

POWER TRANSMISSION SPECIALISTS



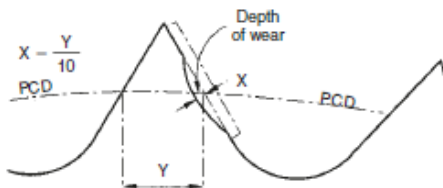
BS & ANSI CHAIN REFERENCE CHART

BS SIZE	PITCH		ANSI SIZE
	INCH	MM	
06B	3/8	9.525	ASA35
08B	1/2	12.700	ASA40
10B	5/8	15.875	ASA50
12B	3/4	19.050	ASA60
16B	1	25.400	ASA80
20B	1.1/4	31.750	ASA100
24B	1.1/2	38.100	ASA120
28B	1.3/4	44.450	ASA140
32B	2	50.800	ASA160
40B	2.1/2	63.500	ASA200
48B	3	76.200	ASA240

SPROCKETS

Examination of both flanks will give an indication of the amount of wear which has occurred. Under normal circumstances this will be evident as a polished worn strip about the pitch circle diameter of the sprocket tooth.

If the depth of this wear is 'X' has reached an amount equal to 10% of the 'Y' dimension, then steps should be taken to replace the sprocket. Running new chain on sprockets having this amount of tooth wear will cause rapid chain wear.



It should be noted that in normal operating conditions, with correct lubrication the amount of wear 'X' will not occur until several chains have been used.

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216 Whitehall Street, Yarraville, Victoria 3013

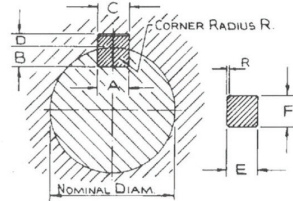
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POWER TRANSMISSION SPECIALISTS



Keyway Standards - Imperial (B.S. 46 : Part 1 : 1958)								
Nominal Shaft Diam.		Key Size	Dimensions (inches)					
Over	TO (incl.)		A	B	C	D	E	F
1/4	1/2	1/8 x 1/8	0.124 0.125	0.072 0.078	0.125 0.126	0.060 0.066	0.127 0.125	0.010
1/2	3/4	3/16 x 3/16	0.187 0.188	0.107 0.113	0.188 0.189	0.088 0.094	0.190 0.188	0.010
3/4	1	1/4 x 1/4	0.249 0.250	0.142 0.148	0.250 0.251	0.115 0.121	0.252 0.250	0.010
1	1 1/4	5/16 x 5/16	0.311 0.312	0.177 0.183	0.312 0.313	0.142 0.148	0.314 0.312	0.010
1 1/4	1 1/2	3/8 x 3/8	0.374 0.375	0.213 0.219	0.375 0.376	0.169 0.165	0.377 0.375	0.010
1 1/2	1 3/4	7/16 x 7/16	0.437 0.438	0.248 0.254	0.438 0.439	0.197 0.203	0.440 0.438	0.020
1 3/4	2	1/2 x 1/2	0.499 0.500	0.283 0.289	0.500 0.501	0.224 0.230	0.502 0.500	0.020
2	2 1/2	5/8 x 5/8	0.624 0.625	0.354 0.360	0.625 0.626	0.278 0.284	0.627 0.625	0.020
2 1/2	3	3/4 x 3/4	0.749 0.750	0.424 0.430	0.750 0.751	0.333 0.339	0.752 0.750	0.020
3	3 1/2	7/8 x 7/8	0.874 0.875	0.495 0.501	0.875 0.876	0.387 0.393	0.877 0.875	0.062
3 1/2	4	1 x 1	0.999 1.000	0.566 0.572	1.000 1.001	0.442 0.448	1.003 1.000	0.062
4	5	1 1/4 x 1 1/4	1.248 1.250	0.707 0.713	1.250 1.252	0.551 0.557	1.253 1.250	0.062
5	6	1 1/2 x 1 1/2	1.498 1.500	0.848 0.854	1.500 1.502	0.661 0.667	1.504 1.500	0.062
1	1 1/4	5/16 x 1/4	0.311 0.312	0.146 0.152	0.312 0.313	0.112 0.118	0.314 0.312	0.253 0.250
1 1/4	1 1/2	3/8 x 1/4	0.374 0.375	0.150 0.156	0.375 0.376	0.108 0.114	0.377 0.375	0.253 0.250
1 1/2	1 3/4	5/8 x 5/8	0.437 0.438	0.186 0.192	0.438 0.439	0.135 0.141	0.440 0.438	0.315 0.312
1 3/4	2	1/2 x 5/8	0.499 0.500	0.190 0.196	0.500 0.501	0.131 0.137	0.502 0.500	0.315 0.312
2	2 1/2	5/8 x 7/8	0.624 0.625	0.260 0.266	0.625 0.626	0.185 0.191	0.627 0.625	0.441 0.438
2 1/2	3	3/4 x 1/2	0.749 0.750	0.299 0.305	0.750 0.751	0.209 0.215	0.752 0.750	0.503 0.500
3	3 1/2	7/8 x 5/8	0.874 0.875	0.370 0.376	0.875 0.876	0.264 0.270	0.877 0.875	0.629 0.625
3 1/2	4	1 x 3/4	0.999 1.000	0.441 0.447	1.000 1.001	0.318 0.324	1.003 1.000	0.754 0.750
4	5	1 1/4 x 7/8	1.248 1.250	0.518 0.524	1.250 1.252	0.366 0.372	1.253 1.250	0.879 0.875
5	6	1 1/2 x 1	1.498 1.500	0.599 0.605	1.500 1.502	0.412 0.418	1.504 1.500	1.006 1.000



Keyway Standards - Metric (Normal) B.S. 4235 : Part 1 : 1972)								
Nominal Shaft Diam.		Key Size	Dimensions (mm)					
Over	TO (incl.)		A	B	C	D	E	F
10	12	4 x 4	3.970 4.000	2.5 2.6	3.985 4.015	1.8 1.9	4.030 3.970	0.16
12	17	5 x 5	4.970 5.000	3.0 3.1	4.985 5.015	2.3 2.4	5.030 4.970	0.25
17	22	6x6	5.970 6.000	3.5 3.6	5.985 6.015	2.8 2.9	6.030 5.970	0.25
22	30	8 x 7	7.964 8.000	4.0 4.2	7.982 8.018	3.3 3.5	8.000 7.000 6.910	0.25
30	38	10 x 8	9.964 10.000	5.0 5.2	9.982 10.018	3.3 3.5	10.000 8.000 7.910	0.40
38	44	12 x 8	11.957 12.000	5.0 5.2	11.979 12.021	3.3 3.5	12.000 8.000 7.910	0.40
44	50	14 x 9	13.957 14.000	5.5 5.7	13.979 14.021	3.8 4.0	14.000 9.000 8.910	0.40
50	58	16 x 10	15.957 16.000	6.0 6.2	15.979 16.021	4.3 4.5	16.000 10.000 9.910	0.40
58	65	18 x 11	17.957 18.000	7.0 7.2	17.979 18.021	4.4 4.6	18.000 11.000 10.890	0.40
65	75	20 x 12	19.948 20.000	7.5 7.7	19.974 20.026	4.0 5.1	20.000 19.948 12.000	0.60
75	85	22 x 14	21.948 22.000	9.0 9.2	21.974 22.026	5.4 5.6	22.000 14.000 13.890	0.60
85	95	25 x 14	24.948 25.000	9.0 9.2	24.974 25.026	5.4 5.6	25.000 14.000 13.890	0.60
95	110	28 x 16	27.948 28.000	10.0 10.2	27.974 28.026	6.4 6.6	28.000 16.000 15.890	0.60
110	130	32 x 18	31.938 32.000	11.0 11.2	31.969 32.031	7.4 7.6	32.000 18.000 17.890	0.60
130	150	36 x 20	35.938 36.000	12.0 12.3	35.969 36.301	8.4 8.7	36.000 20.000 19.870	1.00
150	170	40 x 22	39.938 40.000	13.0 13.3	39.969 40.031	9.7 9.7	40.000 22.000 21.870	1.00
170	200	45 x 25	44.938 45.000	15.0 15.3	44.969 45.031	10.4 10.7	45.000 25.000 24.870	1.00
200	230	50 x 28	49.938 50.000	17.0 17.3	49.969 50.031	11.4 11.7	50.000 28.000 27.870	1.00

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