



สนใจติดต่อสอบถามได้ที่ บริษัท เจเจพี ซัพพลาย จำกัด
106/79 ถ.จรัญสนิทวงศ์ ซอย 18 แขวงบ้านช่างหล่อ
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Chain Drive Selection

SELECTION

(a) Service Factor

From Table 1, determine the service factor which is applicable to the drive.

(b) Design Power

Multiply the normal running power by the service factor. This gives the Design Power which is used as the basis for selecting the drive.

(c) Chain Pitch

Refer to Table 2 (page 4) and trace to the right along the horizontal axis to the rev/min of the faster shaft. Trace upwards along the vertical axis to the Design Power. At the point of intersection, note the recommended chain pitch or pitches if there is an overlap.

(d) Speed Ratio

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

(e) Sprocket Sizes

Refer to Table 4 (page 6) and select driving and driven sprockets to match the Speed Ratio found in step (d). See sprocket pitch recommendations on page 4.

(f) Power Rating

Refer to the power rating tables (page 5) for the pitch of chain chosen in step (c). Read down the left hand column to the rotational speed of the faster shaft. On this line read the power rating for the simplex chain selected. These tables are for 19 tooth sprockets, if a sprocket with a different number of teeth is used, the power rating should be multiplied by the Sprocket Factor from the table at the bottom of page 5.

If the power rating figure does not equal or preferably exceed the Design Power, calculated in step (b), either select a larger pitch or a multiple strand (duplex or triplex) chain.

Single strand chain offers the most economical solution, and should be used where possible. However, for limitations in space, high speed or smooth running requirements a smaller pitch, duplex or triplex drive may be considered.

(g) Chain Length

To find the Chain length in pitches, use the formula below.

$$L = \frac{2C + T + KP}{P}$$

L = Length of chain in pitches.

C = Centre distance in mm.

P = Pitch of chain in mm.

T = Number of teeth on large sprocket.

t = Number of teeth on small sprocket.

K = Factor from Table 3 (page 6).

The calculated number of pitches should be rounded up to an even, whole number of pitches. If the centre distance cannot be adjusted, to allow for the use of an even number of pitches, it may be necessary to use an offset or cranked link, in which case the chain power rating will need to be reduced, consult your local Authorised Distributor. Re-calculate the exact centre distance required for the adjusted number of pitches. For recommended centre distances, refer to Table 5 below.

If a jockey or tensioning sprocket is used, add an extra 2 pitches.

To obtain the chain length, multiply the number of pitches by the pitch of the chain.

$$\text{Length of chain in feet} = \frac{LP}{305}$$

TABLE 1 – SERVICE FACTORS

Types of Driven Machine	Types of Prime Mover					
	'Soft' Starts			'Heavy' Starts		
	Hours per day duty					
	10 and under	Over 10 to 16	Over 16	10 and Under	Over 10 to 16	Over 16
Light Duty Agitators (uniform density), Belt conveyors (uniformly loaded).	1.0	1.1	1.2	1.1	1.2	1.3
Medium Duty Agitators and mixers (variable density), Belt conveyors (not uniformly loaded), Kilns, Laundry machinery, Lineshafts, Machine tools, Printing machinery, Sawmill and woodworking machinery, Screens (rotary).	1.1	1.2	1.3	1.2	1.3	1.4
Heavy Duty Brick machinery, Bucket elevators, Conveyors (heavy duty), Hoists, Quarry plant, Rubber machinery, Screens (vibrating), Textile machinery.	1.3	1.4	1.5	1.5	1.6	1.7

EXAMPLE

Select a chain drive to transmit 1.5 kW from a gearbox running at 80 rev/min and driven by a direct-on-line electric motor, to a uniformly loaded conveyor drive shaft which is required to run at approximately 40 rev/min for 12 hours per day. Gearbox output shaft is 35mm and the conveyor headshaft is 65mm diameter.

(a) Service Factor

From Table 1 the Service Factor is 1.2.

(b) Design Power

$= 1.5 \times 1.2 = 1.8 \text{ kW}$.

(c) Chain Pitch

By referring to Table 2 (page 4), the intersection of design power and the rev/min of the faster shaft indicates a 16B 1" pitch chain.

(d) Speed Ratio

80

$$\frac{40}{80} = 2:1$$

(e) Sprocket Size

From Table 4 (page 6) sprockets of 19 and 38 teeth give a ratio of 2:1.

(f) Power Rating

The power ratings for 16B chain are given on page 5. The required power rating from step (b) is 1.8 kW. For a 19T driver

sprocket, running at 80 rev/minute, the power rating for 16B-1 simplex chain is 3.79 kW. As this exceeds the required design power the selection is satisfactory.

If space limitations demand smaller sprocket dimensions, alternative selections would be: use 12B-2 duplex chain which has a power rating of 2.11 kW at 80 rev/min or 15T driving to 30 T on 16B-1 1" simplex chain - power rating 0.8 x 3.79 = 3.03 kW

(g) Chain Length

Recommended centre distance for 16B-1 chain is 1000 mm (Table 5 below).

Therefore the chain length as per selection step (g) (chain length) is 108 pitches including a connecting link.

Drive Specification

108 pitches or 9 feet of Fenner 16B-1 chain
81-19 Driver Sprocket with a 2517 x 35mm bore
81-38 Driven Sprocket with a 3020 x 65mm bore

Alternative selection

Recommended centre distance for 12B-2 chain is 900 mm (Table 5 below).

Therefore the chain length as per selection step (g) (chain length) is 124 pitches including a connecting link.

Alternative Drive Specification

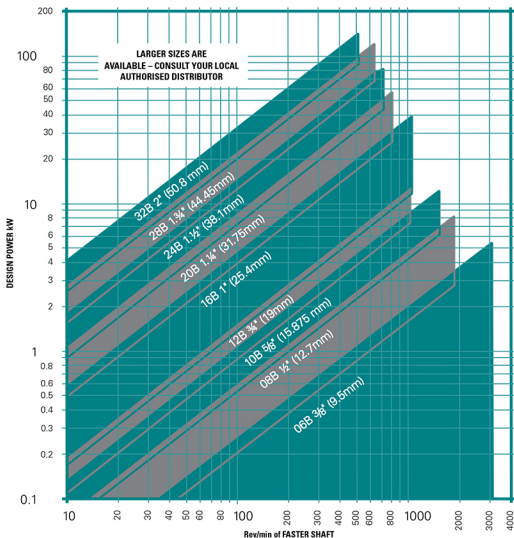
124 pitches or 7.75 feet of Fenner 12B-2 chain
62-19 Driver Sprocket with a 2012 x 35mm bore
62-38 Driven Sprocket with a 3020 x 65mm bore.

TABLE 5 - RECOMMENDED CENTRE DISTANCE

Chain Pitch	inches	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	1.3/4"	2"
	mm	9.525	12.7	15.875	19.05	25.4	31.75	38.1	44.45	50.8
Centre Distance	mm	450	600	750	900	1000	1200	1350	1500	1700

Chain Drive Selection

TABLE 2 - RECOMMENDED CENTRE DISTANCE



GENERAL RECOMMENDATIONS ON SPROCKET SIZES

19 teeth and above —

Sprockets running at medium to maximum speeds on normal applications (see power ratings for speeds on page 5).

17 teeth —

Permissible to use this sprocket on very small pitches i.e. 8mm and $\frac{1}{8}$ ". Refer to section above, but should be restricted to slow speed drives (see power ratings for speeds on page 5).

15 teeth or less —

Should be avoided unless shaft speed is below 100 revs/min.

23 teeth and above —

Recommended for impulse applications.

When ratios are low, the use of sprockets with high numbers of teeth minimises joint articulation, chain pull and bearing loads. If a small number of teeth are used on high

speed, high load applications, hardening of teeth should be considered. Ratios over 7:1 are not recommended for single strand drives. In all drives where ratios exceed 5:1 the designer should consider using compound drives for maximum service life.

On drives where ratios exceed 3:1 the shaft centre distance should not be less than the sum of the sprocket pitch circle diameters.

For drives with vertical shafting always use multi-strand chains.

Chain Drive Selection

TABLE 3 – K FACTOR

T-1	K	T-1	K	T-1	K	T-1	K	T-1	K	T-1	K	T-1	K	T-1	K	T-1	K
1	0	11	3	21	11	31	24	41	43	51	66	61	94	71	128	81	166
2	0	12	4	22	12	32	26	42	45	52	68	62	97	72	131	82	170
3	0	13	4	23	13	33	28	43	47	53	71	63	101	73	135	83	175
4	0	14	5	24	15	34	29	44	49	54	74	64	104	74	139	84	179
5	1	15	6	25	16	35	3	45	51	55	77	65	107	75	142	85	183
6	1	16	6	26	17	36	33	46	54	56	79	66	110	76	146	86	187
7	1	17	7	27	18	37	35	47	56	57	82	67	114	77	150	87	192
8	2	18	8	28	20	38	37	48	58	58	85	68	117	78	154	88	196
9	2	19	9	29	21	39	39	49	61	59	88	69	121	79	158	89	201
10	3	20	10	30	23	40	41	50	63	60	91	70	124	80	162	90	205

TABLE 4 – SPEED RATIOS

		Number of Teeth - Driving Sprocket																											
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	27	30										
Number of Teeth - Driven Sprocket	10	1.00																											
	11	1.10	1.00																										
	12	1.20	1.09	1.00																									
	13	1.30	1.18	1.08	1.00																								
	14	1.40	1.27	1.17	1.08	1.00																							
	15	1.50	1.36	1.25	1.15	1.07	1.00																						
	16	1.60	1.45	1.33	1.23	1.14	1.07	1.00																					
	17	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00																				
	18	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00																			
	19	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00																		
	20	2.00	1.82	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00																	
	21	2.10	1.91	1.75	1.62	1.50	1.40	1.31	1.24	1.17	1.11	1.05	1.00																
	22	2.20	2.00	1.83	1.69	1.57	1.47	1.38	1.29	1.22	1.16	1.10	1.05	1.00															
	23	2.30	2.09	1.92	1.77	1.64	1.53	1.44	1.35	1.28	1.21	1.15	1.10	1.05	1.00														
	24	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00													
	25	2.50	2.27	2.08	1.92	1.79	1.67	1.56	1.47	1.39	1.32	1.25	1.19	1.14	1.09	1.04	1.00												
	26	2.60	2.36	2.17	2.00	1.86	1.73	1.63	1.53	1.44	1.37	1.30	1.24	1.18	1.13	1.08	1.04												
	27	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.00											
	28	2.80	2.54	2.33	2.15	2.00	1.87	1.75	1.65	1.56	1.47	1.40	1.33	1.27	1.22	1.17	1.12	1.04											
29	2.90	2.64	2.42	2.23	2.07	1.93	1.81	1.71	1.61	1.53	1.45	1.38	1.32	1.26	1.21	1.16	1.07												
30	3.00	2.73	2.50	2.31	2.14	2.00	1.88	1.76	1.67	1.58	1.50	1.43	1.36	1.30	1.25	1.20	1.11	1.00											
38	3.80	3.45	3.17	2.92	2.71	2.53	2.38	2.24	2.11	2.00	1.90	1.81	1.73	1.65	1.58	1.52	1.41	1.27											
57	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.48	2.38	2.28	2.11	1.90											
76	7.60	6.91	6.33	5.85	5.43	5.07	4.75	4.47	4.22	4.00	3.80	3.62	3.45	3.30	3.17	3.04	2.81	2.53											
95	9.50	8.64	7.92	7.31	6.79	6.33	5.94	5.59	5.28	5.00	4.75	4.52	4.32	4.13	3.96	3.80	3.52	3.17											

Ratios in bold type can generally be achieved using Fenner Taper Lock sprockets.

CHAIN LENGTH CONVERSION DATA

Chain Pitch (ins)	Pitches (ft)	Pitches/Metre	Chain Pitch (ins)	Pitches/Ft	Pitches/metre
6mm	50.8	166.67	1"	12	39.37
8mm	38.1	125.00	1 1/8"	9.6	31.49
10"	48	157.48	1 1/2"	8	26.25
12"	32	104.99	1 3/4"	6.86	22.50
14"	24	76.74	2"	6	19.68
16"	19.2	62.99			
18"	16	52.49			

Roller Chain Links

Conn Link	Conn Link	Rivet Pin Link	Double Offset Link	Inner Link	Offset Link
Spring Clip Type	Cotter Type	Rivet-on Type			
BRITISH STANDARD (BS)					
04B		04B	04B	04B	
05B		05B	05B	05B	
06B	06B	06B	06B	06B	06B
08B	08B	08B	08B	08B	08B
10B	10B	10B	10B	10B	10B
12B	12B	12B	12B	12B	12B
16B	16B	16B	16B	16B	16B
	20B	20B			20B
	24B	24B			24B
	28B	28B			28B
	32B	32B			32B
AMERICAN STANDARD (ASA)					
25		25	25	25	
35	35	35	35	35	35
40	40	40	40	40	40
41	41	41	41	41	41
50	50	50	50	50	50
60	60	60	60	60	60
80	80	80	80	80	80
	100	100		100	100
	120	120		120	120
	140	140		140	140
	160	160		180	180
ASA HEAVY DUTY					
40H		40H	40H	40H	
50H	50H	50H	50H	50H	50H
60H	60H	60H	60H	60H	60H
80H	80H	80H	80H	80H	80H
	100H	100H	100H	100H	100H
	120H	120H	120H	120H	120H
DOUBLE PITCH					
A2040	A2040	A2040		A2040	A2040
A2050	A2050	A2050		A2050	A2050
A2060	A2060	A2060		A2060	A2060
C2040	C2040	C2040		C2040	C2040
C2050	C2050	C2050		C2050	C2050
C2060/H	C2060/H	C2060/H		C2060/H	C2060/H
	C2080/H	C2080/H		C2080/H	
	C2100/H	C2100/H		C2100/H	
	C2120/H	C2120/H		C2120/H	
C2042	C2042	C2042		C2042	C2042
C2052	C2052	C2052		C2052	C2052
C2062/H	C2062/H	C2062/H		C2062/H	C2062/H
	C2082/H	C2082/H		C2082/H	
	C2102/H	C2102/H		C2102/H	
	C2102/H	C2102/H		C2102/H	
	C2122/H	C2122/H		C2122/H	

SPRING CLIP CONNECTING LINK



COTTER CONNECTING LINK



RIVET PIN LINK



INNER LINK



OFFSET LINK



DOUBLE OFFSET LINK



ENDLESS - EVEN NO. OF LINKS



ENDLESS - odd NO. OF LINKS



ENDLESS - ODD NO. OF LINKS



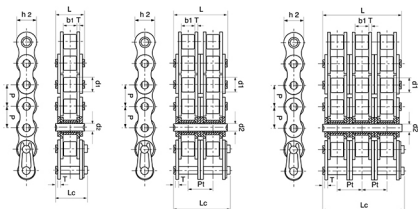
American Standard Roller Chains

ANSI B29.1, ISO R606, DIN 8188

ANSI standard chain is dimensionally similar to BS chain but with generally thicker plates resulting in a narrower b1 dimension between inner plates.

The pitching between strands of duplex and triplex chain, dimension Pt may also vary from BS chain.

Care should be taken to ensure that correct sprockets are used with ANSI chain.



Product Code	ANSI Chain No	ISO Chain No	ISO Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Femur PLUS Min Tensile Strength	Weight per foot
					d1 min (mm)	b1 min (mm)		d2 max (mm)	L max (mm)					
SIMPLEX														
028L0111	40	08A-1	12.700	7.930	7.85	3.98	16.30	17.80	11.50	1.50	-	16.50	0.18	
028N0111	50	10A-1	15.875	10.150	9.55	5.09	20.45	22.20	13.70	2.03	-	27.00	0.304	
028P0111	60	12A-1	19.050	11.910	12.65	5.96	25.40	27.70	16.20	2.42	-	38.00	0.414	
02800111	80	16A-1	25.400	15.880	15.88	7.94	32.80	35.00	20.80	3.25	-	62.00	0.786	
028R0111	100	20A-1	31.750	19.050	19.05	9.53	39.60	44.70	25.40	4.00	-	99.00	1.183	
028S0111	120	24A-1	38.100	22.220	25.40	11.10	49.60	54.30	32.00	4.80	-	140.00	1.695	
028W0111	140	28A-1	44.450	25.400	25.40	12.70	53.50	59.00	42.00	5.60	-	178.00	2.268	
028X0111	160	32A-1	50.800	28.580	31.75	14.27	64.00	69.60	48.20	6.40	-	228.00	3.06	
028Y0111	200	40A-1	63.500	39.670	38.10	19.85	77.90	87.20	58.00	8.00	-	380.00	5.09	
028Z0111	240	48A-1	76.200	47.630	47.60	23.80	94.50	103.00	71.80	9.50	-	700.00	7.22	
DUPLEX														
028L0211	40-2	08A-2	12.700	7.930	7.85	3.98	30.80	32.2	11.50	1.50	14.38	33.00	0.366	
028N0211	50-2	10A-2	15.875	10.150	9.55	5.09	38.90	40.4	13.70	2.03	18.11	54.00	0.609	
028P0211	60-2	12A-2	19.050	11.910	12.65	5.96	48.30	50.5	16.20	2.42	22.78	76.00	0.829	
02800211	80-2	16A-2	25.400	15.880	15.87	7.94	62.30	64.3	20.80	3.25	29.29	124.00	1.554	
028R0211	100-2	20A-2	31.750	19.050	19.05	9.53	75.50	80.5	25.40	4.00	35.76	198.00	2.347	
028S0211	120-2	24A-2	38.100	22.220	25.40	11.10	95.30	99.7	35.20	4.80	45.44	280.00	3.449	
028W0211	140-2	28A-2	44.450	25.400	25.40	12.70	102.60	107.9	42.00	5.60	48.87	356.00	4.390	
028X0211	160-2	32A-2	50.800	28.580	31.75	14.27	123.30	144.4	48.20	6.40	58.55	456.00	6.065	
028Y0211	200-2	40A-2	63.500	39.670	38.10	19.85	150.20	158.8	58.00	8.00	71.55	760.00	10.119	
028Z0211	240-2	48A-2	76.200	47.630	47.60	23.80	182.20	190.8	71.80	9.50	87.83	1400.00	14.400	
TRIPLEX														
028L0311	40-3	08A-3	12.700	7.930	7.85	3.98	45.30	46.6	11.50	1.50	14.38	49.50	0.550	
028N0311	50-3	10A-3	15.875	10.150	9.55	5.09	57.00	58.5	13.70	2.03	18.11	81.00	0.908	
028P0311	60-3	12A-3	19.050	11.910	12.65	5.96	71.10	73.3	16.20	2.42	22.78	114.00	1.243	
02800311	80-3	16A-3	25.400	15.880	15.88	7.94	91.80	93.6	20.80	3.25	29.29	186.00	2.340	
028R0311	100-3	20A-3	31.750	19.050	19.05	9.53	112.10	116.3	25.40	4.00	35.76	297.00	3.511	
028S0311	120-3	24A-3	38.100	22.220	25.40	11.10	140.90	145.2	35.20	4.80	45.44	420.00	5.011	
028W0311	140-3	28A-3	44.450	25.400	25.40	12.70	152.40	156.8	42.00	5.60	48.87	534.00	6.730	
028X0311	160-3	32A-3	50.800	28.580	31.75	14.27	182.00	182	48.20	6.40	58.55	684.00	9.070	
028Y0311	200-3	40A-3	63.500	39.670	38.10	19.85	222.20	230.4	58.00	8.00	71.55	1140.00	15.148	
028Z0311	240-3	48A-3	76.200	47.630	47.60	23.80	270.00	278.6	71.80	9.50	87.83	2100.00	21.490	

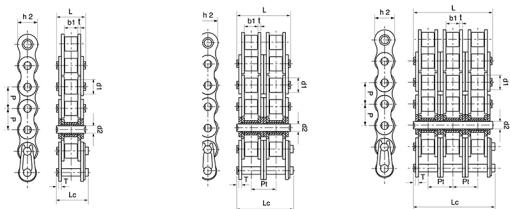
Cottered chain can be supplied for all chains of 19.05 mm pitch and above.

All Femur PLUS chains are equivalent to or exceed ISO 606 minimum tensile strength. The above dimensions are for Femur PLUS chain, some non-functional dimensions may differ slightly for Femur Standard chain

Chain is sold in units of feet or metres, depending on geographical market
For weight in metres multiply by 3.281

British Standard Fenner PLUS Lubrication Free Roller Chain

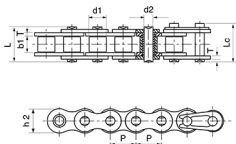
BS 228, ISO R606, DIN 8187



Product Code	ISO Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Fenner PLUS Min Tensile Strength	Weight per Foot
						L max (mm)	Lc max (mm)					
		P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	Lc max (mm)	h2 max (mm)	tT max (mm)	Pt (mm)	G min (kN)	q (kg/m)
SIMPLEX												
028B0114	08B-1	12.700	8.51	7.75	4.45	16.60	18.20	11.80	1.6	-	17.80	0.210
028C0114	10B-1	15.875	10.16	9.65	5.08	19.00	20.90	13.70	1.7	-	22.20	0.259
028D0114	12B-1	19.050	12.07	11.68	5.72	22.30	24.20	16.20	1.85	-	28.90	0.357
028E0114	16B-1	25.400	15.88	17.02	8.28	35.10	37.40	20.80	4.15/3.1	-	60.00	0.811
DUPLEX												
028B0214	08B-2	12.700	8.51	7.75	4.45	30.60	32.20	11.80	1.6	13.92	31.10	0.411
028C0214	10B-2	15.875	10.16	9.65	5.08	35.75	37.50	13.70	1.7	16.59	44.50	0.506
028D0214	12B-2	19.050	12.07	11.68	5.72	41.80	43.60	16.20	1.85	19.46	57.80	0.707
028E0214	16B-2	25.400	15.88	17.02	8.28	68.00	69.30	20.80	4.15/3.1	31.88	106.00	1.609
TRIPLEX												
028B0314	08B-3	12.700	8.51	7.75	4.45	44.60	46.10	11.80	1.6	13.92	44.50	0.616
028C0314	10B-3	15.875	10.16	9.65	5.08	52.30	54.10	13.70	1.7	16.59	66.70	0.795
028D0314	12B-3	19.050	12.07	11.68	5.72	61.40	63.10	16.20	1.85	19.46	86.70	1.975
028E0314	16B-3	25.400	15.88	17.02	8.28	99.90	101.20	20.80	4.15/3.1	31.88	160.00	2.396

Chain is sold in units of feet or metres, depending on geographical market

American Standard Roller Chains

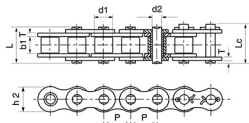
**"H" SERIES ROLLER CHAINS**

ANSI "H" Series chains are dimensionally identical to ANSI standard chains except that the sideplates are thicker. The heavier side plates provide some additional fatigue resistance. They are primarily intended for applications where occasional shock loads are likely to cause fatigue failures in the chain. Whilst there is an increase in tensile strength, the wear life of the case hardened pins remains the same as for standard chain.

Simplex "H" series chains operate on standard ANSI sprockets. Multiple strand "H" chain require non-standard ANSI sprockets because of the thicker side plates.

Product Code	ANSI Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
				b1 min (mm)	d2 max (mm)		L max (mm)	Lc max (mm)					
02BL5114	40H	12.700	7.85	7.85	3.96	18.80	19.90	12.00	2.03	14.10	19.10	0.82	
02BN0114	50H	15.875	10.16	9.40	5.08	22.10	23.40	15.09	2.42	22.20	30.20	1.25	
02BP0114	60H	19.050	11.91	12.57	5.94	29.20	31.00	18.00	3.25	31.80	42.70	1.87	
02BQ0114	80H	25.400	15.88	15.75	7.92	36.20	37.70	24.00	4.00	56.70	71.40	3.10	
02BR0114	100H	31.750	19.05	18.90	9.53	43.60	46.90	30.00	4.80	88.50	112.40	4.52	
02BS0114	120H	38.100	22.23	25.22	11.10	53.50	57.50	35.70	5.60	127.00	160.90	6.60	
02BW0114	140H	44.450	25.40	25.22	12.70	57.60	62.20	41.00	6.40	172.40	217.30	8.30	
02BX0114	160H	50.800	28.58	31.55	14.27	68.20	73.00	47.80	7.20	226.80	265.80	10.30	
02BZ0114	200H	63.500	39.68	37.85	19.85	86.80	93.50	60.00	9.50	353.80	444.50	19.16	

Note: Refer to your local Authorised Distributor for dimensional details of ANSI "H" Series multiple strand chain

**"SH" SERIES ROLLER CHAINS**

ANSI "SH" series chains are identical to "H" series but they have a different pin material, which is through hardened. The surface hardness is less than that of the carburised pins in the ANSI standard and ANSI "H" series chains but through hardened pins provide additional fatigue resistance, at some slight sacrifice in wear life.

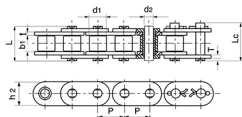
Simplex "SH" series chains operate on standard ANSI sprockets. Multiple strand "SH" series chain require non-standard ANSI sprockets because of the thicker side plates.

Product Code	ANSI Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
				b1 min (mm)	d2 max (mm)		L max (mm)	Lc max (mm)					
02BL5115	40SH	12.700	7.95	7.85	3.96	18.80	19.90	12.00	2.03	22.40	24.80	0.82	
02BN0115	50SH	15.875	10.16	9.40	5.08	22.10	23.40	15.09	2.42	30.40	36.20	1.25	
02BP0115	60SH	19.050	11.91	12.57	5.94	29.20	31.00	18.00	3.25	44.10	50.40	1.87	
02BQ0115	80SH	25.400	15.88	15.75	7.92	36.20	37.70	24.00	4.00	88.20	93.00	3.10	
02BR0115	100SH	31.750	19.05	18.90	9.53	43.60	46.90	30.00	4.80	116.60	129.10	4.52	
02BS0115	120SH	38.100	22.23	25.22	11.10	53.50	57.50	35.70	5.60	158.20	175.30	6.60	
02BW0115	140SH	44.450	25.40	25.22	12.70	57.60	62.20	41.00	6.40	206.00	266.50	8.30	
02BX0115	160SH	50.800	28.58	31.55	14.27	68.20	73.00	47.80	7.20	274.00	293.00	10.30	
02BZ0115	200SH	63.500	39.68	37.85	19.85	86.80	93.50	60.00	9.50	506.10	562.30	19.16	

Chain is sold in units of feet or metres, depending on geographical market

Roller Chain

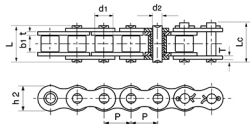
ROLLER CHAINS WITH STRAIGHT SIDE PLATES



Product Code	DIN ISO Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Length		Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
		P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)
028B0410	C08B-1	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.50	0.80
028C0410	C10B-1	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40	27.09	1.06
028D0410	C12B-1	19.050	12.07	11.68	5.72	22.50	25.20	16.00	1.85	29.00	32.20	1.32
028E0410	C16B-1	25.400	15.88	17.02	8.28	36.10	39.10	21.00	4.15/3.1	60.00	72.80	3.08
028E0410	C16B-/24	25.400	15.88	17.02	8.28	36.10	39.10	24.00	4.15/3.1	60.00	72.80	3.49
028F0410	C20B-1	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00	106.70	4.16
028G0410	C24B-1	38.100	25.40	25.40	14.63	53.40	57.80	33.20	6.0/4.8	160.00	178.00	7.47

Chain is sold in units of feet or metres, depending on geographical market

STAINLESS STEEL CHAINS



Material: AISI 304 Stainless Steel for optimum corrosion resistance, having regard for tensile strength and wear life considerations. Stainless steel chain is not as hard or as strong as carbon steel chain. AISI 304 Stainless Steel may have some slight residual magnetism due to cold working of the pins, bushes and rollers in manufacture. For applications where non-magnetic chain is required consult your local Authorised Distributor.

Product Code	Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
		P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)
028H0112	04B-1SS	6.000	4.00	2.80	1.85	6.90	7.80	5.00	0.60	2.00	2.40	0.11
028J0112	05B-1SS	8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	3.50	4.10	0.20
028A0412	*06B-1SS	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	6.20	6.80	0.41
028B0112	08B-1SS	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	12.00	14.30	0.70
028C0112	10B-1SS	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	14.50	17.20	0.94
028D0112	12B-1SS	19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	18.50	20.90	1.16
028E0112	16B-1SS	25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	40.00	47.60	2.73
028F0112	20B-1SS	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	59.00	69.60	3.73
028K0112	*35SS	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	5.50	6.60	0.33
028L0112	40SS	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	9.60	10.80	0.63
028M0112	50SS	15.875	10.16	9.40	5.08	20.70	22.20	15.00	2.03	15.20	17.20	1.03
028P0112	60SS	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	21.70	26.40	1.51
028Q0112	80SS	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	39.90	46.60	2.62

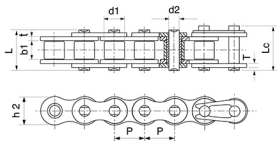
* Straight Side Plates.

• Bushing chain, d1 indicates the external diameter of the bushing

Special Chain and Attachment Chain

FENNER SPECIAL CHAINS

Also available are the extended range of "Special" chains which are widely used industrial standards but not part of any ISO or ANSI International Standards.



Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
	P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)
048H	6.00	4.00	2.80	1.85	8.40	9.40	5.00	0.90	5.00	5.30	0.14
415	12.70	7.77	4.76	3.60	11.00	12.40	9.70	1.00	6.06	7.60	0.32
415H	12.70	7.77	4.76	3.96	13.10	14.50	12.00	1.50	14.40	16.10	0.55
415B	12.70	7.75	4.88	4.09	12.90	14.40	10.30	1.30	12.00	14.20	0.44
415BF1	12.70	7.75	4.88	4.09	11.50	13.00	10.30	1.00	9.00	10.60	0.38
423	12.70	8.51	6.40	4.45	15.60	17.10	12.40	1.70	19.60	21.90	0.71
478	12.70	7.80	4.80	4.00	11.60	13.65	10.46	1.25	9.80	12.80	0.39
068F	12.70	8.51	5.55	4.45	14.60	16.10	11.80	1.60	17.80	19.20	0.66
126V	19.05	12.07	11.68	6.10	24.50	26.50	16.00	2.42	36.00	39.90	1.43
126H	19.05	12.07	11.68	5.94	25.20	26.80	16.00	2.42	40.00	44.40	1.45
126HF1	19.05	12.07	11.68	6.10	25.00	27.20	16.50	2.50	44.00	48.80	1.46
168F1	25.40	15.88	12.20	8.28	31.40	32.70	21.00	4.15/3.1	60.00	71.40	2.60
168F2	25.40	15.88	17.02	8.28	38.60	39.80	21.00	4.15	60.00	71.40	3.08
168F5	25.40	15.88	12.70	8.28	30.80	32.10	20.00	3.5/3.0	50.00	57.50	2.37
168H	25.40	15.88	17.02	8.90	35.70	38.90	24.10	4.0/3.1	80.00	94.20	3.11
248H	38.10	25.40	25.40	14.63	58.60	63.40	38.20	7.5/6.0	225.00	250.30	9.00



Fenner PLUS Chain

High Performance Roller Chain

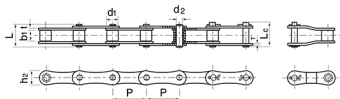
- > Enhanced performance in hostile environments
- > Operates successfully with irregular lubrication
- > Shot peened plates for fatigue resistance
- > Special wax lubrication as standard
- > Case hardened bearing pins for wear and 'stretch' resistance
- > EPX Easy Pin eXtraction feature

Fenner[®]

THE MARK OF ENGINEERING EXCELLENCE

Double Pitch Chain

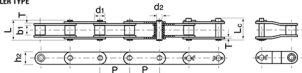
DOUBLE PITCH TRANSMISSION CHAINS



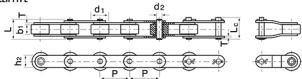
ANSI Chain No	ISO Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
		P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)	
A2040	2088	25.40	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	16.70	0.42	
		25.40	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.40	0.45	
A2050	2108	31.75	10.16	9.40	5.08	20.70	22.20	15.00	2.03	22.20	28.10	0.73	
		31.75	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40	27.50	0.65	
A2060	2128	38.10	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	36.80	1.02	
		38.10	12.07	11.68	5.72	22.50	25.20	16.00	1.85	29.00	32.20	0.76	
A2080	2168	50.80	15.88	15.75	7.92	32.70	36.50	24.00	3.25	56.70	65.70	1.70	
		50.80	15.88	17.02	8.28	36.10	39.10	21.00	4.15/3.10	60.00	72.80	1.75	

DOUBLE PITCH CONVEYOR CHAINS

SMALL ROLLER TYPE



LARGE ROLLER TYPE



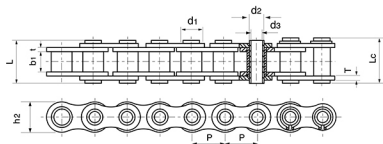
ANSI Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
	P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)	
C2040	25.40	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	16.70	0.50	
C2042	25.40	15.88	7.85	3.96	16.60	17.80	12.00	1.50	14.10	16.70	0.84	
C2050	31.75	10.16	9.40	5.08	20.70	22.20	15.00	2.03	22.20	28.10	0.78	
C2052	31.75	19.05	9.40	5.08	20.70	22.20	15.00	2.03	22.20	28.10	1.27	
C2060	38.10	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	36.80	1.12	
C2062	38.10	22.23	12.57	5.94	25.90	27.70	18.00	2.42	31.80	36.80	1.61	
C2060H	38.10	11.91	12.57	5.94	29.20	31.60	18.00	3.25	31.80	41.60	1.44	
C2062H	38.10	22.23	12.57	5.94	29.20	31.60	18.00	3.25	31.80	41.60	2.07	
C2080H	50.80	15.88	15.75	7.92	36.20	39.40	24.40	4.00	56.70	70.00	2.54	
C2082H	50.80	28.58	15.75	7.92	36.20	39.40	24.40	4.00	56.70	70.00	3.58	
C2100H	63.50	19.05	18.90	9.53	43.60	46.90	30.00	4.80	88.50	112.40	3.58	
C2102H	63.50	39.67	18.90	9.53	43.60	46.90	30.00	4.80	88.50	112.40	5.36	
C2120H	76.20	22.23	25.22	11.10	53.50	57.50	35.70	5.60	127.00	160.90	5.26	

Chain is sold in units of feet or metres, depending on geographical market

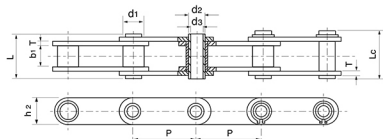
Special Chain and Attachment Chain

DOUBLE PITCH TRANSMISSION CHAINS

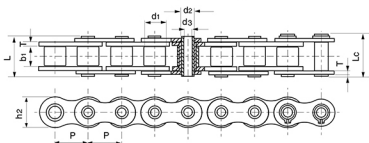
TYPE A - BUSHED



TYPE B - BUSHED



TYPE C - ROLLER



Chain No	Pitch	Bush / Roller Diameter		Width Between Inner Plates		Pin Diameter		Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre	Type
	P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	d3 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)			
08BHP	12.700	8.51	7.75	6.55	4.50	16.40	17.60	11.80	1.60/1.30	11.10	12.10	0.56	A		
10BHP	15.875	10.16	9.65	5.94	4.04	19.30	20.60	14.70	1.70	17.00	20.80	0.86	C		
12BHP	19.050	12.07	11.68	6.50	4.00	21.60	22.80	15.90	1.85	23.60	25.90	1.09	C		
40HP	12.700	7.95	7.85	5.63	4.00	16.50	17.60	12.00	1.50	11.00	12.20	0.54	A		
50HP	15.875	10.16	9.40	7.03	5.13	20.70	21.90	15.09	2.03	20.00	22.60	0.91	A		
60HP/5.01	19.050	11.91	12.70	7.00	5.01	25.50	26.60	18.00	2.42	20.00	22.40	1.35	C		
60HP/6.00	19.050	11.91	12.70	8.31	6.00	25.80	26.80	18.00	2.42	24.00	26.90	1.29	A		
80HP	25.400	15.88	15.75	11.40	6.05	32.50	33.80	24.00	3.25	50.00	58.30	2.26	A		
C2040HP	25.400	7.95	7.85	5.63	4.00	16.50	17.60	12.00	1.50	11.00	12.60	0.46	B		
C2050HP	31.750	10.16	9.40	7.22	5.12	20.50	21.60	15.00	2.03	20.40	22.80	0.76	B		
C2060HP	38.100	11.91	12.70	8.31	6.00	25.80	26.80	18.00	2.42	24.00	27.10	1.02	B		
C2080HP	50.800	15.88	15.75	11.40	6.05	32.50	33.80	24.00	3.25	50.00	55.20	1.81	B		

Chain is sold in units of feet or metres, depending on geographical market

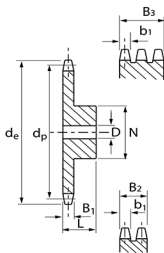
Pilot Bored Sprockets

12B PILOT BORED SPROCKETS 3/4" X 7/16" PITCH

No. of Teeth	Pitch Dia	Outer Dia	Simplex (027D01--)				Duplex (027D02--)				Triplex (027D03--)			
			Hub Dia		Stock Bore		Hub Dia		Stock Bore		Hub Dia		Stock Bore	
			N	L	L	D	N	L	L	D	N	L	L	D
8	49.70	57.60	31	30	12	A	31	45	12	A	31	65	16	A
9	55.70	62.00	37	30	12	A	37	45	12	A	37	65	16	A
10	61.64	69.00	42	30	12	A	42	45	12	A	42	65	16	A
11	67.61	75.00	48	35	14	A	47	50	16	A	47	70	20	A
12	73.61	81.50	52	35	14	A	53	50	16	A	53	70	20	A
13	79.59	87.50	58	35	14	A	59	50	16	A	59	70	20	A
14	85.61	93.60	64	35	14	A	65	50	16	A	65	70	20	A
15	91.63	99.70	70	35	14	A	71	50	16	A	71	70	20	A
16	97.65	105.50	75	35	16	A	77	50	20	A	77	70	20	A
17	103.67	111.50	80	35	16	A	83	50	20	A	83	70	20	A
18	109.71	118.00	86	35	16	A	89	50	20	A	89	70	20	A
19	115.75	124.20	90	35	16	A	95	50	20	A	95	70	20	A
20	121.78	129.70	95	35	16	A	100	50	20	A	100	70	20	A
21	127.82	136.00	100	40	20	A	106	50	20	A	106	70	20	A
22	133.86	141.90	100	40	20	A	110	50	20	A	110	70	20	A
23	139.90	149.00	100	40	20	A	114	50	20	A	114	70	20	A
24	145.94	153.90	100	40	20	A	118	50	20	A	118	70	20	A
25	152.00	160.00	100	40	20	A	122	50	20	A	122	70	20	A
26	158.04	165.90	95	40	20	A	126	50	20	A	126	70	20	A
27	164.08	172.30	95	40	20	A	130	50	20	A	130	70	20	A
28	170.13	178.00	95	40	20	A	134	50	20	A	134	70	20	A
29	176.19	184.10	95	40	20	A	138	50	20	A	138	70	20	A
30	182.25	190.50	95	40	20	A	142	50	20	A	142	70	20	A
31	188.31	196.30	95	40	20	A	146	50	20	A	146	70	25	A
32	194.35	203.30	95	40	20	A	150	50	20	A	150	70	25	A
33	200.40	209.30	95	40	20	A	154	50	20	A	154	70	25	A
34	206.46	214.60	95	40	20	A	158	50	20	A	158	70	25	A
35	212.52	221.00	95	40	20	A	162	50	20	A	162	70	25	A
36	218.58	226.80	100	40	20	A	166	50	25	A	166	70	25	A
37	224.64	232.90	100	40	20	A	170	50	25	A	170	70	25	A
38	230.69	239.00	100	40	20	A	174	50	25	A	174	70	25	A
39	236.75	245.10	100	40	20	A	178	50	25	A	178	70	25	A
40	242.81	251.30	100	40	20	A	182	50	25	A	182	70	25	A
45	273.10	282.50	100	56	24	B	198	63	30	B	198	70	30	B
57	345.81	354.00	100	56	30	B	128	63	30	B	140	70	40	B
76	498.99	498.90	100	56	30	B	135	63	30	B	160	75	40	B
95	576.17	585.10	100	65	30	B	135	70	30	B	170	82	40	B
114	651.36	700.60	100	65	30	B	135	70	45	B	170	82	50	B

To complete the product code insert the number of teeth required (027D0109 = 12B-1 3/4" pitch 9 tooth pilot bore sprocket)

Teeth Width	Value
B1	11.1mm
b1	10.8mm
B2	30.3mm
B3	49.8mm

Type A = Steel C45
Type B = Cast Iron GG22

16B PILOT BORED SPROCKETS 1" X 17.02mm PITCH

No. of Teeth	Pitch Dia	Outer Dia	Simplex (027E01--)				Duplex (027E02--)				Triplex (027E03--)			
			Hub Dia		Stock Bore		Hub Dia		Stock Bore		Hub Dia		Stock Bore	
			N	L	L	D	N	L	L	D	N	L	L	D
8	66.27	77.00	42	35	16	A	42	65	16	A	42	95	20	A
9	74.27	85.00	50	35	16	A	50	65	16	A	50	95	20	A
10	82.19	93.00	55	35	16	A	56	65	16	A	56	95	20	A
11	90.14	99.50	61	40	16	A	64	70	20	A	64	100	25	A
12	93.14	108.00	69	40	16	A	72	70	20	A	72	100	25	A
13	106.12	117.00	78	40	16	A	80	70	20	A	80	100	25	A
14	114.15	125.00	80	40	16	A	88	70	20	A	88	100	25	A
15	122.17	133.00	82	40	16	A	96	70	20	A	96	100	25	A
16	130.20	141.00	100	14	20	A	104	70	20	A	104	100	25	A
17	138.22	149.00	100	45	20	A	112	70	20	A	112	100	25	A
18	146.28	157.00	100	45	20	A	120	70	20	A	120	100	25	A
19	154.35	165.00	100	45	20	A	128	70	25	A	130	100	25	A
20	162.38	173.20	100	45	20	A	136	70	20	A	130	100	25	A
21	170.43	181.20	110	50	20	A	144	70	25	A	130	100	25	A
22	178.48	189.30	110	50	20	A	152	70	25	A	130	100	25	A
23	186.53	197.50	110	50	20	A	160	70	25	A	130	100	25	A
24	194.58	205.50	110	50	20	A	168	70	25	A	130	100	25	A
25	202.66	213.50	110	50	20	A	176	70	25	A	130	100	25	A
26	210.72	221.60	120	50	20	A	184	70	25	A	130	100	30	A
27	218.79	229.60	120	50	20	A	192	70	25	A	130	100	30	A
28	226.85	237.70	120	50	20	A	200	70	25	A	130	100	30	A
29	234.92	245.80	120	50	20	A	208	70	25	A	130	100	30	A
30	243.00	254.00	120	50	20	A	216	70	25	A	130	100	30	A
31	251.08	262.20	120	50	25	A	224	70	25	A	140	100	30	B
32	259.13	270.20	120	50	25	A	232	70	25	A	140	100	30	B
33	267.21	278.50	120	50	25	A	240	70	25	A	140	100	30	B
34	275.28	287.00	120	50	25	A	248	70	25	A	140	100	30	B
35	283.36	295.20	120	50	25	A	256	70	25	A	140	100	30	B
36	291.44	304.60	120	50	25	A	264	70	25	A	140	100	30	B
37	299.51	312.60	120	50	25	A	272	70	25	A	140	100	30	B
38	307.59	320.70	120	50	25	A	280	70	25	A	140	100	30	B
39	315.67	328.80	120	50	25	A	288	70	25	A	140	100	30	B
40	323.75	338.00	120	50	25	A	296	70	25	A	140	100	30	B
45	364.13	377.00	125	70	30	B	150	75	40	B	160	100	45	B
57	481.68	474.00	125	70	35	B	170	90	40	B	180	100	45	B
76	614.65	627.00	140	80	35	B	175	95	40	B	200	110	45	B
95	708.22	761.10	140	80	40	B	175	95	45	B	200	110	50	B
114	821.81	835.60	140	80	40	B	175	95	45	B	200	115	50	B

Teeth Width	Value
B1	16.2mm
b1	15.8mm
B2	47.7mm
B3	79.6mm

FINISHED BORES

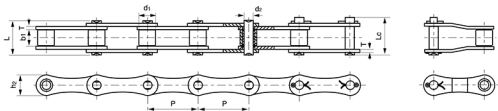
For bore and keyed sprockets, the maximum finished bore diameter is normally hub diameter $N \pm 1.5$ Type A = Steel C45
Type B = Cast Iron GG22

To complete the product code insert the number of teeth required (027E0109 = 16B-1" pitch 9 tooth pilot bore sprocket)

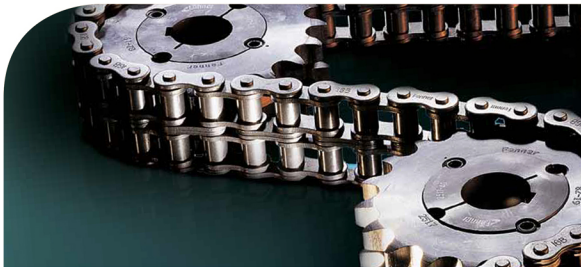
Agricultural Chain

'S' TYPE STEEL AGRICULTURAL CHAINS

All 'S' type chain and attachments can be supplied zinc plated. Please specify at time of order.



Chain No	Pitch	Roller Diameter	Width Between Inner Plates		Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
	P (mm)	d1 max (mm)	b1 min (mm)	d2 max (mm)	L max (mm)	LC max (mm)	h2 max (mm)	t/T max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)	
S32	29.21	11.43	15.88	4.45	26.70	28.80	13.20	1.80	18.00	21.60	0.86	
S42	34.53	14.27	19.05	7.00	34.30	37.00	18.80	2.80	27.00	50.80	1.60	
S45	41.40	15.24	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.66	
S52	38.10	15.24	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.88	
S55	41.40	17.78	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.80	
S55R	41.40	17.78	22.23	8.90	41.00	44.00	22.40	3.50	45.00	73.10	2.49	
S62	41.91	19.05	25.40	5.72	40.30	43.00	17.30	2.50	27.00	36.10	1.87	
S77	58.34	18.26	22.23	8.90	43.20	46.40	26.20	4.00	45.00	73.10	2.65	
S88	68.27	22.86	28.58	8.90	49.80	53.00	26.20	4.00	45.00	73.10	3.25	



Fenner Classic

Robust chain for everyday use

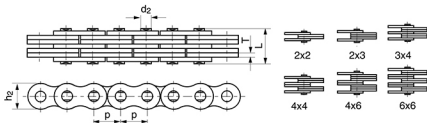
Contact your local Authorised Distributor for more information

- > Shot peened rollers and side plates
- > Case hardened pins
- > Solid rollers for increased wear life
- > Fit and forget reliability
- > Stainless steel product available
- > BS and ANSI ranges available

Leaf Chain

BL SERIES LEAF CHAINS

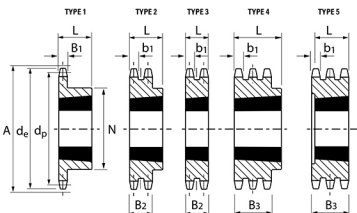
CHAIN LACING



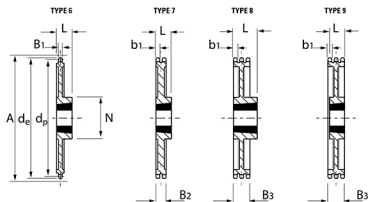
ANSI Chain No	ISO Chain No	Pitch P (mm)	Chain Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
				h2 max (mm)	t/T max (mm)	d2 max (mm)	L max (mm)	Q min (kN)	Q0 (kN)	q (kg/m)
BL422	LH0822	12.700 1/2"	2x2	12.07	2.08	5.09	11.05	22.20	27.60	0.64
BL423	LH0823		2x3				13.16	22.20	27.60	0.80
BL434	LH0834		3x4				17.40	33.40	41.40	1.12
BL444	LH0844		4x4				19.51	44.50	56.00	1.28
BL446	LH0846		4x6				23.75	44.50	56.00	1.60
BL466	LH0866		6x6				27.99	66.70	81.70	1.92
BL522	LH1022	15.875 5/8"	2x2	15.09	2.44	5.98	12.90	33.40	43.10	0.88
BL523	LH1023		2x3				15.37	33.40	43.10	1.10
BL534	LH1034		3x4				20.32	48.90	65.60	1.50
BL544	LH1044		4x4				22.78	66.70	84.50	1.80
BL546	LH1046		4x6				27.74	66.70	84.50	2.20
BL566	LH1066		6x6				32.69	100.10	125.10	2.65
BL622	LH1222	19.050 3/4"	2x2	18.11	3.30	7.94	17.37	48.90	63.60	1.45
BL623	LH1223		2x3				20.73	48.90	63.60	1.80
BL634	LH1234		3x4				27.43	75.60	102.80	2.50
BL644	LH1244		4x4				30.78	97.90	120.90	2.90
BL646	LH1246		4x6				37.49	97.90	120.90	3.60
BL666	LH1266		6x6				44.20	146.90	190.80	4.30
BL822	LH1622	25.400 1"	2x2	24.13	4.09	9.54	21.34	84.50	108.20	2.20
BL823	LH1623		2x3				25.48	84.50	108.20	2.70
BL834	LH1634		3x4				33.76	129.00	170.00	3.80
BL844	LH1644		4x4				37.90	169.00	214.60	4.30
BL846	LH1646		4x6				46.18	169.00	214.60	5.40
BL866	LH1666		6x6				54.46	253.60	324.50	6.50
BL1022	LH2022	31.750 1 1/4"	2x2	30.18	4.90	11.11	25.37	115.60	150.80	3.40
BL1023	LH2023		2x3				30.33	115.60	150.80	4.30
BL1034	LH2034		3x4				40.23	182.40	231.60	6.00
BL1044	LH2044		4x4				45.19	231.30	291.40	6.90
BL1046	LH2046		4x6				55.09	231.30	291.40	8.60
BL1066	LH2066		6x6				65.00	347.00	430.30	10.30
BL1222	LH2422	38.100 1 1/2"	2x2	36.20	5.77	12.71	29.62	151.20	192.00	4.60
BL1223	LH2423		2x3				35.43	151.20	192.00	5.80
BL1234	LH2434		3x4				47.07	244.60	315.90	8.10
BL1244	LH2444		4x4				52.88	302.50	381.10	9.30
BL1246	LH2446		4x6				64.52	302.50	381.10	11.60
BL1266	LH2466		6x6				76.15	453.70	543.60	13.90
BL1422	LH2822	44.450 1 3/4"	2x2	42.24	6.55	14.29	33.55	191.30	225.70	6.10
BL1423	LH2823		2x3				40.16	191.30	225.70	7.60
BL1434	LH2834		3x4				53.37	315.80	372.60	10.60
BL1444	LH2844		4x4				59.97	382.60	451.20	12.20
BL1446	LH2846		4x6				73.18	382.60	451.20	15.20
BL1466	LH2866		6x6				86.39	578.30	692.40	18.20
BL1622	LH3222	50.800 2"	2x2	48.26	7.52	17.46	39.01	269.10	341.10	8.00
BL1623	LH3223		2x3				46.58	269.10	341.10	10.00
BL1634	LH3234		3x4				61.72	440.40	519.60	14.00
BL1644	LH3244		4x4				69.29	578.30	680.40	16.00
BL1646	LH3246		4x6				84.43	578.30	680.40	20.00
BL1666	LH3266		6x6				99.57	857.40	1000.70	24.00

Taper Lock® Sprockets

STEEL C45



CAST IRON GG22

06B T/L SPROCKET $\frac{3}{8}$ " (9.5mm) PITCH

Tooth Width

Bh	5.3mm
b1	5.2mm
Bz	15.4mm
Bs	25.6mm

No. of Teeth	Pitch Dia dp (mm)	Outer Dia de (mm)	Dia Over Chain A (mm)	Simplex Taper Lock						Duplex Taper Lock						Triplex Taper Lock					
				Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore	
								L (mm)	N (mm)					L (mm)	N (mm)					L (mm)	N (mm)
17	51.84	56	60	026A0117	31-17	1008	1	22.2	45	026A0217	32-17	1008	2	22.2	45	026A0317	33-17	1008	5	25.6	
19	57.86	62	66	026A0119	31-19	1008	1	22.2	45	026A0219	32-19	1008	2	22.2	45	026A0319	33-19	1008	5	25.6	
20	60.89	64	68	026A0120	31-20	1008	1	22.2	46												
21	63.91	68	72	026A0121	31-21	1008	1	22.2	46	026A0221	32-21	1008	2	22.2	49	026A0321	33-21	1008	5	25.6	
23	69.95	74	78	026A0123	31-23	1210	1	25.4	63	026A0223	32-23	1210	2	25.4	59	026A0323	33-23	1210	5	25.6	
25	76.00	80	84	026A0125	31-25	1210	1	25.4	63	026A0225	32-25	1210	2	25.4	65	026A0325	33-25	1210	5	25.6	
27	82.05	86	90	026A0127	31-27	1210	1	25.4	63	026A0227	32-27	1210	2	25.4	70	026A0327	33-27	1210	5	25.6	
30	91.12	95	99	026A0130	31-30	1210	1	25.4	63	026A0230	32-30	1210	2	25.4	75	026A0330	33-30	1615	4	38.0	
38	115.34	119	123	026A0138	31-38	1210	1	25.4	70	026A0238	32-38	1610	2	25.4	80	026A0338	33-38	1615	4	38.0	
45	136.55	141	145	026A0145	31-45	1210	1	25.4	70	026A0245	32-45	1610	2	25.4	80						
47	142.90	147	151	026A0147	31-47	1210	1	25.4	70	026A0247	32-47	1610	2	25.4	80						
48	145.34	150	154	026A0148	31-48	1210	1	25.4	70	026A0248	32-48	1610	2	25.4	80						
55	176.90	181	185	026A0155	31-55	1210	6	25.4	83	026A0255	32-55	1610	7	25.4	80						
76	230.48	234	239	026A0176	31-76	1210	6	25.4	83	026A0276	32-76	1610	7	25.4	92						
95	288.08	292	296	026A0195	31-95	1210	6	25.4	83	026A0295	32-95	1610	7	25.4	92						

Taper Lock bushes supplied as a separate items

Leaf Chain

LL SERIES LEAF CHAINS

ISO Chain No	Pitch	Chain Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
	P (mm)								
LL0822	12.700 1/2"	2x2	10.00	1.30	4.45	7.60	17.00	20.40	0.35
LL0844		4x4				13.00	31.10	35.70	0.69
LL0866		6x6				18.20	44.50	50.90	1.00
LL1022	15.875 5/8"	2x2	13.70	1.60	5.08	9.20	22.30	25.50	0.54
LL1044		4x4				15.80	44.50	51.00	1.06
LL1066		6x6				22.10	66.70	76.30	1.57
LL1088		8x8	28.80	89.00	101.90	2.10			
LL1222	2x2	2x2	16.00	1.85	5.72	10.40	28.90	33.20	0.73
LL1244	19.050 3/4"	4x4				17.90	57.80	66.40	1.44
LL1266		6x6				25.40	86.70	99.70	2.15
LL1288		8x8	32.90	115.60	132.90	2.84			
LL1622	2x2	2x2	21.0	3.10	8.28	17.20	58.00	66.70	1.52
LL1644	25.400 1"	4x4				29.60	144.00	164.60	2.90
LL1666		6x6				42.40	200.00	230.00	4.30
LL1688		8x8	55.40	288.00	331.20	5.71			
LL2022	2x2	2x2	26.40	3.70	10.19	20.10	95.00	109.20	2.33
LL2044	31.750 1 1/4"	4x4				33.80	190.00	218.50	4.40
LL2066		6x6				50.10	285.00	324.60	6.79
LL2088		8x8	65.40	380.00	435.10	8.75			
LL2422	2x2	2x2	33.40	5.00	14.63	28.40	170.00	195.50	4.47
LL2444	38.100 1 1/2"	4x4				46.30	340.00	380.80	8.22
LL2466		6x6				66.40	510.00	571.20	12.22
LL2488		8x8	86.60	680.00	775.20	16.30			
LL2822	2x2	2x2	37.08	6.00	15.90	32.20	200.00	224.00	5.10
LL2844	44.450 1 3/4"	4x4				56.40	400.00	448.00	9.90
LL2866		6x6				80.60	600.00	672.00	14.60
LL2888		8x8	105.20	800.00	896.00	19.40			
LL3222	2x2	2x2	42.00	6.00	17.81	33.20	260.00	291.20	5.80
LL3244	50.800 2"	4x4				57.40	520.00	582.40	11.40
LL3266		6x6				81.60	780.00	873.60	16.90
LL3288		8x8	105.00	1050.00	1176.00	24.00			
LL4022	2x2	2x2	52.76	8.25	22.89	44.70	360.00	703.20	10.30
LL4044	63.500 2 1/2"	4x4				77.90	780.00	873.60	20.00
LL4066		6x6				111.10	1080.00	1209.60	29.50
LL4088		8x8	145.50	1500.00	1747.20	39.10			
LL4822	2x2	2x2	63.88	10.30	29.24	56.10	560.00	627.20	18.50
LL4844	76.200 3"	4x4				97.40	1120.00	1554.40	35.70
LL4866		6x6				138.90	1168.00	1308.10	53.00
LL4888		8x8	182.40	2240.00	2508.80	70.40			

CHAIN LACING



2x2



4x4



6x6



8x8

AL SERIES LEAF CHAINS

ANSI Chain No	Pitch	Chain Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
	P (mm)								
AL322	9.525 3/8"	2x2	7.70	1.30	3.58	6.80	9.00	10.20	0.23
AL422	12.700 1/2"	2x2				7.90	14.10	16.90	0.39
AL444		4x4				10.40	1.50	3.96	14.40
AL466		6x6	20.50	42.30	52.70	1.10			
AL522	2x2	2x2	12.80	2.03	5.08	10.30	22.00	27.50	0.61
AL534	15.875 5/8"	3x4				17.00	33.00	46.00	1.10
AL544		4x4				18.90	44.00	55.00	1.19
AL566		6x6	26.90	66.00	82.50	1.79			
AL622	2x2	2x2	15.60	2.42	5.94	12.40	37.00	44.40	0.86
AL644	19.050 3/4"	4x4				22.70	64.00	78.80	1.69
AL666		6x6				32.40	101.00	118.60	2.52
AL822	2x2	2x2	20.50	3.25	7.92	16.00	56.70	66.60	1.54
AL844	25.400 1"	4x4				29.40	113.40	135.60	3.00
AL866		6x6				42.50	170.00	202.30	4.46
AL1022	2x2	2x2	25.60	4.00	9.53	19.60	86.50	107.10	2.37
AL1044	31.750 1 1/4"	4x4				35.90	177.00	203.60	4.68
AL1066		6x6				52.30	265.00	315.30	7.00
AL1222	2x2	2x2	30.50	4.80	11.10	24.30	127.00	151.10	3.65
AL1244	38.100 1 1/2"	4x4				43.80	254.00	299.70	7.05
AL1266		6x6				63.00	361.00	426.30	10.44
AL1444	44.450 1 3/4"	4x4	36.40	5.60	12.64	51.30	372.70	413.60	10.34
AL1466		6x6	74.56	569.00	620.40	15.16			
AL1644	50.800 2"	4x4	41.80	6.40	14.21	58.06	471.80	522.80	12.98
AL1666		6x6	84.46	706.00	783.60	19.41			

CHAIN LACING



2x2



3x4



4x4



6x6

Taper Lock® Sprockets

08B T/L SPROCKET ½" (12.7mm) PITCH

Tooth Width

B ₁	7.2mm
b ₁	7.0mm
B ₂	21.0mm
B ₃	34.9mm

No. of Teeth	Pitch Dia.	Outer Dia.	Dia Over Chain	Simplex Taper Lock					Duplex Taper Lock					Triplex Taper Lock							
				Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore	
								L (mm)	N (mm)					L (mm)	N (mm)					L (mm)	N (mm)
15	61.09	66	73	026B0115	41-15	1008	1	22.2	45	026B0215	42-15	1008	2	22.2	46	026B0315	43-15	1008	5	34.9	
17	69.11	74	81	026B0117	41-17	1210	1	25.4	60	026B0217	42-17	1210	2	25.4	56	026B0317	43-17	1210	5	34.9	
19	77.17	82	89	026B0119	41-19	1210	1	25.4	63	026B0219	42-19	1210	2	25.4	62	026B0319	43-19	1210	5	34.9	
20	81.19	86	93	026B0120	41-20	1610	1	25.4	65												
21	85.22	90	97	026B0121	41-21	1610	1	25.4	71	026B0221	42-21	1610	2	25.4	70	026B0321	43-21	1610	5	34.9	
23	93.27	99	106	026B0123	41-23	1610	1	25.4	76	026B0223	42-23	1610	2	25.4	79	026B0323	43-23	1610	5	34.9	
25	101.32	106	113	026B0125	41-25	1610	1	25.4	76	026B0225	42-25	2012	2	32.0	87	026B0325	43-25	2012	5	34.9	
27	109.40	114	121	026B0127	41-27	1610	1	25.4	76	026B0227	42-27	2012	2	32.0	87	026B0327	43-27	2012	5	34.9	
30	121.50	126	133	026B0130	41-30	2012	1	32.0	90	026B0230	42-30	2012	2	32.0	87	026B0330	43-30	2012	5	34.9	
38	153.80	159	166	026B0138	41-38	2012	1	32.0	90	026B0238	42-38	2012	2	32.0	100	026B0338	43-38	2012	5	34.9	
45	182.07	188	195	026B0145	41-45	2012	1	32.0	100	026B0245	42-45	2012	2	32.0	100						
57	230.53	236	243	026B0157	41-57	2012	6	32.0	110	026B0257	42-57	2012	7	32.0	110						
76	307.31	312	319	026B0176	41-76	2012	6	32.0	110	026B0276	42-76	2012	7	32.0	110						
95	384.10	389	396	026B0195	41-95	2012	6	32.0	110	026B0295	42-95	2012	7	32.0	110						

Taper Lock bushes supplied as a separate item

10B T/L SPROCKET 5/8" (15.9mm) PITCH

Tooth Width

B ₁	9.1mm
b ₁	9.0mm
B ₂	25.5mm
B ₃	42.1mm

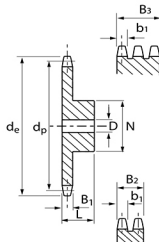
No. of Teeth	Pitch	Outer Dia.	Dia Over Chain	Simplex Taper Lock					Duplex Taper Lock					Triplex Taper Lock							
				Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore	
								L (mm)	N (mm)					L (mm)	N (mm)					L (mm)	N (mm)
13	66.34	73	81	026C0113	51-13	1008	1	22.2	47												
15	76.35	83	91	026C0115	51-15	1210	1	25.4	60	026C0215	52-15	1210	3	25.4		026C0315	53-15	1210	5	42.1	
17	86.39	93	101	026C0117	51-17	1210	1	25.4	71	026C0217	52-17	1610	3	25.4		026C0317	53-17	1210	5	42.1	
19	96.44	103	111	026C0119	51-19	1610	1	25.4	75	026C0219	52-19	1610	3	25.4		026C0319	53-19	1615	5	42.1	
20	101.49	108	116	026C0120	51-20	1610	1	25.4	76												
21	106.50	114	122	026C0121	51-21	1610	1	25.4	76	026C0221	52-21	1610	3	25.4		026C0321	53-21	1615	5	42.1	
23	116.59	124	132	026C0123	51-23	1610	1	25.4	76	026C0223	52-23	1610	3	25.4		026C0323	53-23	2012	5	42.1	
25	126.67	134	142	026C0125	51-25	2012	1	32.0	90	026C0225	52-25	2012	2	32.0	90	026C0325	53-25	2517	4	45.0	
27	136.75	144	152	026C0127	51-27	2012	1	32.0	90	026C0227	52-27	2012	2	32.0	90	026C0327	53-27	2517	4	45.0	
30	151.87	159	167	026C0130	51-30	2012	1	32.0	90	026C0230	52-30	2012	2	32.0	90	026C0330	53-30	2517	4	45.0	
38	192.23	200	208	026C0138	51-38	2012	1	32.0	100												
45	227.58	235	243	026C0145	51-45	2012	6	32.0	100												
57	288.19	296	304	026C0157	51-57	2012	6	32.0	110												
76	384.15	392	400	026C0176	51-76	2012	6	32.0	110												

Taper Lock bushes supplied as a separate item

Pilot Bored Sprockets

20B PILOT BORED SPROCKETS 1.34" X 3/4" PITCH

No. of Teeth	Pitch Dia		Simplex (027F01-)				Duplex (027F02-)				Triplex (027F03-)				Tooth Width	
	Outer Dia	Hub Dia	Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	B1	B3
	dp	de	N	L	D		N	L	D		N	L	D		18.5mm	91.0mm
8	82.96	98.10	53	40	20	A	53	75	20	A	53	110	20	A		
9	92.84	108.00	63	40	20	A	63	75	20	A	63	110	20	A		
10	102.74	117.90	70	40	20	A	70	75	20	A	70	110	20	A		
11	112.68	127.80	77	45	20	A	80	80	20	A	80	115	20	A		
12	122.68	137.80	88	45	20	A	90	80	20	A	90	115	20	A		
13	132.65	147.80	98	45	20	A	100	80	20	A	100	115	20	A		
14	142.68	157.80	108	45	20	A	110	80	20	A	110	115	20	A		
15	152.72	167.80	118	45	20	A	120	80	20	A	120	115	20	A		
16	162.75	177.80	120	50	20	A	120	80	25	A	120	115	25	A		
17	172.78	187.80	120	50	25	A	120	80	25	A	120	115	25	A		
18	182.85	198.00	120	50	25	A	120	80	25	A	120	115	25	A		
19	192.91	208.10	120	50	25	A	120	80	25	A	120	115	25	A		
20	202.98	218.10	120	50	25	A	120	80	25	B	120	115	25	B		
21	213.04	228.20	140	55	25	A	140	80	25	B	140	115	25	B		
22	223.11	238.30	140	55	25	A	140	80	25	B	140	115	25	B		
24	243.23	258.40	140	55	25	A	140	80	25	B	140	115	25	B		
25	253.33	268.50	140	55	25	A	140	80	25	B	140	115	25	B		
26	263.40	278.60	150	55	25	A	150	80	25	B	150	115	25	B		
27	273.49	288.60	150	55	25	A	150	80	25	B	150	115	25	B		
28	283.56	298.70	150	55	25	A	150	80	25	B	150	115	25	B		
29	293.65	308.80	150	55	25	A	150	80	25	B	150	115	25	B		
30	303.75	318.90	150	55	25	A	150	80	25	B	150	115	25	B		
31	313.85	329.00	150	55	25	A	150	80	25	B	150	115	30	B		
32	323.91	339.10	150	55	25	A	150	80	25	B	150	115	30	B		
33	334.01	349.20	150	55	25	A	150	80	25	B	150	115	30	B		
34	344.10	359.30	150	55	25	A	150	80	25	B	150	115	30	B		
35	354.20	369.40	150	55	25	A	150	80	25	B	150	115	30	B		
36	364.30	379.50	150	55	25	A	150	80	30	B	150	115	30	B		
37	374.39	389.50	150	55	25	A	150	80	30	B	150	115	30	B		
38	384.49	399.60	150	55	25	A	150	80	30	B	150	115	30	B		
39	394.59	409.70	150	55	25	B	150	80	30	B	150	115	30	B		
40	404.69	419.80	150	55	25	B	150	80	30	B	150	115	30	B		
57	576.25	591.50	135	80	40	B	170	100	50	B	180	130	50	B		
76	768.32	793.50	140	90	50	B	180	110	50	B	200	140	50	B		



Type A = Steel C45

Type B = Cast Iron GG22

To complete the product code insert the number of teeth required [027F0109 = 20B-1 1.34" pitch 9 tooth pilot bore sprocket]

FINISHED BORES

For bore and keywayed sprockets, the maximum finished bore diameter is normally hub diameter $N = 1.5$

Taper Lock® Sprockets

12B T/L SPROCKET 3/8" (19.0mm) PITCH

Teeth Width

B ₁	11.1mm
b ₁	10.8mm
B ₂	30.3mm
B ₃	49.8mm

No. of Teeth	Pitch Dia	Outer Dia	Dia Over Chain	Simplex Taper Lock					Duplex Taper Lock					Triplex Taper Lock							
				Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore	
								L (mm)	N (mm)					L (mm)	N (mm)					L (mm)	N (mm)
13	79.60	88	96	02600113	61-13	1210	1	25.4	60												
15	91.62	100	108	02600115	61-15	1610	1	25.4	70	02600215	62-15	1610	3	25.4		02600315	63-15	1615	5	49.8	
17	103.68	112	120	02600117	61-17	1610	1	25.4	76	02600217	62-17	1610	3	25.4		02600317	63-17	2012	5	49.8	
19	115.75	124	132	02600119	61-19	2012	1	32.0	90	02600219	62-19	2012	2	32.0	90	02600319	63-19	2012	5	49.8	
20	121.78	130	138	02600120	61-20	2012	1	32.0	95												
21	127.81	136	144	02600121	61-21	2517	1	44.5	102	02600221	62-21	2517	2	44.5	108	02600321	63-21	2517	5	49.8	
23	139.90	149	157	02600123	61-23	2517	1	44.5	108	02600223	62-23	2517	2	44.5	108	02600323	63-23	2517	5	49.8	
25	151.99	160	168	02600125	61-25	2517	1	44.5	108	02600225	62-25	2517	2	44.5	130	02600325	63-25	2517	5	49.8	
27	164.09	172	180	02600127	61-27	2517	1	44.5	108	02600227	62-27	2517	2	44.5	130	02600327	63-27	3020	4	50.8	
30	182.25	191	197	02600130	61-30	2517	1	44.5	108	02600230	62-30	2517	2	44.5	130	02600330	63-30	3020	4	50.8	
38	230.88	239	247	02600138	61-38	2517	1	44.5	108	02600238	62-38	3020	2	50.8	140	02600338	63-38	3020	4	50.8	
45	273.10	283	291	02600145	61-45	2517	6	44.5	108	02600245	62-45	3020	7	50.8	140	02600345	63-45	3020	4	50.8	
57	345.82	355	363	02600157	61-57	2517	6	44.5	124	02600257	62-57	3020	7	50.8	160	02600357	63-57	3020	8	50.8	
76	460.98	470	478	02600176	61-76	2517	6	44.5	124	02600276	62-76	3020	7	50.8	160	02600376	63-76	3020	8	50.8	
95	576.17	585	593	02600195	61-95	2517	6	44.5	124	02600295	62-95	3020	7	50.8	160						

Taper Lock bushes supplied as a separate item

16B T/L SPROCKET 1" (25.4mm) PITCH

Teeth Width

B ₁	16.2mm
b ₁	15.8mm
B ₂	47.7mm
B ₃	79.6mm

No. of Teeth	Pitch Dia	Outer Dia	Dia Over Chain	Simplex Taper Lock					Duplex Taper Lock					Triplex Taper Lock							
				Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore		Product code	Designation	Bush No.	Type	Length Bore	
								L (mm)	N (mm)					L (mm)	N (mm)					L (mm)	N (mm)
13	106.15	117	127	026E0113	81-13	1610	1	38.1	73												
15	122.17	133	143	026E0115	81-15	1610	1	38.1	76	026E0215	82-15	2012	3	44.5							
17	138.23	149	159	026E0117	81-17	2012	1	32.0	90	026E0217	82-17	2517	3	44.5		026E0317	83-17	2517	5	76.2	
19	154.33	165	175	026E0119	81-19	2517	1	44.5	108	026E0219	82-19	2517	3	44.5		026E0319	83-19	3030	5	76.2	
20	162.38	173	183	026E0120	81-20	2517	1	44.5	108	026E0220	82-20	2517	3	44.5							
21	170.43	181	191	026E0121	81-21	2517	1	44.5	110	026E0221	82-21	3020	2	50.8	140	026E0321	83-21	3030	5	76.2	
23	186.54	198	208	026E0123	81-23	2517	1	44.5	110	026E0223	82-23	3020	2	50.8	140	026E0323	83-23	3525	5	89.0	
25	202.67	214	224	026E0125	81-25	2517	1	44.5	110	026E0225	82-25	3020	2	50.8	140	026E0325	83-25	3525	5	89.0	
27	218.79	230	240	026E0127	81-27	2517	1	44.5	110	026E0227	82-27	3020	2	50.8	140	026E0327	83-27	3525	5	89.0	
30	243.00	254	264	026E0130	81-30	3020	1	50.8	140	026E0230	82-30	3020	2	76.2	140	026E0330	83-30	3525	5	89.0	
38	307.59	321	331	026E0138	81-38	3020	6	50.8	140	026E0238	82-38	3020	7	76.2	140	026E0338	83-38	3525	9	89.0	
45	364.13	377	387	026E0145	81-45	3020	6	50.8	140	026E0245	82-45	3020	7	76.2	140	026E0345	83-45	4030	9	102.0	
57	461.09	474	484	026E0157	81-57	3020	6	50.8	157	026E0257	82-57	3525	7	89.0	175	026E0357	83-57	4030	9	102.0	
76	614.63	627	637	026E0176	81-76	3020	6	50.8	157	026E0276	82-76	3525	7	89.0	175	026E0376	83-76	4030	9	102.0	

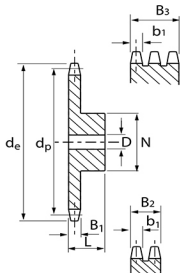
Taper Lock bushes supplied as a separate item

Pilot Bored Sprockets

05B PILOT BORED SPROCKET 8 X 3mm PITCH

No. of Teeth	Pitch Dia d_p	Outer Dia d_e	Simplex (027J01--)				Duplex (027J02--)				Tooth Width B1 2.8mm b1 2.7mm B2 8.3mm
			Hub Dia N	Length Bore L	Stock Bore D	Type	Hub Dia N	Length Bore L	Stock Bore D	Type	
8	23.36	24.00	13	12	6	A	13	18	8	A	
9	23.30	26.80	15	12	6	A	15	18	8	A	
10	25.89	29.20	17	12	8	A	17	18	8	A	
11	28.39	31.70	18	13	8	A	19	18	8	A	
12	30.91	34.20	20	13	8	A	21	18	8	A	
13	33.42	36.70	23	13	8	A	24	18	8	A	
14	35.95	39.20	25	13	8	A	26	18	8	A	
15	38.48	41.70	28	13	8	A	29	18	8	A	
16	41.01	44.30	30	14	8	A	32	20	10	A	
17	43.53	46.80	30	14	8	A	34	20	10	A	
18	46.07	49.30	30	14	8	A	37	20	10	A	
19	48.61	51.90	30	14	8	A	39	20	10	A	
20	51.14	54.40	30	14	8	A	40	20	10	A	
21	53.68	57.00	35	14	8	A	40	20	10	A	
22	56.21	59.50	35	14	8	A	40	20	10	A	
23	58.75	62.00	35	14	8	A	40	20	10	A	
24	61.29	64.60	35	14	8	A	40	20	10	A	
25	63.83	67.50	35	14	8	A	40	20	10	A	
26	66.37	69.50	40	16	10	A	50	22	12	A	
27	68.91	72.20	40	16	10	A	50	22	12	A	
28	71.45	74.80	40	16	10	A	50	22	12	A	
29	73.98	77.30	40	16	10	A	50	22	12	A	
30	76.53	79.80	40	16	10	A	50	22	12	A	
31	79.08	82.40	40	16	10	A	60	22	12	A	
32	81.61	84.90	40	16	10	A	60	22	12	A	
33	84.16	87.50	40	16	10	A	60	22	12	A	
34	86.70	90.00	40	16	10	A	60	22	12	A	
35	89.25	92.50	40	16	10	A	60	22	12	A	
36	91.79	95.00	40	16	10	A	60	22	12	A	
37	94.33	97.60	40	16	10	A	60	22	12	A	
38	96.88	100.20	40	16	10	A	60	22	12	A	
39	99.42	102.70	40	16	10	A	60	22	12	A	
40	101.97	105.30	40	16	10	A	60	22	12	A	
45	114.99	118.00	58	20	10	A	78	38	12	A	
47	145.22	149.00	70	22	10	A	78	28	12	A	
56	193.58	197.70	34	30	8	A	88	38	12	A	
55	241.56	245.10	78	34	10	A	88	43	12	A	
114	290.32	294.50	88	39	30	A	88	43	12	A	

Tooth Width
B1 2.8mm
b1 2.7mm
B2 8.3mm



Type A = Steel C45

Type B = Cast Iron GG22

To complete the product code insert the number of teeth required (027J0109 = 05B-1 8mm pitch 9 tooth pilot bore sprocket)

06B PILOT BORED SPROCKET $\frac{3}{16} \times \frac{7}{32}$ PITCH

No. of Teeth	Pitch Dia d_p	Outer Dia d_e	Simplex (027A01--)				Duplex (027A02--)				Triplex (027A03--)				Tooth Width B1 5.3mm B2 15.4mm B3 25.6mm
			Hub Dia N	Length Bore L	Stock Bore D	Type	Hub Dia N	Length Bore L	Stock Bore D	Type	Hub Dia N	Length Bore L	Stock Bore D	Type	
8	24.89	28.00	15	22	8	A	15	22	8	A	15	32	8	A	
9	27.85	31.00	16	22	8	A	18	22	8	A	18	32	8	A	
10	30.82	34.00	20	22	8	A	20	22	8	A	20	32	10	A	
11	33.80	37.00	22	25	8	A	22	25	10	A	22	35	10	A	
12	36.80	40.00	25	25	8	A	25	25	10	A	25	35	10	A	
13	39.79	43.00	28	25	10	A	28	25	10	A	28	35	10	A	
14	42.80	46.30	31	25	10	A	31	25	10	A	31	35	12	A	
15	45.81	49.30	34	25	10	A	34	25	10	A	34	35	12	A	
16	48.82	52.30	37	28	10	A	37	30	12	A	37	35	12	A	
17	51.83	55.30	40	28	10	A	40	30	12	A	40	35	12	A	
18	54.85	58.30	43	28	10	A	43	30	12	A	43	35	12	A	
19	57.87	61.30	45	28	10	A	46	30	12	A	46	35	12	A	
20	60.89	64.30	48	28	10	A	49	30	12	A	49	35	12	A	
21	63.91	68.00	48	28	12	A	52	30	12	A	52	40	14	A	
22	66.93	71.00	50	28	12	A	55	30	12	A	55	40	14	A	
23	69.95	73.50	52	28	12	A	58	30	12	A	58	40	14	A	
24	72.97	77.00	54	28	12	A	61	30	12	A	61	40	14	A	
25	76.00	80.00	57	28	12	A	64	30	12	A	64	40	14	A	
26	79.02	83.00	60	28	12	A	67	30	12	A	67	40	14	A	
27	82.05	86.00	60	28	12	A	70	38	12	A	70	40	14	A	
28	85.07	89.00	60	28	12	A	73	38	12	A	73	40	14	A	
29	88.09	92.00	60	28	12	A	76	38	12	A	76	40	14	A	
30	91.12	94.70	60	30	12	A	79	38	12	A	79	40	14	A	
31	94.15	98.20	65	30	14	A	80	30	16	A	80	40	16	A	
32	97.17	101.30	65	30	14	A	83	30	16	A	83	40	16	A	
33	100.20	104.30	65	30	14	A	86	30	16	A	86	40	16	A	
34	103.23	107.30	65	30	14	A	89	30	16	A	89	40	16	A	
35	106.26	110.40	65	30	14	A	92	30	16	A	92	40	16	A	
36	109.29	113.40	70	30	14	A	95	30	16	A	95	40	16	A	
37	112.32	116.40	70	30	14	A	98	30	16	A	98	40	16	A	
38	115.35	119.50	70	30	14	A	101	30	16	A	101	40	16	A	
39	118.37	122.50	70	30	14	A	104	30	16	A	104	40	16	A	
40	121.40	125.50	70	30	14	A	107	30	16	A	107	40	16	A	
45	136.55	140.70	70	32	19	B	80	32	19	B	90	56	24	B	
57	172.91	176.90	70	32	19	B	80	32	19	B	90	56	24	B	
76	230.49	234.50	70	32	19	B	80	32	19	B	100	56	24	B	
95	288.08	292.50	80	40	19	B	80	32	19	B	100	56	24	B	
114	345.68	350.30	80	40	20	B	95	45	20	B	100	56	24	B	

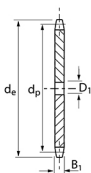
FINISHED BORES

For bore and keyway sprockets, the maximum finished bore diameter is normally hub diameter $N \pm 1.5$

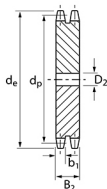
Type A = Steel C45

Type B = Cast Iron GG22

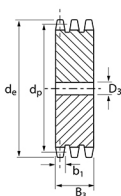
Platewheel Sprockets


05B PLATEWHEEL 8 X 3mm PITCH
(027J00— for simplex)

Teeth	B1	B2
8	2.9mm	2.7mm
9	2.7mm	2.7mm
10	2.7mm	2.7mm
11	2.7mm	2.7mm
12	2.7mm	2.7mm
13	2.7mm	2.7mm
14	2.7mm	2.7mm
15	2.7mm	2.7mm
16	2.7mm	2.7mm
17	2.7mm	2.7mm
18	2.7mm	2.7mm
19	2.7mm	2.7mm
20	2.7mm	2.7mm
21	2.7mm	2.7mm
22	2.7mm	2.7mm
23	2.7mm	2.7mm
24	2.7mm	2.7mm
25	2.7mm	2.7mm
26	2.7mm	2.7mm
27	2.7mm	2.7mm
28	2.7mm	2.7mm
29	2.7mm	2.7mm
30	2.7mm	2.7mm
31	2.7mm	2.7mm
32	2.7mm	2.7mm
33	2.7mm	2.7mm
34	2.7mm	2.7mm
35	2.7mm	2.7mm
36	2.7mm	2.7mm
37	2.7mm	2.7mm
38	2.7mm	2.7mm
39	2.7mm	2.7mm
40	2.7mm	2.7mm
41	2.7mm	2.7mm
42	2.7mm	2.7mm
43	2.7mm	2.7mm
44	2.7mm	2.7mm
45	2.7mm	2.7mm
46	2.7mm	2.7mm
47	2.7mm	2.7mm
48	2.7mm	2.7mm
49	2.7mm	2.7mm
50	2.7mm	2.7mm
51	2.7mm	2.7mm
52	2.7mm	2.7mm
53	2.7mm	2.7mm
54	2.7mm	2.7mm
55	2.7mm	2.7mm
56	2.7mm	2.7mm
57	2.7mm	2.7mm
58	2.7mm	2.7mm
59	2.7mm	2.7mm
60	2.7mm	2.7mm
61	2.7mm	2.7mm
62	2.7mm	2.7mm
63	2.7mm	2.7mm
64	2.7mm	2.7mm
65	2.7mm	2.7mm
66	2.7mm	2.7mm
67	2.7mm	2.7mm
68	2.7mm	2.7mm
69	2.7mm	2.7mm
70	2.7mm	2.7mm
71	2.7mm	2.7mm
72	2.7mm	2.7mm
73	2.7mm	2.7mm
74	2.7mm	2.7mm
75	2.7mm	2.7mm
76	2.7mm	2.7mm
77	2.7mm	2.7mm
78	2.7mm	2.7mm
79	2.7mm	2.7mm
80	2.7mm	2.7mm
81	2.7mm	2.7mm
82	2.7mm	2.7mm
83	2.7mm	2.7mm
84	2.7mm	2.7mm
85	2.7mm	2.7mm
86	2.7mm	2.7mm
87	2.7mm	2.7mm
88	2.7mm	2.7mm
89	2.7mm	2.7mm
90	2.7mm	2.7mm
91	2.7mm	2.7mm
92	2.7mm	2.7mm
93	2.7mm	2.7mm
94	2.7mm	2.7mm
95	2.7mm	2.7mm


06B PLATEWHEEL 3/8" X 7/32" PITCH
(027A00— for simplex)

Teeth	B1	B2
8	5.3mm	5.2mm
9	5.2mm	5.2mm
10	5.2mm	5.2mm
11	5.2mm	5.2mm
12	5.2mm	5.2mm
13	5.2mm	5.2mm
14	5.2mm	5.2mm
15	5.2mm	5.2mm
16	5.2mm	5.2mm
17	5.2mm	5.2mm
18	5.2mm	5.2mm
19	5.2mm	5.2mm
20	5.2mm	5.2mm
21	5.2mm	5.2mm
22	5.2mm	5.2mm
23	5.2mm	5.2mm
24	5.2mm	5.2mm
25	5.2mm	5.2mm
26	5.2mm	5.2mm
27	5.2mm	5.2mm
28	5.2mm	5.2mm
29	5.2mm	5.2mm
30	5.2mm	5.2mm
31	5.2mm	5.2mm
32	5.2mm	5.2mm
33	5.2mm	5.2mm
34	5.2mm	5.2mm
35	5.2mm	5.2mm
36	5.2mm	5.2mm
37	5.2mm	5.2mm
38	5.2mm	5.2mm
39	5.2mm	5.2mm
40	5.2mm	5.2mm
41	5.2mm	5.2mm
42	5.2mm	5.2mm
43	5.2mm	5.2mm
44	5.2mm	5.2mm
45	5.2mm	5.2mm
46	5.2mm	5.2mm
47	5.2mm	5.2mm
48	5.2mm	5.2mm
49	5.2mm	5.2mm
50	5.2mm	5.2mm
51	5.2mm	5.2mm
52	5.2mm	5.2mm
53	5.2mm	5.2mm
54	5.2mm	5.2mm
55	5.2mm	5.2mm
56	5.2mm	5.2mm
57	5.2mm	5.2mm
58	5.2mm	5.2mm
59	5.2mm	5.2mm
60	5.2mm	5.2mm
61	5.2mm	5.2mm
62	5.2mm	5.2mm
63	5.2mm	5.2mm
64	5.2mm	5.2mm
65	5.2mm	5.2mm
66	5.2mm	5.2mm
67	5.2mm	5.2mm
68	5.2mm	5.2mm
69	5.2mm	5.2mm
70	5.2mm	5.2mm
71	5.2mm	5.2mm
72	5.2mm	5.2mm
73	5.2mm	5.2mm
74	5.2mm	5.2mm
75	5.2mm	5.2mm
76	5.2mm	5.2mm
77	5.2mm	5.2mm
78	5.2mm	5.2mm
79	5.2mm	5.2mm
80	5.2mm	5.2mm
81	5.2mm	5.2mm
82	5.2mm	5.2mm
83	5.2mm	5.2mm
84	5.2mm	5.2mm
85	5.2mm	5.2mm
86	5.2mm	5.2mm
87	5.2mm	5.2mm
88	5.2mm	5.2mm
89	5.2mm	5.2mm
90	5.2mm	5.2mm
91	5.2mm	5.2mm
92	5.2mm	5.2mm
93	5.2mm	5.2mm
94	5.2mm	5.2mm
95	5.2mm	5.2mm


08B PLATEWHEEL 1/2" X 7/16" PITCH
(027B00— for simplex)

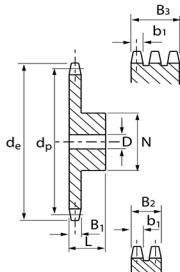
Teeth	B1	B2
8	7.2mm	7.0mm
9	7.0mm	7.0mm
10	7.0mm	7.0mm
11	7.0mm	7.0mm
12	7.0mm	7.0mm
13	7.0mm	7.0mm
14	7.0mm	7.0mm
15	7.0mm	7.0mm
16	7.0mm	7.0mm
17	7.0mm	7.0mm
18	7.0mm	7.0mm
19	7.0mm	7.0mm
20	7.0mm	7.0mm
21	7.0mm	7.0mm
22	7.0mm	7.0mm
23	7.0mm	7.0mm
24	7.0mm	7.0mm
25	7.0mm	7.0mm
26	7.0mm	7.0mm
27	7.0mm	7.0mm
28	7.0mm	7.0mm
29	7.0mm	7.0mm
30	7.0mm	7.0mm
31	7.0mm	7.0mm
32	7.0mm	7.0mm
33	7.0mm	7.0mm
34	7.0mm	7.0mm
35	7.0mm	7.0mm
36	7.0mm	7.0mm
37	7.0mm	7.0mm
38	7.0mm	7.0mm
39	7.0mm	7.0mm
40	7.0mm	7.0mm
41	7.0mm	7.0mm
42	7.0mm	7.0mm
43	7.0mm	7.0mm
44	7.0mm	7.0mm
45	7.0mm	7.0mm
46	7.0mm	7.0mm
47	7.0mm	7.0mm
48	7.0mm	7.0mm
49	7.0mm	7.0mm
50	7.0mm	7.0mm
51	7.0mm	7.0mm
52	7.0mm	7.0mm
53	7.0mm	7.0mm
54	7.0mm	7.0mm
55	7.0mm	7.0mm
56	7.0mm	7.0mm
57	7.0mm	7.0mm
58	7.0mm	7.0mm
59	7.0mm	7.0mm
60	7.0mm	7.0mm
61	7.0mm	7.0mm
62	7.0mm	7.0mm
63	7.0mm	7.0mm
64	7.0mm	7.0mm
65	7.0mm	7.0mm
66	7.0mm	7.0mm
67	7.0mm	7.0mm
68	7.0mm	7.0mm
69	7.0mm	7.0mm
70	7.0mm	7.0mm
71	7.0mm	7.0mm
72	7.0mm	7.0mm
73	7.0mm	7.0mm
74	7.0mm	7.0mm
75	7.0mm	7.0mm
76	7.0mm	7.0mm
77	7.0mm	7.0mm
78	7.0mm	7.0mm
79	7.0mm	7.0mm
80	7.0mm	7.0mm
81	7.0mm	7.0mm
82	7.0mm	7.0mm
83	7.0mm	7.0mm
84	7.0mm	7.0mm
85	7.0mm	7.0mm
86	7.0mm	7.0mm
87	7.0mm	7.0mm
88	7.0mm	7.0mm
89	7.0mm	7.0mm
90	7.0mm	7.0mm
91	7.0mm	7.0mm
92	7.0mm	7.0mm
93	7.0mm	7.0mm
94	7.0mm	7.0mm
95	7.0mm	7.0mm

No. of Teeth	Pitch Dia		Outer Dia		Stock Bore		
	dp	de	Simp D1	Dup D2	Trips D3		
8	20.90	24.00	6	8			
9	23.39	26.60	6	8			
10	25.89	29.20	8	8			
11	28.39	31.70	8	8			
12	30.91	34.20	8	8			
13	33.42	36.70	8	8			
14	35.95	39.20	8	8			
15	38.48	41.70	8	8			
16	41.01	44.30	8	10			
17	43.53	46.80	8	10			
18	46.07	49.30	8	10			
19	48.61	51.90	8	10			
20	51.14	54.40	8	10			
21	53.68	57.00	8	10			
22	56.21	59.50	8	10			
23	58.75	62.00	8	10			
24	61.29	64.60	8	10			
25	63.83	67.50	8	10			
26	66.37	69.50	10	12			
27	68.91	72.20	10	12			
28	71.45	74.80	10	12			
29	73.99	77.30	10	12			
30	76.53	79.80	10	12			
31	79.08	82.40	10	12			
32	81.61	84.90	10	12			
33	84.16	87.50	10	12			
34	86.70	90.00	10	12			
35	89.25	92.50	10	12			
36	91.79	95.00	10	12			
37	94.33	97.60	10	12			
38	96.88	100.20	10	12			
39	99.42	102.70	10	12			
40	101.97	105.30	10	12			
41	104.51	107.80	12	14			
42	107.05	110.40	12	14			
43	109.60	112.90	12	14			
44	112.14	115.50	12	14			
45	114.69	118.00	12	14			
46	117.23	12					

Pilot Bored Sprockets

08B PILOT BORED SPROCKET $\frac{1}{2} \times \frac{5}{16}$ PITCH

No. of Teeth	Pitch Dia dp	Outer Dia de	Simplex (027B01-)				Duplex (027B02-)				Triplex (027B03-)				Teeth Width B1 b1 B2 B3
			Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	
			N	L	D		N	L	D		N	L	D		
8	33.18	37.20	20	25	10	A	20	32	10	A	20	46	10	A	
9	37.13	41.90	24	25	10	A	24	32	10	A	24	46	12	A	
10	41.10	46.20	26	25	10	A	26	32	10	A	26	46	12	A	
11	45.07	48.70	29	25	10	A	32	35	12	A	32	50	14	A	
12	49.07	53.00	33	28	10	A	35	35	12	A	35	50	14	A	
13	53.06	57.40	37	28	10	A	38	35	12	A	38	50	14	A	
14	57.07	61.80	41	28	10	A	42	35	12	A	42	50	14	A	
15	61.09	65.50	45	28	10	A	46	35	12	A	46	50	14	A	
16	65.10	69.50	50	28	12	A	50	35	14	A	50	50	16	A	
17	69.11	73.60	52	28	12	A	54	35	14	A	54	50	16	A	
18	73.14	77.80	56	28	12	A	58	35	14	A	58	50	16	A	
19	77.16	81.70	60	28	12	A	62	35	14	A	62	50	16	A	
20	81.19	85.80	64	28	12	A	66	35	14	A	66	50	16	A	
21	85.22	89.70	68	28	12	A	70	40	16	A	70	55	16	A	
22	89.24	93.90	70	28	12	A	70	40	16	A	70	55	16	A	
23	93.27	98.20	70	28	14	A	70	40	16	A	70	55	16	A	
24	97.29	101.90	70	28	14	A	75	40	16	A	75	55	16	A	
25	101.33	105.30	75	30	14	A	80	40	16	A	80	55	16	A	
26	105.36	110.70	70	30	16	A	85	40	16	A	85	55	20	A	
27	109.40	114.00	70	30	16	A	85	40	16	A	85	55	20	A	
28	113.42	118.00	70	30	16	A	90	40	16	A	90	55	20	A	
29	117.46	122.90	80	30	16	A	95	40	16	A	95	55	20	A	
30	121.50	126.10	80	30	16	A	100	40	16	A	100	55	20	A	
31	125.54	130.20	90	30	16	A	100	40	20	A	110	55	20	A	
32	129.56	134.30	90	30	16	A	100	40	20	A	110	55	20	A	
33	133.60	138.40	90	30	16	A	100	40	20	A	110	55	20	A	
34	137.64	142.60	90	30	16	A	100	40	20	A	110	55	20	A	
35	141.68	146.70	90	30	16	A	100	40	20	A	110	55	20	A	
36	145.72	151.00	90	35	16	A	100	40	20	A	120	55	25	A	
37	149.75	155.30	90	35	16	A	100	40	20	A	120	55	25	A	
38	153.80	159.60	90	35	16	A	100	40	20	A	120	55	25	A	
39	157.83	162.70	90	35	16	A	100	40	20	A	120	55	25	A	
40	161.87	166.80	90	35	16	A	100	40	20	A	120	55	25	A	
45	182.67	188.00	70	40	19	B	90	50	23	B	100	60	24	B	
57	230.54	236.40	70	40	19	B	90	50	23	B	100	60	24	B	
76	307.30	313.30	80	40	23	B	100	56	23	B	100	60	24	B	
95	384.11	390.10	80	45	23	B	100	56	23	B	120	67	24	B	
114	460.91	466.90	80	45	24	B	100	63	24	B	120	67	24	B	



Type A = Steel C45

Type B = Cast Iron GG22

To complete the product code insert the number of teeth required (027B0109 = 08B-1 9° pitch 9 tooth pilot bore sprocket)

10B PILOT BORED SPROCKET $\frac{5}{16} \times \frac{3}{16}$ PITCH

No. of Teeth	Pitch Dia dp	Outer Dia de	Simplex (027C01-)				Duplex (027C02-)				Triplex (027C03-)				Teeth Width B1 b1 B2 B3
			Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	Hub Dia	Length Bore	Stock Bore	Type	
			N	L	D		N	L	D		N	L	D		
8	41.48	47.00	25	25	10	A	25	40	12	A	25	55	12	A	
9	46.42	52.60	30	25	10	A	30	40	12	A	30	55	12	A	
10	51.37	57.50	35	25	10	A	35	40	12	A	35	55	16	A	
11	56.34	63.00	37	30	12	A	39	40	14	A	39	55	16	A	
12	61.34	68.00	42	30	12	A	44	40	14	A	44	55	16	A	
13	66.32	73.00	47	30	12	A	49	40	14	A	49	55	16	A	
14	71.34	78.00	52	30	12	A	54	40	14	A	54	55	16	A	
15	76.36	83.00	57	30	12	A	59	40	14	A	59	55	16	A	
16	81.37	88.00	60	30	12	A	64	45	16	A	64	60	16	A	
17	86.39	93.00	60	30	12	A	69	45	16	A	69	60	16	A	
18	91.42	98.30	70	30	14	A	74	45	16	A	74	60	16	A	
19	96.45	103.30	70	30	14	A	79	45	16	A	79	60	16	A	
20	101.49	108.40	75	30	14	A	84	45	16	A	84	60	16	A	
21	106.52	113.40	75	30	16	A	85	45	16	A	85	60	20	A	
22	111.55	118.00	80	30	16	A	90	45	16	A	90	60	20	A	
23	116.58	123.40	80	30	16	A	95	45	16	A	95	60	20	A	
24	121.62	128.30	80	30	16	A	100	45	16	A	100	60	20	A	
25	126.64	134.00	80	30	16	A	105	45	16	A	105	60	20	A	
26	131.70	139.00	85	35	20	A	110	45	20	A	110	60	20	A	
27	136.75	144.00	85	35	20	A	110	45	20	A	110	60	20	A	
28	141.78	148.70	90	35	20	A	115	45	20	A	115	60	20	A	
29	146.83	153.80	90	35	20	A	115	45	20	A	115	60	20	A	
30	151.87	158.80	90	35	20	A	120	45	20	A	120	60	20	A	
31	156.92	163.90	95	35	20	A	120	45	20	A	120	60	20	A	
32	161.95	168.90	95	35	20	A	120	45	20	A	120	60	20	A	
33	167.00	174.50	95	35	20	A	120	45	20	A	120	60	20	A	
34	172.05	179.00	95	35	20	A	120	45	20	A	120	60	20	A	
35	177.10	184.10	95	35	20	A	120	45	20	A	120	60	20	A	
36	182.15	189.10	100	35	20	A	120	45	20	A	120	60	25	A	
37	187.20	194.20	100	35	20	A	120	45	20	A	120	60	25	A	
38	192.24	199.20	100	35	20	A	120	45	20	A	120	60	25	A	
39	197.29	204.20	100	35	20	A	120	45	20	A	120	60	25	A	
40	202.34	209.30	100	35	20	A	120	45	20	A	120	60	25	A	
45	227.88	235.00	80	40	19	B	100	50	20	B	100	60	24	B	
57	288.18	296.00	90	45	23	B	100	56	30	B	100	63	32	B	
76	384.16	392.10	90	50	23	B	100	63	30	B	110	67	35	B	
95	480.14	488.50	100	56	23	B	110	63	30	B	125	70	35	B	
114	576.13	584.10	100	56	24	B	125	70	30	B	125	80	35	B	

FINISHED BORES

For bore and keyway sprockets, the maximum finished bore diameter is normally hub diameter $N \pm 1.5$

Type A = Steel C45

Type B = Cast Iron GG22

To complete the product code insert the number of teeth required (027C0109 = 10B-1 5/8° pitch 9 tooth pilot bore sprocket)

Platewheel Sprockets

10B PLATEWHEEL $\frac{5}{8}'' \times \frac{3}{8}''$ PITCH
(027C00— for simplex)

Tooth Width	B ₁	9.1mm
	b ₁	9.0mm
	B ₂	25.5mm
	B ₃	42.1mm

No. of Teeth	Pitch Dia	Outer Dia	Stock Bore		
	dp	de	Simp D1	Dup D2	Trip D3
8	41.48	47.00	10	10	12
9	46.42	52.60	10	10	12
10	51.37	57.50	10	10	12
11	56.34	63.00	10	10	12
12	61.34	68.00	10	10	12
13	66.32	73.00	10	10	12
14	71.34	78.00	10	10	12
15	76.36	83.00	10	12	12
16	81.37	88.00	12	12	16
17	86.39	93.00	12	12	16
18	91.42	98.30	12	12	16
19	96.45	103.30	12	12	16
20	101.49	108.40	12	12	16
21	106.52	113.40	12	16	16
22	111.55	118.00	12	16	16
23	116.58	123.40	12	16	16
24	121.62	128.30	12	16	16
25	126.66	134.00	12	16	16
26	131.70	139.00	16	16	20
27	136.75	144.00	16	16	20
28	141.78	148.70	16	16	20
29	146.83	153.80	16	16	20
30	151.87	158.80	16	16	20
31	156.92	163.90	16	20	20
32	161.95	168.90	16	20	20
33	167.00	174.50	16	20	20
34	172.05	179.00	16	20	20
35	177.10	184.10	16	20	20
36	182.15	189.10	20	20	25
37	187.20	194.20	20	20	25
38	192.24	199.20	20	20	25
39	197.29	204.20	20	20	25
40	202.34	209.30	20	20	25
41	207.39	214.80	20	20	25
42	212.44	219.90	20	20	25
43	217.49	224.90	20	20	25
44	222.53	230.00	20	20	25
45	227.58	235.00	20	20	25
46	232.63	240.10	20	25	25
47	237.68	245.10	20	25	25
48	242.73	250.20	20	25	25
49	247.78	255.20	25	25	25
50	252.83	260.30	25	25	30
51	257.88	265.30	25	25	30
52	262.93	270.30	25	25	30
53	267.98	275.30	25	25	30
54	273.03	280.30	25	25	30
55	278.08	285.30	25	25	30
56	283.13	290.30	25	25	30
57	288.18	295.30	25	25	30
58	293.23	300.30	25	25	30
59	298.28	305.30	25	25	30
60	303.33	310.30	25	25	30
61	308.38	315.30	25	25	30
62	313.43	320.30	25	25	30
63	318.48	325.30	25	25	30
64	323.53	330.30	25	25	30
65	328.58	335.30	25	25	30
66	333.63	340.30	25	25	30
67	338.68	345.30	25	25	30
68	343.73	350.30	25	25	30
69	348.78	355.30	25	25	30
70	353.83	360.30	25	25	30
71	358.88	365.30	25	25	30
72	363.93	370.30	25	25	30
73	368.98	375.30	25	25	30
74	374.03	380.30	25	25	30
75	379.08	385.30	25	25	30
76	384.13	390.30	25	25	30
77	389.18	395.30	25	25	30
78	394.23	400.30	25	25	30
79	399.28	405.30	25	25	30
80	404.33	410.30	25	25	30
81	409.38	415.30	25	25	30
82	414.43	420.30	25	25	30
83	419.48	425.30	25	25	30
84	424.53	430.30	25	25	30
85	429.58	435.30	25	25	30
86	434.63	440.30	25	25	30
87	439.68	445.30	25	25	30
88	444.73	450.30	25	25	30
89	449.78	455.30	25	25	30
90	454.83	460.30	25	25	30
91	459.88	465.30	25	25	30
92	464.93	470.30	25	25	30
93	469.98	475.30	25	25	30
94	475.03	480.30	25	25	30
95	480.08	485.30	25	25	30

12B PLATEWHEEL $\frac{3}{4}'' \times \frac{7}{8}''$ PITCH
(027D00— for Simplex)

Tooth Width	B ₁	11.1mm
	b ₁	10.8mm
	B ₂	30.3mm
	B ₃	49.8mm

No. of Teeth	Pitch Dia	Outer Dia	Stock Bore		
	dp	de	Simp D1	Dup D2	Trip D3
8	49.78	57.60	12	12	12
9	55.70	62.00	12	12	12
10	61.64	68.00	12	12	12
11	67.61	75.00	14	14	16
12	73.61	81.50	14	14	16
13	79.59	87.50	14	14	16
14	85.61	93.60	14	14	16
15	91.63	99.80	14	14	16
16	97.65	106.50	14	16	16
17	103.67	111.50	14	16	16
18	109.71	118.00	14	16	16
19	115.75	124.20	14	16	16
20	121.78	129.70	14	16	16
21	127.82	136.00	16	16	20
22	133.86	141.80	16	16	20
23	139.90	148.00	16	16	20
24	145.94	153.90	16	16	20
25	152.00	160.00	16	16	20
26	158.04	166.90	16	20	20
27	164.09	172.30	16	20	20
28	170.13	178.00	16	20	20
29	176.19	184.10	16	20	20
30	182.25	190.50	16	20	20
31	188.31	196.30	20	20	25
32	194.35	203.30	20	20	25
33	200.40	209.30	20	20	25
34	206.46	214.60	20	20	25
35	212.52	221.00	20	20	25
36	218.58	226.80	20	25	25
37	224.64	232.90	20	25	25
38	230.69	239.00	20	25	25
39	236.75	245.10	20	25	25
40	242.81	251.30	20	25	25
41	248.87	257.30	20	25	25
42	254.93	264.50	20	25	25
43	260.98	270.50	25	25	25
44	267.04	276.50	25	25	25
45	273.10	282.50	25	25	25
46	279.16	287.90	25	25	25
47	285.21	294.00	25	25	25
48	291.27	300.10	25	25	25
49	297.33	306.40	25	25	30
50	303.39	312.80	25	25	30
51	309.45	319.30	25	25	30
52	315.51	325.80	25	25	30
53	321.57	332.40	25	25	30
54	327.63	339.00	25	25	30
55	333.69	345.70	25	25	30
56	339.75	352.40	25	25	30
57	345.81	359.10	25	25	30
58	351.87	365.80	25	25	30
59	357.93	372.50	25	25	30
60	364.00	379.20	25	25	30
61	370.06	385.90	25	25	30
62	376.13	392.60	25	25	30
63	382.19	399.30	25	25	30
64	388.26	406.00	25	25	30
65	394.33	412.70	25	25	30
66	400.40	419.40	25	25	30
67	406.47	426.10	25	25	30
68	412.54	432.80	25	25	30
69	418.61	439.50	25	25	30
70	424.68	446.20	25	25	30
71	430.75	452.90	25	25	30
72	436.82	459.60	25	25	30
73	442.89	466.30	25	25	30
74	448.96	473.00	25	25	30
75	455.03	479.70	25	25	30
76	461.10	486.40	25	25	30
77	467.17	493.10	25	25	30
78	473.24	499.80	25	25	30
79	479.31	506.50	25	25	30
80	485.38	513.20	25	25	30
81	491.45	519.90	25	25	30
82	497.52	526.60	25	25	30
83	503.59	533.30	25	25	30
84	509.66	540.00	25	25	30
85	515.73	546.70	25	25	30
86	521.80	553.40	25	25	30
87	527.87	560.10	25	25	30
88	533.94	566.80	25	25	30
89	540.01	573.50	25	25	30
90	546.08	580.20	25	25	30
91	552.15	586.90	25	25	30
92	558.22	593.60	25	25	30
93	564.29	600.30	25	25	30
94	570.36	607.00	25	25	30
95	576.43	613.70	25	25	30

16B PLATEWHEEL 1" X 17.02mm PITCH
(027E00— for Simplex)

Tooth Width	B ₁	16.2mm
	b ₁	15.8mm
	B ₂	47.7mm
	B ₃	79.6mm

No. of Teeth	Pitch Dia	Outer Dia	Stock Bore		
	dp	de	Simp D1	Dup D2	Trip D3
8	66.37	77.00	14	16	16
9	74.27	85.00	14	16	16
10	82.19	93.00	15	16	16
11	90.14	99.50	15	20	20
12	98.14	109.00	15	20	20
13	106.12	117.00	15	20	20
14	114.15	125.00	15	20	20
15	122.17	133.00	15	20	20
16	130.20	141.00	19	20	25
17	138.22	149.00	19	20	25
18	146.28	157.00	19	20	25
19	154.33	165.20	19	20	25
20	162.38	173.20	19	20	25
21	170.43	181.20	20	25	25
22	178.48	189.30	20	25	25
23	186.53	197.50	20	25	25
24	194.59	205.50	20	25	25
25	202.66	213.50	20	25	25
26	210.72	221.60	20	25	30
27	218.79	229.60	20	25	30
28	226.85	237.70	20	25	30
29	234.92	245.80	20	25	30
30	243.00	254.00	20	25	30
31	251.08	262.20	25	25	30
32	259.13	270.00	25	25	30
33	267.21	278.50	25	25	30
34	275.28	287.00	25	25	30
35</					

Platewheel Sprockets

20B PLATEWHEEL 1.34" X 3/4" PITCH (Q27F00-- for Simplex)

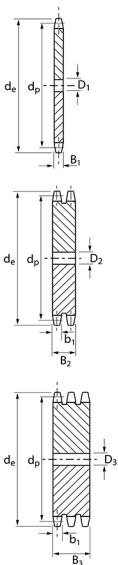
Teeth Width	B ₁	18.5mm
	b ₁	18.2mm
	B ₂	54.6mm
	B ₃	91.0mm

No. of Teeth	Pitch Dia dp	Outer Dia de	Stock Bore		
			Simp D1	Dup D2	Trip D3
8	82.96	98.10	16	20	20
9	92.84	108.00	16	20	20
10	102.74	117.90	16	20	20
11	112.68	127.80	16	20	20
12	122.68	137.80	20	20	20
13	132.65	147.80	20	20	20
14	142.68	157.80	20	20	20
15	152.72	167.90	20	20	20
16	162.75	177.90	20	25	25
17	172.78	187.90	20	25	25
18	182.85	198.00	20	25	25
19	192.91	208.10	20	25	25
20	202.98	218.10	20	25	25
21	213.04	228.20	25	25	25
22	223.11	238.30	25	25	25
23	233.17	248.30	25	25	25
24	243.23	258.40	25	25	25
25	253.33	268.50	25	25	25
26	263.40	278.60	25	25	25
27	273.49	288.60	25	25	25
28	283.56	298.70	25	25	25
29	293.65	308.80	25	25	25
30	303.75	318.90	25	25	25
31	313.85	329.00	25	25	30
32	323.91	339.10	25	25	30
33	334.01	349.20	25	25	30
34	344.10	359.30	25	25	30
35	354.20	369.40	25	25	30
36	364.30	379.50	25	30	30
37	374.39	389.50	25	30	30
38	384.49	399.60	25	30	30
39	394.59	409.70	25	30	30
40	404.69	419.80	25	30	30
41	414.77	429.90	30	30	30
42	424.86	440.00	30	30	40
43	434.96	450.10	30	30	40
44	445.06	460.20	30	30	40
45	455.17	470.30	30	30	40
46	465.25	480.40	30	30	40
47	475.35	490.50	30	30	40
48	485.45	500.60	30	30	40
57	576.35	591.50	30	30	40
76	768.32	783.50	30	30	40
95	960.25	975.20	30	30	40

MATERIAL: Steel grade C45

To complete the product code insert the number of teeth required (027C0009 = 20B-1 1.34" pitch 9 tooth simplex platewheel)

NOTE: Platewheels for use with friction torque limiting devices may require a special surface finish.



Installation and Maintenance

INSTALLATION NOTES

Shafts must be parallel. Supporting structures must be of sufficient rigidity to maintain true alignment.

Mount sprockets as close as possible to bearings.

Check correct alignment of each sprocket by use of a straight edge.

Roller chain can be used in practically any position provided the shafts are parallel.

Where the slack strand is nearly vertical, or where torque variation causes waves or whip in the chain, an idler must be used to take up the excessive slack. The idler should preferably be near to the larger sprocket in the drive, located on the outside of the slack strand of the chain. Where layout makes this impossible it is permissible to locate the idler on the inside of the chain.

LUBRICATION

Effective lubrication is essential in order to ensure optimum wear life from any chain.

To be effective it must form a film of lubricant between the wearing parts, (the pin and bush), of the chain. It has therefore to be of suitable viscosity and be delivered to the gap between the sideplates such that it can penetrate into the space between the pin and bush. The viscosity, amount and type of lubricant is governed by the size of chain and the operating conditions involved. Oil will only penetrate into the bearing area of the chain when the chain is slack, therefore oil should be delivered to the slack strand just after the driver sprocket.

High speed drives are especially critical. These generally require a continuous stream of lubricant applied across the full chain width in order to act as a coolant as well as lubricating the bearing area.

Three basic lubrication methods are recommended for use with Fenner roller chain.

TYPE 1 Drip Feed (for linear chain speeds up to 1 m/sec.)

Oil drops directed between the side plate gaps with a drip feed lubricator. Brush applicators may also be used, provided they are positioned to ensure that the oil is correctly delivered to the gap between the side plates. Volume and frequency should be sufficient to prevent discolouration of the lubricant in the chain joints. Any discolouration of the lubricant or of the pin will indicate insufficient lubrication penetrating into the bearing area. Air movement, due to the motion of the drive, can disturb and mis-direct the oil drops, therefore, with due regard for safety, check the applicator while the drive is running.

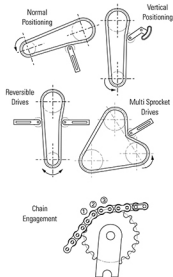
CHAIN TENSION

Chains should be fairly tight at installation with only a small amount of slack. With vertical drives the chain should be kept snug. After the first few weeks of operation, re-check chain tension and adjust if necessary.

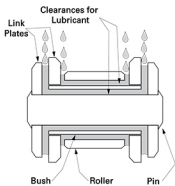
FIXED CENTRE APPLICATIONS

An idler sprocket is generally recommended for fixed centre drives. It should be positioned on the slack side as close to the larger sprocket as feasible. The tensioning sprocket should have a minimum of three teeth engaged and be a minimum of four links away from the nearest sprocket.

Chain Tensioners



Chain Lubrication



TYPE 2 Oil Bath or Disc Lubricator (for linear chain speeds up to 6 m/sec.)

With oil bath lubrication the lower strand of chain runs through an oil sump. With the chain running, the oil level in the sump should immerse the chain at its lowest point. The oil level and condition of the oil should be checked periodically to ensure sufficient volume of oil is present and that it has not emulsified or become contaminated.


A disc or oil slinger may also be used. In which case the disc picks up oil from the sump and deposits it on the chain, usually through a trough. The chain operates above the oil level. The diameter of the disc should be sufficient to ensure a rim speed between 3 and 15 m/s.

TYPE 3 Pump and Sump (for high speed drives).


Oil is pumped from the sump by a circulating pump capable of delivering a constant stream of oil, evenly distributed across the full width of the chain. The oil should be supplied on the inside of the chain loop and at the lower strand, when chain speeds exceed 10 m/s.

Taper Lock® Installation Instructions

TO INSTALL

- After ensuring that the mating tapered surfaces, bore and shaft, are completely clean and free from oil or dirt, insert the bush into the hub so that holes line up.
- Springly oil thread and point of grub screws, or thread and under head of cap screws. Place screws loosely in holes threaded in hub, shown thus  in diagram.
- If a key is to be fitted, place it in the shaft keyway before fitting the bush. It is essential that it is a parallel key and side fitting only and has TOP CLEARANCE.
- Clean shaft and fit hub to shaft as one unit and locate in position desired, remembering that bush will nip the shaft first and then hub will be slightly drawn on to the brush.
- Using a hexagon wrench tighten screws gradually and alternately to torque shown in table below.
- Hammer against large-end of bush, using a block or sleeve to prevent damage. (This will ensure that the bush is seated squarely in the bore.) Screws will now turn a little more. Repeat this alternate hammering and screw tightening once or twice to achieve maximum grip on the shaft.
- After drive has been running under load for a short time stop and check tightness of screws.
- Fill empty holes with grease to exclude dirt.

TO REMOVE

- Slacken all screws by several turns, remove one or two according to number of removal holes shown thus  in diagram. Insert screws into removal holes after oiling thread and under head of cap screws.
- Tighten screws alternately until bush is loosened in hub and assembly is free on the shaft.
- Remove assembly from shaft.



INSERT BUSH



INSERT SCREWS AND LOCATE ON SHAFT



TIGHTEN SCREWS FINGER TIGHT



TIGHTEN SCREWS ALTERNATELY



TIGHTEN SCREWS TO THE CORRECT TORQUE SETTING



REMOVING A TAPER LOCK BUSH



REMOVAL HOLES 

Bush Size	1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050	
Screw tightening torque (Nm)	5.6	5.6	20.0	20.0	20.0	30.0	50.0	90.0	90.0	115.0	115.0	170.0	170.0	190.0	190.0	270.0	270.0	
Qty	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	
Screw details	Size (BSW)	1/4"	1/4"	3/8"	3/8"	3/8"	7/16"	1/2"	5/8"	5/8"	1/2"	1/2"	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"
	Hex Socket size (mm)	3	3	5	5	5	6	6	8	8	10	10	12	12	14	14	14	14
Large end diameter (mm)	35.0	38.0	47.5	57.0	57.0	70.0	85.5	108.5	108.0	127.0	127.0	146.0	146.0	162.0	162.0	178.0	178.0	
Bush Length (mm)	22.3	22.3	25.4	25.4	38.1	31.8	44.5	50.8	76.2	63.5	89.0	76.2	102.0	89.0	114.0	102.0	127.0	
Approx mass (kg)	0.1	0.1	0.2	0.3	0.5	0.7	1.5	2.7	3.6	3.8	5.0	5.6	7.7	7.5	10.0	11.1	14.0	

Accessories

CHAIN PULLERS

For drawing ends of a chain length together, to allow insertion of connecting links.



Catalogue Code	Model	Chain sizes	Jaw Spread	Weight
02820035	35	3/8"-3/4"	50mm	0.14 kg
02820050	50	1/2"-1"	85mm	0.45 kg
02820080	80	1"-3"	125mm	0.90 kg

PIN EXTRACTORS

Splitting chain to required length is simple with this easy to use tool. The pin extractor may be used with almost any size and make of roller chain.



Catalogue Code	Max Pitch
02820001	3/8"
02820002	1 1/4"
02820003	2"

Size	Bore	Catalogue Code
RSJ	1 1/8"	02720001
NVF	2"	02720000
1/2" x 3/16" x 19T	1 1/8"	02720019
1/2" x 3/16" x 19T	1 1/8"	02720020
1/2" x 3/16" x 19T	1 1/2"	02720022
1/2" x 3/16" x 19T	2"	02720024

Accessories

The Fenner S.C.I.E.N.C.E. Explained

Did you know that 70% of friction drives are incorrectly installed?

That figure is quite astounding particularly when you consider how many applications are dependant on the efficiency and reliability of friction belt drives.

But don't panic, with a just a few simple steps and the assistance of your Local Authorised Fenner Distributor, we can ensure that your belt drives (and chain drives) achieve their optimum efficiency, full operating life and provide reliable performance.

With Fenner it's all about the **S.C.I.E.N.C.E. - Select Correctly, Install Effectively, Never Compromise Efficiency**, if you adhere to these simple rules you can be confident that your drive selection will perform.

Select Correctly

A correctly selected drive for your application will ensure the drive uses the fewest number of belts or the absolute minimum of belt width, which in turn:

- Reduces loading on the machines bearings increasing the life cycle of the machine, reducing downtime and the risk of mechanical failure
- Reduces the noise levels keeping noise pollution to a minimum at high speeds
- Reduces the amount of raw materials and resources used cutting down on waste an subsequent pollution

Install Effectively

Correct installation - once you have carefully selected your belt drive components - is paramount to the longevity and efficiency of your belt drive, by following the correct installation procedures to the letter and by using the right tools for the job, such as the Fenner laser alignment and tensioning devices, we can:

- Reduce the vibration to which the machine bearings are subjected, prolonging machine life, minimising downtime and reducing the risk of severe damage to the driven machine
- Ensure the drive operates and delivers its maximum rated power at its premium efficiency, reducing both waste and pollution
- Supply a drive which gives the maximum drive life available on the market using the minimum of resource to maintain

Never Compromise Efficiency

By including belt drives as an integral part of a planned maintenance schedule you can:

- Ensure the process up-time is at an absolute maximum giving the ultimate production output maximising operational efficiency
- Prolong the life of the drive and negate the need to waste costly resources on breakdowns and drive problems
- Extend drive, machine and bearing life to the maximum, using less raw materials and guarantee sustainability.

Remember your drive stands or falls by the accuracy of its installation, so take the time to get this right and you will reap the rewards. Use the S.C.I.E.N.C.E

Belt Tension Indicator

The Fenner Belt Tension Indicator is a simple tool that helps ensure accurate belt tension - a correctly tensioned drive avoids belt slippage which can reduce overall drive efficiency.

Product Ref: 230A0000



Fenner Drive Alignment Laser

The Fenner Drive Alignment Laser is the perfect tool for pulley and sprocket alignment. Applied magnetically in just a few seconds, the laser line projects onto targets allowing rapid adjustment for perfect alignment.



Product Ref: 230L0000

Pulley Groove Gauge

When installing new belts, the condition of the pulleys is often overlooked. 50% of new belts are fitted to worn pulleys, which can waste up to 10% of your energy input. The Fenner groove gauge can quickly help you assess the health of your pulleys.



Request your free pulley groove gauge from your Authorised Distributor.

Belt Efficiency Kit

Get the most from your wedge belt drives with the Fenner Belt Efficiency Kit. The kit contains all the tools necessary to help achieve optimum performance: Belt Tension Indicator, Pulley Groove Gauge and a simple guide to efficient wedge belt efficiency.

Product Ref: 230K0000



Product Ref: 230K0000