	10.55	11.34	12.91	13.39	14.49	15.28	16.06
1.00	56	5.614	56	5.614	...	...	...	...	...	...	6.93	7.72	8.51	9.29	10.08	11.65	12.13	13.23	14.02	14.80
1.00	64	6.416	64	6.416	...	...	...	...	...	...	...	...	7.25	8.03	8.82	10.39	10.87	11.97	12.76	13.54
1.00	72	7.218	72	7.218	...	...	...	...	...	...	...	...	...	...	...	9.13	9.61	10.71	11.50	12.28
1.00	80	8.020	80	8.020	...	...	...	...	...	...	...	...	...	...	...	...	...	9.45	10.24	11.02
1.05	38	3.810	40	4.010	...	...	4.88	5.67	6.46	8.03	9.61	10.39	11.18	11.97	12.76	14.33	14.80	15.90	16.69	17.48
1.06	36	3.609	38	3.810	...	...	5.20	5.98	6.77	8.35	9.92	10.71	11.50	12.28	13.07	14.64	15.12	16.22	17.01	17.79
1.06	34	3.409	36	3.609	...	...	5.51	6.30	7.09	8.66	10.24	11.02	11.81	12.60	13.39	14.96	15.43	16.53	17.32	18.11
1.06	32	3.208	34	3.409	...	4.25	5.83	6.61	7.40	8.98	10.55	11.34	12.13	12.91	13.70	15.27	15.75	16.85	17.64	18.42
1.07	30	3.008	32	3.208	...	4.57	6.14	6.93	7.72	9.29	10.87	11.65	12.44	13.23	14.02	15.59	16.06	17.16	17.95	18.74
1.07	28	2.807	30	3.008	...	4.88	6.46	7.24	8.03	9.61	11.18	11.97	12.76	13.54	14.33	15.90	16.38	17.48	18.27	19.05
1.08	26	2.607	28	2.807	3.31	5.20	6.77	7.56	8.35	9.92	11.50	12.28	13.07	13.86	14.65	16.22	16.69	17.79	18.58	19.37
1.08	24	2.406	26	2.607	3.62	5.51	7.09	7.87	8.66	10.24	11.81	12.60	13.39	14.17	14.96	16.53	17.01	18.11	18.90	19.68
1.09	22	2.206	24	2.406	3.94	5.83	7.40	8.19	8.98	10.55	12.13	12.91	13.70	14.49	15.28	16.85	17.32	18.42	19.21	20.00
1.09	44	4.411	48	4.812	...	...	...	...	5.35	6.93	8.50	9.29	10.08	10.86	11.65	13.22	13.70	14.80	15.59	16.38
1.10	40	4.010	44	4.411	...	...	...	5.19	5.98	7.56	9.13	9.92	10.71	11.49	12.28	13.85	14.33	15.43	16.22	17.00
1.11	36	3.609	40	4.010	...	...	5.04	5.82	6.61	8.19	9.76	10.55	11.34	12.12	12.91	14.48	14.96	16.06	16.85	17.63
1.11	72	7.218	80	8.020	...	...	...	...	...	...	...	...	...	...	...	8.49	8.97	10.07	10.86	11.65
1.12	34	3.409	38	3.810	...	...	5.35	6.14	6.93	8.50	10.08	10.86	11.65	12.44	13.23	14.80	15.27	16.37	17.16	17.95
1.13	32	3.208	36	3.609	...	4.09	5.67	6.45	7.24	8.82	10.39	11.18	11.97	12.75	13.54	15.11	15.59	16.69	17.48	18.26
1.13	64	6.416	72	7.218	...	...	...	...	...	...	...	...	...	7.39	8.18	9.75	10.23	11.33	12.12	12.91
1.13	80	8.020	90	9.023	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.44	10.22
1.13	30	3.008	34	3.409	...	4.41	5.98	6.77	7.56	9.13	10.71	11.49	12.28	13.07	13.86	15.43	15.90	17.00	17.79	18.58
1.14	28	2.807	32	3.208	...	4.72	6.30	7.08	7.87	9.45	11.02	11.81	12.60	13.38	14.17	15.74	16.22	17.32	18.11	18.89
1.14	56	5.614	64	6.416	...	...	...	...	...	...	...	7.08	7.87	8.65	9.44	11.01	11.49	12.59	13.38	14.17
1.15	26	2.607	30	3.008	...	5.04	6.61	7.40	8.19	9.76	11.34	12.12	12.91	13.70	14.49	16.06	16.53	17.63	18.42	19.21
1.16	38	3.810	44	4.411	...	...	...	5.34	6.14	7.71	9.29	10.07	10.86	11.65	12.44	14.01	14.49	15.59	16.38	17.16
Length Factor*					0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

SELECTION



8MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

V-Drives

FHP Drives

Drive Component
Accessories

DYNA-SYNC

HT200/HTD
Synchronous DrivesHT500
Synchronous Drives

Roller Chain Sprockets



SELECTION

8MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

SELECTION



8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
	Length Factor*																				
1.17	24	2.406	28	2.807	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.28	39.21	43.15	47.09	51.03	55.91	60.47	66.77	82.52
1.17	48	4.812	56	5.614	15.90	17.00	20.15	21.57	22.99	23.30	26.45	27.24	31.18	35.11	39.05	42.99	46.93	51.81	56.38	62.68	78.43
1.18	34	3.409	40	4.010	18.27	19.37	22.52	23.94	25.35	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79
1.18	22	2.206	26	2.607	20.31	21.41	24.56	25.98	27.40	27.71	30.86	31.65	35.59	39.52	43.46	47.40	51.34	56.22	60.78	67.08	82.83
1.19	32	3.208	38	3.810	18.58	19.68	22.83	24.25	25.67	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10
1.20	30	3.008	36	3.609	18.90	20.00	23.15	24.57	25.98	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42
1.20	40	4.010	48	4.812	17.16	18.26	21.41	22.83	24.25	24.56	27.71	28.50	32.44	36.37	40.31	44.25	48.19	53.07	57.63	63.93	79.69
1.21	28	2.807	34	3.409	19.21	20.31	23.46	24.88	26.30	26.61	29.76	30.55	34.49	38.42	42.36	46.30	x50.24	55.12	59.68	65.98	81.73
1.22	36	3.609	44	4.411	17.79	18.89	22.04	23.46	24.88	25.19	28.34	29.13	33.07	37.00	40.94	44.88	48.82	53.70	58.26	64.56	80.32
1.23	26	2.607	32	3.208	19.53	20.63	23.78	25.20	26.61	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05
1.25	24	2.406	30	3.008	19.84	20.94	24.09	25.51	26.93	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36
1.25	32	3.208	40	4.010	18.42	19.52	22.67	24.09	25.51	25.82	28.97	29.76	33.70	37.63	41.57	45.51	49.45	54.33	58.89	65.19	80.95
1.25	64	6.416	80	8.020	12.73	13.83	16.99	18.41	19.83	20.14	23.29	24.08	28.02	31.96	35.90	39.83	43.77	48.66	53.22	59.52	75.27
1.25	72	7.218	90	9.023	11.30	12.41	15.56	16.99	18.40	18.72	21.87	22.66	26.60	30.54	34.48	38.41	42.35	47.24	51.80	58.10	73.85
1.26	38	3.810	48	4.812	17.32	18.42	21.57	22.99	24.40	24.72	27.87	28.66	32.59	36.53	40.47	44.41	48.35	53.23	57.79	64.09	79.84
1.27	30	3.008	38	3.810	18.74	19.84	22.99	24.41	25.82	26.14	29.29	30.08	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26
1.27	22	2.206	28	2.807	20.16	21.26	24.41	25.83	27.24	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68
1.27	44	4.411	56	5.614	16.21	17.31	20.46	21.88	23.30	23.61	26.76	27.55	31.49	35.43	39.37	43.30	47.24	52.12	56.69	62.99	78.74
1.29	28	2.807	36	3.609	19.05	20.15	23.30	24.72	26.14	26.45	29.60	30.39	34.33	38.26	42.20	46.14	50.08	54.96	59.52	65.82	81.57
1.29	56	5.614	72	7.218	13.99	15.10	18.25	19.67	21.09	21.40	24.55	25.34	29.28	33.22	37.16	41.09	45.03	49.92	54.48	60.78	76.53
1.29	34	3.409	44	4.411	17.95	19.05	22.20	23.62	25.03	25.35	28.50	29.29	33.22	37.16	41.10	45.04	48.98	53.86	58.42	64.72	80.47
1.31	26	2.607	34	3.409	19.37	20.47	23.62	25.04	26.45	26.77	29.92	30.71	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89
1.33	24	2.406	32	3.208	19.68	20.78	23.93	25.35	26.77	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20
1.33	30	3.008	40	4.010	18.58	19.68	22.83	24.25	25.66	25.98	29.13	29.92	33.85	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10
1.33	36	3.609	48	4.812	17.47	18.57	21.72	23.14	24.56	24.87	28.02	28.81	32.75	36.69	40.63	44.56	48.50	53.38	57.95	64.25	80.00
1.33	48	4.812	64	6.416	15.26	16.36	19.51	20.93	22.35	22.66	25.81	26.60	30.54	34.48	38.42	42.35	46.29	51.18	55.74	62.04	77.79
1.36	28	2.807	38	3.810	18.89	19.99	23.14	24.56	25.98	26.29	29.44	30.23	34.17	38.10	42.05	45.98	49.92	54.80	59.37	65.67	81.42
1.36	22	2.206	30	3.008	20.00	21.10	24.25	25.67	27.08	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52
1.38	32	3.208	44	4.411	18.10	19.20	22.35	23.77	25.19	25.50	28.65	29.44	33.38	37.32	41.26	45.19	49.13	54.01	58.58	64.88	80.63
1.39	26	2.607	36	3.609	19.21	20.31	23.46	24.88	26.29	26.61	29.76	30.55	34.48	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73
1.40	40	4.010	56	5.614	16.52	17.62	20.77	22.19	23.61	23.92	27.07	27.86	31.80	35.74	39.68	43.61	47.55	52.44	57.00	63.30	79.05
1.40	80	8.020	112	11.229	...	9.95	13.13	14.56	15.98	16.30	19.46	20.25	24.20	28.14	32.09	36.03	39.97	44.85	49.42	55.72	71.48
1.41	64	6.416	90	9.023	11.90	13.00	16.17	17.59	19.01	19.33	22.48	23.27	27.21	31.15	35.10	39.03	42.97	47.86	52.42	58.72	74.48
1.41	34	3.409	48	4.812	17.62	18.73	21.88	23.30	24.71	25.03	28.18	28.97	32.91	36.84	40.78	44.72	48.66	53.54	58.10	64.40	80.16
1.42	24	2.406	34	3.409	19.52	20.62	23.77	25.19	26.61	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	60.00	66.30	82.05
1.43	28	2.807	40	4.010	18.73	19.83	22.98	24.40	25.82	26.13	29.28	30.07	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26
1.43	56	5.614	80	8.020	13.33	14.44	17.60	19.02	20.44	20.75	23.91	24.70	28.64	32.57	36.52	40.45	44.40	49.28	53.84	60.14	75.90
1.46	22	2.206	32	3.208	19.84	20.94	24.09	25.51	26.92	27.24	30.39	31.18	35.11	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

8MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



8MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

SELECTION



8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches													
	Driver		Driven		560-8M	600-8M	640-8M	720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches														
Length Factor*					0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.00	22	2.206	44	4.411	5.72	6.52	7.32	8.91	10.50	11.28	12.08	12.87	13.66	15.23	15.71	16.81	17.60	18.39
2.00	24	2.406	48	4.812	5.22	6.02	6.82	8.42	10.01	10.80	11.59	12.38	13.18	14.75	15.23	16.33	17.12	17.91
2.00	28	2.807	56	5.614	...	5.00	5.82	7.43	9.03	9.82	10.62	11.41	12.21	13.78	14.26	15.37	16.16	16.95
2.00	32	3.208	64	6.416	...	...	...	6.41	8.03	8.83	9.63	10.43	11.23	12.81	13.29	14.40	15.19	15.98
2.00	36	3.609	72	7.218	...	...	...	...	7.01	7.82	8.63	9.43	10.24	11.83	12.31	13.42	14.22	15.01
2.00	40	4.010	80	8.020	...	...	...	...	...	6.79	7.61	8.42	9.23	10.84	11.32	12.43	13.23	14.03
2.00	56	5.614	112	11.229	...	...	...	...	...	...	...	...	...	...	...	...	9.17	9.99
2.00	72	7.218	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.05	44	4.411	90	9.023	...	...	...	...	...	...	...	7.19	8.01	9.64	10.13	11.26	12.06	12.86
2.11	38	3.810	80	8.020	...	...	...	...	...	6.92	7.75	8.56	9.37	10.98	11.46	12.58	13.38	14.17
2.12	34	3.409	72	7.218	...	...	...	...	7.15	7.96	8.77	9.57	10.38	11.97	12.45	13.56	14.36	15.15
2.13	30	3.008	64	6.416	...	...	...	6.55	8.17	8.97	9.77	10.57	11.37	12.96	13.44	14.54	15.34	16.13
2.15	26	2.607	56	5.614	...	5.13	5.95	7.57	9.17	9.96	10.76	11.56	12.35	13.93	14.41	15.52	16.31	17.10
2.18	22	2.206	48	4.812	5.35	6.16	6.97	8.56	10.15	10.95	11.74	12.53	13.32	14.90	15.38	16.48	17.27	18.06
2.22	36	3.609	80	8.020	...	...	...	...	...	7.05	7.88	8.70	9.51	11.12	11.60	12.72	13.52	14.32
2.25	32	3.208	72	7.218	...	...	...	...	7.28	8.10	8.91	9.71	10.52	12.12	12.60	13.71	14.51	15.30
2.25	40	4.010	90	9.023	...	...	...	...	...	...	...	7.45	8.28	9.92	10.41	11.54	12.34	13.14
2.25	64	6.416	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.29	28	2.807	64	6.416	...	...	...	6.69	8.31	9.11	9.92	10.71	11.51	13.10	13.58	14.69	15.49	16.28
2.33	24	2.406	56	5.614		5.26	6.09	7.71	9.31	10.11	10.91	11.70	12.50	14.08	14.56	15.66	16.46	17.25
2.33	48	4.812	112	11.229	...	...	...	...	...	...	...	...	...	...	...	8.86	9.70	10.53
2.35	34	3.409	80	8.020	...	...	...	...	6.35	7.19	8.01	8.83	9.65	11.26	11.74	12.86	13.66	14.46
2.37	38	3.810	90	9.023	...	...	...	...	...	...	6.74	7.58	8.41	10.05	10.54	11.67	12.48	13.28
2.40	30	3.008	72	7.218	...	...	...	5.75	7.42	8.23	9.05	9.85	10.66	12.26	12.74	13.85	14.65	15.44
2.40	80	8.020	192	19.249	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.46	26	2.607	64	6.416	...	...	5.16	6.82	8.45	9.25	10.06	10.86	11.66	13.25	13.73	14.84	15.63	16.42
2.50	32	3.208	80	8.020	...	...	...	...	6.48	7.32	8.15	8.97	9.78	11.40	11.88	13.00	13.81	14.60
2.50	36	3.609	90	9.023	...	...	...	...	...	...	6.86	7.71	8.55	10.19	10.68	11.81	12.62	13.43
2.55	22	2.206	56	5.614	4.56	5.40	6.22	7.85	9.45	10.25	11.05	11.85	12.64	14.23	14.70	15.81	16.61	17.39
2.55	44	4.411	112	11.229	...	...	...	...	...	...	...	...	...	...	...	9.12	9.96	10.79
2.57	28	2.807	72	7.218	...	...	...	5.88	7.55	8.37	9.19	9.99	10.80	12.40	12.88	14.00	14.80	15.59
2.57	56	5.614	144	14.437	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.65	34	3.409	90	9.023	...	...	...	...	...	...	6.99	7.84	8.68	10.32	10.81	11.95	12.76	13.56
2.67	24	2.406	64	6.416	...	...	5.29	6.96	8.59	9.39	10.20	11.00	11.80	13.39	13.87	14.98	15.78	16.57
2.67	30	3.008	80	8.020	...	...	...	...	6.61	7.45	8.28	9.10	9.92	11.54	12.02	13.14	13.95	14.75
2.67	72	7.218	192	19.249	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.77	26	2.607	72	7.218	...	...	...	6.01	7.68	8.50	9.32	10.13	10.94	12.54	13.02	14.14	14.94	15.73
2.80	40	4.010	112	11.229	...	...	...	...	...	...	...	...	...	...	8.16	9.37	10.22	11.06
2.81	32	3.208	90	9.023	...	...	...	...	...	...	7.12	7.97	8.81	10.46	10.95	12.09	12.90	13.70
2.86	28	2.807	80	8.020	...	...	...	...	6.74	7.58	8.41	9.24	10.06	11.67	12.16	13.28	14.09	14.89
Length Factor*					0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		1224-8M	1280-8M	1440-8M	1512-8M	1584-8M	1600-8M	1760-8M	1800-8M	2000-8M	2200-8M	2400-8M	2600-8M	2800-8M	3048-8M	3280-8M	3600-8M	4400-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
2.00	22	2.206	44	4.411	18.87	19.97	23.12	24.54	25.96	26.27	29.43	30.22	34.16	38.09	42.03	45.97	49.91	54.79	59.36	65.66	81.41
2.00	24	2.406	48	4.812	18.39	19.49	22.64	24.07	25.48	25.80	28.95	29.74	33.68	37.62	41.56	45.50	49.44	54.32	58.88	65.18	80.94
2.00	28	2.807	56	5.614	17.42	18.53	21.69	23.11	24.53	24.84	28.00	28.79	32.73	36.66	40.61	44.54	48.49	53.37	57.93	64.24	79.99
2.00	32	3.208	64	6.416	16.46	17.56	20.72	22.15	23.57	23.88	27.04	27.83	31.77	35.71	39.65	43.59	47.53	52.42	56.98	63.29	79.04
2.00	36	3.609	72	7.218	15.49	16.59	19.76	21.18	22.60	22.92	26.08	26.87	30.81	34.75	38.70	42.64	46.58	51.46	56.03	62.34	78.09
2.00	40	4.010	80	8.020	14.51	15.62	18.79	20.22	21.64	21.96	25.12	25.91	29.85	33.80	37.74	41.68	45.63	50.51	55.08	61.38	77.14
2.00	56	5.614	112	11.229	10.49	11.63	14.85	16.29	17.73	18.05	21.23	22.03	25.99	29.94	33.90	37.85	41.80	46.69	51.26	57.57	73.33
2.00	72	7.218	144	14.437	...	...	...	12.22	13.69	14.02	17.26	18.07	22.07	26.05	30.02	33.98	37.94	42.84	47.42	53.74	69.51
2.05	44	4.411	90	9.023	13.34	14.46	17.64	19.07	20.50	20.82	23.98	24.78	28.73	32.67	36.62	40.56	44.51	49.40	53.96	60.27	76.03
2.11	38	3.810	80	8.020	14.65	15.76	18.94	20.36	21.79	22.10	25.27	26.06	30.00	33.95	37.90	41.84	45.78	50.67	55.23	61.54	77.30
2.12	34	3.409	72	7.218	15.63	16.74	19.91	21.33	22.75	23.07	26.23	27.02	30.97	34.91	38.85	42.79	46.73	51.62	56.19	62.49	78.25
2.13	30	3.008	64	6.416	16.61	17.71	20.87	22.30	23.72	24.03	27.19	27.98	31.92	35.86	39.81	43.75	47.69	52.57	57.14	63.44	79.20
2.15	26	2.607	56	5.614	17.57	18.68	21.84	23.26	24.68	24.99	28.15	28.94	32.88	36.82	40.76	44.70	48.64	53.52	58.09	64.39	80.14
2.18	22	2.206	48	4.812	18.54	19.64	22.80	24.22	25.63	25.95	29.10	29.89	33.83	37.77	41.71	45.65	49.59	54.47	59.04	65.34	81.09
2.22	36	3.609	80	8.020	14.80	15.91	19.08	20.51	21.94	22.25	25.42	26.21	30.16	34.10	38.05	41.99	45.93	50.82	55.39	61.69	77.45
2.25	32	3.208	72	7.218	15.78	16.89	20.06	21.48	22.90	23.22	26.38	27.17	31.12	35.06	39.00	42.94	46.89	51.77	56.34	62.64	78.40
2.25	40	4.010	90	9.023	13.63	14.75	17.93	19.37	20.79	21.11	24.28	25.07	29.03	32.97	36.92	40.87	44.81	49.70	54.27	60.58	76.34
2.25	64	6.416	144	14.437	...	...	11.24	12.75	14.23	14.56	17.81	18.62	22.64	26.62	30.60	34.57	38.53	43.44	48.02	54.34	70.12
2.29	28	2.807	64	6.416	16.75	17.86	21.02	22.45	23.87	24.18	27.34	28.13	32.08	36.02	39.96	43.90	47.84	52.73	57.29	63.60	79.35
2.33	24	2.406	56	5.614	17.72	18.83	21.99	23.41	24.83	25.14	28.30	29.09	33.03	36.97	40.91	44.85	48.79	53.68	58.24	64.55	80.30
2.33	48	4.812	112	11.229	11.03	12.17	15.41	16.86	18.30	18.62	21.81	22.61	26.58	30.54	34.50	38.45	42.40	47.29	51.87	58.18	73.95
2.35	34	3.409	80	8.020	14.94	16.05	19.23	20.66	22.08	22.40	25.56	26.36	30.31	34.25	38.20	42.14	46.09	50.97	55.54	61.85	77.60
2.37	38	3.810	90	9.023	13.77	14.89	18.08	19.51	20.94	21.26	24.43	25.22	29.17	33.12	37.07	41.02	44.97	49.85	54.42	60.73	76.49
2.40	30	3.008	72	7.218	15.92	17.03	20.20	21.63	23.05	23.37	26.53	27.32	31.27	35.21	39.16	43.10	47.04	51.93	56.49	62.80	78.56
2.40	80	8.020	192	19.249	...	...	...	...	...	...	...	...	17.04	21.16	25.21	29.24	33.24	38.18	42.79	49.14	64.97
2.46	26	2.607	64	6.416	16.90	18.01	21.17	22.60	24.02	24.33	27.49	28.28	32.23	36.17	40.11	44.05	48.00	52.88	57.45	63.75	79.51
2.50	32	3.208	80	8.020	15.08	16.20	19.38	20.81	22.23	22.55	25.71	26.51	30.46	34.40	38.35	42.29	46.24	51.12	55.69	62.00	77.76
2.50	36	3.609	90	9.023	13.91	15.03	18.22	19.66	21.08	21.40	24.57	25.37	29.32	33.27	37.23	41.17	45.12	50.01	54.58	60.88	76.65
2.55	22	2.206	56	5.614	17.87	18.98	22.14	23.56	24.98	25.30	28.45	29.24	33.18	37.12	41.07	45.01	48.95	53.83	58.40	64.70	80.46
2.55	44	4.411	112	11.229	11.29	12.44	15.69	17.14	18.58	18.90	22.10	22.90	26.87	30.83	34.79	38.75	42.70	47.59	52.17	58.48	74.25
2.57	28	2.807	72	7.218	16.07	17.18	20.35	21.78	23.20	23.52	26.68	27.47	31.42	35.36	39.31	43.25	47.19	52.08	56.65	62.95	78.71
2.57	56	5.614	144	14.437	...	...	11.76	13.28	14.77	15.10	18.36	19.18	23.20	27.20	31.18	35.15	39.12	44.03	48.62	54.94	70.73
2.65	34	3.409	90	9.023	14.05	15.17	18.37	19.80	21.23	21.55	24.72	25.52	29.47	33.42	37.38	41.32	45.27	50.16	54.73	61.04	76.80
2.67	24	2.406	64	6.416	17.05	18.16	21.32	22.75	24.17	24.48	27.64	28.44	32.38	36.32	40.27	44.21	48.15	53.03	57.60	63.90	79.66
2.67	30	3.008	80	8.020	15.23	16.34	19.52	20.95	22.38	22.70	25.86	26.66	30.61	34.55	38.50	42.44	46.39	51.28	55.85	62.15	77.91
2.67	72	7.218	192	19.249	...	...	...	...	...	...	...	...	17.56	21.70	25.77	29.80	33.81	38.76	43.37	49.73	65.56
2.77	26	2.607	72	7.218	16.21	17.32	20.50	21.93	23.35	23.67	26.83	27.62	31.57	35.51	39.46	43.40	47.35	52.23	56.80	63.11	78.86
2.80	40	4.010	112	11.229	11.56	12.71	15.97	17.42	18.86	19.19	22.38	23.18	27.16	31.13	35.09	39.04	43.00	47.90	52.47	58.79	74.56
2.81	32	3.208	90	9.023	14.19	15.31	18.51	19.95	21.38	21.69	24.87	25.66	29.62	33.57	37.53	41.47	45.42	50.31	54.88	61.19	76.95
2.86	28	2.807	80	8.020	15.37	16.49	19.67	21.10	22.53	22.84	26.01	26.80	30.76	34.70	38.65	42.60	46.54	51.43	56.00	62.31	78.07
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		720-8M	800-8M	840-8M	880-8M	920-8M	960-8M	1040-8M	1064-8M	1120-8M	1160-8M	1200-8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
	Length Factor*				0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.91	22	2.206	64	6.416	7.09	8.72	9.53	10.34	11.14	11.94	13.53	14.01	15.13	15.92	16.72
2.95	38	3.810	112	11.229	...	...	...	...	...	...	...	8.29	9.50	10.35	11.19
3.00	24	2.406	72	7.218	6.14	7.82	8.64	9.46	10.27	11.08	12.68	13.17	14.28	15.08	15.88
3.00	30	3.008	90	9.023	...	...	6.36	7.24	8.10	8.94	10.59	11.09	12.22	13.04	13.84
3.00	48	4.812	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.00	64	6.416	192	19.249	...	...	...	...	...	...	...	...	...	...	...
3.08	26	2.607	80	8.020	...	6.86	7.71	8.55	9.37	10.19	11.81	12.30	13.42	14.23	15.03
3.11	36	3.609	112	11.229	...	...	...	...	...	...	7.88	8.41	9.63	10.48	11.32
3.21	28	2.807	90	9.023	...	...	6.48	7.37	8.22	9.07	10.73	11.22	12.36	13.18	13.98
3.27	22	2.206	72	7.218	6.27	7.95	8.77	9.59	10.41	11.22	12.82	13.31	14.43	15.23	16.02
3.27	44	4.411	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.29	34	3.409	112	11.229	...	...	...	...	...	...	8.00	8.54	9.75	10.61	11.45
3.33	24	2.406	80	8.020	...	6.99	7.84	8.68	9.50	10.33	11.95	12.44	13.56	14.37	15.17
3.43	56	5.614	192	19.249	...	...	...	...	...	...	...	...	...	...	...
3.46	26	2.607	90	9.023	...	...	6.61	7.49	8.35	9.20	10.86	11.35	12.50	13.31	14.12
3.50	32	3.208	112	11.229	...	...	...	...	...	...	8.12	8.66	9.88	10.74	11.58
3.60	40	4.010	144	14.437	...	...	...	...	...	...	...	...	...	...	...
3.64	22	2.206	80	8.020	...	7.12	7.97	8.81	9.64	10.46	12.09	12.58	13.70	14.51	15.31
3.73	30	3.008	112	11.229	...	...	...	...	...	...	8.24	8.78	10.01	10.87	11.71
3.75	24	2.406	90	9.023	...	...	6.73	7.62	8.48	9.33	10.99	11.49	12.63	13.45	14.26
3.79	38	3.810	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.00	28	2.807	112	11.229	...	...	...	...	...	...	8.36	8.91	10.13	10.99	11.84
4.00	36	3.609	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.00	48	4.812	192	19.249	...	...	...	...	...	...	...	...	...	...	...
4.09	22	2.206	90	9.023	...	5.92	6.85	7.74	8.61	9.46	11.12	11.62	12.77	13.59	14.40
4.24	34	3.409	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.31	26	2.607	112	11.229	...	...	...	...	...	...	8.48	9.03	10.26	11.12	11.97
4.36	44	4.411	192	19.249	...	...	...	...	...	...	...	...	...	...	...
4.50	32	3.208	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.67	24	2.406	112	11.229	...	...	...	...	...	...	8.60	9.15	10.38	11.25	12.10
4.80	30	3.008	144	14.437	...	...	...	...	...	...	...	...	...	...	...
4.80	40	4.010	192	19.249	...	...	...	...	...	...	...	...	...	...	...
5.05	38	3.810	192	19.249	...	...	...	...	...	...	...	...	...	...	...
5.09	22	2.206	112	11.229	...	...	...	...	...	...	8.72	9.27	10.51	11.38	12.23
5.14	28	2.807	144	14.437	...	...	...	...	...	...	...	...	...	...	...
5.33	36	3.609	192	19.249	...	...	...	...	...	...	...	...	...	...	...
5.54	26	2.607	144	14.437	...	...	...	...	...	...	...	...	...	...	...
5.65	34	3.409	192	19.249	...	...	...	...	...	...	...	...	...	...	...
6.00	24	2.406	144	14.437	...	...	...	...	...	...	...	...	...	...	...
6.00	32	3.208	192	19.249	...	...	...	...	...	...	...	...	...	...	...
6.40	30	3.008	192	19.249	...	...	...	...	...	...	...	...	...	...	...
6.55	22	2.206	144	14.437	...	...	...	...	...	...	...	...	...	...	...
6.86	28	2.807	192	19.249	...	...	...	...	...	...	...	...	...	...	...
	Length Factor*				0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



8MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches																
	Driver		Driven		1224- 8M	1280- 8M	1440- 8M	1512- 8M	1584- 8M	1600- 8M	1760- 8M	1800- 8M	2000- 8M	2200- 8M	2400- 8M	2600- 8M	2800- 8M	3048- 8M	3280- 8M	3600- 8M	4400- 8M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches																	
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
2.91	22	2.206	64	6.416	17.19	18.30	21.47	22.90	24.32	24.63	27.79	28.59	32.53	36.47	40.42	44.36	48.30	53.19	57.75	64.06	79.82
2.95	38	3.810	112	11.229	11.69	12.84	16.10	17.56	19.01	19.33	22.53	23.33	27.31	31.27	35.24	39.19	43.15	48.05	52.62	58.94	74.71
3.00	24	2.406	72	7.218	16.36	17.47	20.65	22.08	23.50	23.81	26.98	27.77	31.72	35.67	39.61	43.55	47.50	52.39	56.96	63.26	79.02
3.00	30	3.008	90	9.023	14.33	15.45	18.65	20.09	21.52	21.84	25.01	25.81	29.77	33.72	37.68	41.62	45.57	50.46	55.03	61.34	77.11
3.00	48	4.812	144	14.437	...	...	12.27	13.80	15.30	15.63	18.91	19.73	23.76	27.77	31.76	35.74	39.71	44.62	49.21	55.54	71.33
3.00	64	6.416	192	19.249	...	...	...	...	...	...	...	...	18.08	22.23	26.31	30.36	34.37	39.33	43.95	50.31	66.16
3.08	26	2.607	80	8.020	15.51	16.63	19.81	21.25	22.67	22.99	26.16	26.95	30.90	34.85	38.80	42.75	46.70	51.58	56.15	62.46	78.22
3.11	36	3.609	112	11.229	11.82	12.98	16.24	17.70	19.15	19.47	22.67	23.47	27.45	31.42	35.39	39.34	43.30	48.20	52.77	59.09	74.86
3.21	28	2.807	90	9.023	14.47	15.59	18.80	20.23	21.67	21.98	25.16	25.96	29.92	33.87	37.83	41.77	45.72	50.61	55.19	61.50	77.26
3.27	22	2.206	72	7.218	16.50	17.61	20.79	22.22	23.65	23.96	27.13	27.92	31.87	35.82	39.76	43.71	47.65	52.54	57.11	63.41	79.17
3.27	44	4.411	144	14.437	...	...	12.52	14.06	15.56	15.89	19.18	20.00	24.04	28.05	32.05	36.03	40.00	44.92	49.51	55.84	71.64
3.29	34	3.409	112	11.229	11.95	13.11	16.38	17.84	19.29	19.61	22.81	23.61	27.60	31.57	35.53	39.49	43.45	48.35	52.92	59.24	75.02
3.33	24	2.406	80	8.020	15.65	16.77	19.96	21.39	22.82	23.14	26.31	27.10	31.05	35.00	38.96	42.90	46.85	51.74	56.31	62.61	78.38
3.43	56	5.614	192	19.249	...	...	...	...	...	...	13.39	14.29	18.60	22.77	26.86	30.91	34.94	39.90	44.53	50.89	66.75
3.46	26	2.607	90	9.023	14.61	15.73	18.94	20.38	21.81	22.13	25.31	26.10	30.06	34.02	37.98	41.92	45.87	50.76	55.34	61.65	77.41
3.50	32	3.208	112	11.229	12.08	13.24	16.52	17.98	19.43	19.75	22.95	23.76	27.74	31.71	35.68	39.64	43.60	48.50	53.07	59.39	75.17
3.60	40	4.010	144	14.437	...	...	12.78	14.32	15.82	16.16	19.45	20.27	24.32	28.34	32.34	36.32	40.29	45.21	49.80	56.13	71.94
3.64	22	2.206	80	8.020	15.80	16.91	20.10	21.54	22.96	23.28	26.45	27.25	31.20	35.15	39.11	43.05	47.00	51.89	56.46	62.77	78.53
3.73	30	3.008	112	11.229	12.21	13.38	16.65	18.11	19.56	19.89	23.10	23.90	27.88	31.86	35.83	39.79	43.75	48.64	53.22	59.54	75.32
3.75	24	2.406	90	9.023	14.75	15.87	19.08	20.52	21.95	22.27	25.45	26.25	30.21	34.17	38.13	42.07	46.02	50.92	55.49	61.80	77.57
3.79	38	3.810	144	14.437	...	...	12.90	14.45	15.96	16.29	19.59	20.41	24.46	28.48	32.48	36.46	40.44	45.36	49.95	56.28	72.09
4.00	28	2.807	112	11.229	12.35	13.51	16.79	18.25	19.70	20.03	23.24	24.04	28.03	32.00	35.97	39.93	43.89	48.79	53.37	59.69	75.47
4.00	36	3.609	144	14.437	...	9.42	13.03	14.57	16.09	16.42	19.72	20.54	24.60	28.62	32.62	36.61	40.59	45.50	50.10	56.43	72.24
4.00	48	4.812	192	19.249	...	...	...	...	...	...	13.88	14.78	19.12	23.30	27.41	31.47	35.50	40.47	45.10	51.47	67.34
4.09	22	2.206	90	9.023	14.88	16.01	19.22	20.66	22.10	22.42	25.60	26.40	30.36	34.32	38.27	42.22	46.17	51.07	55.64	61.95	77.72
4.24	34	3.409	144	14.437	...	9.53	13.16	14.70	16.22	16.55	19.86	20.68	24.74	28.76	32.76	36.75	40.73	45.65	50.25	56.58	72.39
4.31	26	2.607	112	11.229	12.48	13.64	16.93	18.39	19.84	20.17	23.38	24.18	28.17	32.15	36.12	40.08	44.04	48.94	53.52	59.84	75.63
4.36	44	4.411	192	19.249	...	...	...	...	...	...	4.12	15.03	19.38	25.57	27.68	31.74	35.78	40.75	45.39	51.76	67.63
4.50	32	3.208	144	14.437	...	9.65	13.28	14.83	16.35	16.68	19.99	20.81	24.88	28.90	32.91	36.89	40.88	45.80	50.39	56.73	72.54
4.67	24	2.406	112	11.229	12.61	13.77	17.06	18.53	19.98	20.30	23.52	24.32	28.32	32.29	36.27	40.23	44.19	49.09	53.67	59.99	75.78
4.80	30	3.008	144	14.437	...	9.77	13.41	14.96	16.48	16.81	20.13	20.95	25.01	29.04	33.05	37.04	41.02	45.94	50.54	56.88	72.69
4.80	40	4.010	192	19.249	...	...	...	...	...	...	14.37	15.27	19.63	23.83	27.95	32.02	36.05	41.03	45.67	52.05	67.93
5.05	38	3.810	192	19.249	...	...	...	...	...	...	14.49	15.40	19.76	23.96	28.08	32.15	36.19	41.18	45.82	52.19	68.08
5.09	22	2.206	112	11.229	12.74	13.90	17.20	18.67	20.12	20.44	23.66	24.47	28.46	32.44	36.41	40.38	44.34	49.24	53.82	60.14	75.93
5.14	28	2.807	144	14.437	...	9.89	13.53	15.09	16.61	16.94	20.26	21.08	25.15	29.18	33.19	37.18	41.17	46.09	50.69	57.02	72.84
5.33	36	3.609	192	19.249	...	...	...	...	...	...	14.61	15.52	19.89	24.09	28.22	32.29	36.33	41.32	45.96	52.34	68.22
5.54	26	2.607	144	14.437	...	10.00	13.66	15.21	16.74	17.07	20.39	21.22	25.29	29.32	33.33	37.32	41.31	46.23	50.83	57.17	72.99
5.65	34	3.409	192	19.249	...	...	...	...	...	...	14.73	15.64	20.02	24.23	28.35	32.43	36.47	41.46	46.10	52.48	68.37
6.00	24	2.406	144	14.437	...	10.12	13.78	15.34	16.87	17.20	20.53	21.35	25.43	29.46	33.47	37.47	41.45	46.38	50.98	57.32	73.14
6.00	32	3.208	192	19.249	...	...	...	...	...	...	14.85	15.76	20.14	24.36	28.49	32.56	36.61	41.60	46.24	52.63	68.52
6.40	30	3.008	192	19.249	...	...	...	...	...	...	14.97	15.89	20.27	24.49	28.62	32.70	36.75	41.74	46.38	52.77	68.66
6.55	22	2.206	144	14.437	8.80	10.24	13.91	15.47	17.00	17.33	20.66	21.49	25.56	29.60	33.62	37.61	41.60	46.53	51.13	57.47	73.29
6.86	28	2.807	192	19.249	...	...	...	...	...	...	15.09	16.01	20.40	24.62	28.75	32.84	36.89	41.88	46.53	52.91	68.81
Length Factor*					1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

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

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.73	52	9.123	90	15.790	42.31	46.45	49.22	56.12	65.50	70.47	77.92	85.09	93.36	101.64	115.43
1.73	30	5.263	52	9.123	50.67	54.81	57.57	64.46	73.83	78.80	86.24	93.41	101.67	109.94	123.73
1.75	32	5.614	56	9.825	49.84	53.97	56.74	63.62	73.00	77.97	85.41	92.58	100.84	109.11	122.90
1.75	64	11.229	112	19.650	37.52	41.67	44.45	51.36	60.76	65.73	73.19	80.36	88.64	96.92	110.71
1.77	34	5.965	60	10.527	49.00	53.14	55.90	62.79	72.17	77.13	84.58	91.74	100.01	108.28	122.07
1.78	36	6.316	64	11.229	48.17	52.30	55.07	61.96	71.33	76.30	83.74	90.91	99.18	107.45	121.24
1.79	38	6.667	68	11.930	47.33	51.47	54.23	61.12	70.50	75.47	82.91	90.08	98.35	106.62	120.41
1.79	29	5.088	52	9.123	50.81	54.94	57.70	64.59	73.97	78.93	86.38	93.54	101.81	110.08	123.86
1.80	40	7.018	72	12.632	46.49	50.63	53.39	60.29	69.67	74.63	82.08	89.25	97.52	105.79	119.57
1.80	80	14.036	144	25.264	30.63	34.82	37.61	44.56	54.00	58.99	66.46	73.64	81.93	90.22	104.02
1.82	44	7.720	80	14.036	44.81	48.95	51.72	58.61	67.99	72.96	80.41	87.58	95.85	104.12	117.91
1.86	28	4.912	52	9.123	50.94	55.08	57.84	64.73	74.10	79.07	86.51	93.68	101.95	110.22	124.00
1.87	30	5.263	56	9.825	50.11	54.24	57.00	63.89	73.27	78.24	85.68	92.85	101.11	109.39	123.17
1.87	60	10.527	112	19.650	38.04	42.19	44.97	51.88	61.28	66.26	73.72	80.90	89.17	97.45	111.25
1.88	32	5.614	60	10.527	49.27	53.41	56.17	63.06	72.44	77.40	84.85	92.02	100.28	108.56	122.34
1.88	48	8.421	90	15.790	42.84	46.98	49.75	56.65	66.04	71.01	78.46	85.63	93.90	102.18	115.97
1.88	34	5.965	64	11.229	48.43	52.57	55.33	62.23	71.60	76.57	84.01	91.18	99.45	107.72	121.51
1.89	36	6.316	68	11.930	47.60	51.73	54.50	61.39	70.77	75.74	83.18	90.35	98.62	106.89	120.68
1.90	38	6.667	72	12.632	46.76	50.90	53.66	60.55	69.93	74.90	82.35	89.52	97.79	106.06	119.85
1.93	29	5.088	56	9.825	50.24	54.38	57.14	64.03	73.40	78.37	85.81	92.98	101.25	109.52	123.30
2.00	28	4.912	56	9.825	50.38	54.51	57.27	64.16	73.54	78.51	85.95	93.12	101.39	109.66	123.44
2.00	30	5.263	60	10.527	49.54	53.67	56.44	63.33	72.71	77.67	85.12	92.29	100.55	108.83	122.61
2.00	32	5.614	64	11.229	48.70	52.84	55.60	62.49	71.87	76.84	84.28	91.45	99.72	108.00	121.78
2.00	34	5.965	68	11.930	47.86	52.00	54.76	61.66	71.04	76.01	83.45	90.62	98.89	107.16	120.95
2.00	36	6.316	72	12.632	47.02	51.16	53.93	60.82	70.20	75.17	82.62	89.79	98.06	106.33	120.12
2.00	40	7.018	80	14.036	45.34	49.48	52.25	59.15	68.53	73.50	80.95	88.12	96.39	104.67	118.45
2.00	56	9.825	112	19.650	38.55	42.71	45.48	52.40	61.81	66.79	74.25	81.43	89.71	97.99	111.78
2.00	72	12.632	144	25.264	31.61	35.82	38.62	45.58	55.03	60.02	67.50	74.69	82.99	91.28	105.09
2.05	44	7.720	90	15.790	43.36	47.50	50.27	57.18	66.57	71.54	78.99	86.17	94.44	102.72	116.51
2.07	29	5.088	60	10.527	49.60	53.81	56.57	63.46	72.84	77.81	85.25	92.42	100.69	108.96	122.75
2.10	80	14.036	168	29.475	26.71	31.00	33.84	40.88	50.39	55.41	62.91	70.13	78.44	86.74	100.57
2.11	38	6.667	80	14.036	45.60	49.74	52.51	59.41	68.80	73.77	81.22	88.39	96.66	104.94	118.72
2.12	34	5.965	72	12.632	47.29	51.43	54.19	61.09	70.47	75.44	82.89	90.06	98.33	106.60	120.39
2.12	68	11.930	144	25.264	32.10	36.31	39.12	46.09	55.54	60.54	68.02	75.22	83.51	91.81	105.62
2.13	32	5.614	68	11.930	48.13	52.27	55.03	61.93	71.31	76.28	83.72	90.89	99.16	107.43	121.22
2.13	30	5.263	64	11.229	48.97	53.10	55.87	62.76	72.14	77.11	84.55	91.72	99.99	108.27	122.05
2.14	28	4.912	60	10.527	49.81	53.94	56.70	63.60	72.98	77.94	85.39	92.56	100.83	109.10	122.88
2.15	52	9.123	112	19.650	39.06	43.22	46.00	52.92	62.33	67.32	74.78	81.96	90.24	98.52	112.32
2.21	29	5.088	64	11.229	49.10	53.24	56.00	62.89	72.27	77.24	84.69	91.86	100.13	108.40	122.19
2.22	36	6.316	80	14.036	45.86	50.01	52.77	59.68	69.06	74.03	81.48	88.66	96.93	105.20	118.99
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
2.25	32	5.614	72	12.632	...	...	12.74	17.00	20.37	22.60	26.78	30.94	33.72	36.49	40.64
2.25	40	7.018	90	15.790	...	...	...	13.04	16.50	18.78	23.01	27.20	30.00	32.78	36.95
2.25	64	11.229	144	25.264	...	...	...	...	...	...	...	...	...	21.15	25.49
2.27	30	5.263	68	11.930	...	9.32	13.65	17.88	21.23	23.46	27.64	31.79	34.57	37.33	41.48
2.29	28	4.912	64	11.229	...	10.26	14.54	18.75	22.10	24.32	28.49	32.64	35.41	38.18	42.32
2.33	48	8.421	112	19.650	...	...	...	...	...	...	18.43	22.73	25.56	28.38	32.59
2.33	72	12.632	168	29.475	...	...	...	...	...	...	...	...	...	...	...
2.35	29	5.088	68	11.930	...	9.43	13.77	18.00	21.36	23.59	27.76	31.92	34.70	37.46	41.61
2.35	34	5.965	80	14.036	...	...	11.11	15.46	18.86	21.11	25.31	29.48	32.27	35.04	39.20
2.37	38	6.667	90	15.790	...	...	...	13.27	16.74	19.02	23.25	27.45	30.25	33.03	37.20
2.40	30	5.263	72	12.632	...	...	12.98	17.25	20.62	22.85	27.03	31.20	33.98	36.75	40.90
2.40	60	10.527	144	25.264	...	...	...	...	...	...	...	...	18.64	21.61	25.96
2.40	80	14.036	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.43	28	4.912	68	11.930	...	9.54	13.89	18.13	21.49	23.72	27.89	32.05	34.83	37.59	41.74
2.47	68	11.930	168	29.475	...	...	...	...	...	...	...	...	...	...	...
2.48	29	5.088	72	12.632	...	...	13.10	17.37	20.74	22.98	27.16	31.33	34.10	36.87	41.03
2.50	32	5.614	80	14.036	...	...	11.34	15.69	19.10	21.36	25.56	29.74	32.52	35.30	39.46
2.50	36	6.316	90	15.790	...	...	...	13.49	16.97	19.26	23.50	27.70	30.50	33.29	37.46
2.55	44	7.720	112	19.650	...	...	...	...	...	14.46	18.89	23.20	26.05	28.87	33.08
2.57	28	4.912	72	12.632	...	...	13.21	17.49	20.86	23.10	27.29	31.45	34.23	37.00	41.16
2.57	56	9.825	144	25.264	...	...	...	...	...	...	...	...	19.09	22.06	26.43
2.63	64	11.229	168	29.475	...	...	...	...	...	...	...	...	...	...	21.15
2.65	34	5.965	90	15.790	...	...	...	13.72	17.21	19.50	23.74	27.95	30.75	33.54	37.71
2.67	30	5.263	80	14.036	...	...	11.56	15.93	19.34	21.60	25.81	29.99	32.78	35.56	39.72
2.67	72	12.632	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.70	80	14.036	216	37.896	...	...	...	...	...	...	...	...	...	...	...
2.76	29	5.088	80	14.036	...	...	11.67	16.05	19.46	21.72	25.93	30.12	32.91	35.68	39.85
2.77	52	9.123	144	25.264	...	...	...	...	...	...	...	...	19.53	22.51	26.89
2.80	40	7.018	112	19.650	...	...	...	...	...	14.90	19.36	23.68	26.53	29.36	33.58
2.80	60	10.527	168	29.475	...	...	...	...	...	...	...	...	...	...	21.59
2.81	32	5.614	90	15.790	...	...	...	13.95	17.44	19.73	23.99	28.20	31.00	33.79	37.97
2.82	68	11.930	192	33.686	...	...	...	...	...	...	...	...	...	...	...
2.86	28	4.912	80	14.036	...	...	11.78	16.17	19.58	21.85	26.06	30.24	33.03	35.81	39.98
2.95	38	6.667	112	19.650	...	...	...	...	...	15.12	19.58	23.91	26.77	29.60	33.83
3.00	30	5.263	90	15.790	...	...	...	14.17	17.68	19.97	24.23	28.45	31.25	34.04	38.22
3.00	48	8.421	144	25.264	...	...	...	...	...	...	...	...	19.97	22.97	27.36
3.00	56	9.825	168	29.475	...	...	...	...	...	...	...	...	...	...	22.02
3.00	64	11.229	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.00	72	12.632	216	37.896	...	...	...	...	...	...	...	...	...	...	...
3.10	29	5.088	90	15.790	...	...	...	14.28	17.79	20.09	24.35	28.57	31.38	34.17	38.35
3.11	36	6.316	112	19.650	...	...	...	...	...	15.34	19.81	24.15	27.01	29.84	34.07
3.20	60	10.527	192	33.686	...	...	...	...	...	...	...	...	...	...	...
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2.25	32	5.614	72	12.632	47.55	51.69	54.46	61.35	70.74	75.71	83.16	90.33	98.60	106.87	120.66
2.25	40	7.018	90	15.790	43.88	48.03	50.80	57.70	67.10	72.07	79.53	86.70	94.98	103.25	117.04
2.25	64	11.229	144	25.264	32.59	36.81	39.62	46.59	56.05	61.05	68.54	75.74	84.04	92.33	106.15
2.27	30	5.263	68	11.930	48.39	52.53	55.30	62.19	71.57	76.54	83.99	91.16	99.43	107.71	121.49
2.29	28	4.912	64	11.229	49.23	53.37	56.13	63.03	72.41	77.38	84.82	91.99	100.26	108.54	122.32
2.33	48	8.421	112	19.650	39.56	43.73	46.51	53.44	62.86	67.84	75.30	82.49	90.77	99.05	112.85
2.33	72	12.632	168	29.475	27.65	31.95	34.81	41.86	51.39	56.42	63.93	71.16	79.47	87.78	101.62
2.35	29	5.088	68	11.930	48.52	52.66	55.43	62.33	71.71	76.68	84.12	91.29	99.57	107.84	121.63
2.35	34	5.965	80	14.036	46.12	50.27	53.04	59.94	69.33	74.30	81.75	88.92	97.20	105.47	119.26
2.37	38	6.667	90	15.790	44.14	48.29	51.06	57.97	67.36	72.34	79.79	86.97	95.24	103.52	117.31
2.40	30	5.263	72	12.632	47.81	51.95	54.72	61.62	71.00	75.98	83.42	90.60	98.87	107.14	120.93
2.40	60	10.527	144	25.264	33.08	37.30	40.11	47.10	56.56	61.57	69.06	76.26	84.56	92.86	106.68
2.40	80	14.036	192	33.686	- - -	26.89	29.82	37.02	46.66	51.72	59.28	66.54	74.89	83.22	97.08
2.43	28	4.912	68	11.930	48.66	52.80	55.56	62.46	71.84	76.81	84.26	91.43	99.70	107.98	121.76
2.47	68	11.930	168	29.475	28.11	32.43	35.28	42.35	51.89	56.92	64.44	71.67	79.99	88.30	102.14
2.48	29	5.088	72	12.632	47.94	52.09	54.85	61.75	71.14	76.11	83.56	90.73	99.00	107.28	121.06
2.50	32	5.614	80	14.036	46.39	50.53	53.30	60.20	69.59	74.57	82.02	89.19	97.47	105.74	119.53
2.50	36	6.316	90	15.790	44.40	48.55	51.32	58.23	67.63	72.60	80.06	87.23	95.51	103.79	117.58
2.55	44	7.720	112	19.650	40.07	44.24	47.02	53.96	63.38	68.36	75.83	83.01	91.30	99.58	113.39
2.57	28	4.912	72	12.632	48.08	52.22	54.99	61.89	71.27	76.24	83.69	90.86	99.14	107.41	121.20
2.57	56	9.825	144	25.264	33.56	37.79	40.61	47.60	57.07	62.08	69.57	76.78	85.08	93.38	107.20
2.63	64	11.229	168	29.475	28.57	32.90	35.76	42.84	52.39	57.42	64.95	72.18	80.50	88.82	102.67
2.65	34	5.965	90	15.790	44.65	48.81	51.58	58.49	67.89	72.87	80.32	87.50	95.78	104.06	117.85
2.67	30	5.263	80	14.036	46.65	50.79	53.56	60.47	69.86	74.83	82.29	89.46	97.73	106.01	119.80
2.67	72	12.632	192	33.686	- - -	27.79	30.74	37.97	47.63	52.71	60.28	67.54	75.90	84.24	98.12
2.70	80	14.036	216	37.896	- - -	22.16	25.32	32.85	42.73	47.86	55.51	62.82	72.23	79.60	93.51
2.76	29	5.088	80	14.036	46.78	50.92	53.69	60.60	69.99	74.97	82.42	89.59	97.87	106.15	119.94
2.77	52	9.123	144	25.264	34.04	38.28	41.10	48.10	57.58	62.59	70.09	77.30	85.60	93.91	107.73
2.80	40	7.018	112	19.650	40.57	44.75	47.53	54.47	63.90	68.89	76.35	83.54	91.83	100.12	113.92
2.80	60	10.527	168	29.475	29.03	33.37	36.24	43.33	52.89	57.93	65.46	72.69	81.02	89.34	103.19
2.81	32	5.614	90	15.790	44.91	49.07	51.84	58.75	68.15	73.13	80.59	87.77	96.04	104.33	118.12
2.82	68	11.930	192	33.686	23.63	28.19	31.15	38.41	48.09	53.18	60.76	68.03	76.39	84.73	98.61
2.86	28	4.912	80	14.036	46.91	51.05	53.82	60.73	70.12	75.10	82.55	89.73	98.00	106.28	120.07
2.95	38	6.667	112	19.650	40.82	45.00	47.79	54.73	64.16	69.15	76.62	83.80	92.09	100.38	114.19
3.00	30	5.263	90	15.790	45.17	49.32	52.10	59.02	68.42	73.40	80.85	88.03	96.31	104.59	118.39
3.00	48	8.421	144	25.264	34.52	38.77	41.59	48.60	58.09	63.10	70.60	77.81	86.12	94.43	108.26
3.00	56	9.825	168	29.475	29.49	33.84	36.71	43.81	53.38	58.43	65.96	73.20	81.53	89.86	103.71
3.00	64	11.229	192	33.686	24.14	28.69	31.65	38.91	48.60	53.69	61.27	68.55	76.91	85.26	99.15
3.00	72	12.632	216	37.896	- - -	23.01	26.19	33.76	43.67	48.82	56.48	63.81	72.22	80.61	94.53
3.10	29	5.088	90	15.790	45.30	49.45	52.23	59.15	68.55	73.53	80.99	88.17	96.44	104.73	118.52
3.11	36	6.316	112	19.650	41.07	45.25	48.04	54.99	64.42	69.41	76.88	84.07	92.36	100.65	114.45
3.20	60	10.527	192	33.686	24.49	29.08	32.06	39.34	49.06	54.15	61.75	69.03	77.40	85.75	99.64
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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



SELECTION

14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		966-14M	1190-14M	1400-14M	1610-14M	1778-14M	1890-14M	2100-14M	2310-14M	2450-14M	2590-14M	2800-14M
	No. Of Teeth	Pitch Dia. Inches	No. Of Teeth	Pitch Dia. Inches											
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05
3.21	28	4.912	90	15.790	...	...	...	14.40	17.91	20.21	24.47	28.69	31.50	34.29	38.48
3.23	52	9.123	168	29.475	...	...	...	...	...	...	...	...	...	...	22.46
3.27	44	7.720	144	25.264	...	...	...	...	...	...	...	17.29	20.41	23.42	27.82
3.29	34	5.965	112	19.650	...	...	...	...	...	15.56	20.04	24.39	27.25	30.09	34.32
3.38	64	11.229	216	37.896	...	...	...	...	...	...	...	...	...	...	...
3.43	56	9.825	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.50	32	5.614	112	19.650	...	...	...	...	13.25	15.77	20.27	24.62	27.49	30.33	34.56
3.50	48	8.421	168	29.475	...	...	...	...	...	...	...	...	...	...	22.89
3.60	40	7.018	144	25.264	...	...	...	...	...	...	...	17.71	20.85	23.86	28.28
3.69	52	9.123	192	33.686	...	...	...	...	...	...	...	...	...	...	...
3.73	30	5.263	112	19.650	...	...	...	...	13.46	15.99	20.50	24.85	27.72	30.57	34.81
3.79	38	6.667	144	25.264	...	...	...	...	...	...	...	17.92	21.06	24.09	28.51
3.82	44	7.720	168	29.475	...	...	...	...	...	...	...	...	...	...	23.32
3.86	29	5.088	112	19.650	...	...	...	...	13.57	16.10	20.61	24.97	27.84	30.69	34.93
3.86	56	9.825	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.00	28	4.912	112	19.650	...	...	...	...	13.67	16.21	20.72	25.09	27.96	30.81	35.05
4.00	36	6.316	144	25.264	...	...	...	...	...	...	...	18.13	21.28	24.31	28.74
4.00	48	8.421	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.20	40	7.018	168	29.475	...	...	...	...	...	...	...	...	...	18.87	23.75
4.24	34	5.965	144	25.264	...	...	...	...	...	...	...	18.34	21.50	24.53	28.97
4.36	44	7.720	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.42	38	6.667	168	29.475	...	...	...	...	...	...	...	...	...	19.08	23.97
4.50	32	5.614	144	25.264	...	...	...	...	...	...	...	18.55	21.72	24.76	29.20
4.50	48	8.421	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.67	36	6.316	168	29.475	...	...	...	...	...	...	...	...	...	19.28	24.18
4.80	30	5.263	144	25.264	...	...	...	...	...	...	...	18.76	21.93	24.98	29.43
4.80	40	7.018	192	33.686	...	...	...	...	...	...	...	...	...	...	...
4.91	44	7.720	216	37.896	...	...	...	...	...	...	...	...	...	...	...
4.94	34	5.965	168	29.475	...	...	...	...	...	...	...	...	...	19.48	24.39
4.97	29	5.088	144	25.264	...	...	...	...	...	...	...	18.86	22.04	25.09	29.54
5.05	38	6.667	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.14	28	4.912	144	25.264	...	...	...	...	...	...	...	18.97	22.15	25.20	29.66
5.25	32	5.614	168	29.475	...	...	...	...	...	...	...	...	...	19.69	24.61
5.33	36	6.316	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.40	40	7.018	216	37.896	...	...	...	...	...	...	...	...	...	...	...
5.60	30	5.263	168	29.475	...	...	...	...	...	...	...	...	...	19.89	24.82
5.65	34	5.965	192	33.686	...	...	...	...	...	...	...	...	...	...	...
5.65	38	6.667	216	37.896	...	...	...	...	...	...	...	...	...	...	...
5.79	29	5.088	168	29.475	...	...	...	...	...	...	...	...	...	19.99	24.93
6.00	28	4.912	168	29.475	...	...	...	...	...	...	...	...	...	20.09	25.03
6.00	32	5.614	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.00	36	6.316	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.35	34	5.965	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.40	30	5.263	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.62	29	5.088	192	33.686	...	...	...	...	...	...	...	...	...	...	...
6.75	32	5.614	216	37.896	...	...	...	...	...	...	...	...	...	...	...
6.86	28	4.912	192	33.686	...	...	...	...	...	...	...	...	...	...	...
Length Factor*					0.80	0.80	0.90	0.90	0.95	0.95	1.00	1.00	1.00	1.05	1.05

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

FEATURES/BENEFITS PAGE PT11-2	SPECIFICATIONS PAGE PT11-4	ENGINEERING/TECHNICAL PAGE PT11-64	
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14MM Pitch HT200 Belt Drive Selection Table

Speed Ratio	Sprocket Combinations				Center Distance, Inches										
	Driver		Driven		3150-14M	3360-14M	3500-14M	3850-14M	4326-14M	4578-14M	4956-14M	5320-14M	5740-14M	6160-14M	6860-14M
	No. of Teeth	Pitch Dia. Inches	No. of Teeth	Pitch Dia. Inches											
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
3.21	28	4.912	90	15.790	45.42	49.58	52.36	59.28	68.68	73.66	81.12	88.30	96.58	104.86	118.66
3.23	52	9.123	168	29.475	29.95	34.30	37.18	44.30	53.88	58.92	66.46	73.71	82.04	90.37	104.23
3.27	44	7.720	144	25.264	35.00	39.25	42.08	49.09	58.59	63.61	71.11	78.33	86.64	94.95	108.78
3.29	34	5.965	112	19.650	41.32	45.51	48.30	55.24	64.67	69.67	77.14	84.33	92.62	100.91	114.72
3.38	64	11.229	216	37.896	- - -	23.85	27.05	34.66	44.60	49.77	57.45	64.79	73.21	81.61	95.55
3.43	56	9.825	192	33.686	25.01	29.58	32.56	39.85	49.57	54.66	62.26	69.55	77.92	86.28	100.17
3.50	32	5.614	112	19.650	41.57	45.76	48.55	55.50	64.93	69.93	77.40	84.59	92.88	101.17	114.98
3.50	48	8.421	168	29.475	30.41	34.77	37.66	44.78	54.37	59.42	66.97	74.21	82.55	90.89	104.75
3.60	40	7.018	144	25.264	35.48	39.73	42.56	49.59	59.10	64.12	71.62	78.84	87.16	95.47	109.30
3.69	52	9.123	192	33.686	25.35	29.96	32.96	40.28	50.02	55.12	62.73	70.02	78.40	86.77	100.67
3.73	30	5.263	112	19.650	41.82	46.01	48.80	55.75	65.19	70.18	77.66	84.85	93.15	101.44	115.25
3.79	38	6.667	144	25.264	35.71	39.98	42.81	49.84	59.35	64.37	71.88	79.10	87.42	95.73	109.57
3.82	44	7.720	168	29.475	30.86	35.23	38.12	45.26	54.86	59.92	67.47	74.72	83.06	91.40	105.26
3.86	29	5.088	112	19.650	41.95	46.14	48.93	55.88	65.32	70.31	77.79	84.98	93.28	101.57	115.38
3.86	56	9.825	216	37.896	- - -	24.69	27.91	35.56	45.53	50.71	58.41	65.77	74.20	82.61	96.56
4.00	28	4.912	112	19.650	42.07	46.26	49.05	56.01	65.45	70.44	77.92	85.11	93.41	101.70	115.51
4.00	36	6.316	144	25.264	35.95	40.22	43.05	50.08	59.60	64.62	72.13	79.36	87.67	95.99	109.83
4.00	48	8.421	192	33.686	25.87	30.47	33.46	40.78	50.52	55.63	63.24	70.54	78.93	87.29	101.20
4.20	40	7.018	168	29.475	31.31	35.70	38.59	45.74	55.35	60.41	67.97	75.22	83.57	91.91	105.78
4.24	34	5.965	144	25.264	36.19	40.46	43.29	50.33	59.85	64.87	72.39	79.61	87.93	96.25	110.09
4.36	44	7.720	192	33.686	26.30	30.91	33.91	41.24	51.00	56.11	63.73	71.03	79.43	87.80	101.71
4.42	38	6.667	168	29.475	31.54	35.93	38.83	45.98	55.60	60.66	68.22	75.48	83.83	92.17	106.04
4.50	32	5.614	144	25.264	36.43	40.70	43.54	50.58	60.10	65.13	72.64	79.87	88.19	96.51	110.35
4.50	48	8.421	216	37.896	- - -	25.53	28.76	36.45	46.46	51.66	59.37	66.74	75.19	83.60	97.57
4.67	36	6.316	168	29.475	31.76	36.16	39.06	46.22	55.84	60.91	68.47	75.73	84.08	92.42	106.30
4.80	30	5.263	144	25.264	36.66	40.94	43.78	50.82	60.35	65.38	72.90	80.12	88.45	96.77	110.61
4.80	40	7.018	192	33.686	26.73	31.35	34.36	41.70	51.48	56.60	64.22	71.53	79.93	88.30	102.22
4.91	44	7.720	216	37.896	- - -	25.95	29.19	36.89	46.92	52.13	59.85	67.22	75.68	84.10	98.07
4.94	34	5.965	168	29.475	31.99	36.39	39.29	46.46	56.08	61.15	68.72	75.98	84.33	92.68	106.56
4.97	29	5.088	144	25.264	36.78	41.06	43.90	50.94	60.47	65.50	73.02	80.25	88.58	96.90	110.74
5.05	38	6.667	192	33.686	26.94	31.57	34.58	41.93	51.72	56.84	64.47	71.78	80.18	88.55	102.47
5.14	28	4.912	144	25.264	36.90	41.18	44.02	51.07	60.60	65.63	73.15	80.38	88.71	97.03	110.87
5.25	32	5.614	168	29.475	32.22	36.62	39.53	46.69	56.33	61.40	68.97	76.23	84.59	92.93	106.81
5.33	36	6.316	192	33.686	27.16	31.80	34.81	42.17	51.95	57.08	64.71	72.02	80.43	88.80	102.73
5.40	40	7.018	216	37.896	- - -	26.36	29.62	37.34	47.38	52.59	60.33	67.71	76.17	84.59	98.57
5.60	30	5.263	168	29.475	32.44	36.85	39.76	46.93	56.57	61.64	69.22	76.48	84.84	93.19	107.07
5.65	34	5.965	192	33.686	27.26	31.94	34.97	42.35	52.16	57.29	64.93	72.25	80.65	89.04	102.96
5.65	38	6.667	216	37.896	- - -	26.57	29.83	37.56	47.61	52.83	60.56	67.95	76.41	84.84	98.82
5.79	29	5.088	168	29.475	32.55	36.96	39.87	47.05	56.69	61.77	69.34	76.61	84.97	93.32	107.20
6.00	28	4.912	168	29.475	32.67	37.08	39.99	47.17	56.81	61.89	69.46	76.73	85.09	93.44	107.33
6.00	32	5.614	192	33.686	27.59	32.24	35.25	42.63	52.43	57.56	65.20	72.52	80.92	89.31	103.23
6.00	36	6.316	216	37.896	- - -	26.78	30.04	37.78	47.85	53.06	60.80	68.19	76.66	85.09	99.07
6.35	34	5.965	216	37.896	- - -	26.99	30.25	38.00	48.08	53.30	61.04	68.43	76.90	85.33	99.32
6.40	30	5.263	192	33.686	27.80	32.46	35.48	42.86	52.67	57.80	65.44	72.76	81.17	89.56	103.49
6.62	29	5.088	192	33.686	27.79	32.49	35.53	42.93	52.75	57.89	65.54	72.86	81.28	89.66	103.60
6.75	32	5.614	216	37.896	- - -	27.20	30.47	38.22	48.30	53.53	61.28	68.67	77.15	85.58	99.58
6.86	28	4.912	192	33.686	28.01	32.67	35.70	43.09	52.90	58.04	65.68	73.01	81.42	89.81	103.74
Length Factor*					1.05	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

Center distance is greater than eight times the Small Sprocket and the Large Sprocket is not flanged.
Large Sprocket should be ordered with flanges as a special.

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

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SELECTION

20MM Ratio/Center Distance Tables

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

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

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SELECTION



20MM Ratio/Center Distance Tables

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

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

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20MM Ratio/Center Distance Tables

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

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

SELECTION



20MM Ratio/Center Distance Tables

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

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

V-Drives

FHP Drives

Drive Component Accessories

DYNA-SYNC

HT200/HTD Synchronous Drives

HT500 Synchronous Drives

Roller Chain Sprockets

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ENGINEERING/TECHNICAL



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:

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

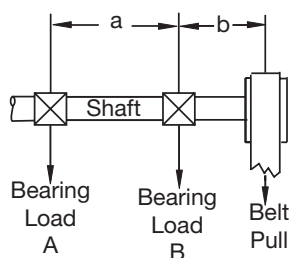
Where: DHP = Design Horsepower

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.



Overhung Sheave

$$\text{Load at B, lbs.} = \frac{\text{Belt Pull} \times (a + b)}{a}$$

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.

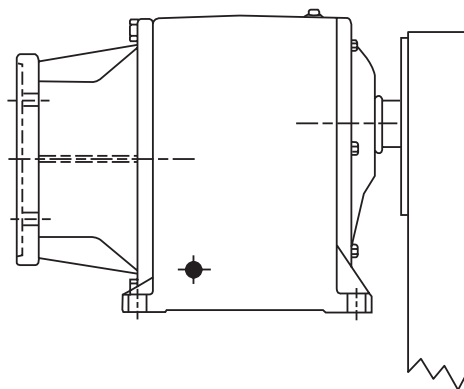


Fig. 2

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.



HT/HTD Drive Installation

SPROCKET INSTALLATION

- 1. Thoroughly inspect the bore of the sprocket and the tapered surface of the bushing. Any paint, dirt, oil or grease must be removed.
- 2. Assemble bushing into sprocket. Loosely insert the screws into assembly. At least one sprocket must have flanges.
- 3. With key in keyseat of shaft, slide sprocket to its desired position with screw heads to the outside. If it is hard to slide the bushing onto the shaft, check shaft for burrs, etc.
- 4. Line up assembly so as not to misalign belts and tighten screws evenly and progressively. Apply the recommended torque to screws.

SPROCKET ALIGNMENT

HT/HTD sprocket alignment and parallelism of the shafts are very important. Proper alignment helps to equalize the load across the entire belt width, thereby reducing wear and extending belt life.

Place a straightedge against the outside edge of the sprockets and move sprockets until the straightedge touches the two outside and two inside edges of the sprockets. The straightedge should cross the sprockets as close to the shafts as possible. A string can be used if a straightedge is not available. Remember the string should contact at four points as explained above. (See illustration on page PT11-66.

After aligning the sprockets, check the rigidity of the supporting framework. Shafts should be well supported to prevent distortion and a resulting change in the center distance under load. Do not use spring-loaded or weighted idlers. Idler sprockets or pulleys must be locked into position after adjusting belt tension.

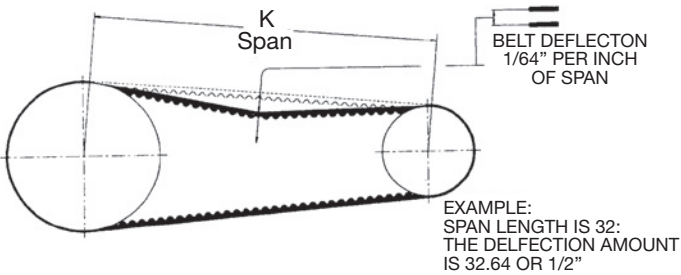
BELT INSTALLATION & TENSIONING

Do not pry or otherwise force the belt onto the sprockets, as this can result in permanent damage to the belt. Reduce the center distance between the pulleys so that the belt can be easily installed.

HT 200 drives must be properly tensioned. If the belt is too loose, it may jump teeth when heavier loads are applied. If the belt is too tight, belt life will suffer, and bearings will be unnecessarily overloaded. Improper tension can result in excessive drive noise.

Tensioning procedure: First, measure the span length and calculate the deflection distance of 1/64, per inch span (see illustration).

Use the formula method on page PT11-66 to calculate recommended deflection forces.

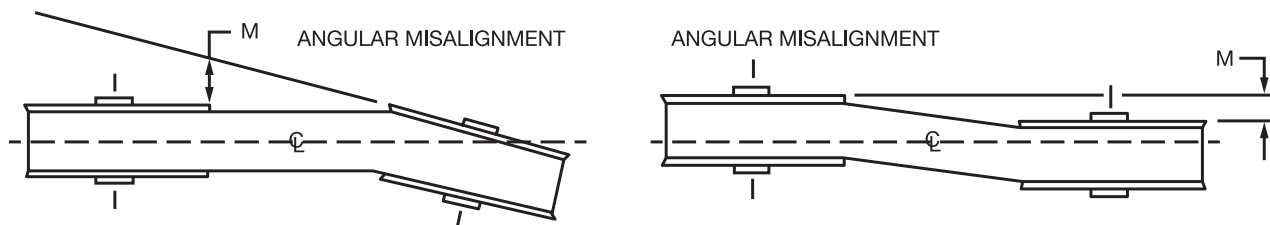


Apply a force (from the table) at the center of the span. Measure the deflection with this force applied. Move the center distance until the proper deflection is obtained.



ENGINEERING/TECHNICAL

Drive Alignment



Good tracking of synchronous belts on their sprockets depends upon alignment to within 1/4 degree. This translates to a maximum "M" dimension of 0.05" per foot center distance.

Drive Tensioning

Formula Method

The formula method for determining belt tension may be used for greater accuracy, or for applications that fall out of guidelines given for the Simplified Method on page PT11-65.

Step 1. Calculate Min. Installation Tension:

$$\text{Formula 1: } T = \frac{20 (\text{HP})}{V} + mV^2$$

Where: HP = Horsepower

$$V = \frac{\text{Belt Velocity (in FPM)}}{1000}$$

m = Value in Table 1
 Belt Velocity = PD x RPM x .262
 (PD = Pitch Dia. in inches)

***Important!** If formula calculation for "T" is less than "Min T. Value" (Table 1) use the "Min T. Value" for T. Always use the greater T value: i.e. from T Formula 1 or Table 1.

Step 2. Calculate Deflection Forces:

$$\text{Formula 2: Min Force} = \frac{1.0T + (K/L)Y}{16} \text{ (lbs)}$$

$$\text{Formula 3: Max Force} = \frac{1.1T + (K/L)Y}{16} \text{ (lbs)}$$

Note: For used belt, use 0.7T to 0.8T instead of the 1.0T and 1.1T for new belts.

T = Static tension, lbs
 K = Span length, inches
 L = Belt length, inches
 Y = Factor from Table 1

Step 3. Adjust tension per Simplified Method Procedure on page PT11-65 using deflection forces from Step 2.

Table 1

Belt		Factors		Min. T
Pitch	Width	m	Y	Value*
5MM	15MM	0.28	24.9	14.1
5MM	25MM	0.47	41.5	23.4
8MM	20MM	0.58	34.2	18.5
8MM	30MM	0.88	51.3	30.0
8MM	50MM	1.46	85.5	52.0
8MM	85MM	2.45	145.3	94.5
14MM	40MM	1.78	93.0	76.5
14MM	55MM	2.44	127.9	120.0
14MM	85MM	3.77	197.7	205.5
14MM	115MM	5.11	267.5	291.0
14MM	170MM	7.55	395.4	447.0
20MM	115MM	7.24	367.0	391.5
20MM	170MM	10.71	542.5	603.0
20MM	230MM	14.49	734.0	834.0
20MM	290MM	18.27	925.4	1065.0
20MM	340MM	21.42	1085.0	1257.5



DODGE Software

Computer Selection of DODGE Synchronous Belt Drives

VIA-SYNC®

Synchronous Belt Drive Selection

For any given synchronous drive application, there may be several DODGE HT/HTD* or DODGE DYNA-SYNC® product combinations that could satisfy the requirements. Finding the best drive can be a time-consuming and frustrating task.

The DODGE VIA-SYNC program provides selections for DYNA-SYNC (timing) and HT/HTD drives and includes both TAPER-LOCK® and QD* type sprockets. All relevant data for up to ten alternative drive selections is presented in a format that allows quick and accurate analysis, whether based upon lowest price, minimum bearing load, highest service factor, etc.

VIA-SYNC calculates speed up drives or drives for nonstandard motor speeds. The most appropriate selection can then be specified using the computer printout, which contains sprocket, bushing and belt sizes and part numbers.

VIA-SYNC has the capability of sharing data with DODGE T-A DISCOVERY™ or DODGE SCD DISCOVERY™ programs.

DRIVE TROUBLESHOOTING

Problem	Cause	Remedy
Unusual Noise	Misaligned drive	Re-adjust alignment
	Hi or Low belt tension	Adjust to recommended value
	Backside idler	Use inside idler
	Worn sprocket	Replace sprocket
	Bent sprocket flange	Replace or repair
	Excessive belt speed	Redesign drive
	Incorrect belt profile	Replace with DODGE belt
	Subminimal spkt. dia.	Redesign with larger spkts.
	Excessive load	Use higher capacity drive
Loss of Belt Tension	Weak mntg. structure	Reinforce mounting structure
	Excessive spkt. wear	Use wear-resistant sprockets
	Fixed center drive	Install inside idler
	Excessive debris	Install adequate drive guard.
	Excessive load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign drive
Belt Edge Wear	Drive running hot	Use heat fingers on hot shaft
	Belt degradation	Protect from excessive heat
	Damaged flanges	Repair or replace sprocket
	Low belt tension	Adjust to recommended value
Pre-mature Tooth Wear	Poor tracking	Correct alignment
	Guard interference	Remove obstruction, add idler
	Improper tension	Correct drive tension
	Poor alignment	Correct drive alignment
	Wrong belt type	Use correct DODGE belt
	Worn sprocket	Replace
	Damaged sprocket	Replace
	Excessive load	Use higher capacity drive
	Dirt or debris	Install adequate drive guard
	Sprocket wobble	Correct bushing installation

Problem	Cause	Remedy
Tooth Shear	Shock loads	Use higher capacity drive
	Few teeth in mesh	Redesign drive
	Worn sprocket	Replace
	Backside idler	Use inside idler
	Wrong belt profile	Use correct DODGE belt
	Low belt tension	Adjust to recommended value
Tensile Break	Shock load	Use higher capacity drive
	Subminimal spkt. dia.	Redesign with larger spkts.
	Debris in drive	Install adequate drive guard
	Improper belt handling, storage	Do not crimp belt or subject it to sharp bends
Belt Cracking	Subminimal spkt. dia.	Redesign with larger spkts.
	Backside idler	Install inside idler
	Start-up temp below 180 degrees F	Preheat drive before start-up
	Extended exposure to harsh chemicals	Protect drive
Bearing Failure	Excessive belt tension	Adjust to recommended value
	Drive misalignment	Re-adjust alignment
	Subminimal spkt. dia.	Redesign with larger spkts.
Vibration	Wrong belt profile	Install correct DODGE belt
	Hi or Low belt tension	Adjust to recommended value
	Loose key or bushing	Install per instructions
	Loose mounting structure	Reinforce or tighten
Belt not Tracking	Misalignment	Re-adjust alignment
	Long center distance	Carefully adjust alignment
	Mtg. structure bending	Reinforce mounting structure



NOTES

V-Drives

FHP Drives

Drive Component
Accessories

DYNA-SYNC

HT200/HTD
Synchronous Drives

HT500
Synchronous Drives

Roller Chain Sprockets