Flat-Flex® Imperial Drive Sprockets & Blanks

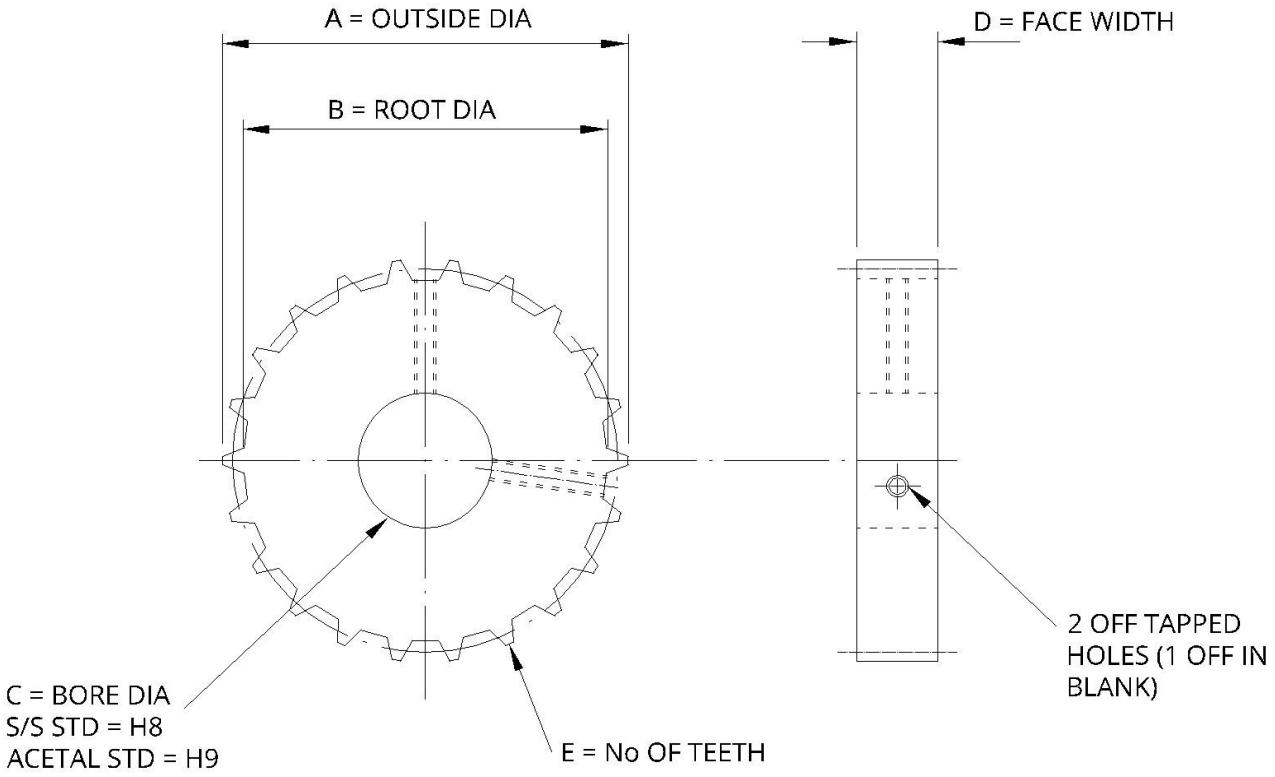
Wire Belt Company offer a comprehensive range of standard sprockets and can also manufacture to order sprockets for new or replacement applications to suit any specified Flat-Flex® belt.

To suit Belt Specification		Part Number		Sprocket Details			
Pitch mm	Wire Dia. mm	Sprocket	Blank	Outside Dia. (A) mm	Root Dia. (B) mm	Bore Dia. (C)mm	No. of Teeth
4.24 4.30 4.30	0.9 1.00 1.27	05-1128 07-1118	06-1129 08-1119	50.80	46.99	19.05	34
5.64	0.9 1.00	05-2128 07-2118	06-2129 08-2119	50.80	45.72	19.05	25
		05-2528 07-2518	06-2529 08-2519	76.20	70.00	19.05	39
		05-2428 07-2418	06-2429 08-2419			25.4	
6.35	0.9 1.00 1.27	05-3128 07-3118	06-3129 08-3119	50.80	44.19	19.05	22
		05-3228 07-3218	06-2229 08-2219	76.20	71.12	19.05	35
		05-3328 07-3318	06-2329 07-2319			25.4	
7.26	1.27 1.6	05-4128 07-4118	06-4129 08-4119	31.75	27.43	15.87	12
		05-4228 07-4218	06-2129 08-2119	50.80	45.72	19.05	20
		05-4328 07-4318	06-4329 08-4319			25.4	

To suit Belt Specification		Part Number		Sprocket Details			
Pitch mm	Wire Dia. mm	Sprocket	Blank	Outside Dia. (A) mm	Root Dia. (B) mm	Bore Dia. (C)mm	No. of Teeth
7.26	1.27 1.6	05-4428 07-4418	06-4429 08-4419	57.15	50.80	19.05	22
		05-4528 07-4518	06-4529 08-4519	76.20	68.58	19.05	29
		05-4628 07-4618	06-4629 08-4619			25.4	
11.30	1.27	05-5128 07-5118	06-5129 08-5119	76.20	70.86	25.4	19
12.70	1.83 2.35	05-6128 07-6118	06-6129 08-6119	50.80	44.95	19.05	11
		05-6228 07-6218	06-6229 08-6219			25.4	
		05-6328 07-6318	06-6329 08-6319	76.20	68.58	19.05	17
		05-6428 07-6418	06-6429 08-6419			25.4	
20.32	2.35	05-7128 07-7118	06-7129 08-7119	76.20	65.53	19.05	10
		05-7228 07-7218	06-7229 08-7219			25.4	

Pre-fixed codes '05' & '06' are Stainless Steel, pre-fixed codes '07' & '08' are Polyoxymethylene (POM)
Standard Face Width ('D') is 14.3mm; other widths are available on request.
Keyways are optional.

Standard Sprocket Dimensions



Manufacturing Tolerances:

Stainless Steel:	BS 4500	1969 H8
Polyoxymethylene:	BS 4500	1969 H9

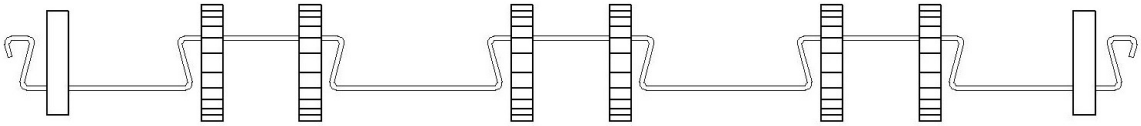
Sprockets are secured by two (2) socket head set screws at nominally 90°.
Blanks have a single fixing position only.

Sprocket Arrangements

Sprockets are usually placed in odd numbered spaces to allow use of splicing clips without interfering with sprockets. If clips are never used, placing sprockets in even numbered spaces ('Alternative' style) is acceptable. However you should never mix the two arrangements.

Standard

Alternative



Calculating the Number of Sprockets

The number of sprockets required to drive your belt depends on the number of spaces across the belt. Here's how to calculate it:

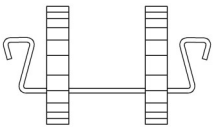
Belts with a single loop edge need one less sprocket than the number of belt spaces, plus two blanks.

Drive shafts for double loop edge belts should be set up 'Alternative' style.

Note: Two exceptions to these rules: A) a single space belt uses only two (2) sprockets; B) a three space belt requires four (4) drive sprockets and no blanks.

Three Space Belt Arrangement

Single Space Belt Arrangement



An ISO 9001:14001 Registered Company | Registered office and factory as above
Phone: +44 (0) 1795 421771 | Fax: +44 (0) 1795 428905
Website: www.wirebelt.co.uk | Email: sales@wirebelt.co.uk