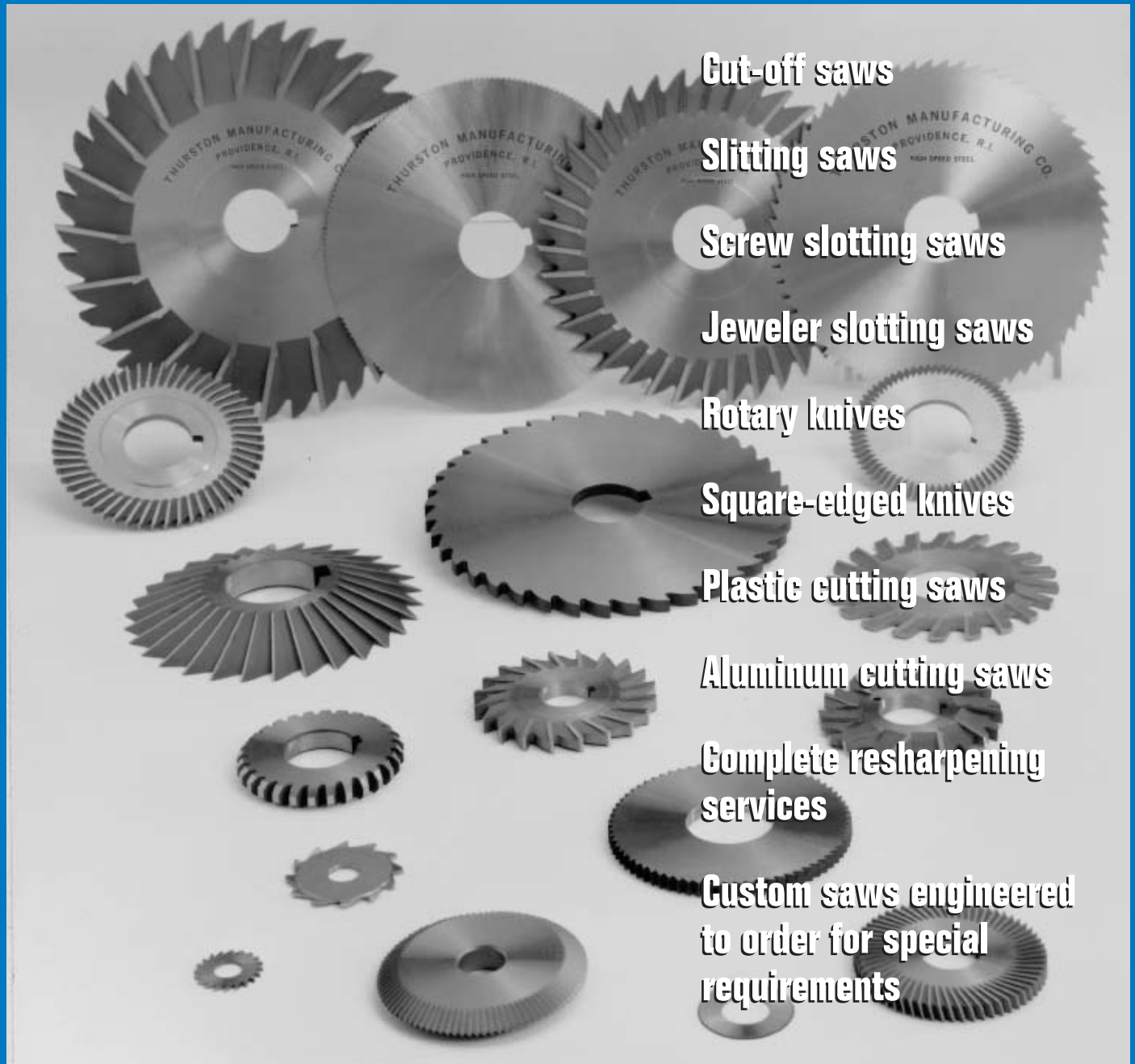




*A Cut above the rest*

# THURSTON

Catalog **N**  
Effective 4/1/09



**Cut-off saws**

**Slitting saws**

**Screw slotting saws**

**Jeweler slotting saws**

**Rotary knives**

**Square-edged knives**

**Plastic cutting saws**

**Aluminum cutting saws**

**Complete resharpening services**

**Custom saws engineered to order for special requirements**

*Made in the U.S.A.*

Any cutting tool may break or shatter under improper use, and may cause serious personal injury. If you are unfamiliar with the safe use of this product, or have any questions whatsoever, regarding the safe and appropriate use of this product, please contact Thurston Manufacturing Company (401 232-9100) for such information. Government regulations require the use of safety glasses and other safety equipment at all times in the vicinity of use.



ISO 9001: 2000  
Registered Company

## SAW SPECIALISTS

*since 1883*

**KEEP SAWS WELL-GUARDED FOR SAFETY**



## Our History...

Founded in 1883, Thurston has an unparalleled reputation of manufacturing and supplying the highest quality American Made circular cutting tool products.

As a family owned and operated business for four generations, Thurston has always invested (and will continue to invest) in precision equipment necessary to meet our customers' most demanding tolerance requests. Thus, companies, who need high quality cutting tools supplied on a consistent basis, turn to Thurston for their cutting needs.

Our skilled New England craftsmen take great pride and excel in producing special and custom saw blades and circular products. For well over 100 years, customers have provided us with their most demanding specifications for requirements that cannot be met by stock blades. We manufacture custom saws and cutters that meet the most demanding needs... the same saws and cutters other manufacturers say "can't be done."

For over 100 years... Thurston has meant Quality, Experience and Service.

## About our catalog...

The Thurston catalog lists a wide variety and selection of stock sizes and types... all fabricated, sharpened and uniformly hardened in our special salt bath treatment... for the longest possible, useful life.

If your application requires a style or dimension that cannot be met by any of our stock blades, then please call us for a quotation. We offer quick lead-times on altered stock items and complete specials. Please refer to page 12 for more details.

We also offer a complete resharpener service, even for jewelers slotting saws with very fine tooth pitches. For more detailed information, please see page 4.

Circular knives are all made as special items and are covered on page 6.

## Quality Control Guidelines

Thurston's products are tested for defects via Thurston's quality control procedures. Details of such procedures are available to customers upon request. Such procedures are designed to result in the highest possible quality of product, but individual items do contain defects upon occasion.

Thurston saws and cutting products are heat treated to give them the strength and resistance required for metal cutting. Such heat treatment, however, also results in reduced ductility of the products and consequently Thurston's saws and cutting products must be handled and operated with care to prevent impact and deflection, and must only be used in metal cutting machines of sufficient power and rigidity, operated by properly trained personnel.

Purchasers of Thurston's saws and cutting products are solely responsible for safeguarding the products and the machines in which they are installed. Such safeguards must include compliance with all applicable O.S.H.A. Regulations.

## Thurston Warranty

Thurston's Warranty states that, under proper and normal conditions of use, all of its saws and cutting products shall be free of defects in material, design and workmanship. If any Thurston product is defective, under such conditions, and Thurston is so advised by the customer within 90 days from the date of delivery to the customer, Thurston will replace such defective product, at its expense, except for the cost of shipping such defective product, or will issue a credit to the customer.

Thurston's Warranty is more fully described in its sales documents, e.g. sales orders and acknowledgments, and is solely for the benefit of Thurston's direct business customers.

Ultimate users of Thurston's products who are individuals intending to use Thurston's products for personal, household or other consumer purposes should refer to the Thurston Limited Warranty which may be found attached to each Thurston product.

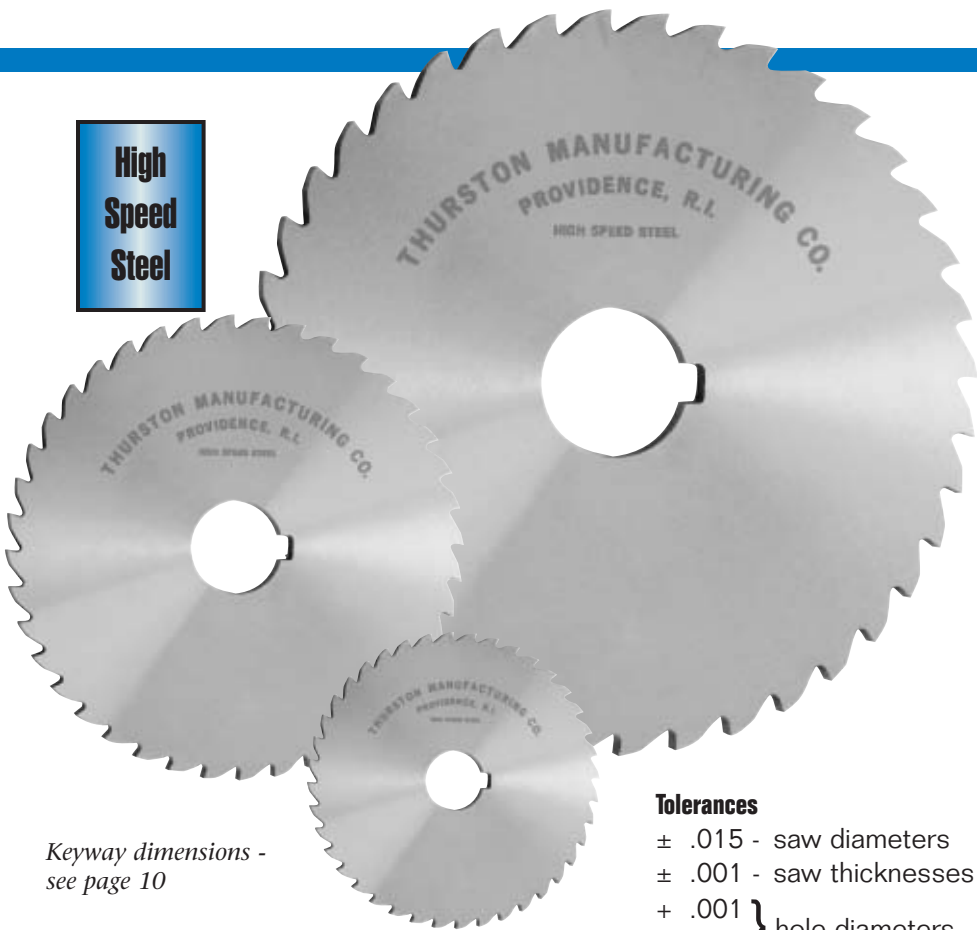
Whenever Thurston provides analysis or information to assist a customer in the application of Thurston products, such analysis and information shall not constitute a warranty of any kind with respect to said application.

## Helpful Hints For Saw Users

- **Always wear safety goggles and other appropriate safety equipment.**
- Always use the correct saw for each application.
- Keep saws sharpened. A dull saw will not cut clean... and may break the saw.
- Support saw blade by using maximum diameter side collars. Side collars should be free of any dirt or foreign material when assembling.
- Always be certain arbor nut is tightened correctly.
- Larger arbor holes provide more rigidity and least amount of deflection.
- Use proper speeds and feeds for material being machined.
- Workpiece being cut must be rigidly held and positioned correctly.
- Resharpener saws regularly to obtain consistent chip removal and uniform cutting results.
- Never stop the saw and restart during the course of a cut.



**High  
Speed  
Steel**



# THURSTON PLAIN METAL SLITTING SAWS

- **designed for general slotting or cut-off operations.**
- *teeth ground not milled.*
- *sides concave ground to insure proper side relief.*
- *10 degree positive rake angle on all blades.*
- *available with flat and parallel hubs for gang-slitting... special order*
- *available in variety of tooth modifications...see page 11.*
- *closer dimensional tolerances supplied...special order.*

Keyway dimensions - see page 10

**Tolerances**  
 ± .015 - saw diameters  
 ± .001 - saw thicknesses  
 + .001 } hole diameters  
 - .000 }

*Sizes and dimensions not listed are special... pricing upon request.*

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH
I-10	1 1/4"	1/32"	1/2"	28
I-11	1 1/4	1/16	1/2	28
I-12	1 1/2	1/32	1/2	32
I-13	1 1/2	1/16	1/2	26
I-14	1 1/2	3/32	1/2	26
I-15	1 1/2	1/8	1/2	26
I-16	1 3/4	1/32	1/2	34
I-17	1 3/4	1/16	1/2	30
I-18	1 3/4	3/32	1/2	30
I-19	1 3/4	1/8	1/2	30
I-20	2	1/32	1/2	38
I-21	2	1/16	1/2	34
I-22	2	3/32	1/2	34
I-23	2	1/8	1/2	34
I-24	2	5/32	1/2	34
I-24-A	2	3/16	1/2	34
I-25	2 1/2	1/32	7/8	28
I-26	2 1/2	3/64	7/8	28
I-27	2 1/2	1/16	7/8	28
I-28	2 1/2	3/32	7/8	28
I-29	2 1/2	1/8	7/8	28
I-30	2 1/2	3/16	7/8	28
I-31	3	1/32	1	30
I-32	3	3/64	1	30
I-33	3	1/16	1	30
I-34	3	3/32	1	30

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH
I-35	3"	1/8"	1"	30
I-36	3	5/32	1	30
I-36-A	3	3/16	1	30
I-37	4	1/32	1	36
I-38	4	3/64	1	36
I-39	4	1/16	1	36
I-40	4	3/32	1	36
I-41	4	1/8	1	36
I-42	4	5/32	1	36
I-43	4	3/16	1	36
I-44	5	1/16	1	40
I-45	5	3/32	1	40
I-46	5	1/8	1	40
I-47	5	1/8	1 1/4	40
I-49	5	5/32	1	40
I-50	5	3/16	1	40
I-51	6	1/16	1	42
I-52	6	3/32	1	42
I-53	6	1/8	1	42
I-54	6	1/8	1 1/4	42
I-55	6	3/16	1	42
I-55-A	6	3/16	1 1/4	42
I-62	8	1/8	1	46
I-63	8	1/8	1 1/4	46
I-64	8	3/16	1 1/4	46

# THURSTON METAL SLITTING SAWS WITH SIDE CHIP CLEARANCE

- *designed for deep cuts or slots where side cutting chip clearance is an important factor in maintaining width.*
- *free cutting blades do not bind in deep cutting.*
- *for deep slotting applications, all Thurston slitting saws with side chip clearance supplied with ground recess between bottom of side tooth and hub.*
- *10 degree positive rake angle - manufacturing standard.*



**Tolerances**  
 ± .015 - saw diameters  
 ± .001 - saw thicknesses  
 + .001 } hole diameters  
 - .000 }

*Sizes and dimensions not listed are special... pricing upon request.*

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH
I-74	2 1/2"	1/16"	7/8"	26
I-75	2 1/2"	3/32"	7/8"	26
I-76	2 1/2"	1/8"	7/8"	26
I-76A	2 1/2"	3/16"	7/8"	26
I-77	3"	1/16"	1"	28
I-78	3"	3/32"	1"	28
I-79	3"	1/8"	1"	28
I-80	3"	5/32"	1"	28
I-80A	3"	3/16"	1"	28
I-81	4"	1/16"	1"	34
I-82	4"	3/32"	1"	34
I-83	4"	1/8"	1"	34
I-84	4"	5/32"	1"	34
I-85	4"	3/16"	1"	34
I-86	5"	1/16"	1"	38

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH
I-87	5"	3/32"	1"	38
I-88	5"	1/8"	1"	38
I-89	5"	1/8"	1 1/4"	38
I-90	5"	5/32"	1"	38
I-91	5"	3/16"	1"	38
I-92	6"	1/16"	1"	40
I-93	6"	3/32"	1"	40
I-94	6"	1/8"	1"	40
I-95	6"	1/8"	1 1/4"	40
I-96	6"	3/16"	1"	40
I-97	6"	3/16"	1 1/4"	40
I-98	8"	1/8"	1"	44
I-99	8"	1/8"	1 1/4"	44
I-100	8"	3/16"	1 1/4"	44

## THURSTON Resharpener Service Resharpener Saw Blades to Factory Grind Specifications Using State-of-the-Art Grinding Machines

- *resharpening of all types of tooth forms available... see page 11.*
- *finer tooth pitches... 12-1 TPI and finer... may require tooth removal before regashing, resulting in a reduced diameter.*

- *regashing to new tooth styles and tooth pitches also available.*
- *certain type blades resharpened in gangs... call for minimum quantity requirements and pricing.*

### Specifications:

- *sizes - 1" - 16" diameters*
- *tooth pitches - up to 50 teeth per inch*
- *styles - circular only*
- *materials - all brands of high-speed steel... carbide items not accepted for resharpening*

# THURSTON CUTTING SAWS

- *designed for cutting aluminum, brass, soft metals, and plastics in form of tubing, sheets and light extruded rods, bars and shapes.*
- *high speed steel hardened and ground.*
- *sides ground with clearance hole.*
- *teeth ground on face with well-rounded gullet designed for soft materials... plus ground up sharp with no land on top.*

Saws with 1" holes have keyways

Sizes and dimensions not listed are special... pricing upon request.

**High  
Speed  
Steel**



### Tolerances

- ± .015 - saw diameters
- ± .001 - saw thicknesses
- + .001 } hole diameters
- .000 }

CATALOG NO.	DIAMETER	THICKNESS	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH	SPEED* R.P.M.
I-287	2"	.020"	1/2"	12	72	6000
I-288	2	.030	1/2	10	60	6000
I-289	2	.040	1/2	8	50	6000
I-290	2	.050	1/2	6	36	6000
I-291	3	.020	1/2	12	110	6000
I-291-1	3	.020	1	12	110	6000
I-292	3	.030	1/2	10	90	6000
I-292-1	3	.030	1	10	90	6000
I-293	3	.040	1/2	8	70	6000
I-293-1	3	.040	1	8	70	6000
I-293-A	3	.050	1/2	4	40	6000
I-293-A-1	3	.050	1	4	40	6000
I-294	4	.020	1/2	12	150	4800
I-294-1	4	.020	1	12	150	4800
I-295	4	.030	1/2	10	130	4800
I-295-1	4	.030	1	10	130	4800
I-296	4	.040	1/2	8	100	4800
I-296-1	4	.040	1	8	100	4800
I-296-A	4	.050	1/2	4	50	4800
I-296-A-1	4	.050	1	4	50	4800
I-297	5	.020	1/2	12	190	3750
I-297-1	5	.020	1	12	190	3750
I-298	5	.030	1/2	10	160	3750
I-298-1	5	.030	1	10	160	3750
I-299	5	.040	1/2	8	130	3750
I-299-1	5	.040	1	8	130	3750
I-299-A	5	.050	1/2	4	64	3750
I-299-A-1	5	.050	1	4	64	3750
I-300	6	.020	1/2	12	224	3180

CATALOG NO.	DIAMETER	THICKNESS	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH	SPEED* R.P.M.
I-300-5	6"	.020"	5/8"	12	224	3180
I-300-1	6	.020	1	12	224	3180
I-301	6	.035	1/2	10	190	3180
I-301-5	6	.035	5/8	10	190	3180
I-301-1	6	.035	1	10	190	3180
I-302	6	.050	1/2	6	110	3180
I-302-5	6	.050	5/8	6	110	3180
I-302-1	6	.050	1	6	110	3180
I-302-A	6	.050	1/2	4	72	3180
I-302-A-5	6	.050	5/8	4	72	3180
I-302-A-1	6	.050	1	4	72	3180
I-303-5	7	.020	5/8	12	260	2720
I-303-1	7	.020	1	12	260	2720
I-304-5	7	.035	5/8	10	224	2720
I-304-1	7	.035	1	10	224	2720
I-305-5	7	.050	5/8	6	130	2720
I-305-1	7	.050	1	6	130	2720
I-306	8	.035	1/2	10	250	2380
I-306-5	8	.035	5/8	10	250	2380
I-306-1	8	.035	1	10	250	2380
I-307-5	8	.050	5/8	8	200	2380
I-307-1	8	.050	1	8	200	2380
I-308-5	8	.065	5/8	4	100	2380
I-308-1	8	.065	1	4	100	2380
I-309-5	8	.065	5/8	8	200	2380
I-309-1	8	.065	1	8	200	2380
I-310-5	8	.065	5/8	12	300	2380
I-310-1	8	.065	1	12	300	2380

\*These speeds are for aluminum, brass and plastic only.

# THURSTON CIRCULAR SLITTING KNIVES

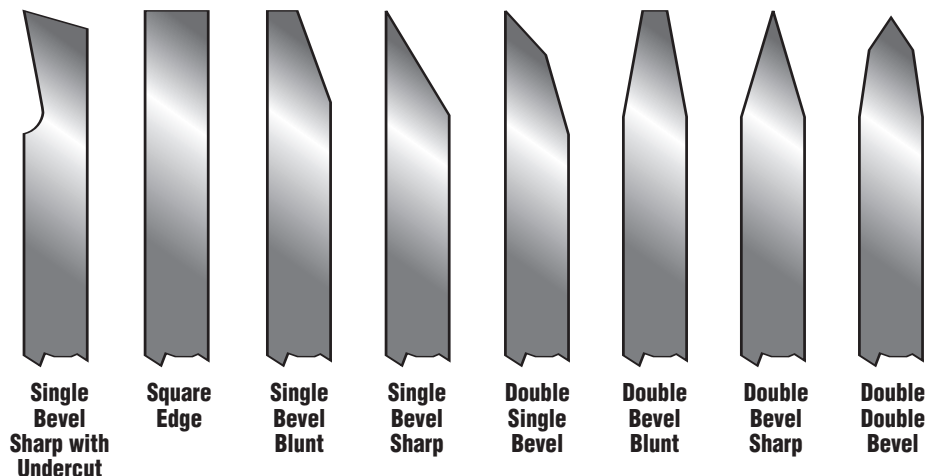
## Custom-Designed for all Purposes

- *designed for cutting thin sheet steel, paper, cloth, fabric, rubber, etc.*
- *edges ground square or with single or double bevels (as illustrated)... ground spacing collars available where knives used in gangs.*
- *all knives, rings and spacing collars made to order... diameters available from 3/4" to 8" maximum.*
- *knives normally available in choice of M-2 or High Carbon High Chrome Steel... stripper rings and spacing collars made of Carbon Steel.*
- *speciality steels also available. Please call for pricing*
- *all knives made to order... when ordering or requesting prices, please specify:*
  - *diameter*
  - *thickness*
  - *hole size*
  - *keyway*
  - *tolerances*
  - *edge shape*
  - *steel type*
  - *RMS*
- *we will be happy to quote prices upon receipt of your requirements*

## Circular Knives Stripper Rings Spacing Collars



**All knives made to order...  
shape desired must be specified...  
pricing upon request**



# THURSTON STANDARD SCREW SLOTING SAWS

Keyway dimensions -  
see page 10

- *designed for shallow slotting cuts... not recommended for deep cuts.*
- *teeth ground... not milled... insure saw blades run "true-concentric".*
- *concave ground sides insure proper side relief.*
- *available with any number of teeth...special order.*
- *closer dimensional tolerances and tooth modifications available...special order.*

### Tolerances

- ± .015 - saw diameters
- ± .001 - saw thicknesses
- + .001
- .000 } hole diameters



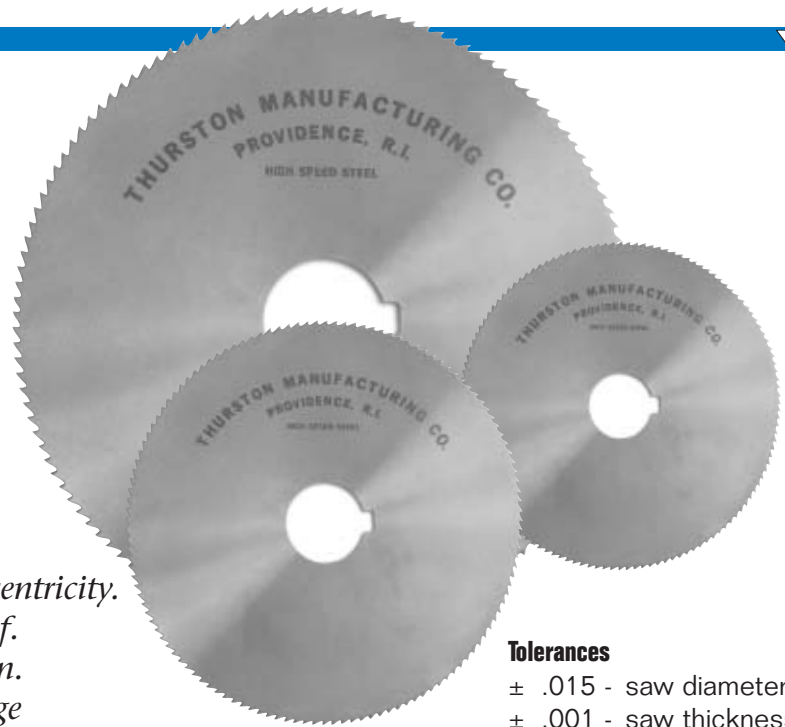
**High  
Speed  
Steel**

Sizes and dimensions not listed are special... pricing upon request.

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH	CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH	CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH
J-82	1 3/4	.006	5/8	90	J-56	2 1/4	.023	5/8	60	J-30	2 3/4"	.036"	1"	72
J-82CC	1 3/4	.006	5/8	130	J-56F	2 1/4	.023	5/8	130	J-29KK	2 3/4	.040	3/4	72
J-81	1 3/4	.008	5/8	90	J-55	2 1/4	.025	5/8	60	J-29-4	2 3/4	.040	1	44
J-81CC	1 3/4	.008	5/8	130	J-55F	2 1/4	.025	5/8	130	J-29-5	2 3/4	.040	1	56
J-80	1 3/4	.010	5/8	90	J-54	2 1/4	.028	5/8	60	J-29	2 3/4	.040	1	72
J-80CC	1 3/4	.010	5/8	130	J-54F	2 1/4	.028	5/8	130	J-28KK	2 3/4	.045	3/4	72
J-79	1 3/4	.013	5/8	90	J-53	2 1/4	.032	5/8	60	J-28-4	2 3/4	.045	1	44
J-79CC	1 3/4	.013	5/8	130	J-53F	2 1/4	.032	5/8	130	J-28-5	2 3/4	.045	1	56
J-78	1 3/4	.014	5/8	90	J-52	2 1/4	.036	5/8	60	J-28	2 3/4	.045	1	72
J-78CC	1 3/4	.014	5/8	130	J-52F	2 1/4	.036	5/8	130	J-27KK	2 3/4	.051	3/4	72
J-77	1 3/4	.016	5/8	90	J-51	2 1/4	.040	5/8	60	J-27-4	2 3/4	.051	1	44
J-77CC	1 3/4	.016	5/8	130	J-51F	2 1/4	.040	5/8	130	J-27-5	2 3/4	.051	1	56
J-76	1 3/4	.018	5/8	90	J-50	2 1/4	.045	5/8	60	J-27	2 3/4	.051	1	72
J-76CC	1 3/4	.018	5/8	130	J-50F	2 1/4	.045	5/8	130	J-26KK	2 3/4	.057	3/4	72
J-75	1 3/4	.020	5/8	90	J-49	2 1/4	.051	5/8	60	J-26-4	2 3/4	.057	1	44
J-75CC	1 3/4	.020	5/8	130	J-49F	2 1/4	.051	5/8	130	J-26-5	2 3/4	.057	1	56
J-74	1 3/4	.023	5/8	90	J-48	2 1/4	.057	5/8	60	J-26	2 3/4	.057	1	72
J-74CC	1 3/4	.023	5/8	130	J-48F	2 1/4	.057	5/8	130	J-25KK	2 3/4	.064	3/4	72
J-73	1 3/4	.025	5/8	90	J-47	2 1/4	.064	5/8	60	J-25-4	2 3/4	.064	1	44
J-73CC	1 3/4	.025	5/8	130	J-47F	2 1/4	.064	5/8	130	J-25-5	2 3/4	.064	1	56
J-72	1 3/4	.028	5/8	90	J-46	2 1/4	.072	5/8	60	J-25	2 3/4	.064	1	72
J-72CC	1 3/4	.028	5/8	130	J-045	2 1/4	.081	5/8	60	J-24KK	2 3/4	.072	3/4	72
J-71	1 3/4	.032	5/8	90	J-44	2 1/4	.091	5/8	60	J-24-4	2 3/4	.072	1	44
J-71CC	1 3/4	.032	5/8	130	J-43	2 1/4	.102	5/8	60	J-24-5	2 3/4	.072	1	56
J-70	1 3/4	.036	5/8	90	J-42KK	2 3/4	.006	3/4	72	J-24	2 3/4	.072	1	72
J-70CC	1 3/4	.036	5/8	130	J-42	2 3/4	.006	1	72	J-23KK	2 3/4	.081	3/4	72
J-69	1 3/4	.040	5/8	90	J-41KK	2 3/4	.008	3/4	72	J-23-4	2 3/4	.081	1	44
J-69CC	1 3/4	.040	5/8	130	J-41	2 3/4	.008	1	72	J-23-5	2 3/4	.081	1	56
J-68	1 3/4	.045	5/8	90	J-40KK	2 3/4	.010	3/4	72	J-23	2 3/4	.081	1	72
J-68CC	1 3/4	.045	5/8	130	J-40	2 3/4	.010	1	72	J-22KK	2 3/4	.091	3/4	72
J-67	1 3/4	.051	5/8	90	J-39KK	2 3/4	.013	3/4	72	J-22-4	2 3/4	.091	1	44
J-67CC	1 3/4	.051	5/8	130	J-39	2 3/4	.013	1	72	J-22-5	2 3/4	.091	1	56
J-66	1 3/4	.057	5/8	90	J-38KK	2 3/4	.014	3/4	72	J-22	2 3/4	.091	1	72
J-66CC	1 3/4	.057	5/8	130	J-38	2 3/4	.014	1	72	J-21KK	2 3/4	.102	3/4	72
J-65	1 3/4	.064	5/8	90	J-37KK	2 3/4	.016	3/4	72	J-21-4	2 3/4	.102	1	44
J-65CC	1 3/4	.064	5/8	130	J-37	2 3/4	.016	1	72	J-21-5	2 3/4	.102	1	56
J-64	2 1/4	.006	5/8	60	J-36KK	2 3/4	.018	3/4	72	J-21	2 3/4	.102	1	72
J-64F	2 1/4	.006	5/8	130	J-36	2 3/4	.018	1	72	J-20KK	2 3/4	.114	3/4	72
J-63	2 1/4	.008	5/8	60	J-35KK	2 3/4	.020	3/4	72	J-20-4	2 3/4	.114	1	44
J-63F	2 1/4	.008	5/8	130	J-35	2 3/4	.020	1	72	J-20-5	2 3/4	.114	1	56
J-62	2 1/4	.010	5/8	60	J-34KK	2 3/4	.023	3/4	72	J-20	2 3/4	.114	1	72
J-62F	2 1/4	.010	5/8	130	J-34	2 3/4	.023	1	72	J-19KK	2 3/4	.128	3/4	72
J-61	2 1/4	.013	5/8	60	J-33KK	2 3/4	.025	3/4	72	J-19-4	2 3/4	.128	1	44
J-61F	2 1/4	.013	5/8	130	J-33-5	2 3/4	.025	1	56	J-19-5	2 3/4	.128	1	56
J-60	2 1/4	.014	5/8	60	J-33	2 3/4	.025	1	72	J-19	2 3/4	.128	1	72
J-60F	2 1/4	.014	5/8	130	J-32KK	2 3/4	.028	3/4	72	J-18-4	2 3/4	.144	1	44
J-59	2 1/4	.016	5/8	60	J-32-5	2 3/4	.028	1	56	J-18-5	2 3/4	.144	1	56
J-59F	2 1/4	.016	5/8	130	J-32	2 3/4	.028	1	72	J-18	2 3/4	.144	1	72
J-58	2 1/4	.018	5/8	60	J-31KK	2 3/4	.032	3/4	72	J-17-4	2 3/4	.162	1	44
J-58F	2 1/4	.018	5/8	130	J-31-5	2 3/4	.032	1	56	J-17-5	2 3/4	.162	1	56
J-57	2 1/4	.020	5/8	60	J-31	2 3/4	.032	1	72	J-17	2 3/4	.162	1	72
J-57F	2 1/4"	.020"	5/8"	130	J-30KK	2 3/4	.036	3/4	72	J-16-4	2 3/4	.182	1	44
					J-30-4	2 3/4	.036	1	44	J-16-5	2 3/4	.182	1	56
					J-30-5	2 3/4	.036	1	56	J-16	2 3/4	.182	1	72

# THURSTON JEWELER'S SLOTING SAWS WITH TEETH GROUND

**High  
Speed  
Steel**



Standard Keyway on  
1" holes - see page 10

### Tolerances

- ± .015 - saw diameters
- ± .001 - saw thicknesses
- + .001 } hole diameters
- .000 }

- *designed for slotting thin material, requiring light, delicate cuts such as wire, thin tubing and extrusions.*
- *all teeth ground... not milled... for best concentricity.*
- *concave ground sides insure proper side relief.*
- *large hole sizes suggested to reduce deflection.*
- *blades can be sharpened by Thurston in large quantity groupings... call/fax for pricing.*

Sizes and dimensions not listed are special... pricing upon request.

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
14A,	1	.004	3/8	30	90
14CC	1	.006	1/4	30	90
14LL	1	.006	5/16	30	90
14	1	.006	3/8	30	90
12CC	1	.008	1/4	30	90
12LL	1	.008	5/16	30	90
12	1	.008	3/8	30	90
10CC	1	.010	1/4	30	90
10LL	1	.010	5/16	30	90
10	1	.010	3/8	30	90
8CC	1	.012	1/4	30	90
8LL	1	.012	5/16	30	90
8	1	.012	3/8	30	90
7CC	1	.014	1/4	24	80
7LL	1	.014	5/16	24	80
7	1	.014	3/8	24	80
6CC	1	.016	1/4	24	80
6LL	1	.016	5/16	24	80
6	1	.016	3/8	24	80
5CC	1	.018	1/4	24	80
5LL	1	.018	5/16	24	80
5	1	.018	3/8	24	80
4CC	1	.020	1/4	24	80
4LL	1	.020	5/16	24	80
4	1	.020	3/8	24	80
3CC	1	.023	1/4	24	80
3LL	1	.023	5/16	24	80
3	1	.023	3/8	24	80
2CC	1	.025	1/4	24	80
2LL	1	.025	5/16	24	80
2	1	.025	3/8	24	80
1CC	1	.028	1/4	24	80
1LL	1	.028	5/16	24	80
1	1	.028	3/8	24	80
301CC	1	.032	1/4	24	80
301LL	1	.032	5/16	24	80
301	1	.032	3/8	24	80

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
325	1 1/4	.004	3/8	30	120
324CC	1 1/4	.006	5/16	30	120
324	1 1/4	.006	3/8	30	120
324LL	1 1/4	.006	1/2	30	120
323CC	1 1/4	.008	5/16	30	120
323	1 1/4	.008	3/8	30	120
323LL	1 1/4	.008	1/2	30	120
322CC	1 1/4	.010	5/16	30	120
322	1 1/4	.010	3/8	30	120
321CC	1 1/4	.012	5/16	30	120
321	1 1/4	.012	3/8	30	120
321LL	1 1/4	.012	1/2	30	120
320CC	1 1/4	.014	5/16	24	100
320	1 1/4	.014	3/8	24	100
320LL	1 1/4	.014	1/2	24	100
319CC	1 1/4	.016	5/16	24	100
319	1 1/4	.016	3/8	24	100
319LL	1 1/4	.016	1/2	24	100
318CC	1 1/4	.018	5/16	24	100
318	1 1/4	.018	3/8	24	100
318LL	1 1/4	.018	1/2	24	100
317CC	1 1/4	.020	5/16	24	100
317	1 1/4	.020	3/8	24	100
317LL	1 1/4	.020	1/2	24	100
316CC	1 1/4	.023	5/16	24	100
316	1 1/4	.023	3/8	24	100
316LL	1 1/4	.023	1/2	24	100
315CC	1 1/4	.025	5/16	24	100
315	1 1/4	.025	3/8	24	100
315LL	1 1/4	.025	1/2	24	100
314CC	1 1/4	.028	5/16	24	100
314	1 1/4	.028	3/8	24	100
314LL	1 1/4	.028	1/2	24	100
313CC	1 1/4	.032	5/16	24	100
313	1 1/4	.032	3/8	24	100
313LL	1 1/4	.032	1/2	24	100





CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
29CC	1 1/2	.006	3/8	30	140
29	1 1/2	.006	1/2	30	140
27CC	1 1/2	.008	3/8	30	140
27	1 1/2	.008	1/2	30	140
25CC	1 1/2	.010	3/8	30	140
25	1 1/2	.010	1/2	30	140
23CC	1 1/2	.012	3/8	30	140
23	1 1/2	.012	1/2	30	140
22CC	1 1/2	.014	3/8	24	110
22	1 1/2	.014	1/2	24	110
21CC	1 1/2	.016	3/8	24	110
21	1 1/2	.016	1/2	24	110
20CC	1 1/2	.018	3/8	24	110
20	1 1/2	.018	1/2	24	110
19CC	1 1/2	.020	3/8	24	110
19	1 1/2	.020	1/2	24	110
18CC	1 1/2	.023	3/8	24	110
18	1 1/2	.023	1/2	24	110
17CC	1 1/2	.025	3/8	24	110
17	1 1/2	.025	1/2	24	110
16CC	1 1/2	.028	3/8	24	110
16	1 1/2	.028	1/2	24	110
15CC	1 1/2	.032	3/8	24	110
15	1 1/2	.032	1/2	24	110
50CC	1 3/4	.006	3/8	30	160
50	1 3/4	.006	1/2	30	160
48CC	1 3/4	.008	3/8	30	160
48	1 3/4	.008	1/2	30	160
46CC	1 3/4	.010	3/8	30	160
46	1 3/4	.010	1/2	30	160
44CC	1 3/4	.012	3/8	30	160
44	1 3/4	.012	1/2	30	160
43CC	1 3/4	.014	3/8	24	130
43	1 3/4	.014	1/2	24	130
42CC	1 3/4	.016	3/8	24	130
42	1 3/4	.016	1/2	24	130
41CC	1 3/4	.018	3/8	24	130
41	1 3/4	.018	1/2	24	130
40CC	1 3/4	.020	3/8	24	130
40	1 3/4	.020	1/2	24	130
39CC	1 3/4	.023	3/8	24	130
39	1 3/4	.023	1/2	24	130
38CC	1 3/4	.025	3/8	24	130
38	1 3/4	.025	1/2	24	130
37CC	1 3/4	.028	3/8	24	130
37	1 3/4	.028	1/2	24	130
36CC	1 3/4	.032	3/8	24	130
36	1 3/4	.032	1/2	24	130
71CC	2	.006	3/8	30	190
71	2	.006	1/2	30	190
69CC	2	.008	3/8	30	190
69	2	.008	1/2	30	190
67CC	2	.010	3/8	30	190
67	2	.010	1/2	30	190
65CC	2	.012	3/8	30	190
65	2	.012	1/2	30	190
64CC	2	.014	3/8	24	150
64	2	.014	1/2	24	150
63CC	2	.016	3/8	24	150
63	2	.016	1/2	24	150
62CC	2	.018	3/8	24	150
62	2	.018	1/2	24	150
61CC	2	.020	3/8	24	150

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
61	2	.020	1/2	24	150
60CC	2	.023	3/8	24	150
60	2	.023	1/2	24	150
59CC	2	.025	3/8	24	150
59	2	.025	1/2	24	150
58CC	2	.028	3/8	24	150
58	2	.028	1/2	24	150
57CC	2	.032	3/8	18	110
57	2	.032	1/2	18	110
56CC	2	.035	3/8	18	110
56	2	.035	1/2	18	110
55CC	2	.040	3/8	18	110
55	2	.040	1/2	18	110
54CC	2	.045	3/8	18	110
54	2	.045	1/2	18	110
53CC	2	.051	3/8	18	110
53	2	.051	1/2	18	110
52CC	2	.057	3/8	18	110
52	2	.057	1/2	18	110
92	2 1/2	.006	1/2	30	240
90	2 1/2	.008	1/2	30	240
88	2 1/2	.010	1/2	30	240
86	2 1/2	.012	1/2	30	240
85	2 1/2	.014	1/2	24	190
84	2 1/2	.016	1/2	24	190
83	2 1/2	.018	1/2	24	190
82	2 1/2	.020	1/2	24	190
81	2 1/2	.023	1/2	24	190
80	2 1/2	.025	1/2	24	190
79	2 1/2	.028	1/2	24	190
78	2 1/2	.032	1/2	18	140
77	2 1/2	.035	1/2	18	140
76	2 1/2	.040	1/2	18	140
75	2 1/2	.045	1/2	18	140
74	2 1/2	.051	1/2	18	140
73	2 1/2	.057	1/2	18	140
112	3	.006	1/2	30	280
112-1	3	.006	1	30	280
111	3	.008	1/2	30	280
111-1	3	.008	1	30	280
109	3	.010	1/2	30	280
109-1	3	.010	1	30	280
107	3	.012	1/2	30	280
107-1	3	.012	1	30	280
106	3	.014	1/2	24	224
106-1	3	.014	1	24	224
105	3	.016	1/2	24	224
105-1	3	.016	1	24	224
104	3	.018	1/2	24	224
104-1	3	.018	1	24	224
103	3	.020	1/2	24	224
103-1	3	.020	1	24	224
102	3	.023	1/2	24	224
102-1	3	.023	1	24	224
101	3	.025	1/2	24	224
101-1	3	.025	1	24	224
100	3	.028	1/2	24	224
100-1	3	.028	1	24	224
99	3	.032	1/2	18	170
99-1	3	.032	1	18	170
98	3	.035	1/2	18	170
98-1	3	.035	1	18	170
97	3	.040	1/2	18	170



CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
97-1	3	.040	1	18	170
96	3	.045	1/2	18	170
96-1	3	.045	1	18	170
95	3	.051	1/2	18	170
95-1	3	.051	1	18	170
94	3	.057	1/2	18	170
94-1	3	.057	1	18	170
128	4	.010	1/2	30	380
128-1	4	.010	1	30	380
126	4	.012	1/2	30	380
126-1	4	.012	1	30	380
125	4	.014	1/2	24	300
125-1	4	.014	1	24	300
124	4	.016	1/2	24	300
124-1	4	.016	1	24	300
123	4	.018	1/2	24	300
123-1	4	.018	1	24	300
122	4	.020	1/2	24	300
122-1	4	.020	1	24	300
121	4	.023	1/2	24	300
121-1	4	.023	1	24	300
120	4	.025	1/2	24	300
120-1	4	.025	1	24	300
119	4	.028	1/2	24	300
119-1	4	.028	1	24	300
118	4	.032	1/2	18	224
118-1	4	.032	1	18	224
117	4	.035	1/2	18	224
117-1	4	.035	1	18	224
116	4	.040	1/2	18	224
116-1	4	.040	1	18	224
115	4	.045	1/2	18	224
115-1	4	.045	1	18	224
114	4	.051	1/2	18	224
114-1	4	.051	1	18	224
113	4	.057	1/2	18	224
113-1	4	.057	1	18	224
113AA	4	.064	1/2	18	224
113-1AA	4	.064	1	18	224
139	5	.016	1/2	24	380
139-1	5	.016	1	24	380
138	5	.018	1/2	24	380
138-1	5	.018	1	24	380
137-A	5	.020	1/2	24	380
137-A-1	5	.020	1	24	380
137	5	.023	1/2	24	380
137-1	5	.023	1	24	380
136	5	.025	1/2	24	380
136-1	5	.025	1	24	380
135	5	.028	1/2	24	380
135-1	5	.028	1	24	380

CATALOG NO.	DIAMETER	WIDTH OF FACE	SIZE OF HOLE	NO. TEETH PER INCH	NO. OF TEETH TOTAL
134	5	.032	1/2	18	280
134-1	5	.032	1	18	280
133	5	.035	1/2	18	280
133-1	5	.035	1	18	280
132	5	.040	1/2	18	280
132-1	5	.040	1	18	280
131	5	.045	1/2	18	280
131-1	5	.045	1	18	280
130	5	.051	1/2	18	280
130-1	5	.051	1	18	280
129	5	.057	1/2	18	280
129-1	5	.057	1	18	280
129AA	5	.064	1/2	18	280
129-1AA	5	.064	1	18	280
156	6	.020	1/2	24	440
156-1	6	.020	1	24	440
155	6	.023	1/2	24	440
155-1	6	.023	1	24	440
154	6	.025	1/2	24	440
154-1	6	.025	1	24	440
153	6	.028	1/2	24	440
153-1	6	.028	1	24	440
152	6	.032	1/2	18	340
152-1	6	.032	1	18	340
151	6	.035	1/2	18	340
151-1	6	.035	1	18	340
150	6	.040	1/2	18	340
150-1	6	.040	1	18	340
149	6	.045	1/2	18	340
149-1	6	.045	1	18	340
148	6	.051	1/2	18	340
148-1	6	.051	1	18	340
147	6	.057	1/2	18	340
147-1	6	.057	1	18	340
146	6	.064	1/2	12	224
146-1	6	.064	1	12	224
145	6	.072	1/2	12	224
145-1	6	.072	1	12	224
144	6	.081	1/2	12	224
144-1	6	.081	1	12	224
143	6	.091	1/2	12	224
143-1	6	.091	1	12	224

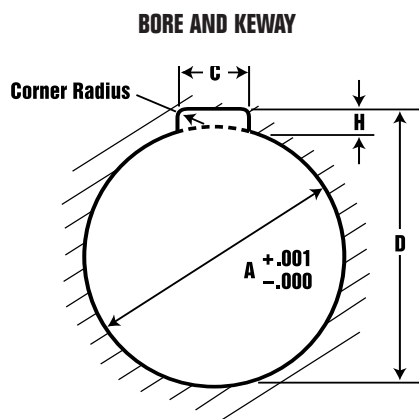
# MM/INCHES CONVERSION

MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES
.1	.0039	20	.7872	48	1.8898	76	2.9921
.2	.0079	21	.8268	49	1.9291	77	3.0315
.3	.0118	22	.8661	50	1.9685	78	3.0709
.4	.0157	23	.9055	51	2.0079	79	3.1102
.5	.0197	24	.9449	52	2.0472	80	3.1496
.6	.0236	25	.9843	53	2.0866	81	3.1890
.7	.0276	26	1.0236	54	2.1260	82	3.2284
.8	.0315	27	1.0630	55	2.1654	83	3.2677
.9	.0354	28	1.1024	56	2.2047	84	3.3071
1	.0394	29	1.1417	57	2.2441	85	3.3465
2	.0787	30	1.1811	58	2.2835	86	3.3858
3	.1181	31	1.2205	59	2.3228	87	3.4252
4	.1575	32	1.2598	60	2.3622	88	3.4646
5	.1969	33	1.2992	61	2.4016	89	3.5039
6	.2362	34	1.3386	62	2.4410	90	3.5433
7	.2756	35	1.3780	63	2.4803	91	3.5827
8	.3150	36	1.4173	64	2.5197	92	3.6221
9	.3543	37	1.4567	65	2.5591	93	3.6614
10	.3937	38	1.4961	66	2.5984	94	3.7008
11	.4331	39	1.5354	67	2.6378	95	3.7402
12	.4724	40	1.5748	68	2.6772	96	3.7795
13	.5118	41	1.6142	69	2.7165	97	3.8189
14	.5512	42	1.6535	70	2.7559	98	3.8583
15	.5906	43	1.6929	71	2.7953	99	3.8976
16	.6299	44	1.7323	72	2.8347	100	3.9370
17	.6693	45	1.7717	73	2.8740		
18	.7087	46	1.8110	74	2.9134		
19	.7480	47	1.8504	75	2.9528		

# STANDARD KEYWAY FOR SAWS

Size and dimensions not listed are special...prices upon request.

SAW BORE A INCHES	NOMINAL SIZE KEY (SQUARE) INCHES	WIDTH C		DEPTH PLUS DIAMETER D		NOMINAL DEPTH H	CORN RADIUS
		MAXIMUM	MINIMUM	MAXIMUM	MINIMUM		
1/2"	3/32"	.106"	.099"	.5678"	.5578"	3/64"	.020"
5/8	1/8	.137	.130	.7085	.6985	1/16	1/32
3/4	1/8	.137	.130	.8325	.8225	1/16	1/32
7/8	1/8	.137	.130	.9575	.9475	1/16	1/32
1	1/4	.262	.255	1.1140	1.1040	3/32	3/64
1 1/4	5/16	.325	.318	1.3950	1.3850	1/8	1/16
1 1/2	3/8	.410	.385	1.6760	1.6660	5/32	1/16
1 3/4	7/16	.473	.448	1.9580	1.9480	3/16	1/16
2	1/2	.535	.510	2.2080	2.1980	3/16	1/16
2 1/2	5/8	.660	.635	2.7430	2.7330	7/32	1/16
3	3/4	.785	.760	3.2750	3.2650	1/4	3/32
3 1/2	7/8	.910	.885	3.9000	3.8900	3/8	3/32
4	1	1.035	1.011	4.4000	4.3900	3/8	3/32
4 1/2	1 1/8	1.160	1.135	4.9630	4.9530	7/16	1/8
5	1 1/4	1.285	1.260	5.5250	5.5150	1/2	1/8



- intermediate size bore use keyway for next larger size bore listed.
- saws not having keyway listed in table are special.



# THURSTON SPECIAL BLADES

**A Complete  
Range of Special  
Blades from  
.500" to 10"  
diameter...  
up to 255mm.**

## Materials

high speed steels normally available are M-2, M-42, D-2, T-15 and 440C stainless. In addition, other specialty steels may be quoted upon request.

## Diameters

any diameter saw blade or circular product between the range of 1/2" to 10" within manufacturing capabilities. Metric sizes also available within these ranges.

## Thickness

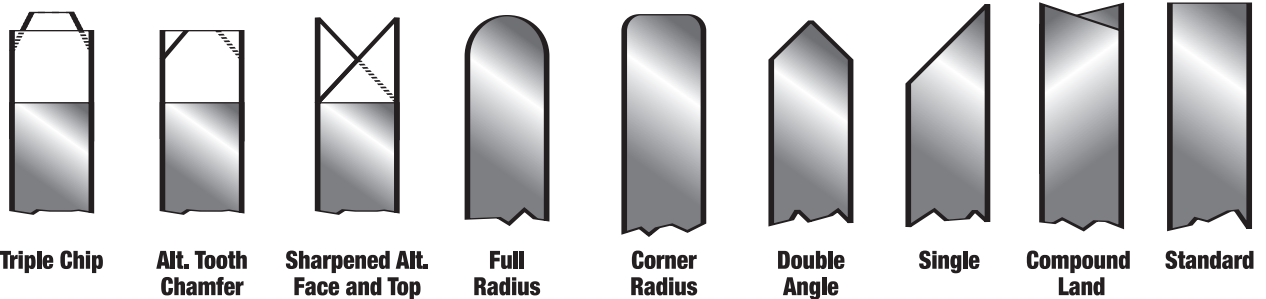
thicknesses as low as .003 in certain styles. Dimensional tolerances as close as + or - .0001 depending on outside diameter and thickness.

## Tooth Pitches

state-of-the-art grinding machines provide us with the capability of supplying blades between 50 and 2.2 TPI (teeth per inch) with a ground tooth form. Blades with pitches coarser than 2.2 TPI can be supplied with a milled tooth form.

## Tooth Styles

tooth styles are listed below for your convenience. Please check to confirm that we can manufacture desired tooth style with the type of circular product requested.



## Special Saw Blade Quotation and Ordering Instructions

when requesting quotations or ordering special saw blades, please provide the following information:

- a. number of pieces \_\_\_\_\_
- b. saw diameter \_\_\_\_\_
- c. saw width \_\_\_\_\_
- d. arbor hole diameter \_\_\_\_\_
- e. keyway dimension \_\_\_\_\_
- f. number of teeth \_\_\_\_\_
- g. special tooth design\* \_\_\_\_\_

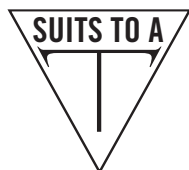
\* Blades will be furnished with a standard tooth design unless otherwise specified.

Thurston supplies on a regular basis high speed steel blanks for manufacturers who opt to put in their own teeth. Thurston welcomes other saw manufacturers' requests for any products we manufacture.



## General Information

- Terms:** 2% Ten Days, Net 30, Minimum Invoice: \$20.00
- Shipping:** FOB Smithfield, RI. All shipments are via UNITED PARCEL GROUND SERVICE unless otherwise specified.
- Claims:** Products are considered sold and our responsibility ceases upon pickup by a transportation carrier or directly by our customer. In the event of products being lost in transit, we will make every effort on behalf of our customers to have lost products found or to have the transportation carrier make proper restitution for the loss. Damage claims must be made against the carrier.
- Specials:** Orders for special tools, non-catalog or modified tools are accepted on a non-cancelable basis... and tools are not returnable. A confirming purchase order is required before any work will begin on special tools. A 10% over or under shipment on a special order is acceptable based on industry practices... unless a no over/under shipment statement appears on the special order.
- Return Policy:** No merchandise may be returned without prior authorization from the Thurston factory. Credit will not be issued for merchandise returned without a return authorization number. All merchandise returned for credit will be subject to a nominal restocking charge.
- Errors:** Thurston Manufacturing Company cannot be held responsible for incorrect parts made with our products due to mislabeling or defect. We assume all tools used by our customers are inspected before use and that first-part inspections in customer's plant is the rule. We will replace or credit tools in those situations.
- Prices:** Prices are subject to change without notice. For additional information, please call or fax Thurston for a detailed copy of "Terms and Conditions of Sale."



TRADE

**THURCO**

MARK

THURSTON MFG

P.O. Box 17338

14 Thurber Blvd., Smithfield, RI 02917-0704

Tel: (401) 232-9100 Fax: (401) 232-9101

[www.thurstonmfg.com](http://www.thurstonmfg.com)

Catalog N 04/1/09 CP