

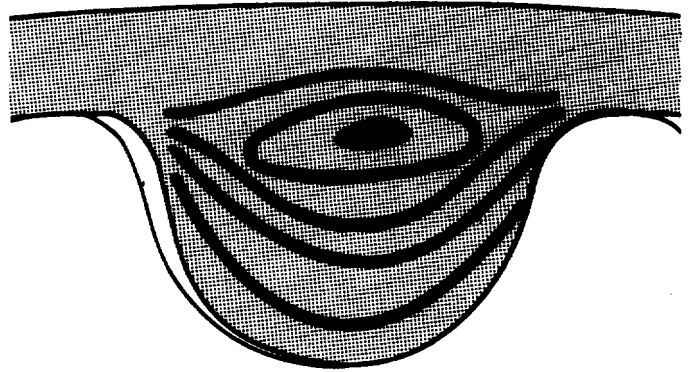
## FENNER HTD

This development of the original Timing Drive is offered in a range of pitches 5mm, 8mm and 14mm. Comprehensive choice of belt widths and lengths combine with an optimised range of Taper Lock pulleys to suit general industrial needs.

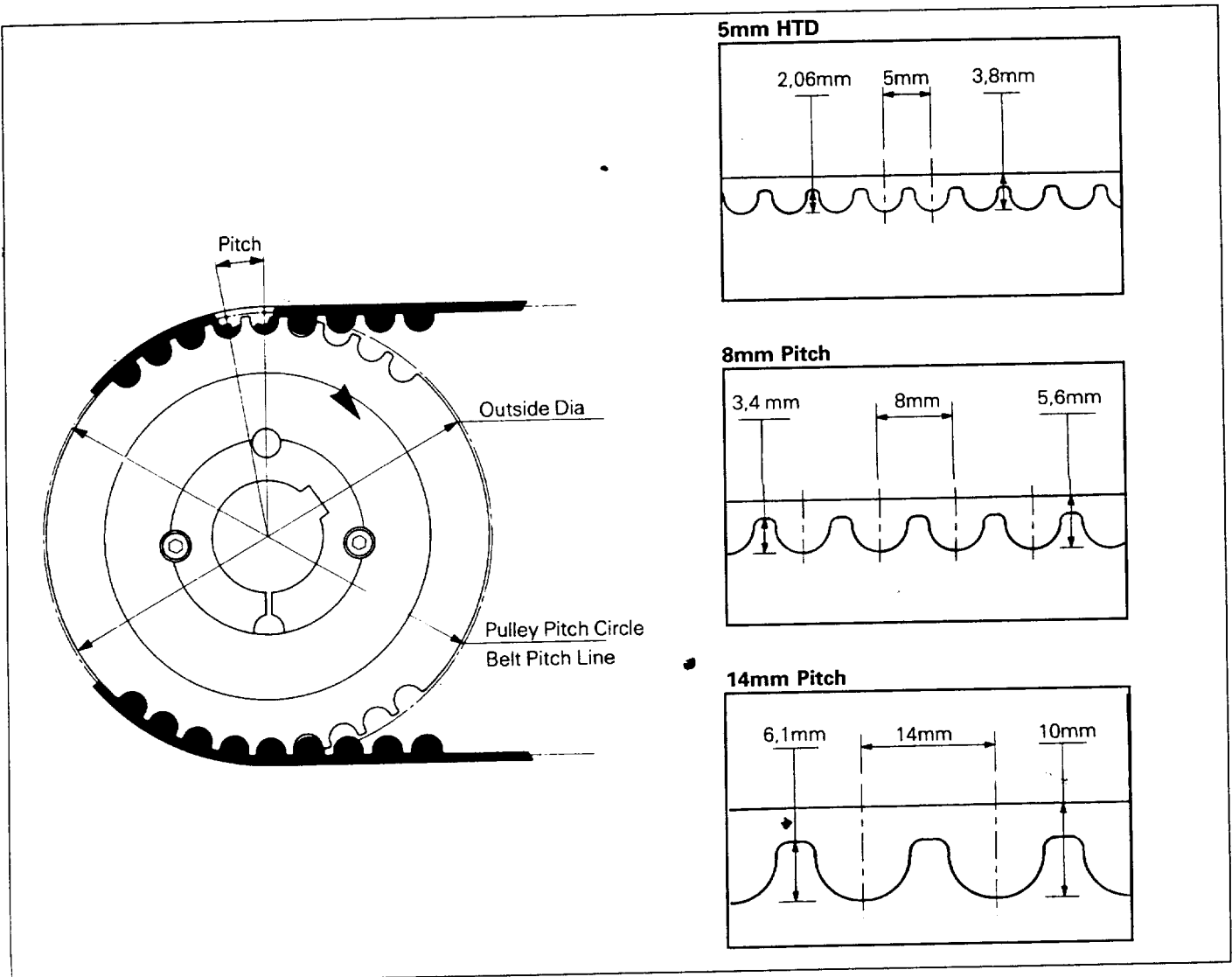
Drives can be designed by simple catalogue selection methods to give more compact drives, less noise and lower bearing loads than with classical Timing Drives.

**Fenner HTD** drives offer the technical and economical benefits of an established product range with proven performance and world wide stocks.

**Fenner HTD** belts have a curvilinear tooth form giving a more uniform distribution of shear stresses within the teeth and a transition of tooth loads to the tensile members in the belt which significantly improves upon classical timing belts.



SYNCHRONOUS  
BELT DRIVES



# HTD Drives

## ORDERING INSTRUCTIONS

Each complete drive consists of five components: two pulleys, two Taper Lock bushes, and one belt.

- (1) **Pulleys.** The eight digit pulley code is given on the dimension pages 78 to 80.
- (2) **Taper Lock Bushes.** The eight digit codes are given on the Taper Lock Shaft Fixings pages 118 & 119.
- (3) **Belt.** The belt code is given below.

*Example:* The specification for the drive selected on page 67 would be

Driving Pulley	38 – 14M – 85mm	Code 043 R 0038
Taper Lock Bush	3020/55mm	Code 029 P 0055
Driven Pulley	80 – 14M – 85mm	Code 043 R 0080
Taper Lock Bush	3525/55mm	Code 029 J 0055
Belt	1778 – 14M – 85mm	Code 278 R 0177

## 5mm PITCH HTD BELTS

Pitch Length mm	9mm WIDE*	15mm WIDE
	Catalogue Code	Catalogue Code
305	278E0030	278F0030
325	032	032
350	035	035
400	040	040
450	045	045
500	050	050
575	057	057
640	064	064
700	070	070
800	080	080
890	089	089
980	098	098
1100	110	110
1200	120	120
1420	142	142
1595	159	159
1800	180	180
2000	200	200
2250	225	225
2525	252	252

\* 9mm wide belts not carried on stock.

## 8mm PITCH HTD BELTS

Pitch Length mm	20mm WIDE	30mm WIDE	50mm WIDE	85mm WIDE
	Catalogue Code	Catalogue Code	Catalogue Code	Catalogue Code
480	278J0048	278K0048	278L0048	278M0048
560	0056	0056	0056	0056
600	0060	0060	0060	0060
640	0064	0064	0064	0064
720	0072	0072	0072	0072
800	0080	0080	0080	0080
880	0088	0088	0088	0088
960	0096	0096	0096	0096
1040	0104	0104	0104	0104
1120	0112	0112	0112	0112
1200	0120	0120	0120	0120
1280	0128	0128	0128	0128
1440	0144	0144	0144	0144
1600	0160	0160	0160	0160
1760	0176	0176	0176	0176
1800	0180	0180	0180	0180
2000	0200	0200	0200	0200
2400	0240	0240	0240	0240
2600	0260	0260	0260	0260
2800	0280	0280	0280	0280

## 14mm PITCH HTD BELTS

Pitch Length mm	40mm WIDE	55mm WIDE	85mm WIDE	115mm WIDE*	170mm WIDE*
	Catalogue Code	Catalogue Code	Catalogue Code	Catalogue Code	Catalogue Code
966	278N0096	278P0096	278R0096	278S0096	278T0096
1190	0119	0119	0119	0119	0119
1400	0140	0140	0140	0140	0140
1610	0161	0161	0161	0161	0161
1778	0177	0177	0177	0177	0177
1890	0189	0189	0189	0189	0189
2100	0210	0210	0210	0210	0210
2310	0231	0231	0231	0231	0231
2450	0245	0245	0245	0245	0245
2590	0259	0259	0259	0259	0259
2800	0280	0280	0280	0280	0280
3150	0315	0315	0315	0315	0315
3500	0350	0350	0350	0350	0350
3850	0385	0385	0385	0385	0385
4326	0432	0432	0432	0432	0432
4578	0457	0457	0457	0457	0457

\* 14mm pitch, 115mm and 170mm wide belts and pulleys are non-standard. For availability consult FPT.

## TEMPERATURE

HTD belt performance is generally unaffected in ambient temperatures between  $-34^{\circ}\text{C}$  and  $+100^{\circ}\text{C}$ .

Temperatures beyond these extremes should be referred to FPT.

For storage, belts should be protected from moisture, temperature extremes, direct sunlight and high ozone concentrations. Belts should be stored in their original packing, avoiding sharp bends or crimping which would damage the belts.

SYNCHRONOUS  
BELT DRIVES

## SELECTION PROCEDURE

### (a) Speed Ratio

Divide the rev/min of the faster shaft by the rev/min of the slower shaft to obtain the speed ratio.

### (b) Service Factor

From the table below select the **service factor** which is applicable to the drive. If the drive is speed increasing an additional factor may be required.

### (c) Design Power

Multiply the normal running power (kW) by the Service factor. This gives the **design power** which is used as the basis for selecting the drive.

### (d) Belt Pitch

Refer to the belt pitch selection chart on page 68. Choose the recommended **belt pitch** according to the point of intersection of the Design Power and the rev/min of the faster shaft.

### (e) Pulley Selection

Refer to the drive tables (pages 70 to 77) for the pitch of belt selected in (d). From the first column select the required Speed Ratio. Reading along the same horizontal line the next two columns give the number of grooves on each pulley. Where more than one combination of pulleys is available consult the Power Ratings tables (page 69) and the list of stock belt widths (page 66). In conjunction with the Design Power found in (c) determine the most suitable drive.

### (f) Centre Distance

Using the relevant drive table read along the same horizontal line as that showing the pulley sizes, and select a **centre distance** nearest to that which is required. The belt required to give this centre distance is shown at the head of the column.

### (g) Belt Length Correction Factor

From the table on page 68 note the **correction factor** for the pitch and length of belt chosen.

### (h) Power Rating

Refer to the Power Ratings on page 69 for the pitch of belt being considered. Read down the left hand column to the speed of the small pulley in rev/min. On this line read across to the column headed by the number of grooves on the small pulley and note the basic power rating. Multiply this figure by the belt length correction factor (g) to obtain the actual power rating.

### (j) Belt Width

Divide the Design Power found in step (c) by the actual power rating found in step (h) to obtain the belt width factor. Using the table below the power ratings, select a belt width which has a width factor equal to or greater than the figure found above.

### (k) Pulley Bores

Refer to the pulley dimensions (pages 78 to 80) and check that the Taper Lock<sup>®</sup> Bush sizes in the pulleys selected can accommodate the shafts they are to fit.

### (l) Pulley Ranges

If standard pulleys are to be used, (i.e. those combinations shown in the selection tables) on the majority of drives it will be found that at least one pulley is flanged as standard. If non-standard pulleys are to be used (i.e. those combinations not shown in the selection tables) one pulley requires to be flanged, and it is usually more economical to flange the smaller one. If the centre distance exceeds 8 times the outside diameter of the small pulley, or if shafts are vertical, both pulleys should be flanged.

## EXAMPLE

An HTD drive is required to drive a rotary pump at 685 rev/min. The prime mover is a 30kW, direct-on-line start AC motor, running at 1440 rev/min. The required centre distance is 450mm, and each shaft diameter is 55mm. Continuous duty.

### (a) Speed Ratio

$$\frac{1440}{685} = 2,10:1.$$

### (b) Service Factor

From table (below) the service factor is 1,9.

### (c) Design Power

$$\text{Design Power} = 30 \times 1,9 = 57\text{kW.}$$

### (d) Belt Pitch

From table on page 68, 14M is the most suitable pitch.

### (e) Pulley Selection

A speed ratio of 2,11 can be found in the drive tables on page 76 utilising pulleys of 38 and 80 grooves.

### (f) Centre Distance

Reading along the same line as the 2,11:1 Speed ratio, a centre distance of 467mm is found, and at the head of the column the belt length given is 1778mm.

### (g) Belt Length Correction Factor

From table on page 68 Belt Length Correction Factor = 0,95.

### (h) Power Rating

From the power rating table the basic capacity of a 38 groove pulley at 1440 rev/min is 25,70kW/40mm width. Actual power rating =  $25,70 \times 0,95 = 24,41$  kW.

### (j) Belt width

$$\text{Belt Width Factor} = \frac{57}{24,41} = 2,33$$

From the width factor table beneath the power rating table it can be seen that the required width is 85mm.

### (k) Pulley Bores

From the pulley dimension tables, both pulleys are fitted with Taper Lock<sup>®</sup> Bushes which will accommodate 55mm bores.

### (l) Pulley Flanges

The 38 groove pulley is flanged as standard.

## DRIVE SPECIFICATION

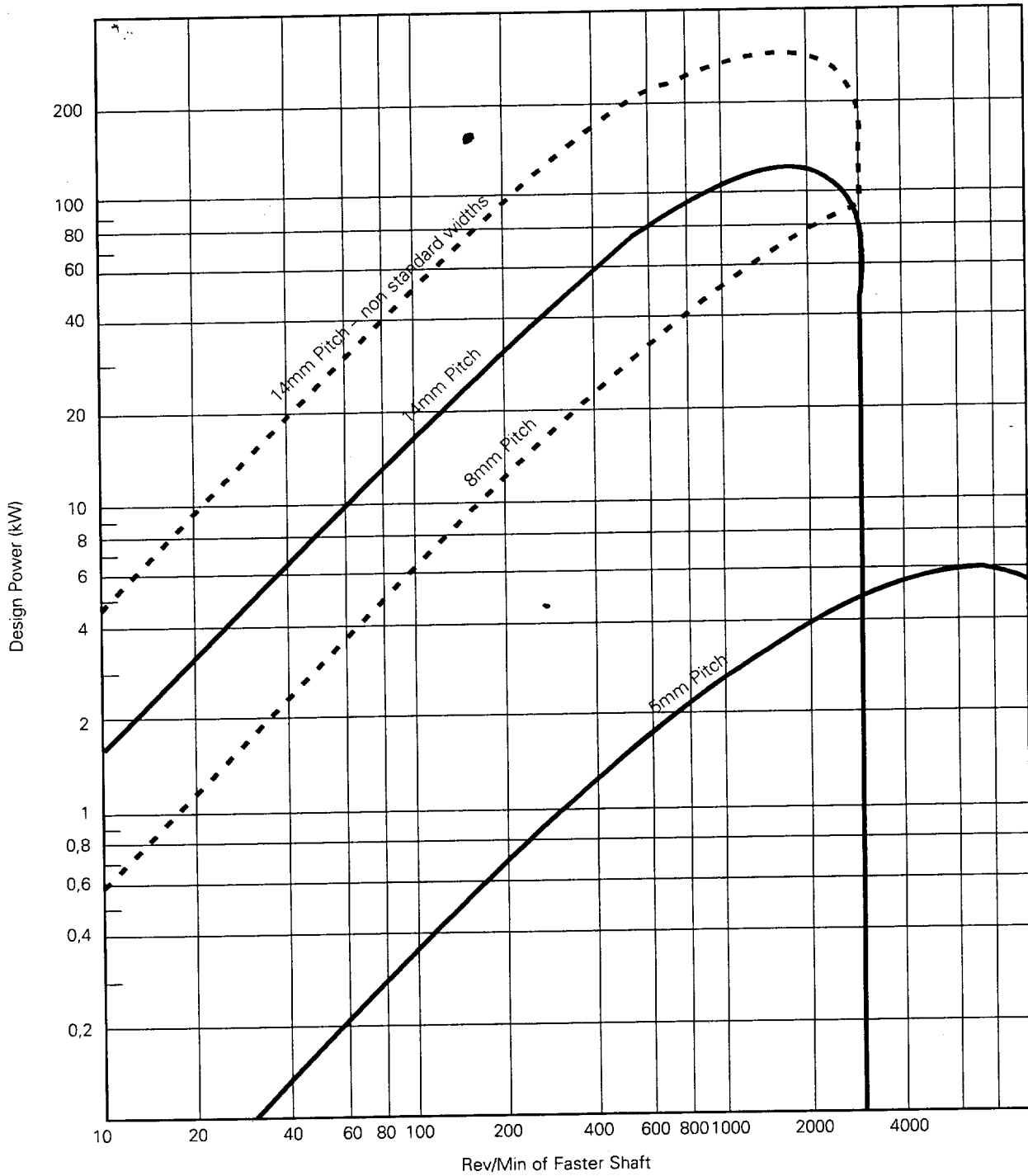
38 -14M -85mm  
3020/55mm  
80 - 14M - 85mm  
3525/55mm  
1778 -14M -85mm belt giving  
467mm centres.

## SERVICE FACTORS

- SPECIAL CASES	TYPES OF PRIME MOVER					
	'SOFT' STARTS			'HEAVY' STARTS		
	Electric Motor AC - Star Delta start DC - Shunt wound Internal Combustion Engines with 4 or more cylinders, all prime movers fitted with Centrifugal Clutches, Dry or Fluid couplings or Electronic Soft Start devices.			Electric motors AC - Direct-on-line start DC - Series & Compound Wound Internal Combustion Engines with less than 4 cylinders. Prime movers not fitted with soft start devices.		
TYPES OF DRIVEN MACHINE	Hours per day duty			Hours per day duty		
	10 and under	Over 10 to 16	Over 16	10 and under	Over 10 to 16	Over 16
For speed increasing drives of: 1,00 to 1,24 ratio no additional factor required 1,25 to 1,74 * multiply service factor by 1,05 1,75 to 2,49 * * * * * 1,11 2,50 to 3,49 * * * * * 1,18 3,50 and over * * * * * 1,25 For drives subject to heavy pulsating loads - Consult FPT						
<b>LIGHT DUTY</b> Agitators (uniform density), Belt Conveyors (uniformly loaded), Blowers, Exhausters and Fans (up to 7,5kW), Centrifugal Compressors and Pumps	1,2	1,3	1,4	1,5	1,6	1,7
<b>MEDIUM DUTY</b> Agitators and Mixers (variable density), Belt Conveyors (not uniformly loaded), Blowers, Exhausters and Fans (over 7,5kW), Kilns, Laundry machinery, Line Shafts, Machine tools, Printing machinery, Rotary Compressors and Pumps, Sawmills and Woodworking machinery, Screens (rotary).	1,3	1,4	1,6	1,6	1,7	1,9
<b>HEAVY DUTY</b> Brick machinery, Bucket Elevators, Compressors and Pumps (reciprocating), Conveyors (heavy duty), Hoists, Quarry Plant, Rubber machinery, Screens (vibrating), Textile machinery.	1,4	1,6	1,7	1,7	1,9	2,0

# HTD Drive Design

## BELT PITCH SELECTION CHART



## BELT LENGTH CORRECTION FACTORS

Pitch	Belt Length (mm)	Correction Factor				
		0.8	0.9	1.0	1.1	1.2
5mm Pitch	305 325 350 400	0.8	0.9	1.0	1.1	1.2
	450 500					
5mm Pitch	575 640 700 800	0.8	0.9	1.0	1.1	1.2
	890 980 1100 1200					
5mm Pitch	1270 1595 2000 2525	0.8	0.9	1.0	1.1	1.2
	1420 1800 2250					
8mm Pitch	480 560 600	0.8	0.9	1.0	1.1	1.2
	640 720 800 880					
8mm Pitch	960 1040 1120 1200	0.8	0.9	1.0	1.1	1.2
	1280 1440 1600 1760					
8mm Pitch	1800 2000 2400 2600 2800	0.8	0.9	1.0	1.1	1.2
14mm Pitch	966 1190	0.8	0.9	0.95	1.0	1.05
	1400 1610					
14mm Pitch	1778 1890	0.8	0.9	0.95	1.0	1.05
	2100 2310 2450					
14mm Pitch	2590 2800 3150	0.8	0.9	0.95	1.0	1.05
	3500 3850 4326 4578					

# HTD Drive Design

## POWER RATINGS (kW) FOR 15mm WIDE 5M BELT

Rev/min of small pulley	Number of grooves											
	28	32	34	36	38	40	44	48	56	64	72	80
20	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.06	0.08
40	0.04	0.06	0.06	0.06	0.06	0.08	0.08	0.09	0.09	0.11	0.13	0.15
60	0.06	0.08	0.08	0.09	0.09	0.09	0.11	0.13	0.15	0.17	0.19	0.23
100	0.09	0.11	0.13	0.13	0.15	0.17	0.19	0.21	0.25	0.28	0.32	0.36
200	0.21	0.25	0.26	0.28	0.30	0.32	0.38	0.43	0.51	0.59	0.64	0.72
300	0.26	0.32	0.36	0.38	0.42	0.43	0.51	0.57	0.68	0.77	0.87	0.96
400	0.34	0.40	0.43	0.47	0.51	0.55	0.62	0.70	0.83	0.95	1.06	1.17
500	0.40	0.47	0.51	0.55	0.59	0.64	0.72	0.81	0.96	1.10	1.25	1.38
600	0.45	0.55	0.59	0.62	0.68	0.72	0.81	0.93	1.10	1.25	1.42	1.57
720	0.51	0.62	0.66	0.72	0.77	0.81	0.95	1.06	1.25	1.42	1.61	1.78
800	0.57	0.66	0.72	0.77	0.83	0.89	1.00	1.13	1.34	1.53	1.72	1.91
960	0.64	0.76	0.79	0.83	0.89	0.95	1.15	1.29	1.53	1.74	1.95	2.15
1000	0.66	0.79	0.87	0.91	0.98	1.04	1.19	1.32	1.57	1.80	2.00	2.23
1200	0.76	0.89	0.96	1.04	1.12	1.19	1.34	1.49	1.78	2.02	2.27	2.46
1440	0.87	1.02	1.12	1.19	1.27	1.36	1.53	1.70	2.00	2.29	2.57	2.84
1600	0.95	1.12	1.19	1.29	1.36	1.46	1.64	1.83	2.11	2.46	2.76	3.06
2000	1.12	1.30	1.40	1.49	1.61	1.70	1.91	2.14	2.51	2.85	3.19	3.52
2400	1.22	1.47	1.59	1.70	1.83	1.97	2.17	2.40	2.84	3.21	3.57	3.93
2880	1.44	1.70	1.83	1.97	2.08	2.19	2.44	2.70	3.16	3.57	4.01	4.33
4000	1.81	2.12	2.27	2.40	2.55	2.70	3.01	3.31	3.80	4.23	4.61	4.91
5000	2.10	2.44	2.59	2.76	2.91	3.08	3.38	3.69	4.18	4.54	4.80	4.95
6000	2.36	2.70	2.87	3.04	3.19	3.36	3.67	3.93	4.35	4.55	4.59	4.46
8000	2.76	3.10	3.25	3.38	3.52	3.65	3.84	3.97	3.97	3.55		
10000	2.99	3.23	3.31	3.40	3.44	3.48	3.44	3.27				

Belt width mm	9	15
Width factor	0.53	1.00

## POWER RATINGS (kW) FOR 20mm WIDE 8M BELT

Rev/min of small pulley	Number of grooves															
	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
10	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11
20	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.14	0.16	0.18	0.20	0.23	0.23
50	0.08	0.09	0.11	0.13	0.16	0.18	0.21	0.23	0.27	0.28	0.31	0.34	0.40	0.45	0.51	0.56
100	0.16	0.19	0.22	0.27	0.31	0.36	0.41	0.47	0.54	0.56	0.62	0.68	0.79	0.90	1.02	1.13
200	0.33	0.37	0.45	0.53	0.62	0.72	0.82	0.93	1.05	1.13	1.24	1.34	1.54	1.73	1.93	2.12
300	0.49	0.53	0.65	0.77	0.90	1.04	1.19	1.34	1.51	1.64	1.78	1.93	2.21	2.50	2.77	3.05
400	0.65	0.71	0.84	0.99	1.16	1.34	1.54	1.74	1.96	2.12	2.31	2.50	2.87	3.23	3.59	3.94
500	0.81	0.89	1.02	1.21	1.42	1.64	1.88	2.13	2.40	2.59	2.82	3.05	3.50	3.94	4.37	4.80
600	0.98	1.07	1.21	1.43	1.68	1.94	2.21	2.51	2.82	3.05	3.32	3.59	4.11	4.63	5.13	5.63
720		1.28	1.42	1.69	1.98	2.28	2.61	2.94	3.32	3.59	3.90	4.22	4.83	5.43	6.02	6.60
800		1.42	1.56	1.85	2.17	2.50	2.86	3.24	3.64	3.94	4.28	4.63	5.30	5.95	6.60	7.23
960				2.18	2.55	2.94	3.36	3.81	4.28	4.62	5.03	5.43	6.21	6.97	7.72	8.44
1000				2.26	2.64	3.05	3.49	3.95	4.44	4.80	5.22	5.63	6.44	7.23	7.99	8.74
1200				2.65	3.11	3.59	4.09	4.63	5.21	5.63	6.12	6.60	7.53	8.44	9.32	10.17
1440					3.65	4.21	4.80	5.43	6.12	6.60	7.16	7.72	8.79	9.83	10.82	11.79
1600						4.61	5.26	5.95	6.70	7.23	7.84	8.44	9.61	10.72	11.79	12.80
2000						5.59	6.37	7.21	8.11	8.74	9.47	10.17	11.53	12.80	13.99	15.08
2500							7.69	8.69	9.77	10.52	11.36	12.17	13.70	15.08	16.32	17.40
2880							8.63	9.76	10.98	11.82	12.73	13.59	15.18	16.58	17.76	18.69
3500								11.36	12.75	13.70	14.68	15.60	17.20	18.47		
4000										15.08	16.09	16.99	18.47			

Belt width mm	20	30	50	85
Width factor	1.00	1.58	2.73	4.29

## POWER RATINGS (kW) FOR 40mm WIDE 14M BELT

Rev/min of small pulley	Number of grooves										
	28	29	30	32	34	36	38	40	44	48	56
10	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.50
20	0.40	0.40	0.40	0.40	0.60	0.60	0.60	0.70	0.70	0.80	1.10
40	0.70	0.80	0.80	1.00	1.10	1.20	1.40	1.40	1.60	1.80	2.10
60	1.10	1.20	1.30	1.50	1.70	1.90	2.00	2.20	2.40	2.70	3.20
100	1.80	1.90	2.10	2.40	2.80	3.10	3.40	3.60	4.00	4.40	5.20
200	3.60	3.90	4.20	4.80	5.50	6.20	6.80	7.20	8.00	8.90	10.50
300	4.90	5.30	5.70	6.60	7.50	8.50	9.20	9.70	10.80	12.00	14.20
400	6.10	6.60	7.10	8.20	9.30	10.50	11.30	12.00	13.30	14.70	17.40
500	7.20	7.80	8.40	9.60	11.00	12.30	13.30	14.10	15.60	17.20	20.20
600	8.20	8.90	9.50	11.00	12.50	14.00	15.10	15.90	17.60	19.40	22.70
720	9.30	10.10	10.80	12.50	14.10	15.80	17.00	18.00	18.80	21.80	25.40
800	10.00	10.80	11.60	13.40	15.10	17.00	18.30	19.30	21.20	23.20	27.00
960	11.30	12.20	13.10	15.00	17.00	19.10	20.50	21.60	23.70	25.80	29.80
1000	11.60	12.50	13.50	15.40	17.50	19.60	21.00	22.10	24.30	26.50	30.50
1200	13.10	14.10	15.10	17.30	19.50	21.80	23.40	24.50	26.80	29.10	33.20
1440		15.70	16.80	19.20	21.60	24.10	25.70	26.90	29.30	31.60	35.50
1600			17.80	20.30	22.80	25.40	27.10	28.30	30.60	32.90	36.60
2000				22.50	25.20	28.00	29.60	30.80	32.80	34.70	37.30
2500					26.90	29.70	31.20	32.00	33.40	34.40	34.40
2880						29.80	31.20	31.80	32.00	31.90	

Belt width mm	40	55	85	115	170
Width factor	1.00	1.50	2.50	3.47	5.28

Note: The above table covers pulley sizes up to 56 grooves. Combinations are possible with larger sizes giving higher power ratings (to 250kW). Consult FPT.

SYNCHRONOUS BELT DRIVES

**CENTRE DISTANCE IN MILLIMETRES**

Speed Ratio	Number of grooves on		Belt pitch length in millimetres																		
	Driving Pulley	Driven Pulley	480	560	600	640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600
			60 teeth	70 teeth	75 teeth	80 teeth	90 teeth	100 teeth	110 teeth	120 teeth	130 teeth	140 teeth	150 teeth	160 teeth	180 teeth	200 teeth	220 teeth	225 teeth	250 teeth	300 teeth	320 teeth
2,50	32	80	-	-	-	-	-	165	207	248	290	330	371	411	492	573	653	673	774	974	1074
2,50	36	90	-	-	-	-	-	-	-	217	259	300	341	382	463	544	624	644	745	946	1046
2,55	44	112	-	-	-	-	-	-	-	-	-	232	274	316	399	480	561	582	683	884	984
2,57	28	72	-	-	-	-	150	192	233	274	315	356	396	436	517	597	678	698	798	998	1098
2,57	56	144	-	-	-	-	-	-	-	-	-	-	-	-	299	384	467	487	589	792	892
2,63	64	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	394	415	519	724	824
2,65	34	90	-	-	-	-	-	-	178	220	262	304	345	385	467	547	628	648	749	949	1050
2,67	24	64	-	-	-	134	177	218	259	300	340	381	421	461	542	622	702	722	822	1023	1123
2,67	30	80	-	-	-	-	-	168	210	252	293	334	375	415	496	576	657	677	777	978	1078
2,67	72	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	446	654	754
2,77	26	72	-	-	-	-	153	195	237	278	319	359	400	440	521	601	681	702	802	1002	1102
2,80	40	112	-	-	-	-	-	-	-	-	238	281	323	364	406	487	569	589	690	891	991
2,81	32	90	-	-	-	-	-	-	181	224	266	307	348	389	470	551	632	652	752	953	1053
2,86	28	80	-	-	-	-	-	171	214	255	297	338	378	419	500	580	661	681	781	982	1082
2,95	38	112	-	-	-	-	-	-	-	-	-	242	284	326	409	491	572	593	694	895	995
3,00	24	72	-	-	-	-	156	199	240	281	322	363	403	444	524	605	685	705	806	1006	1106
3,00	30	90	-	-	-	-	-	-	184	227	269	311	352	393	474	555	635	655	756	957	1057
3,00	48	144	-	-	-	-	-	-	-	-	-	-	-	-	312	397	480	501	604	807	907
3,00	56	168	-	-	-	-	-	-	-	-	-	-	-	-	-	320	407	428	533	738	838
3,00	64	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350	459	668	768
3,08	26	80	-	-	-	-	-	174	217	259	300	341	382	422	503	584	664	685	785	986	1086
3,11	36	112	-	-	-	-	-	-	-	-	-	245	288	330	413	495	576	596	697	899	999
3,21	28	90	-	-	-	-	-	-	187	230	273	314	355	396	477	558	639	659	760	961	1061
3,27	44	144	-	-	-	-	-	-	-	-	-	-	-	-	319	404	487	508	611	814	914
3,29	34	112	-	-	-	-	-	-	-	-	204	248	291	333	416	498	579	600	701	903	1003
3,33	24	80	-	-	-	-	-	178	220	262	304	345	385	426	507	588	668	688	789	989	1089
3,43	56	192	-	-	-	-	-	-	-	-	-	-	-	-	-	340	363	472	682	892	992
3,46	26	90	-	-	-	-	-	-	191	234	276	318	359	400	481	562	643	663	764	965	1065
3,50	32	112	-	-	-	-	-	-	-	-	207	251	294	337	420	502	583	603	705	906	1006
3,50	48	168	-	-	-	-	-	-	-	-	-	-	-	-	-	333	420	442	547	752	852
3,60	40	144	-	-	-	-	-	-	-	-	-	-	-	-	325	411	494	515	618	821	921
3,73	30	112	-	-	-	-	-	-	-	-	210	255	298	340	423	505	587	607	708	910	1010
3,75	24	90	-	-	-	-	-	-	194	237	279	321	362	403	485	566	647	667	767	968	1068
3,79	38	144	-	-	-	-	-	-	-	-	-	-	-	-	328	414	498	518	621	825	925
3,82	44	168	-	-	-	-	-	-	-	-	-	-	-	-	-	339	427	448	553	760	860
4,00	28	112	-	-	-	-	-	-	-	-	213	258	301	343	427	509	590	611	712	914	1014
4,00	36	144	-	-	-	-	-	-	-	-	-	-	-	-	331	417	501	522	625	829	929
4,00	48	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	352	375	485	696	796
4,20	40	168	-	-	-	-	-	-	-	-	-	-	-	-	-	346	433	455	560	767	867
4,24	34	144	-	-	-	-	-	-	-	-	-	-	-	244	335	421	505	525	628	832	932
4,31	26	112	-	-	-	-	-	-	-	-	216	261	304	347	430	512	594	614	716	917	1017
4,36	44	192	-	-	-	-	-	-	-	-	-	-	-	-	-	358	381	492	703	808	908
4,42	38	168	-	-	-	-	-	-	-	-	-	-	-	-	-	349	437	459	564	770	870
4,50	32	144	-	-	-	-	-	-	-	-	-	-	247	338	424	508	529	632	836	936	1036
4,67	24	112	-	-	-	-	-	-	-	-	219	264	308	350	434	516	597	618	719	921	1021
4,67	36	168	-	-	-	-	-	-	-	-	-	-	-	-	-	352	440	461	567	774	874
4,80	30	144	-	-	-	-	-	-	-	-	-	-	-	250	341	427	511	532	635	839	939
4,80	40	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	365	388	498	710	810
4,94	34	168	-	-	-	-	-	-	-	-	-	-	-	-	-	355	443	465	570	777	877
5,05	38	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	368	391	502	713	813
5,14	28	144	-	-	-	-	-	-	-	-	-	-	-	253	344	431	515	536	639	843	943
5,25	32	168	-	-	-	-	-	-	-	-	-	-	-	-	-	358	446	468	574	781	881
5,33	36	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	371	394	505	716	820
5,54	26	144	-	-	-	-	-	-	-	-	-	-	-	256	348	434	518	539	642	847	947
5,60	30	168	-	-	-	-	-	-	-	-	-	-	-	-	-	361	450	471	577	784	884
5,65	34	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	374	397	508	720	820
6,00	24	144	-	-	-	-	-	-	-	-	-	-	-	259	351	437	522	542	646	850	950
6,00	28	168	-	-	-	-	-	-	-	-	-	-	-	-	269	364	453	475	581	785	885
6,00	32	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	377	400	511	723	823
6,40	30	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	403	515	727	830
6,46	26	168	-	-	-	-	-	-	-	-	-	-	-	-	272	368	478	498	584	791	891
6,86	28	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	383	406	519	730	834

**All centre distances are rounded values – Consult FPT if centre distance is fixed.**

**SYNCHRONOUS  
BELT DRIVES**



