

II SPROCKET NOMENCLATURE

SPROCKET MARKINGS

SPROCKET NOMENCLATURE

D40BTB25H; 40B25SS

D	Number of Strands*
40	Chain Pitch of 40
BTB	Sprocket Type
25	Number of Teeth
H	Hardened Teeth ⁺
SS	Stainless Steel

* D – Double Strand; T – Triple Strand; Q – Quadruple Strand
+ All hardened teeth are induction or flame hardened.

NOMENCLATURE

DIAGRAM

OD Outside Diameter	The diameter of the sprocket, from the tip of a tooth to a corresponding point diametrically across the sprocket.
PD Pitch Diameter	The diameter across the pitch disk. This is derived from where the chain pin lies as it is meshed upon the sprocket.
HD Hub Diameter	The diameter across the sprocket's hub.
d	Stock bore; the diameter of the bore.
L	The length through the bore. This is measured from the face of the sprocket to either the opposite face or the hub face.
GD Groove Depth	The depth of the groove within the hub.

For standard keyway dimensions, please refer to page 5.

JointWay sprockets are produced from quality steel and meet or exceed ANSI standards. During production, JointWay specifications are adhered to strictly, thus ensuring consistently quality made sprockets. This guarantees long wear for your power transmission products.

Specially made sprockets can be manufactured to your unique specifications. Contact us about prices and scheduling.



III KEYWAY SPECIFICATIONS

STANDARD KEYWAY SIZES

Listed are the standard keyway sizes furnished with corresponding bore sizes. These sizes will be furnished when keyway size is not specified on an order. If other than standard is required, please specify, "Non-Standard Keyway" when ordering.

Bore	Keyway	Bore	Keyway
1/2" to 9/16"	1/8" × 1/16"	1-13/16" to 2-1/4"	1/2" × 1/4"
5/8" to 7/8"	3/16" × 3/32"	2-5/16" to 2-3/4"	5/8" × 5/16"
15/16" to 1-1/4"	1/4" × 1/8"	2-13/15" to 3"	3/4" × 3/8"
1-5/16" to 1-3/8"	5/16" × 5/32"	3-5/16" to 3-3/4"	7/8" × 7/16"
1-7/16" to 1-3/4"	3/8" × 3/16"	3-13/16" to 4-1/2"	1" × 1/2"

Keyway Tolerances
Width: +.002 -0
Depth: +.010 -0

DECIMAL EQUIVALENTS

Inches		mm (Metric)	Inches		mm (Metric)
Fraction	Decimal		Fraction	Decimal	
1/64	0.0156	0.397	33/64	0.5156	13.097
1/32	0.0313	0.794	17/32	0.5313	13.494
3/64	0.0469	1.191	35/64	0.5469	13.891
1/16	0.0625	1.588	9/16	0.5625	14.288
5/64	0.0781	1.984	37/64	0.5781	14.684
3/32	0.0938	2.381	19/32	0.5938	15.081
7/64	0.1094	2.778	39/64	0.6094	15.478
1/8	0.1250	3.175	5/8	0.6250	15.875
9/64	0.1406	3.572	41/64	0.6406	16.272
5/32	0.1563	3.969	21/32	0.6563	16.669
11/64	0.1719	4.366	43/64	0.6719	17.066
3/16	0.1875	4.763	11/16	0.6875	17.463
13/64	0.2031	5.159	45/64	0.7031	17.859
7/32	0.2188	5.556	23/32	0.7188	18.256
15/64	0.2344	5.953	47/64	0.7344	18.653
1/4	0.2500	6.350	3/4	0.7500	19.050
17/64	0.2656	6.747	49/64	0.7656	19.447
9/32	0.2813	7.144	25/32	0.7813	19.844
19/64	0.2969	7.541	51/64	0.7969	20.241
5/16	0.3125	7.938	13/16	0.8125	20.638
21/64	0.3281	8.334	53/64	0.8281	21.034
11/32	0.3438	8.731	27/32	0.8438	21.431
23/64	0.3594	9.128	55/64	0.8594	21.828
3/8	0.3750	9.525	7/8	0.8750	22.225
25/64	0.3906	9.922	57/64	0.8906	22.622
13/32	0.4063	10.319	29/32	0.9063	23.019
27/64	0.4219	10.716	59/64	0.9219	23.416
7/16	0.4375	11.113	15/16	0.9375	23.813
29/64	0.4531	11.509	61/64	0.9531	24.209
15/32	0.4688	11.906	31/32	0.9688	24.606
31/64	0.4844	12.303	63/64	0.9844	25.003
1/2	0.5000	12.700	1	1.0000	25.400