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⁺

Stainless Steel

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	The diameter across the pitch disk. This is derived from where the chain		
Pitch Diameter	pin lies as it is meshed upon the sprocket.		
HD	The Province of the second of		
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	The depth of the groove within the hub.		
Groove Depth			

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.

^{*} D – Double Strand; T – Triple Strand; Q – Quadruple Strand

 $[\]scriptstyle +$ All hardened teeth are induction or flame hardened.

Joint Way International[™]

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