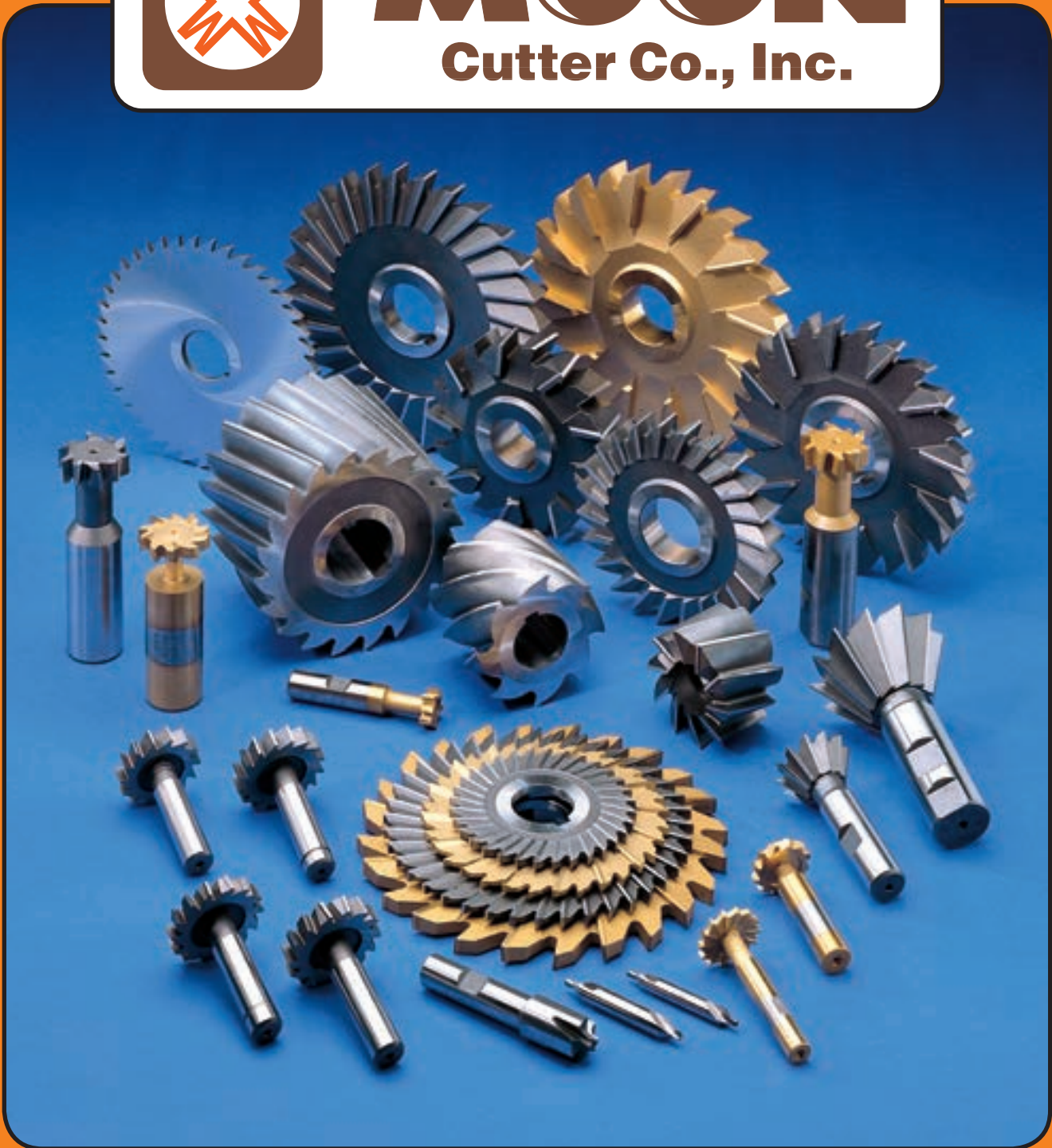


MC2014



**MOON**  
Cutter Co., Inc.



**The Leader in Milling Cutters,  
Keyseat Cutters, and Saws**



*In Loving Memory*  
*Our Founder and Our Father*  
**Charlie D. Moon**  
1927-2003



*A SKILLED CRAFTSMEN THAT GROUND THE SHARP CORNERS ON THE INDUSTRY  
BY SETTING THE STANDARD OF QUALITY MILLING CUTTERS FOR GENERATIONS TO COME.*

When Charlie D. Moon founded the Moon Cutter Co., Inc. in 1957, he envisioned a company that would ensure satisfaction through four basic qualities: competitive prices, speedy delivery, strong customer relations through superior customer service, and engineering the highest quality of milling cutters available. Almost fifty years later, it is still these qualities which have enabled our company to grow successfully for three generations and continue to be your **Leader in Milling Cutters, Keyseat Cutters and Saws.**

The entire Moon family is dedicated to working hard every day to ensure that the long family tradition of service and quality is upheld and the ideology of our father carries over in every aspect of our production. We thank you for your support and consideration. If there is anything we can do for your next cutting tool project please feel free to call and ask for a MOON family expert.

Whether you need a standard tool, alterations to standard tools, or a full blueprint special, our total in-house capabilities will assure you the highest quality tools at the best price, delivered fast and with the personal attention your projects deserve.

# Terms and Conditions

**Sales Policy:** as active members of the Industrial Supply Manufacturers Association (ISMA), we support the value-added services of our partners in industrial distribution. Our products are exclusively sold through selected, authorized industrial distributors who meet our high standards of business ethics and customer service capabilities.



**Payment Terms and Prices:** net 30 days. Accounts in arrears are subject to both shipment hold and production hold. Prices for special tools are subject to quoting after 30 days; catalog prices are subject to change without notice. C.O.D. shipments are sent by U.P.S. and C.O.D. Payments are cash, certified check, money order or MC/VISA.

**Cancellations:** cancellation of orders for "standard catalog product" can be made at no charge providing the tools have not been shipped and we have not incurred labor expenses to finish a specific size or altered standard markings or packaging. A cancellation fee will be charged in proportion to the amount of the cost accumulated on the order prior to cancellation.

**Shipping Terms:** freight is F.O.B. shipping point. Ground and air shipments ship United Parcel Service unless otherwise specified.



**Customer Alterations:** Moon Cutter Co., Inc. cannot be responsible for the performance of, or compliance with, specifications, nor can we accept for return, any tool that has been altered in any way by our customers. This includes: surface treatments, coatings, flats, tangs, markings, or any geometric alterations. Any tools altered are non-returnable and voids all warranties.

**Over or Undershipments:** unless your order specifies "no overshipments," Moon Cutter Co., Inc. policy follows standard industry practice on altered standard and special orders, which is to start +10% over the quantity ordered. We will ship and bill the quantity completed, which could be as much as 10% over or 10% under the quantity ordered. On quantities from one piece to nine pieces, our standard shipping tolerance is plus or minus one piece. Orders for special tooling that specify "no over and no under shipments" (exact quantities) are subject to a premium charge.

**Product Warranty:** we guarantee our products will conform to the dimensions listed on customer blueprints, orders, and quotation requests. Dimensions, specifications, and tolerances not listed will be furnished to the current United States Cutting Tool Institute manufacturing standards. Our warranty is limited to repair, replacement, or full credit for the tools found not to be within specifications, at our option.



**Returned Goods:** all returned goods must have a "returned goods authorization number" (RGA). Contact our customer service department to obtain a returned goods authorization number (RGA) prior to returning any material. To ensure proper credit, all returned products must be in clean, resalable condition and in the original packaging. We cannot accept any product that has been discontinued or in quantities that are unusually large as compared to Moon's average sales for any particular item. **Note:** special tools are not returnable.

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# Side Milling Cutters



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## Straight Tooth

All cutters with the same amount of teeth can be interlocked by specifying "A" or "B" cutters and grinding the hubs.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM2187	2	3/16	5/8	14	39.38	50.48
SM2250	2	1/4	5/8	14	42.56	53.65
SM2375	2	3/8	5/8	14	44.52	59.34
SM25250	2-1/2	1/4	7/8	18	47.40	60.96
SM25312	2-1/2	5/16	7/8	18	50.58	68.36
SM25375	2-1/2	3/8	7/8	18	53.76	71.54
SM25500	2-1/2	1/2	7/8	18	53.76	76.14
SM3187	3	3/16	1	20	49.53	58.76
SM3187-1	3	3/16	1-1/4	20	58.76	72.31
SM3218	3	7/32	1	20	65.43	78.97
SM3218-1	3	7/32	1-1/4	20	71.12	84.66
SM3250	3	1/4	1	20	51.33	64.88
SM3250-1	3	1/4	1-1/4	20	62.32	75.86
SM3281	3	9/32	1	20	69.82	87.60
SM3281-1	3	9/32	1-1/4	20	69.82	87.60
SM3312	3	5/16	1	20	54.52	72.30
SM3312-1	3	5/16	1-1/4	20	65.65	83.42
SM3343	3	11/32	1	20	79.06	96.82
SM3343-1	3	11/32	1-1/4	20	79.06	96.82
SM3375	3	3/8	1	20	59.07	76.84
SM3375-1	3	3/8	1-1/4	20	70.19	87.97
SM3406	3	13/32	1	20	79.80	102.19
SM3406-1	3	13/32	1-1/4	20	79.80	102.19
SM3437	3	7/16	1	20	62.55	84.92
SM3437-1	3	7/16	1-1/4	20	62.55	84.92
SM3500	3	1/2	1	20	59.82	82.20
SM3500-1	3	1/2	1-1/4	20	69.43	91.81
SM3562	3	9/16	1	20	80.73	112.04
SM3562-1	3	9/16	1-1/4	20	80.73	112.04
SM3625	3	5/8	1	20	81.03	112.35
SM3625-1	3	5/8	1-1/4	20	81.03	112.35

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM3687	3	11/16	1	20	79.80	111.13
SM3687-1	3	11/16	1-1/4	20	79.80	111.13
SM3750	3	3/4	1	20	85.11	116.43
SM3750-1	3	3/4	1-1/4	20	85.11	116.43
SM3812	3	13/16	1	20	93.14	133.64
SM3812-1	3	13/16	1-1/4	20	93.14	133.64
SM3875	3	7/8	1	20	101.47	141.97
SM3875-1	3	7/8	1-1/4	20	101.47	141.97
SM3937	3	15/16	1	20	106.77	147.26
SM3937-1	3	15/16	1-1/4	20	106.77	147.26
SM3100	3	1	1	20	106.77	147.26
SM3100-1	3	1	1-1/4	20	121.91	162.41
SM35187-20T	3-1/2	3/16	1	20	67.39	80.94
SM35187-24T	3-1/2	3/16	1	24	67.39	80.94
SM35187-1-20T	3-1/2	3/16	1-1/4	20	79.80	93.36
SM35187-1-24T	3-1/2	3/16	1-1/4	24	79.80	93.36
SM35250-20T	3-1/2	1/4	1	20	85.42	98.96
SM35250-24T	3-1/2	1/4	1	24	85.42	98.96
SM35250-1-20T	3-1/2	1/4	1-1/4	20	85.42	98.96
SM35250-1-24T	3-1/2	1/4	1-1/4	24	85.42	98.96
SM35312-20T	3-1/2	5/16	1	20	91.16	108.94
SM35312-24T	3-1/2	5/16	1	24	91.16	108.94
SM35312-1-20T	3-1/2	5/16	1-1/4	20	91.16	108.94
SM35312-1-24T	3-1/2	5/16	1-1/4	24	91.16	108.94
SM35375-20T	3-1/2	3/8	1	20	94.35	112.13
SM35375-24T	3-1/2	3/8	1	24	94.35	112.13
SM35375-1-20T	3-1/2	3/8	1-1/4	20	94.35	112.13
SM35375-1-24T	3-1/2	3/8	1-1/4	24	94.35	112.13
SM35437-20T	3-1/2	7/16	1	20	96.02	118.39
SM35437-24T	3-1/2	7/16	1	24	96.02	118.39
SM35437-1-20T	3-1/2	7/16	1-1/4	20	96.02	118.39
SM35437-1-24T	3-1/2	7/16	1-1/4	24	96.02	118.39
SM35500-20T	3-1/2	1/2	1	20	99.96	122.33
SM35500-24T	3-1/2	1/2	1	24	99.96	122.33
SM35500-1-20T	3-1/2	1/2	1-1/4	20	99.96	122.33
SM35500-1-24T	3-1/2	1/2	1-1/4	24	99.96	122.33
SM35562-20T	3-1/2	9/16	1	20	102.69	134.01
SM35562-24T	3-1/2	9/16	1	24	102.69	134.01
SM35562-1-20T	3-1/2	9/16	1-1/4	20	102.69	134.01
SM35562-1-24T	3-1/2	9/16	1-1/4	24	102.69	134.01
SM35625-20T	3-1/2	5/8	1	20	105.11	136.44
SM35625-24T	3-1/2	5/8	1	24	105.11	136.44
SM35625-1-20T	3-1/2	5/8	1-1/4	20	105.11	136.44
SM35625-1-24T	3-1/2	5/8	1-1/4	24	105.11	136.44
SM35687-20T	3-1/2	11/16	1	20	107.54	138.84
SM35687-24T	3-1/2	11/16	1	24	107.54	138.84
SM35687-1-20T	3-1/2	11/16	1-1/4	20	107.54	138.84
SM35687-1-24T	3-1/2	11/16	1-1/4	24	107.54	138.84
SM35750-20T	3-1/2	3/4	1	20	113.13	144.45
SM35750-24T	3-1/2	3/4	1	24	113.13	144.45
SM35750-1-20T	3-1/2	3/4	1-1/4	20	113.13	144.45
SM35750-1-24T	3-1/2	3/4	1-1/4	24	113.13	144.45
SM35812-20T	3-1/2	13/16	1	20	115.27	155.74
SM35812-24T	3-1/2	13/16	1	24	115.27	155.74
SM35812-1-20T	3-1/2	13/16	1-1/4	20	115.27	155.74
SM35812-1-24T	3-1/2	13/16	1-1/4	24	115.27	155.74

# Side Milling Cutters

CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS

## Straight Tooth (continued)

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM35875-20T	3-1/2	7/8	1	20	117.97	158.47
SM35875-24T	3-1/2	7/8	1	24	117.97	158.47
SM35875-1-20T	3-1/2	7/8	1-1/4	20	117.97	158.47
SM35875-1-24T	3-1/2	7/8	1-1/4	24	117.97	158.47
SM35937-20T	3-1/2	15/16	1	20	141.31	181.80
SM35937-24T	3-1/2	15/16	1	24	141.31	181.80
SM35937-1-20T	3-1/2	15/16	1-1/4	20	168.57	209.06
SM35937-1-24T	3-1/2	15/16	1-1/4	24	168.57	209.06
SM35100-20T	3-1/2	1	1	20	122.07	162.55
SM35100-24T	3-1/2	1	1	24	122.07	162.55
SM35100-1-20T	3-1/2	1	1-1/4	20	122.07	162.55
SM35100-1-24T	3-1/2	1	1-1/4	24	122.07	162.55
SM4187	4	3/16	1	24	64.21	79.47
SM4187-1	4	3/16	1-1/4	24	95.87	111.11
SM4218	4	7/32	1	24	89.51	104.75
SM4218-1	4	7/32	1-1/4	24	89.51	104.75
SM4250	4	1/4	1	24	65.88	81.13
SM4250-1	4	1/4	1-1/4	24	83.89	99.34
SM4281	4	9/32	1	24	91.47	112.00
SM4281-1	4	9/32	1-1/4	24	91.47	112.00
SM4312	4	5/16	1	24	87.53	108.05
SM4312-1	4	5/16	1-1/4	24	87.53	108.05
SM4343	4	11/32	1	24	93.30	113.82
SM4343-1	4	11/32	1-1/4	24	93.30	113.82
SM4375	4	3/8	1	24	75.12	95.64
SM4375-1	4	3/8	1-1/4	24	88.91	109.44
SM4406	4	13/32	1	24	101.47	126.74
SM4406-1	4	13/32	1-1/4	24	101.47	126.74
SM4437	4	7/16	1	24	98.14	123.41
SM4437-1	4	7/16	1-1/4	24	98.14	123.41
SM4500	4	1/2	1	24	84.66	109.93
SM4500-1	4	1/2	1-1/4	24	84.66	109.93
SM4562	4	9/16	1	24	106.16	140.50
SM4562-1	4	9/16	1-1/4	24	106.16	140.50
SM4625	4	5/8	1	24	95.87	130.19
SM4625-1	4	5/8	1-1/4	24	95.87	130.19
SM4687	4	11/16	1	24	115.56	149.88
SM4687-1	4	11/16	1-1/4	24	115.56	149.88
SM4750	4	3/4	1	24	104.50	138.83
SM4750-1	4	3/4	1-1/4	24	104.50	138.83
SM4812	4	13/16	1	24	122.37	166.42
SM4812-1	4	13/16	1-1/4	24	122.37	166.42
SM4875	4	7/8	1	24	114.34	158.39
SM4875-1	4	7/8	1-1/4	24	114.34	158.39
SM4937	4	15/16	1	24	142.82	186.87
SM4937-1	4	15/16	1-1/4	24	142.82	186.87

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM4100	4	1	1	24	149.63	193.68
SM4100-1	4	1	1-1/4	24	149.63	193.68
SM45187	4-1/2	3/16	1	24	87.53	102.78
SM45187-1	4-1/2	3/16	1-1/4	24	115.56	130.80
SM45250	4-1/2	1/4	1	24	91.92	107.18
SM45250-1	4-1/2	1/4	1-1/4	24	91.92	107.18
SM45312	4-1/2	5/16	1	24	97.08	117.60
SM45312-1	4-1/2	5/16	1-1/4	24	97.08	117.60
SM45375	4-1/2	3/8	1	24	103.58	124.10
SM45375-1	4-1/2	3/8	1-1/4	24	103.58	124.10
SM45437	4-1/2	7/16	1	24	115.56	140.83
SM45437-1	4-1/2	7/16	1-1/4	24	128.43	153.71
SM45500	4-1/2	1/2	1	24	115.27	140.52
SM45500-1	4-1/2	1/2	1-1/4	24	115.27	140.52
SM45562	4-1/2	9/16	1	24	128.43	162.75
SM45562-1	4-1/2	9/16	1-1/4	24	147.20	181.99
SM45625	4-1/2	5/8	1	24	122.37	156.70
SM45625-1	4-1/2	5/8	1-1/4	24	122.37	156.70
SM45687	4-1/2	11/16	1	24	144.48	178.80
SM45687-1	4-1/2	11/16	1-1/4	24	157.35	191.69
SM45750	4-1/2	3/4	1	24	132.82	167.15
SM45750-1	4-1/2	3/4	1-1/4	24	132.82	167.15
SM45812	4-1/2	13/16	1	24	147.53	191.71
SM45812-1	4-1/2	13/16	1-1/4	24	168.57	212.61
SM45875	4-1/2	7/8	1	24	146.91	190.95
SM45875-1	4-1/2	7/8	1-1/4	24	146.91	190.95
SM45937	4-1/2	15/16	1	24	166.89	210.95
SM45937-1	4-1/2	15/16	1-1/4	24	182.95	227.01
SM45100	4-1/2	1	1	24	172.05	216.10
SM45100-1	4-1/2	1	1-1/4	24	172.05	216.10
SM5187	5	3/16	1	24	84.66	111.86
SM5187-1	5	3/16	1-1/4	24	112.37	139.57
SM5218	5	7/32	1	24	112.37	139.57
SM5218-1	5	7/32	1-1/4	24	112.37	139.57
SM5250	5	1/4	1	24	109.34	136.56
SM5250-1	5	1/4	1-1/4	24	109.34	136.56
SM5281	5	9/32	1	24	122.37	155.57
SM5281-1	5	9/32	1-1/4	24	122.37	155.57
SM5312	5	5/16	1	24	115.71	148.92
SM5312-1	5	5/16	1-1/4	24	115.71	148.92
SM5343	5	11/32	1	24	123.28	156.49
SM5343-1	5	11/32	1-1/4	24	123.28	156.49
SM5375	5	3/8	1	24	124.04	157.26
SM5375-1	5	3/8	1-1/4	24	124.04	157.26
SM5406	5	13/32	1	24	131.61	170.65
SM5406-1	5	13/32	1-1/4	24	131.61	170.65
SM5437	5	7/16	1	24	133.43	172.47
SM5437-1	5	7/16	1-1/4	24	133.43	172.47
SM5500	5	1/2	1	24	114.79	153.84
SM5500-1	5	1/2	1-1/4	24	114.79	153.84
SM5562	5	9/16	1	24	148.12	199.14
SM5562-1	5	9/16	1-1/4	24	148.12	199.14
SM5625	5	5/8	1	24	127.22	178.23
SM5625-1	5	5/8	1-1/4	24	127.22	178.23
SM5687	5	11/16	1	24	156.90	207.92
SM5687-1	5	11/16	1-1/4	24	156.90	207.92

# Side Milling Cutters

## Straight Tooth (continued)

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM5750	5	3/4	1	24	144.48	195.51
SM5750-1	5	3/4	1-1/4	24	144.48	195.51
SM5812	5	13/16	1	24	167.36	229.48
SM5812-1	5	13/16	1-1/4	24	167.36	229.48
SM5875	5	7/8	1	24	172.65	234.77
SM5875-1	5	7/8	1-1/4	24	172.65	234.77
SM5937	5	15/16	1	24	178.56	240.68
SM5937-1	5	15/16	1-1/4	24	178.56	240.68
SM5100	5	1	1	24	187.95	250.07
SM5100-1	5	1	1-1/4	24	172.95	234.96
SM55187-24T	5-1/2	3/16	1	24	115.27	142.45
SM55187-28T	5-1/2	3/16	1	28	115.27	142.45
SM55187-1-24T	5-1/2	3/16	1-1/4	24	132.52	159.73
SM55187-1-28T	5-1/2	3/16	1-1/4	28	132.52	159.73
SM55250-24T	5-1/2	1/4	1	24	120.86	148.07
SM55250-28T	5-1/2	1/4	1	28	120.86	148.07
SM55250-1-24T	5-1/2	1/4	1-1/4	24	120.86	148.07
SM55250-1-28T	5-1/2	1/4	1-1/4	28	120.86	148.07
SM55312-24T	5-1/2	5/16	1	24	124.19	157.41
SM55312-28T	5-1/2	5/16	1	28	124.19	157.41
SM55312-1-24T	5-1/2	5/16	1-1/4	24	124.19	157.41
SM55312-1-28T	5-1/2	5/16	1-1/4	28	124.19	157.41
SM55375-24T	5-1/2	3/8	1	24	141.45	174.67
SM55375-28T	5-1/2	3/8	1	28	141.45	174.67
SM55375-1-24T	5-1/2	3/8	1-1/4	24	141.45	174.67
SM55375-1-28T	5-1/2	3/8	1-1/4	28	141.45	174.67
SM55437-24T	5-1/2	7/16	1	24	158.87	197.91
SM55437-28T	5-1/2	7/16	1	28	158.87	197.91
SM55437-1-24T	5-1/2	7/16	1-1/4	24	158.87	197.91
SM55437-1-28T	5-1/2	7/16	1-1/4	28	158.87	197.91
SM55500-24T	5-1/2	1/2	1	24	151.75	190.80
SM55500-28T	5-1/2	1/2	1	28	151.75	190.80
SM55500-1-24T	5-1/2	1/2	1-1/4	24	151.75	190.80
SM55500-1-28T	5-1/2	1/2	1-1/4	28	151.75	190.80
SM55562-24T	5-1/2	9/16	1	24	176.59	227.61
SM55562-28T	5-1/2	9/16	1	28	176.59	227.61
SM55562-1-24T	5-1/2	9/16	1-1/4	24	176.59	227.61
SM55562-1-28T	5-1/2	9/16	1-1/4	28	176.59	227.61
SM55625-24T	5-1/2	5/8	1	24	164.17	215.20
SM55625-28T	5-1/2	5/8	1	28	164.17	215.20
SM55625-1-24T	5-1/2	5/8	1-1/4	24	164.17	215.20
SM55625-1-28T	5-1/2	5/8	1-1/4	28	164.17	215.20
SM55687-24T	5-1/2	11/16	1	24	194.31	245.33
SM55687-28T	5-1/2	11/16	1	28	194.31	245.33
SM55687-1-24T	5-1/2	11/16	1-1/4	24	194.31	245.33
SM55687-1-28T	5-1/2	11/16	1-1/4	28	194.31	245.33
SM55750-24T	5-1/2	3/4	1	24	177.79	228.84
SM55750-28T	5-1/2	3/4	1	28	177.79	228.84
SM55750-1-24T	5-1/2	3/4	1-1/4	24	177.79	228.84
SM55750-1-28T	5-1/2	3/4	1-1/4	28	177.79	228.84
SM55812-24T	5-1/2	13/16	1	24	211.87	274.00
SM55812-28T	5-1/2	13/16	1	28	211.87	274.00
SM58812-1-24T	5-1/2	13/16	1-1/4	24	211.87	274.00
SM55812-1-28T	5-1/2	13/16	1-1/4	28	211.87	274.00
SM55875-24T	5-1/2	7/8	1	24	201.12	263.25

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
SM55875-28T	5-1/2	7/8	1	28	201.12	263.25
SM55875-1-24T	5-1/2	7/8	1-1/4	24	201.12	263.25
SM55875-1-28T	5-1/2	7/8	1-1/4	28	201.12	263.25
SM55937-24T	5-1/2	15/16	1	24	227.92	290.04
SM55937-28T	5-1/2	15/16	1	28	227.92	290.04
SM55937-1-24T	5-1/2	15/16	1-1/4	24	227.92	290.04
SM55937-1-28T	5-1/2	15/16	1-1/4	28	227.92	290.04
SM55100-24T	5-1/2	1	1	24	204.61	266.73
SM55100-28T	5-1/2	1	1	28	204.61	266.73
SM55100-1-24T	5-1/2	1	1-1/4	24	204.61	266.73
SM55100-1-28T	5-1/2	1	1-1/4	28	204.61	266.73
SM6187	6	3/16	1	28	115.27	142.45
SM6187-1	6	3/16	1-1/4	28	115.27	142.45
SM6218	6	7/32	1	28	155.39	182.57
SM6218-1	6	7/32	1-1/4	28	155.39	182.57
SM6250	6	1/4	1	28	134.48	161.70
SM6250-1	6	1/4	1-1/4	28	134.48	161.70
SM6281	6	9/32	1	28	141.00	174.21
SM6281-1	6	9/32	1-1/4	28	149.47	182.69
SM6312	6	5/16	1	28	148.12	181.33
SM6312-1	6	5/16	1-1/4	28	148.12	181.33
SM6343	6	11/32	1	28	164.62	197.85
SM6343-1	6	11/32	1-1/4	28	164.62	197.85
SM6375	6	3/8	1	28	158.87	192.08
SM6375-1	6	3/8	1-1/4	28	158.87	192.08
SM6406	6	13/32	1	28	174.17	213.19
SM6406-1	6	13/32	1-1/4	28	174.17	213.19
SM6437	6	7/16	1	28	167.81	206.84
SM6437-1	6	7/16	1-1/4	28	167.81	206.84
SM6500	6	1/2	1	28	147.67	186.69
SM6500-1	6	1/2	1-1/4	28	147.67	186.69
SM6562	6	9/16	1	28	186.58	237.62
SM6562-1	6	9/16	1-1/4	28	186.58	237.62
SM6625	6	5/8	1	28	187.43	238.44
SM6625-1	6	5/8	1-1/4	28	162.36	213.39
SM6687	6	11/16	1	28	204.29	255.33
SM6687-1	6	11/16	1-1/4	28	204.29	255.33
SM6750	6	3/4	1	28	190.99	242.01
SM6750-1	6	3/4	1-1/4	28	190.99	242.01
SM6812	6	13/16	1	28	219.60	281.72
SM6812-1	6	13/16	1-1/4	28	219.60	281.72
SM6875	6	7/8	1	28	226.71	288.84
SM6875-1	6	7/8	1-1/4	28	226.71	288.84
SM6937	6	15/16	1	28	240.81	302.93
SM6937-1	6	15/16	1-1/4	28	240.81	302.93
SM6100	6	1	1	28	239.67	301.80
SM6100-1	6	1	1-1/4	28	225.20	287.32
SM7500-1	7	1/2	1-1/4	28	272.61	335.15
SM7750-1	7	3/4	1-1/4	28	292.30	354.83
SM7100-1	7	1	1-1/4	28	493.25	560.01
SM8312-1	8	5/16	1-1/4	34	322.75	374.88
SM8375-1	8	3/8	1-1/4	34	340.01	392.15
SM8500-1	8	1/2	1-1/4	34	340.01	402.54
SM8750-1	8	3/4	1-1/4	34	347.12	429.13
SM8750-2	8	3/4	1-1/2	34	347.12	429.13
SM8100-1	8	1	1-1/4	34	423.90	524.85



# Side Milling Cutters

**CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS**

## Staggered Tooth

Please specify the number of teeth desired when ordering these cutters. All Staggered Tooth Cutters with the same amount of teeth can be interlocked by grinding hubs.



Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
STM25250	2-1/2	1/4	7/8	16	57.40	70.95
STM25312	2-1/2	5/16	7/8	16	57.40	75.19
STM25375	2-1/2	3/8	7/8	16	65.44	83.20
STM25500	2-1/2	1/2	7/8	16	68.61	90.98
STM3187	3	3/16	1	18	55.44	68.98
STM3187-1	3	3/16	1-1/4	18	55.44	68.98
STM3218	3	7/32	1	18	64.36	77.91
STM3218-1	3	7/32	1-1/4	18	64.36	77.91
STM3250	3	1/4	1	18	59.37	72.91
STM3250-1	3	1/4	1-1/4	18	64.36	77.91
STM3281	3	9/32	1	18	77.09	94.88
STM3281-1	3	9/32	1-1/4	18	77.09	94.88
STM3312	3	5/16	1	18	65.88	83.66
STM3312-1	3	5/16	1-1/4	18	77.09	94.88
STM3343	3	11/32	1	18	77.09	94.88
STM3343-1	3	11/32	1-1/4	18	77.09	94.88
STM3375	3	3/8	1	18	67.39	85.17
STM3375-1	3	3/8	1-1/4	18	80.28	98.04
STM3406	3	13/32	1	18	85.11	107.48
STM3406-1	3	13/32	1-1/4	18	85.11	107.48
STM3437	3	7/16	1	18	83.45	105.83
STM3437-1	3	7/16	1-1/4	18	83.45	105.83
STM3500	3	1/2	1	18	85.11	107.48
STM3500-1	3	1/2	1-1/4	18	73.92	96.28
STM3562	3	9/16	1	18	89.95	121.28
STM3562-1	3	9/16	1-1/4	18	89.95	121.28
STM3625	3	5/8	1	18	99.49	130.82
STM3625-1	3	5/8	1-1/4	18	83.45	114.77
STM3687	3	11/16	1	18	102.69	134.01
STM3687-1	3	11/16	1-1/4	18	102.69	134.01
STM3750	3	3/4	1	18	106.01	137.33
STM3750-1	3	3/4	1-1/4	18	93.14	124.46
STM3812	3	13/16	1	18	109.20	149.68
STM3812-1	3	13/16	1-1/4	18	109.20	149.68
STM3875	3	7/8	1	18	112.37	152.86
STM3875-1	3	7/8	1-1/4	18	112.37	152.86

For cobalt see page 12. Full Radius see page 21.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
STM3937	3	15/16	1	18	120.41	160.90
STM3937-1	3	15/16	1-1/4	18	120.41	160.90
STM3100	3	1	1	18	118.72	159.22
STM3100-1	3	1	1-1/4	18	118.72	159.22
STM31250	3	1-1/4	1	18	157.51	207.08
STM31250-1	3	1-1/4	1-1/4	18	157.51	207.08
STM35218	3-1/2	7/32	1	18	102.69	117.94
STM35218-1	3-1/2	7/32	1-1/4	18	102.69	117.94
STM35250	3-1/2	1/4	1	18	106.01	121.27
STM35250-1	3-1/2	1/4	1-1/4	18	106.01	121.27
STM35281	3-1/2	9/32	1	18	110.71	131.23
STM35281-1	3-1/2	9/32	1-1/4	18	110.71	131.23
STM35312	3-1/2	5/16	1	18	112.37	132.90
STM35312-1	3-1/2	5/16	1-1/4	18	112.37	132.90
STM35343	3-1/2	11/32	1	18	114.04	134.56
STM35343-1	3-1/2	11/32	1-1/4	18	114.04	134.56
STM35375	3-1/2	3/8	1	18	103.91	124.42
STM35375-1	3-1/2	3/8	1-1/4	18	103.91	124.42
STM35406	3-1/2	13/32	1	18	117.21	142.48
STM35406-1	3-1/2	13/32	1-1/4	18	117.21	142.48
STM35437	3-1/2	7/16	1	18	110.40	135.68
STM35437-1	3-1/2	7/16	1-1/4	18	110.40	135.68
STM35500	3-1/2	1/2	1	18	109.20	134.46
STM35500-1	3-1/2	1/2	1-1/4	18	126.76	152.04
STM35562	3-1/2	9/16	1	18	122.07	156.39
STM35562-1	3-1/2	9/16	1-1/4	18	128.43	162.75
STM35625	3-1/2	5/8	1	18	134.78	169.13
STM35625-1	3-1/2	5/8	1-1/4	18	134.78	169.13
STM35687	3-1/2	11/16	1	18	128.43	162.75
STM35687-1	3-1/2	11/16	1-1/4	18	138.11	172.45
STM35750	3-1/2	3/4	1	18	131.61	165.93
STM35750-1	3-1/2	3/4	1-1/4	18	141.31	175.63
STM35812	3-1/2	13/16	1	18	144.48	188.54
STM35812-1	3-1/2	13/16	1-1/4	18	144.48	188.54

# Side Milling Cutters

## Staggered Tooth (continued)

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
STM35875	3-1/2	7/8	1	18	150.85	194.90
STM35875-1	3-1/2	7/8	1-1/4	18	150.85	194.90
STM35937	3-1/2	15/16	1	18	166.89	210.95
STM35937-1	3-1/2	15/16	1-1/4	18	166.89	210.95
STM35100	3-1/2	1	1	18	176.59	220.64
STM35100-1	3-1/2	1	1-1/4	18	176.59	220.64
STM4187	4	3/16	1	18	90.87	106.13
STM4187-1	4	3/16	1-1/4	18	90.87	106.13
STM4218	4	7/32	1	18	102.98	118.25
STM4218-1	4	7/32	1-1/4	18	102.98	118.25
STM4250	4	1/4	1	18	102.69	117.94
STM4250-1	4	1/4	1-1/4	18	89.95	105.21
STM4281	4	9/32	1	18	106.01	126.53
STM4281-1	4	9/32	1-1/4	18	106.01	126.53
STM4312	4	5/16	1	18	107.54	128.04
STM4312-1	4	5/16	1-1/4	18	89.95	110.48
STM4343	4	11/32	1	18	115.56	136.07
STM4343-1	4	11/32	1-1/4	18	115.56	136.07
STM4375	4	3/8	1	18	112.37	132.90
STM4375-1	4	3/8	1-1/4	18	89.95	110.48
STM4406	4	13/32	1	18	118.72	144.01
STM4406-1	4	13/32	1-1/4	18	118.72	144.01
STM4437	4	7/16	1	18	119.94	145.22
STM4437-1	4	7/16	1-1/4	18	96.34	121.59
STM4500	4	1/2	1	18	122.07	147.34
STM4500-1	4	1/2	1-1/4	18	102.69	127.97
STM4531	4	17/32	1	18	131.61	177.16
STM4562	4	9/16	1	18	131.61	177.16
STM4562-1	4	9/16	1-1/4	18	131.61	177.16
STM4625	4	5/8	1	18	136.46	170.78
STM4625-1	4	5/8	1-1/4	18	118.72	153.07
STM4687	4	11/16	1	18	146.15	180.48
STM4687-1	4	11/16	1-1/4	18	146.15	180.48
STM4750	4	3/4	1	18	150.85	185.17
STM4750-1	4	3/4	1-1/4	18	125.25	159.57
STM4812	4	13/16	1	18	157.35	201.41
STM4812-1	4	13/16	1-1/4	18	157.35	201.41
STM4875	4	7/8	1	18	157.35	201.41
STM4875-1	4	7/8	1-1/4	18	131.61	175.67
STM4937	4	15/16	1	18	176.59	220.64
STM4937-1	4	15/16	1-1/4	18	176.59	220.64
STM4100	4	1	1	18	184.60	228.67
STM4100-1	4	1	1-1/4	18	184.60	228.67
STM41125-1	4	1-1/8	1-1/4	18	200.66	254.03
STM41187-1	4	1-3/16	1-1/4	18	203.85	257.22
STM41250-1	4	1-1/4	1-1/4	18	205.51	258.89
STM41375-1	4	1-3/8	1-1/4	18	227.92	290.66
STM41500-1	4	1-1/2	1-1/4	18	234.45	297.15
STM45218-18T	4-1/2	7/32	1	18	122.07	137.32
STM45218-24T	4-1/2	7/32	1	24	122.07	137.32
STM45218-1-18T	4-1/2	7/32	1-1/4	18	122.07	137.32
STM45218-1-24T	4-1/2	7/32	1-1/4	24	122.07	137.32
STM45250-18T	4-1/2	1/4	1	18	122.07	137.32
STM45250-24T	4-1/2	1/4	1	24	122.07	137.32
STM45250-1-18T	4-1/2	1/4	1-1/4	18	122.07	137.32
STM45250-1-24T	4-1/2	1/4	1-1/4	24	122.07	137.32

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
STM45312-18T	4-1/2	5/16	1	18	128.43	148.95
STM45312-24T	4-1/2	5/16	1	24	128.43	148.95
STM45312-1-18T	4-1/2	5/16	1-1/4	18	128.43	148.95
STM45312-1-24T	4-1/2	5/16	1-1/4	24	128.43	148.95
STM45375-18T	4-1/2	3/8	1	18	138.11	158.65
STM45375-24T	4-1/2	3/8	1	24	138.11	158.65
STM45375-1-18T	4-1/2	3/8	1-1/4	18	138.11	158.65
STM45375-1-24T	4-1/2	3/8	1-1/4	24	138.11	158.65
STM45500-18T	4-1/2	1/2	1	18	152.51	177.78
STM45500-24T	4-1/2	1/2	1	24	152.51	177.78
STM45500-1-18T	4-1/2	1/2	1-1/4	18	152.51	177.78
STM45500-1-24T	4-1/2	1/2	1-1/4	24	152.51	177.78
STM45625-18T	4-1/2	5/8	1	18	176.59	210.92
STM45625-24T	4-1/2	5/8	1	24	176.59	210.92
STM45625-1-18T	4-1/2	5/8	1-1/4	18	176.59	210.92
STM45625-1-24T	4-1/2	5/8	1-1/4	24	176.59	210.92
STM45750-18T	4-1/2	3/4	1	18	184.60	218.95
STM45750-24T	4-1/2	3/4	1	24	184.60	218.95
STM45750-1-18T	4-1/2	3/4	1-1/4	18	184.60	218.95
STM45750-1-24T	4-1/2	3/4	1-1/4	24	184.60	218.95
STM45875-18T	4-1/2	7/8	1	18	225.60	268.81
STM45875-24T	4-1/2	7/8	1	24	225.60	268.81
STM45875-1-18T	4-1/2	7/8	1-1/4	18	225.60	268.81
STM45875-1-24T	4-1/2	7/8	1-1/4	24	225.60	268.81
STM45100-18T	4-1/2	1	1	18	253.68	297.72
STM45100-24T	4-1/2	1	1	24	253.68	297.72
STM45100-1-18T	4-1/2	1	1-1/4	18	253.68	297.72
STM45100-1-24T	4-1/2	1	1-1/4	24	253.68	297.72
STM451250-18T	4-1/2	1-1/4	1	18	288.96	342.33
STM451250-24T	4-1/2	1-1/4	1	24	288.96	342.33
STM451250-1-18T	4-1/2	1-1/4	1-1/4	18	288.96	342.33
STM451250-1-24T	4-1/2	1-1/4	1-1/4	24	288.96	342.33
STM5218	5	7/32	1	24	150.85	178.04
STM5218-1	5	7/32	1-1/4	24	150.85	178.04
STM5250	5	1/4	1	24	141.31	168.51
STM5250-1	5	1/4	1-1/4	24	141.31	168.51
STM5281	5	9/32	1	24	157.35	190.57
STM5281-1	5	9/32	1-1/4	24	157.35	190.57
STM5312	5	5/16	1	24	150.85	184.05
STM5312-1	5	5/16	1-1/4	24	150.85	184.05
STM5343	5	11/32	1	24	166.89	200.10
STM5343-1	5	11/32	1-1/4	24	166.89	200.10
STM5375	5	3/8	1	24	163.73	196.93
STM5375-1	5	3/8	1-1/4	24	163.73	196.93

**CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS**

# Side Milling Cutters

## Staggered Tooth (continued)

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN
STM5406	5	13/32	1	24	179.77	218.82
STM5406-1	5	13/32	1-1/4	24	179.77	218.82
STM5437	5	7/16	1	24	176.59	215.96
STM5437-1	5	7/16	1-1/4	24	176.59	215.96
STM5468	5	15/32	1	24	184.60	223.66
STM5468-1	5	15/32	1-1/4	24	184.60	223.66
STM5500	5	1/2	1	24	184.60	223.66
STM5500-1	5	1/2	1-1/4	24	139.18	178.22
STM5531-1	5	17/32	1-1/4	24	192.64	243.67
STM5562	5	9/16	1	24	196.88	247.90
STM5562-1	5	9/16	1-1/4	24	184.60	235.65
STM5593-1	5	19/32	1-1/4	24	192.64	243.67
STM5625	5	5/8	1	24	166.89	217.93
STM5625-1	5	5/8	1-1/4	24	157.35	208.39
STM5687	5	11/16	1	24	205.51	256.55
STM5687-1	5	11/16	1-1/4	24	192.64	243.67
STM5750	5	3/4	1	24	208.70	259.72
STM5750-1	5	3/4	1-1/4	24	173.40	224.42
STM5812	5	13/16	1	24	234.45	296.57
STM5812-1	5	13/16	1-1/4	24	218.39	280.51
STM5875	5	7/8	1	24	243.98	306.12
STM5875-1	5	7/8	1-1/4	24	227.92	290.04
STM5937-1	5	15/16	1-1/4	24	247.16	309.28
STM5100	5	1	1	24	240.81	302.93
STM5100-1	5	1	1-1/4	24	240.81	302.93
STM51250-1	5	1-1/4	1-1/4	24	280.94	355.05
STM51500-1	5	1-1/2	1-1/4	24	292.14	355.05
STM55250	5-1/2	1/4	1	24	157.35	184.55
STM55250-1	5-1/2	1/4	1-1/4	24	157.35	184.55
STM55312	5-1/2	5/16	1	24	184.60	217.83
STM55312-1	5-1/2	5/16	1-1/4	24	184.60	217.83
STM55375	5-1/2	3/8	1	24	184.60	217.83
STM55375-1	5-1/2	3/8	1-1/4	24	184.60	217.83
STM55500	5-1/2	1/2	1	24	216.72	255.77
STM55500-1	5-1/2	1/2	1-1/4	24	216.72	255.77
STM55625	5-1/2	5/8	1	24	227.92	278.95
STM55625-1	5-1/2	5/8	1-1/4	24	224.74	275.79
STM55750	5-1/2	3/4	1	24	237.62	288.65
STM55750-1	5-1/2	3/4	1-1/4	24	224.74	288.65
STM55875	5-1/2	7/8	1	24	258.97	321.09
STM55875-1	5-1/2	7/8	1-1/4	24	258.97	321.09
STM55100	5-1/2	1	1	24	269.58	331.70
STM55100-1	5-1/2	1	1-1/4	24	269.58	331.70
STM551250	5-1/2	1-1/4	1	24	329.93	404.04
STM551250-1	5-1/2	1-1/4	1-1/4	24	329.93	404.04
STM6250	6	1/4	1	24	189.48	216.66
STM6250-1	6	1/4	1-1/4	24	189.48	216.66
STM6281	6	9/32	1	24	216.72	249.93
STM6281-1	6	9/32	1-1/4	24	216.72	249.93
STM6312	6	5/16	1	24	195.83	229.04
STM6312-1	6	5/16	1-1/4	24	195.83	229.04
STM6343	6	11/32	1	24	224.74	257.96
STM6343-1	6	11/32	1-1/4	24	224.74	257.96
STM6375	6	3/8	1	24	208.70	241.90
STM6375-1	6	3/8	1-1/4	24	160.53	193.75

For Cobalt  
see page 12.



Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth		w/TiN
STM6406	6	13/32	1	24	227.92	266.97
STM6406-1	6	13/32	1-1/4	24	227.92	266.97
STM6437	6	7/16	1	24	216.72	255.77
STM6437-1	6	7/16	1-1/4	24	216.72	255.77
STM6468	6	15/32	1	24	237.62	276.67
STM6468-1	6	15/32	1-1/4	24	237.62	276.67
STM6500	6	1/2	1	24	199.00	238.05
STM6500-1	6	1/2	1-1/4	24	179.77	218.82
STM6531-1	6	17/32	1-1/4	24	243.98	295.00
STM6562	6	9/16	1	24	260.04	311.07
STM6562-1	6	9/16	1-1/4	24	237.62	288.65
STM6625	6	5/8	1	24	266.54	317.57
STM6625-1	6	5/8	1-1/4	24	205.51	256.55
STM6687	6	11/16	1	24	219.60	270.63
STM6687-1	6	11/16	1-1/4	24	269.74	320.76
STM6750	6	3/4	1	24	295.33	346.36
STM6750-1	6	3/4	1-1/4	24	227.92	278.95
STM6812	6	13/16	1	24	308.20	370.32
STM6812-1	6	13/16	1-1/4	24	292.14	412.58
STM6875	6	7/8	1	24	317.89	380.01
STM6875-1	6	7/8	1-1/4	24	269.74	331.86
STM6937	6	15/16	1	24	359.53	421.65
STM6937-1	6	15/16	1-1/4	24	213.17	275.29
STM6100	6	1	1	24	292.14	354.26
STM6100-1	6	1	1-1/4	24	292.14	354.26
STM61125-1	6	1-1/8	1-1/4	24	382.11	456.21
STM61187-1	6	1-3/16	1-1/4	24	388.47	462.59
STM61250-1	6	1-1/4	1-1/4	24	393.31	467.42
STM7500-1	7	1/2	1-1/4	24	389.30	446.71
STM7562-1	7	9/16	1-1/4	24	406.72	468.15
STM7625-1	7	5/8	1-1/4	24	418.98	476.38
STM7750-1	7	3/4	1-1/4	24	465.42	564.00
STM7100-1	7	1	1-1/4	24	535.79	601.27
STM8250-1	8	1/4	1-1/4	28	345.15	387.42
STM8250-2	8	1/4	1-1/2	28	345.15	387.42
STM8312-1	8	5/16	1-1/4	28	382.11	434.24
STM8312-2	8	5/16	1-1/2	28	382.11	434.24
STM8375-1	8	3/8	1-1/4	28	395.01	437.43
STM8375-2	8	3/8	1-1/2	28	395.01	437.43
STM8500-1	8	1/2	1-1/4	28	398.15	460.70
STM8500-2	8	1/2	1-1/2	28	398.15	460.70
STM8625-1	8	5/8	1-1/4	28	430.27	512.29
STM8625-2	8	5/8	1-1/2	28	430.27	512.29
STM8750-1	8	3/4	1-1/4	28	462.37	544.40
STM8750-2	8	3/4	1-1/2	28	462.37	544.40
STM8100-1	8	1	1-1/4	28	521.74	622.68

# Cobalt Side Milling Cutters

See page 32 for Cobalt Slitting Saws.

## Straight Tooth

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CSM3250	3	1/4	1	20	69.67	83.21
CSM3312	3	5/16	1	20	75.72	93.45
CSM3375	3	3/8	1	20	83.29	101.07
CSM3500	3	1/2	1	20	87.84	110.21
CSM4187	4	3/16	1	24	90.87	106.13
CSM4250	4	1/4	1	24	93.90	109.17
CSM4250-1	4	1/4	1-1/4	24	93.90	109.17
CSM4312	4	5/16	1	24	115.10	135.62
CSM4312-1	4	5/16	1-1/4	24	115.10	135.62
CSM4375	4	3/8	1	24	118.13	138.65
CSM4375-1	4	3/8	1-1/4	24	118.13	138.65
CSM4500	4	1/2	1	24	121.17	146.43
CSM4500-1	4	1/2	1-1/4	24	121.17	146.43
CSM4625-1	4	5/8	1-1/4	24	134.78	169.13
CSM4750	4	3/4	1	24	149.94	184.27
CSM4750-1	4	3/4	1-1/4	24	149.94	184.27
CSM6250-1	6	1/4	1-1/4	28	189.31	216.52
CSM6375-1	6	3/8	1-1/4	28	212.03	245.26
CSM6500-1	6	1/2	1-1/4	28	225.67	264.69
CSM6500	6	1/2	1	28	225.67	264.69

CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS



Full Radius see page 21.

## Staggered Tooth



Full Radius see page 21.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CSTM3187	3	3/16	1	18	78.75	92.30
CSTM3250	3	1/4	1	18	83.29	96.84
CSTM3312	3	5/16	1	18	93.90	111.67
CSTM3375	3	3/8	1	18	96.93	114.71
CSTM3375-1	3	3/8	1-1/4	18	96.93	114.71
CSTM3500	3	1/2	1	18	115.86	138.23
CSTM3500-1	3	1/2	1-1/4	18	115.86	138.23
CSTM4250	4	1/4	1	18	121.15	136.43
CSTM4250-1	4	1/4	1-1/4	18	121.15	136.43
CSTM4312	4	5/16	1	18	124.19	144.70
CSTM4312-1	4	5/16	1-1/4	18	124.19	144.70
CSTM4375-1	4	3/8	1-1/4	18	127.22	147.73
CSTM4500-1	4	1/2	1-1/4	18	143.88	169.15
CSTM4625-1	4	5/8	1-1/4	18	193.86	228.18
CSTM6250-1	6	1/4	1-1/4	24	245.35	272.55
CSTM6312-1	6	5/16	1-1/4	24	260.50	293.71
CSTM6375-1	6	3/8	1-1/4	24	221.12	254.33
CSTM6500-1	6	1/2	1-1/4	24	249.89	288.93
CSTM6750-1	6	3/4	1-1/4	24	324.10	375.13
CSTM6100-1	6	1	1-1/4	24	477.07	539.19

# Shell End Mills

## General Purpose - Right Hand and Left Hand Helix

General Purpose



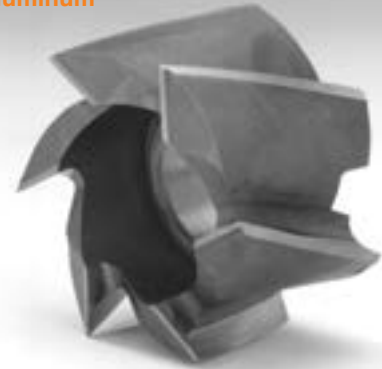
Right Hand Shown

Catalog No. Right Hand	List Price	w/TiN Coating	Diam.	Width	Hole Size	No. of Teeth	Catalog No. Left Hand	List Price	w/TiN Coating
SH1258R	63.45	80.31	1-1/4	1	1/2	8	SH1258L	68.30	85.16
SH158R	66.64	90.62	1-1/2	1-1/8	1/2	8	SH158L	71.47	95.46
SH1758R	83.14	123.89	1-3/4	1-1/4	3/4	8	SH1758L	89.52	130.26
SH210R	93.14	141.36	2	1-3/8	3/4	10	SH210L	99.49	147.71
SH22510R	102.69	161.58	2-1/4	1-1/2	1	10	SH22510L	110.71	169.60
SH2510R	122.83	190.44	2-1/2	1-5/8	1	10	SH2510L	132.52	200.13
SH27510R	152.51	220.14	2-3/4	1-5/8	1	10	SH27510L	160.54	228.15
SH312R	166.90	234.51	3	1-3/4	1-1/4	12	SH312L	182.95	250.57
SH3512R	232.78	309.59	3-1/2	1-7/8	1-1/4	12	SH3512L	248.83	325.65
SH414R	280.94	381.13	4	2-1/4	1-1/2	14	SH414L	297.00	397.19
SH4514R	361.21	461.42	4-1/2	2-1/4	1-1/2	14	SH4514L	377.27	477.47
SH516R	457.54	589.64	5	2-1/4	1-1/2	16	SH516L	481.62	613.72
SH616R	674.24	806.37	6	2-1/4	2	16	SH616L	706.36	838.47

## Aluminum - Right Hand Helix Only

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
ASH1254	1-1/4	1	1/2	4	70.58	87.43
ASH1504	1-1/2	1-1/8	1/2	4	73.01	99.49
ASH204	2	1-3/8	3/4	4	99.49	147.71
ASH254	2-1/2	1-5/8	1	4	131.61	199.23
ASH306	3	1-3/4	1-1/4	6	184.60	252.23
ASH356	3-1/2	1-7/8	1-1/4	6	280.94	357.77
ASH406	4	2-1/4	1-1/2	6	297.00	363.71
ASH456	4-1/2	2-1/4	1-1/2	6	446.77	546.98
ASH508	5	2-1/4	1-1/2	8	497.66	629.77
ASH608	6	2-1/4	2	8	730.45	862.56

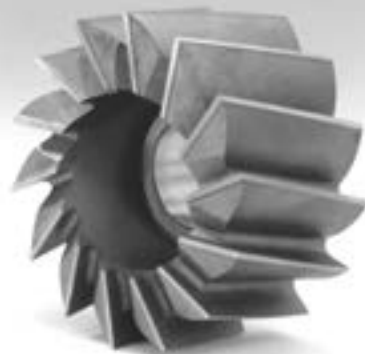
Aluminum



## Cobalt - Right Hand Helix Only

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CSH1258	1-1/4	1	1/2	8	88.59	105.73
CSH158	1-1/2	1-1/8	1/2	8	91.44	114.30
CSH1758	1-3/4	1-1/4	3/4	8	140.01	180.03
CSH210	2	1-3/8	3/4	10	140.09	188.31
CSH22510	2-1/4	1-1/2	1	10	150.02	208.60
CSH2510	2-1/2	1-5/8	1	10	182.88	250.03
CSH27510	2-3/4	1-5/8	1	10	220.03	285.76
CSH312	3	1-3/4	1-1/4	12	234.32	300.05
CSH3512	3-1/2	1-7/8	1-1/4	12	335.76	414.34
CSH414	4	2-1/4	1-1/2	14	414.34	514.36
CSH4514	4-1/2	2-1/4	1-1/2	14	*	*
CSH516	5	2-1/4	1-1/2	16	*	*
CSH616	6	2-1/4	2	16	*	*

Cobalt



\*Price On Application

# Carbide Tipped Side Milling Cutters

CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS

## For Cast Iron

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CTSM3250-CI	3	1/4	1	6	123.55	137.10
CTSM3312-CI	3	5/6	1	6	123.55	141.33
CTSM3375-CI	3	3/8	1	6	129.86	147.64
CTSM3437-CI	3	7/16	1	6	140.83	163.20
CTSM3500-CI	3	1/2	1	6	142.41	164.78
CTSM4250-CI	4	1/4	1	8	161.41	176.67
CTSM4312-CI	4	5/16	1	8	167.21	187.73
CTSM4375-CI	4	3/8	1	8	174.11	194.63
CTSM4375-1-CI	4	3/8	1-1/4	8	182.28	202.80
CTSM4437-CI	4	7/16	1	8	185.27	210.55
CTSM4500-CI	4	1/2	1	8	185.27	210.55
CTSM4500-1-CI	4	1/2	1-1/4	8	185.27	210.55
CTSM4562-CI	4	9/16	1	8	195.78	230.12
CTSM4625-CI	4	5/8	1	8	206.30	240.62
CTSM4625-1-CI	4	5/8	1-1/4	8	206.30	240.62
CTSM4750-CI	4	3/4	1	8	207.32	241.64
CTSM4750-1-CI	4	3/4	1-1/4	8	207.32	241.64
CTSM5250-CI	5	1/4	1	10	220.74	247.96
CTSM5312-CI	5	5/16	1	10	220.74	253.96
CTSM5375-1-CI	5	3/8	1-1/4	10	226.09	259.30
CTSM5437-1-CI	5	7/16	1-1/4	10	229.22	268.25
CTSM5500-CI	5	1/2	1	10	234.72	273.76
CTSM5500-1-CI	5	1/2	1-1/4	10	234.72	273.76
CTSM5562-1-CI	5	9/16	1-1/4	10	245.39	296.42
CTSM5750-CI	5	3/4	1	10	276.69	327.70
CTSM5750-1-CI	5	3/4	1-1/4	10	276.69	327.70
CTSM5100-1-CI	5	1	1-1/4	10	304.58	366.70
CTSM6375-1-CI	6	3/8	1-1/4	12	279.78	313.01
CTSM6500-CI	6	1/2	1	12	288.10	327.13
CTSM6500-1-CI	6	1/2	1-1/4	12	288.10	327.13
CTSM6625-1-CI	6	5/8	1-1/4	12	314.44	365.47
CTSM6750-CI	6	3/4	1	12	329.70	380.72
CTSM6750-1-CI	6	3/4	1-1/4	12	329.70	380.72
CTSM6100-1-CI	6	1	1-1/4	12	345.41	407.53
CTSM8750-1-CI	8	3/4	1-1/4	12	376.80	458.82
CTSM8750-2-CI	8	3/4	1-1/2	12	376.80	458.82
CTSM8100-1-CI	8	1	1-1/4	12	398.79	499.75
CTSM8100-2-CI	8	1	1-1/2	12	398.79	499.75

## For Non-Ferrous Material

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CTSM3250-NF	3	1/4	1	4	100.47	114.02
CTSM3312-NF	3	5/6	1	4	105.03	122.80
CTSM3375-NF	3	3/8	1	4	109.11	126.89
CTSM3437-NF	3	7/16	1	4	113.37	135.73
CTSM3500-NF	3	1/2	1	4	118.84	141.22
CTSM4250-NF	4	1/4	1	4	130.15	145.40
CTSM4312-NF	4	5/16	1	4	133.76	154.28
CTSM4375-NF	4	3/8	1	4	137.84	158.36
CTSM4375-1-NF	4	3/8	1-1/4	4	137.84	158.36
CTSM4437-NF	4	7/16	1	4	138.16	163.44
CTSM4500-NF	4	1/2	1	4	138.16	163.44
CTSM4537-1-NF	5	7/16	1-1/4	6	189.50	228.53
CTSM5500-NF	5	1/2	1	6	186.38	225.42
CTSM5500-1-NF	5	1/2	1-1/4	6	186.38	225.42
CTSM5562-1-NF	5	9/16	1-1/4	6	186.51	237.54
CTSM5750-NF	5	3/4	1	6	207.88	258.90
CTSM5750-1-NF	5	3/4	1-1/4	6	207.88	258.90
CTSM5100-1-NF	5	1	1-1/4	6	208.81	270.93
CTSM6375-NF	6	3/8	1	6	195.48	228.70
CTSM6500-NF	6	1/2	1	6	208.34	247.38
CTSM6500-1-NF	6	1/2	1-1/4	6	208.34	247.38
CTSM6625-1-NF	6	5/8	1-1/4	6	229.37	280.39
CTSM6750-NF	6	3/4	1	6	254.34	305.37
CTSM6750-1-NF	6	3/4	1-1/4	6	254.34	305.37
CTSM6100-1-NF	6	1	1-1/4	6	295.16	357.30
CTSM8750-1-NF	8	3/4	1-1/4	8	332.85	414.85
CTSM8750-2-NF	8	3/4	1-1/2	8	332.85	414.85
CTSM8100-1-NF	8	1	1-1/4	8	364.25	465.20
CTSM8100-2-NF	8	1	1-1/2	8	364.25	465.20

# Carbide Tipped Side Milling Cutters

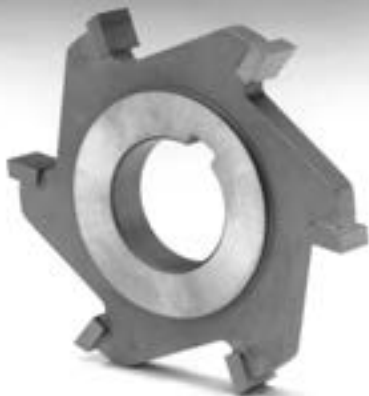
For Cast Iron



For Non-Ferrous Material



For Steel



## For Steel

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
CTSM3250-S	3	1/4	1	6	145.64	159.18
CTSM3312-S	3	5/6	1	6	148.08	165.86
CTSM3375-S	3	3/8	1	6	149.75	167.52
CTSM3437-S	3	7/16	1	6	156.38	178.75
CTSM3500-S	3	1/2	1	6	160.43	182.81
CTSM4250-S	4	1/4	1	8	176.46	191.72
CTSM4312-S	4	5/16	1	8	187.77	208.29
CTSM4375-S	4	3/8	1	8	194.90	215.41
CTSM4375-1-S	4	3/8	1-1/4	8	198.35	218.87
CTSM4437-S	4	7/16	1	8	213.54	238.81
CTSM4500-S	4	1/2	1	8	219.48	244.76
CTSM4500-1-S	4	1/2	1-1/4	8	221.68	246.96
CTSM4562-S	4	9/16	1	8	221.68	256.02
CTSM4625-S	4	5/8	1	8	229.85	264.18
CTSM4625-1-S	4	5/8	1-1/4	8	229.85	264.18
CTSM4750-S	4	3/4	1	8	239.90	274.23
CTSM4750-1-S	4	3/4	1-1/4	8	239.90	274.23
CTSM5250-S	5	1/4	1	10	238.72	265.94
CTSM5312-S	5	5/16	1	10	238.72	271.94
CTSM5375-1-S	5	3/8	1-1/4	10	248.05	281.28
CTSM5437-1-S	5	7/16	1-1/4	10	257.48	296.51
CTSM5500-S	5	1/2	1	10	261.07	300.10
CTSM5500-1-S	5	1/2	1-1/4	10	261.07	300.10
CTSM5562-1-S	5	9/16	1-1/4	10	266.76	317.78
CTSM5750-S	5	3/4	1	10	285.76	336.78
CTSM5750-1-S	5	3/4	1-1/4	10	285.76	336.78
CTSM5100-1-S	5	1	1-1/4	10	304.58	366.70
CTSM6375-1-S	6	3/8	1-1/4	12	285.06	318.28
CTSM6500-S	6	1/2	1	12	286.60	325.63
CTSM6500-1-S	6	1/2	1-1/4	12	286.60	325.63
CTSM6625-1-S	6	5/8	1-1/4	12	297.60	348.63
CTSM6750-S	6	3/4	1	12	304.66	355.69
CTSM6750-1-S	6	3/4	1-1/4	12	304.66	355.69
CTSM6100-1-S	6	1	1-1/4	12	358.58	420.71
CTSM8750-1-S	8	3/4	1-1/4	12	373.67	455.67
CTSM8750-2-S	8	3/4	1-1/2	12	373.67	455.67
CTSM8100-1-S	8	1	1-1/4	12	297.06	506.01
CTSM8100-2-S	8	1	1-1/2	12	297.06	506.01

# H.S.S. Combined Drills and Countersinks

## H.S.S. Combined Drills and Countersinks

Catalog No.	Size	Body Diam.	Drill Diam.	Pkg. Qty.	List Price
CDC-0	0	1/8	1/32	6	5.36
CDC-1	1	1/8	3/64	6	7.02
CDC-2	2	3/16	5/64	6	7.38
CDC-3	3	1/4	7/64	6	7.74
CDC-4	4	5/16	1/8	3	7.98
CDC-45	4-1/2	3/8	9/64	1	7.29
CDC-5	5	7/16	3/16	1	12.50
CDC-6	6	1/2	7/32	1	18.93
CDC-7	7	5/8	1/4	1	28.69
CDC-8	8	3/4	5/16	1	39.40
CDC-11	11	1/8	3/64	6	8.33
CDC-12	12	3/16	1/16	6	8.81
CDC-13	13	1/4	3/32	6	8.93
CDC-14	14	5/16	7/64	3	9.29
CDC-15	15	7/16	5/32	1	14.05
CDC-16	16	1/2	3/16	1	21.67
CDC-17	17	5/8	7/32	1	33.57
CDC-18	18	3/4	1/4	1	44.52



# Corner Rounding End Mills

## Corner Rounding End Mills

Mfg. with Std. Weldon Flats



Catalog No.	Radius	Shank	Large Diam.	O.A.L.	List Price	w/TiN Coating
CR032	1/32	3/8	7/16	2-1/2	55.38	64.21
CR062	1/16	3/8	7/16	2-1/2	40.78	49.60
CR093	3/32	3/8	1/2	2-1/2	49.60	52.33
CR125	1/8	1/2	5/8	3	53.47	62.29
CR156	5/32	1/2	3/4	3	58.68	67.51
CR187	3/16	1/2	7/8	2-15/16	85.55	100.61
CR187-1	3/16	3/4	7/8	3-1/8	86.78	101.87
CR250	1/4	1/2	1	3	73.94	91.39
CR250-1	1/4	3/4	1	3-1/4	73.94	95.39
CR312	5/16	3/4	1-1/8	3-1/4	90.70	118.27
CR312-1	5/16	7/8	1-1/8	3-1/2	90.70	118.27
CR375	3/8	3/4	1-1/4	3-1/2	103.11	130.68
CR375-1	3/8	7/8	1-1/4	3-3/4	103.11	130.68
CR437	7/16	3/4	1-3/8	3-3/4	134.33	167.83
CR437-1	7/16	1	1-3/8	4	134.33	167.83
CR500	1/2	3/4	1-1/2	3-7/8	141.99	175.50
CR500-1	1/2	1	1-1/2	4-1/8	141.99	175.50
CR625	5/8	3/4	1-15/16	4	146.18	192.57
CR625-1	5/8	1	1-15/16	4-1/4	146.18	200.59
CR750	3/4	5/8	2-1/4	4-1/8	168.19	214.57
CR750-1	3/4	3/4	2-1/4	4-1/8	168.19	221.31
CR750-2	3/4	1	2-1/4	4-5/16	168.19	230.37



# T-Slot Cutters – H.S.S. and Cobalt

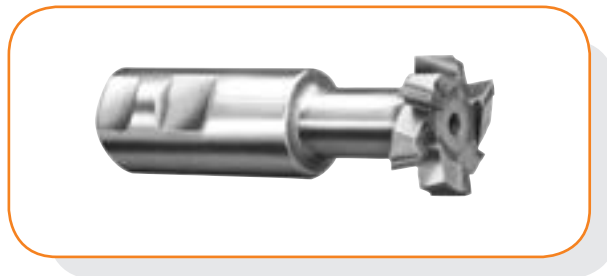
## Staggered Tooth

Straight Shank - High Speed Steel. Right Hand cut standard with staggered teeth. Excellent chip clearance.



H.S.S.	List Price	w/TiN Coating	Bolt Size	Cutter Diam.	Cutter Width	Neck Diam.	Shank Diam.	O.A.L.	No. of Teeth	Cobalt	List Price	w/TiN Coating
TS50	53.76	64.27	1/4	9/16	15/64	17/64	1/2	2-19/32	8	CTS50	70.96	80.77
TS75	57.86	69.43	5/16	21/32	17/64	21/64	1/2	2-11/16	8	CTS75	75.93	86.77
TS100	85.11	103.70	3/8	25/32	21/64	13/32	3/4	3-1/4	8	CTS100	108.66	126.04
TS125	96.34	115.65	1/2	31/32	25/64	17/32	3/4	3-7/16	8	CTS125	123.74	143.77
TS150	131.31	157.92	5/8	1-1/4	31/64	21/32	1	3-15/16	10	CTS150	167.53	192.40
TS175	153.72	189.21	3/4	1-15/32	5/8	25/32	1	4-7/16	10	CTS175	203.40	231.15
TS200	247.16	294.48	1	1-27/32	53/64	1-1/32	1-1/4	4-13/16	10	CTS200	288.73	332.96
TS225	329.10	376.41	1-1/4	2-7/32	1-3/32	1-7/32	1-1/4	5-3/8	10	CTS225	384.46	428.67
TS250	425.41	484.53	1-1/2	2-21/32	1-11/32	1-7/32	1-1/4	5-29/32	12	CTS250	496.97	552.23

# T-Slot Cutters – Carbide Tipped



General Purpose	Steel	Bolt Size	Cutter Diam.	Cutter Width	Neck Diam.	Shank Diam.	O.A.L.	List Price
CTTS50-GP	CTTS50-S	1/4	9/16	15/64	17/64	1/2	2-19/32	104.25
CTTS75-GP	CTTS75-S	5/16	21/32	17/64	21/64	1/2	2-11/16	107.72
CTTS100-GP	CTTS100-S	3/8	25/32	21/64	13/32	3/4	3-1/4	135.62
CTTS125-GP	CTTS125-S	1/2	31/32	25/64	17/32	3/4	3-7/16	148.69
CTTS150-GP	CTTS150-S	5/8	1-1/4	31/64	21/32	1	3-15/16	196.50
CTTS175-GP	CTTS175-S	3/4	1-15/32	5/8	25/32	1	4-7/16	217.86
CTTS200-GP	CTTS200-S	1	1-27/32	53/64	1-1/32	1-1/4	4-13/16	296.47
CTTS225-GP	CTTS225-S	1-1/4	2-7/32	1-3/32	1-9/32	1-1/4	5-3/8	382.88
CTTS250-GP	CTTS250-S	1-1/2	2-21/32	1-11/32	1-7/32	1-1/4	5-29/32	460.78

# Dovetail Cutters

## H.S.S. / Cobalt

H.S.S.	List Price	w/TiN Coating	Diam.	Width	Angle	O.A.L.	Shank	No. of Teeth	Cobalt	List Price	w/TiN Coating
DT3758-45	41.66	51.30	3/8	1/8	45°	2-1/16	3/8	8	CDT3758-45	52.03	61.85
DT5008-45	45.06	54.70	1/2	1/8	45°	2-1/8	3/8	8	CDT5008-45	55.40	66.23
DT7508-45	51.13	60.77	3/4	7/32	45°	2-5/32	3/8	8	CDT7508-45	62.86	82.90
DT137510-45	81.79	93.36	1-3/8	3/8	45°	2-17/32	1/2	10	CDT137510-45	101.97	126.86
DT137512-45	81.79	93.36	1-3/8	3/8	45°	2-13/16	5/8	10	CDT137512-45	101.97	126.86
DT187512-45	178.72	190.29	1-7/8	1/2	45°	2-15/16	7/8	12	CDT187512-45	219.75	263.98
DT225012-45	212.03	232.82	2-1/4	11/16	45°	3-9/16	1	12	CDT225012-45	250.37	294.57
DT250012-45	251.40	272.20	2-1/2	3/4	45°	3-3/4	1	12	CDT250012-45	295.03	351.12
DT3758-60	41.66	51.30	3/8	3/16	60°	2-1/8	3/8	8	CDT3758-60	52.03	61.85
DT5008-60	45.06	54.70	1/2	7/32	60°	2-1/8	3/8	8	CDT5008-60	55.40	66.23
DT7508-60	51.13	60.77	3/4	5/16	60°	2-1/8	3/8	8	CDT7508-60	62.86	82.90
DT137512-60	81.79	93.36	1-3/8	9/16	60°	3	5/8	12	CDT137512-60	101.97	126.86
DT187512-60	178.72	190.29	1-7/8	13/16	60°	3-1/4	7/8	12	CDT187512-60	219.75	263.98
DT225012-60	212.03	232.82	2-1/4	1-1/16	60°	3-3/4	1	12	CDT225012-60	250.37	294.57
DT250012-60	251.40	272.19	2-1/2	1-1/8	60°	3-3/4	1	12	CDT250012-60	295.03	351.12



## Carbide Tipped\*

General Purpose	Steel	Diam.	Width	Shank	O.A.L.	List Price
CTDT500-45-GP	CTDT500-45-S	1/2	5/32	3/8	2-1/8	95.35
CTDT750-45-GP	CTDT750-45-S	3/4	1/4	3/8	2-1/4	101.35
CTDT1000-45-GP	CTDT1000-45-S	1	5/16	1/2	2-1/2	108.52
CTDT1250-45-GP	CTDT1250-45-S	1-1/4	3/8	5/8	2-3/4	124.62
CTDT1500-45-GP	CTDT1500-45-S	1-1/2	1/2	3/4	3-1/4	137.53
CTDT2000-45-GP	CTDT2000-45-S	2	5/8	1	4-1/4	191.91
CTDT2500-45-GP	CTDT2500-45-S	2-1/2	3/4	1-1/4	4-3/8	262.92
CTDT3000-45-GP	CTDT3000-45-S	3	1	1-1/4	4-1/2	314.99
CTDT500-60-GP	CTDT500-60-S	1/2	7/32	3/8	2-1/8	95.35
CTDT750-60-GP	CTDT750-60-S	3/4	1/4	3/8	2-1/4	101.35
CTDT1000-60-GP	CTDT1000-60-S	1	3/8	1/2	2-1/2	108.52
CTDT1250-60-GP	CTDT1250-60-S	1-1/4	1/2	5/8	2-3/4	124.62
CTDT1500-60-GP	CTDT1500-60-S	1-1/2	5/8	3/4	3-1/4	137.53
CTDT2000-60-GP	CTDT2000-60-S	2	3/4	1	4-1/4	191.91
CTDT2500-60-GP	CTDT2500-60-S	2-1/2	7/8	1-1/4	4-3/8	262.92
CTDT3000-60-GP	CTDT3000-60-S	3	1-1/8	1-1/4	4-1/2	314.99

\* Carbide tipped dovetails have a .015/020 radius on corner – actual diameter is slightly smaller than the nominal listed diameter.

# Double Angle Cutters



## Double Angle Cutters

Catalog No.	Cut Diam.	Width	Shank	O.A.L.	List Price	w/TiN Coating
<b>60 Degree Included Angle</b>						
SDA750-60	3/4	3/16	3/8	2-3/8	29.45	40.21
SDA100-60	1	5/16	1/2	2-27/32	48.41	63.14
SDA1375-60	1-3/8	7/16	5/8	3-7/32	64.54	86.81
SDA1500-60	1-1/2	1/2	5/8	3-3/8	84.72	132.97
SDA1875-60	1-7/8	5/8	3/4	3-25/32	98.15	147.55
SDA2250-60	2-1/4	3/4	7/8	4-5/32	142.97	197.09
<b>90 Degree Included Angle</b>						
SDA750-90	3/4	1/4	3/8	2-7/16	29.45	40.21
SDA100-90	1	3/8	1/2	2-29/32	48.41	63.14
SDA1375-90	1-3/8	1/2	5/8	3-9/32	64.54	86.81
SDA1500-90	1-1/2	9/16	5/8	3-7/16	84.72	132.97
SDA1875-90	1-7/8	5/8	3/4	3-25/32	98.15	147.55
SDA2250-90	2-1/4	3/4	7/8	4-5/32	142.97	197.09

# Chamfer Tools

## Chamfer Tools

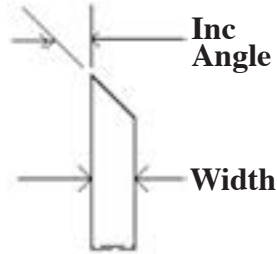
Catalog No.	Diam.	Width	Shank	O.A.L.	List Price	w/TiN Coating
<b>45 Degree Included Angle</b>						
SAC500-45	1/2	1/8	3/8	2-1/8	31.32	40.33
SAC750-45	3/4	3/16	3/8	2-1/8	36.30	49.12
SAC1000-45	1	5/16	1/2	2-1/2	45.19	68.96
SAC1500-45	1-1/2	1/2	3/4	2-3/4	64.93	94.22
<b>60 Degree Included Angle</b>						
SAC500-60	1/2	7/32	3/8	2-1/8	31.32	40.33
SAC750-60	3/4	5/16	3/8	2-1/8	36.30	49.12
SAC1000-60	1	7/16	1/2	2-1/2	45.19	68.96
SAC1500-60	1-1/2	5/8	3/4	2-3/4	64.93	94.22



# Angle Milling Cutters

## Single Angle

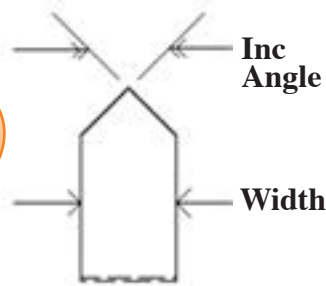
Single Angle Cutters come in 45 and 60 Degree Included Angles. All cutters have 20 teeth.



Catalog No. Right Hand	Catalog No. Left Hand	Diam.	Width	Hole Size	Inc. Angle	List Price	w/TiN Coating
SA27500-R-45	SA27500-L-45	2-3/4	1/2	1	45	74.67	97.05
SA3500-R-45	SA3500-L-45	3	1/2	1-1/4	45	88.30	110.67
SA4500-R-45	SA4500-L-45	4	1/2	1-1/4	45	163.73	188.98
SA4750-R-45	SA4750-L-45	4	3/4	1-1/4	45	176.59	210.92
SA4100-R-45	SA4100-L-45	4	1	1-1/4	45	215.06	259.10
SA27500-R-60	SA27500-L-60	2-3/4	1/2	1	60	74.67	97.05
SA-3500-R-60	SA3500-L-60	3	1/2	1-1/4	60	88.14	110.67
SA4500-R-60	SA4500-L-60	4	1/2	1-1/4	60	163.73	188.98
SA4750-R-60	SA4750-L-60	4	3/4	1-1/4	60	176.59	210.92
SA4100-R-60	SA4100-L-60	4	1	1-1/4	60	215.06	259.10



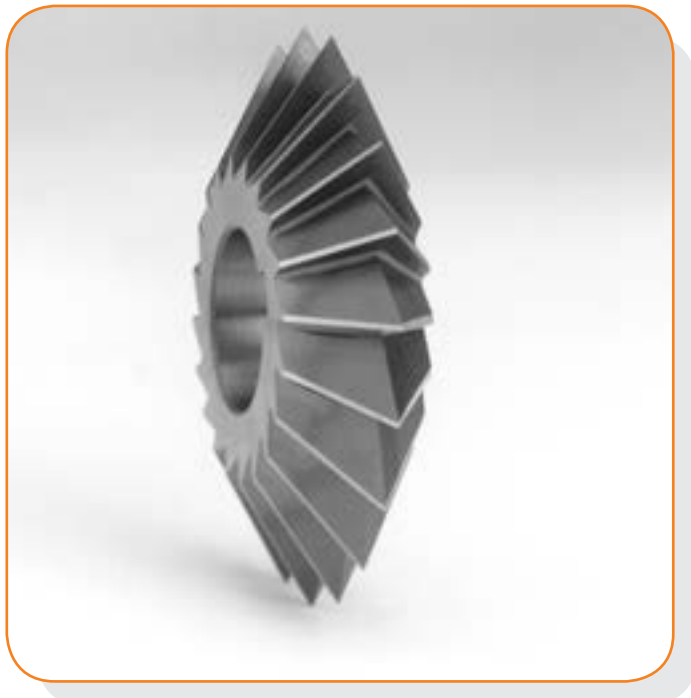
**CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS**



## Double Angle

Double Angle Cutters come in 45, 60, and 90 Degree Included Angles. All cutters have 20 teeth.

Catalog No.	Diam.	Width	Hole Size	Inc Angle	List Price	w/TiN Coating
DA27500-45	2-3/4	1/2	1	45	73.92	96.28
DA3500-45	3	1/2	1	45	72.69	95.07
DA4500-45	4	1/2	1-1/4	45	166.60	191.87
DA4750-45	4	3/4	1-1/4	45	185.52	219.86
DA27500-60	2-3/4	1/2	1	60	73.92	96.28
DA3500-60	3	1/2	1	60	72.69	95.07
DA4500-60	4	1/2	1-1/4	60	163.73	188.98
DA4750-60	4	3/4	1-1/4	60	176.59	210.92
DA4100-60	4	1	1-1/4	60	218.39	262.44
DA5750-60	5	3/4	1-1/4	60	283.18	307.90
DA5100-60	5	1	1-1/4	60	343.25	365.04
DA6100-60	6	1	1-1/4	60	428.07	465.84
DA61250-60	6	1-1/4	1-1/4	60	549.35	582.92
DA61500-60	6	1-1/2	1-1/4	60	581.64	612.01
DA27500-90	2 3/4	1/2	1	90	73.92	96.28
DA3500-90	3	1/2	1	90	72.69	95.07
DA4500-90	4	1/2	1-1/4	90	163.73	188.98
DA4750-90	4	3/4	1-1/4	90	176.59	210.92
DA4100-90	4	1	1-1/4	90	218.39	262.44
DA5750-90	5	3/4	1-1/4	90	283.18	307.89
DA5100-90	5	1	1-1/4	90	365.04	365.04
DA6100-90	6	1	1-1/4	90	428.07	465.84
DA61250-90	6	1-1/4	1-1/4	90	549.35	582.92
DA61500-90	6	1-1/2	1-1/4	90	581.64	612.01



# Full Radius Side Milling Cutters

Cobalt Part #	Cobalt List	Diam.	Width	I.D.	H.S.S. PART #	H.S.S List
BCSM3250	126.86	3	1/4	1	BSM3250	109.49
BCSM3250-1	126.86	3	1/4	1 1/4	BSM3250-1	109.49
BCSM3375	140.21	3	3/8	1	BSM3375	122.85
BCSM3375-1	140.21	3	3/8	1 1/4	BSM3375-1	122.85
BCSM3500	146.88	3	1/2	1	BSM3500	126.86
BCSM3500-1	146.88	3	1/2	1 1/4	BSM3500-1	126.86
BCSM4250	153.55	4	1/4	1	BSM4250	130.86
BCSM4250-1	153.55	4	1/4	1 1/4	BSM4250-1	130.86
BCSM4375	173.59	4	3/8	1	BSM4375	146.88
BCSM4375-1	173.59	4	3/8	1 1/4	BSM4375-1	146.88
BCSM4500	180.26	4	1/2	1	BSM4500	153.55
BCSM4500-1	180.26	4	1/2	1 1/4	BSM4500-1	153.55
BCSM4500-1	260.39	6	1/4	1 1/4	BSM4500-1	186.94
BCSM6375-1	273.73	6	3/8	1 1/4	BSM6375-1	213.65
BCSM6500-1	287.09	6	1/2	1 1/4	BSM6500-1	224.34

## Straight Tooth



## Staggered Tooth



Cobalt Part #	Cobalt List	Diam.	Width	I.D.	H.S.S. PART #	H.S.S List
BCSTM3250	153.55	3	1/4	1	BSTM3250	130.86
BCSTM3250-1	153.55	3	1/4	1 1/4	BSTM3250-1	130.86
BCSTM3375	166.91	3	3/8	1	BSTM3375	146.88
BCSTM3375-1	166.91	3	3/8	1 1/4	BSTM3375-1	146.88
BCSTM3500	193.62	3	1/2	1	BSTM3500	153.55
BCSTM3500-1	193.62	3	1/2	1 1/4	BSTM3500-1	153.55
BCSTM4250	197.62	4	1/4	1	BSTM4250	160.24
BCSTM4250-1	197.62	4	1/4s	1 1/4	BSTM4250-1	160.24
BCSTM4375-1	202.96	4	3/8	1 1/4	BSTM4375-1	165.59
BCSTM4500-1	220.32	4	1/2	1 1/4	BSTM4500-1	180.26
BCSTM6250-1	307.11	6	1/4	1 1/4	BSTM4500-1	253.70
BCSTM6375-1	313.79	6	3/8	1 1/4	BSTM6375-1	260.39
BCSTM6500-1	333.83	6	1/2	1 1/4	BSTM6500-1	280.41

# Full Radius Slitting Saws

## Straight T. Slitting Saw

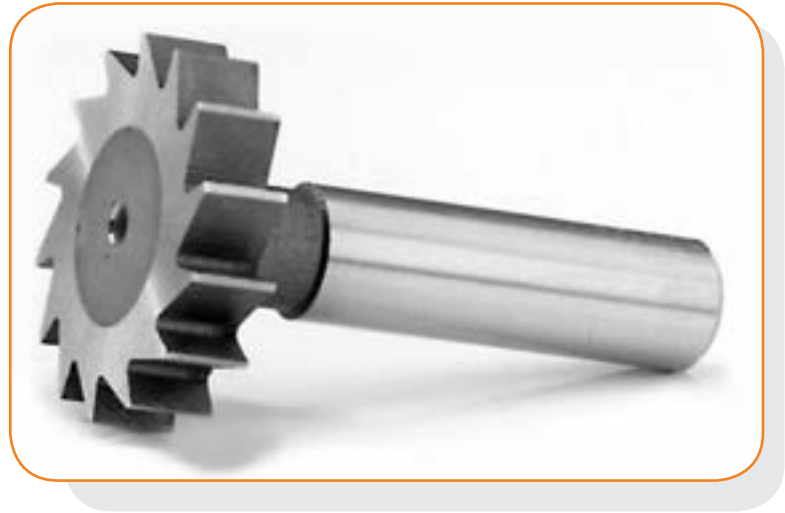


Part #	Diam. x Width	I.D.	Price
BSS25125	2 1/2 x 1/8	7/8	111.99
BSS362	3 x 1/16	1	126.86
BSS393	3 x 3/32	1	126.86
BSS3125	3 x 1/8	1	126.86
BSS3156	3 x 5/32	1	126.86
BSS3187	3 x 3/16	1	153.55
BSS3250	3 x 1/4	1	162.91
BSS462	4 x 1/16	1	150.90
BSS462-1	4 x 1/16	1 1/4	165.59
BSS493	4 x 3/32	1	160.24
BSS493-1	4 x 3/32	1 1/4	180.26
BSS4125	4 x 1/8	1	160.24
BSS4215-1	4 x 1/8	1 1/4	180.26

Part #	Diam. x Width	I.D.	Price
BSS4156	4 x 5/32	1	160.24
BSS4156-1	4 x 5/32	1 - 1/4	180.26
BSS4187	4 x 3/16	1	160.24
BSS4187-1	4 x 3/16	1 - 1/4	180.26
BSS4250	4 x 1/4	1	193.61
BSS4250-1	4 x 1/4	1 - 1/4	193.61
BSS6125	6 x 1/8	1	220.33
BSS6125-1	6 x 1/8	1 1/4	220.33
BSS6156	6 x 5/32	1	280.41
BSS6156-1	6 x 5/32	1 1/4	280.41
BSS6187	6 x 3/16	1	287.10
BSS6187-1	6 x 3/16	1 1/4	287.10
BSS6250	6 x 1/4	1	293.77
BSS6250-1	6 x 1/4	1 - 1/4	293.77

## Large Diameter Keyseat Cutters

Catalog No.	Diam. x Width	Shank	Price
LDKY16-18	1-5/8 x 1/8	1/2	136.58
LDKY16-316	1-5/8 x 3/16	1/2	136.58
LDKY16-14	1-5/8 x 1/4	1/2	136.58
LDKY16-516	1-5/8 x 5/16	1/2	136.58
LDKY16-38	1-5/8 x 3/8	1/2	136.58
LDKY16-12	1-5/8 x 1/2	1/2	136.58
LDKY17-18	1-3/4 x 1/8	1/2	150.98
LDKY17-316	1-3/4 x 3/16	1/2	150.98
LDKY17-14	1-3/4 x 1/4	1/2	150.98
LDKY17-516	1-3/4 x 5/16	1/2	150.98
LDKY17-38	1-3/4 x 3/8	1/2	150.98
LDKY17-12	1-3/4 x 1/2	1/2	150.98
LDKY18-18	1-7/8 x 1/8	1/2	154.31
LDKY18-316	1-7/8 x 3/16	1/2	154.31
LDKY18-14	1-7/8 x 1/4	1/2	154.31
LDKY18-516	1-7/8 x 5/16	1/2	154.31
LDKY18-38	1-7/8 x 3/8	1/2	154.31
LDKY18-12	1-7/8 x 1/2	1/2	154.31
LDKY2-18	2 x 1/8	1/2	162.18
LDKY2-316	2 x 3/16	1/2	162.18
LDKY2-14	2 x 1/4	1/2	162.18
LDKY2-516	2 x 5/16	1/2	162.18
LDKY2-38	2 x 3/8	1/2	162.18
LDKY2-12	2 x 1/2	1/2	162.18



Mfg. with Std. Weldon Flats

Made from high speed steel – straight tooth.  
One piece construction. Specials quoted on request.  
See page 33 for specials.

## Solid Carbide Keyseat Cutters

### Straight Tooth -Right Hand Cut



CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS

Catalog No.	Amer. Std.	Diam. x Width	Price
SC202	203	1/4 x 1/16	151.90
SC203	202	3/8 x 1/16	159.88
SC303	303	3/8 x 3/32	90.98
SC403	403	3/8 x 1/8	90.98
SC204	204	1/2 x 1/16	95.81
SC304	304	1/2 x 3/32	95.81
SC404	404	1/2 x 1/8	95.81
SC305	305	5/8 x 3/32	107.74
SC405	405	5/8 x 1/8	110.24
SC505	505	5/8 x 5/32	112.50
SC605	605	5/8 x 3/16	114.52
SC406	406	3/4 x 1/8	139.64
SC506	506	3/4 x 5/32	142.50
SC606	606	3/4 x 3/16	146.67
SC706	706	3/4 x 7/32	148.10
SC806	806	3/4 x 1/4	149.05
SC507	507	7/8 x 5/32	162.86
SC607	607	7/8 x 3/16	165.95
SC707	707	7/8 x 7/32	168.10

Catalog No.	Amer. Std.	Diam. x Width	Price
SC807	807	7/8 x 1/4	170.24
SC608	608	1 x 3/16	184.29
SC708	708	1 x 7/32	188.57
SC808	808	1 x 1/4	190.36
SC1008	1008	1 x 5/16	197.01
SC1208	1208	1 x 3/8	205.48
SC609	609	1-1/8 x 3/16	215.00
SC709	709	1-1/8 x 7/32	217.86
SC809	809	1-1/8 x 1/4	227.02
SC1009	1009	1-1/8 x 5/16	232.26
SC610	610	1-1/4 x 3/16	217.62
SC710	710	1-1/4 x 7/32	223.21
SC810	810	1-1/4 x 1/4	226.79
SC1010	1010	1-1/4 x 5/16	231.50
SC1210	1210	1-1/4 x 3/8	233.81
SC812	812	1-1/2 x 1/4	239.52
SC1012	1012	1-1/2 x 5/16	253.42
SC1212	1212	1-1/2 x 3/8	253.42

TiN coating Price On Application

# Woodruff Keyseat Cutters – H.S.S. and Cobalt

**Straight Tooth**



**Staggered Tooth**



• Strong, one-piece construction on all keyseat cutters •

Sizes 1/2" shank, rh cut			Straight Tooth High Speed Steel			Staggered Tooth High Speed Steel			Straight Tooth Cobalt			Staggered Tooth Cobalt		
Amer. Std.	Diam.	Width	Part No.		w/TiN Coating	Part No.		w/TiN Coating	Part No.	List Price	w/TiN Coating	Part No.	List Price	w/TiN Coating
202	1/4	1/16	KY200	15.93	28.47	STKY200	20.44	32.97	CKY200	22.28	34.81	CSTKY200	29.64	42.16
202-1/2	5/16	1/16	KY225	15.93	28.47	STKY225	20.44	32.97	CKY225	22.28	34.81	CSTKY225	29.64	42.16
302-1/2	5/16	3/32	KY250	15.93	28.47	STKY250	20.44	32.97	CKY250	22.28	34.81	CSTKY250	29.64	42.16
203	3/8	1/16	KY275	15.93	28.47	STKY275	20.44	32.97	CKY275	22.28	34.81	CSTKY275	29.64	42.16
303	3/8	3/32	KY300	15.93	28.47	STKY300	20.44	32.97	CKY300	22.28	34.81	CSTKY300	29.64	42.16
403	3/8	1/8	KY325	15.93	28.47	STKY325	20.44	32.97	CKY325	22.28	34.81	CSTKY325	29.64	42.16
204	1/2	1/16	KY350	15.93	28.47	STKY350	18.03	30.55	CKY350	22.28	34.81	CSTKY350	26.28	38.80
304	1/2	3/32	KY375	15.93	28.47	STKY375	18.03	30.55	CKY375	22.28	34.81	CSTKY375	26.28	38.89
305	5/8	3/32	KY400	15.93	28.47	STKY400	18.18	30.72	CKY400	22.28	34.81	CSTKY400	26.36	36.01
404	1/2	1/8	KY425	15.93	28.47	STKY425	18.03	30.55	CKY425	22.28	34.81	CSTKY425	26.28	38.80
405	5/8	1/8	KY450	15.93	28.47	STKY450	18.18	30.72	CKY450	22.28	34.81	CSTKY450	25.87	40.48
406	3/4	1/8	KY475	16.89	29.74	STKY475	21.20	34.05	CKY475	23.31	36.16	CSTKY475	30.87	43.72
505	5/8	5/32	KY500	15.93	28.47	STKY500	18.18	30.72	CKY500	23.31	35.85	CSTKY500	26.36	38.89
605	5/8	3/16	KY525	15.93	28.47	STKY525	18.18	30.72	CKY525	23.31	35.85	CSTKY525	26.36	38.89
506	3/4	5/32	KY575	16.89	29.74	STKY575	21.20	34.05	CKY575	23.31	38.39	CSTKY575	30.87	43.72
806	3/4	1/4	KY600	16.89	29.74	STKY600	21.20	34.05	CKY600	25.54	38.39	CSTKY600	30.87	43.72
507	7/8	5/32	KY625	18.40	31.24	STKY625	23.24	36.09	CKY625	25.54	38.39	CSTKY625	33.83	46.59
606	3/4	3/16	KY650	16.89	29.74	STKY650	21.20	34.05	CKY650	25.54	38.39	CSTKY650	30.87	43.72
607	7/8	3/16	KY675	18.40	31.24	STKY675	23.24	36.09	CKY675	25.54	38.39	CSTKY675	33.73	46.59
707	7/8	7/32	KY700	18.93	31.78	STKY700	23.24	36.09	CKY700	25.54	38.39	CSTKY700	33.73	46.59
608	1	3/16	KY725	20.44	33.29	STKY725	26.13	38.98	CKY725	28.00	40.85	CSTKY725	37.81	50.67
708	1	7/32	KY750	20.44	33.29	STKY750	26.13	38.98	CKY750	28.00	40.85	CSTKY750	37.81	50.67
1208	1	3/8	KY775	20.44	33.74	STKY775	26.50	39.36	CKY775	29.03	41.87	CSTKY775	38.55	51.39
609	1-1/8	3/16	KY800	22.65	35.49	STKY800	30.13	42.98	CKY800	31.49	44.33	CSTKY800	43.75	56.59
807	7/8	1/4	KY825	18.93	31.78	STKY825	23.24	36.09	CKY825	25.54	38.39	CSTKY825	33.73	46.59
808	1	1/4	KY850	20.44	33.29	STKY850	26.13	38.98	CKY850	28.00	40.85	CSTKY850	37.81	50.67
709	1-1/8	7/32	KY875	22.65	36.26	STKY875	30.13	42.98	CKY875	31.49	45.08	CSTKY875	43.75	57.35
809	1-1/8	1/4	KY900	23.32	36.91	STKY900	30.13	42.98	CKY900	31.49	45.08	CSTKY900	43.75	57.35
610	1-1/4	3/16	KY925	25.28	38.90	STKY925	31.44	45.04	CKY925	35.16	48.76	CSTKY925	45.49	59.09
710	1-1/4	7/32	KY950	25.28	38.90	STKY950	28.44	45.04	CKY950	35.16	48.76	CSTKY950	45.49	59.09
810	1-1/4	1/4	KY975	26.13	39.74	STKY975	33.02	46.62	CKY975	35.16	48.76	CSTKY975	48.03	61.64
811	1-3/8	1/4	KY1000	29.54	43.46	STKY1000	36.80	50.72	CKY1000	40.67	54.59	CSTKY1000	53.47	67.38
812	1-1/2	1/4	KY1025	30.29	44.20	STKY1025	39.38	53.30	CKY1025	42.12	56.03	CSTKY1025	57.25	71.16
1008	1	5/16	KY1050	20.90	33.37	STKY1050	26.50	39.04	CKY1050	29.03	41.50	CSTKY1050	38.55	50.45
1009	1-1/8	5/16	KY1075	24.22	37.84	STKY1075	31.05	44.66	CKY1075	33.53	47.13	CSTKY1075	44.58	58.17
1010	1-1/4	5/16	KY1080	27.18	40.79	STKY1080	34.07	47.68	CKY1080	37.62	51.21	CSTKY1080	49.27	62.86
1011	1-3/8	5/16	KY1100	29.54	43.46	STKY1100	36.80	50.72	CKY1100	40.67	54.59	CSTKY1100	53.47	67.38
1012	1-1/2	5/16	KY1125	31.35	45.28	STKY1125	39.38	53.30	CKY1125	43.34	57.27	CSTKY1125	57.25	71.16
1210	1-1/4	3/8	KY1150	27.18	41.10	STKY1150	34.07	48.00	CKY1150	37.62	51.53	CSTKY1150	49.27	63.17
1211	1-3/8	3/8	KY1175	29.92	43.84	STKY1175	37.49	51.41	CKY1175	40.67	54.59	CSTKY1175	54.18	68.08
1212	1-1/2	3/8	KY1200	32.56	46.48	STKY1200	41.66	55.57	CKY1200	43.34	57.27	CSTKY1200	60.31	74.22

For narrow width sizes, see page 25.

For carbide tipped, see page 24.

# Woodruff Keyseat Cutters – Carbide Tipped

**Straight Tooth**



**Staggered Tooth**



## Keyseat Cutters - Carbide Tipped

1/2" shanks – Right Hand cut; chip breakers on all tools 5/32" wide and greater.

Amer. Std.	Diam.	Width	Straight	List Price	Staggered	List Price
204	1/2	1/16	TC204	80.10	STC204	94.23
304	1/2	3/32	TC304	80.10	STC304	94.23
404	1/2	1/8	TC404	80.10	STC404	94.23
305	5/8	3/32	TC305	82.94	STC305	97.59
405	5/8	1/8	TC405	82.94	STC405	97.59
505	5/8	5/32	TC505	82.94	STC505	97.59
605	5/8	3/16	TC605	82.94	STC605	97.59
406	3/4	1/8	TC406	86.59	STC406	104.12
506	3/4	5/32	TC506	86.59	STC506	104.12
606	3/4	3/16	TC606	86.59	STC606	104.12
806	3/4	1/4	TC806	86.59	STC806	104.12
507	7/8	5/32	TC507	90.68	STC507	106.60
607	7/8	3/16	TC607	90.68	STC607	106.60
707	7/8	7/32	TC707	90.68	STC707	106.60
807	7/8	1/4	TC807	90.68	STC807	106.60
608	1	3/16	TC608	102.27	STC608	120.32
708	1	7/32	TC708	102.27	STC708	120.32
808	1	1/4	TC808	102.27	STC808	120.32
1008	1	5/16	TC1008	102.27	STC1008	120.32
1208	1	3/8	TC1208	102.27	STC1208	120.32
609	1-1/8	3/16	TC609	107.46	STC609	126.79
709	1-1/8	7/32	TC709	107.46	STC709	126.79
809	1-1/8	1/4	TC809	107.46	STC809	126.79
1009	1-1/8	5/16	TC1009	107.46	STC1009	126.79
610	1-1/4	3/16	TC610	112.82	STC610	132.64
710	1-1/4	7/32	TC710	112.82	STC710	132.64
810	1-1/4	1/4	TC810	112.82	STC810	132.64
1010	1-1/4	5/16	TC1010	112.82	STC1010	132.64
1210	1-1/4	3/8	TC1210	112.82	STC1210	132.64
811	1-3/8	1/4	TC811	118.51	STC811	146.34
1011	1-3/8	5/16	TC1011	118.51	STC1011	146.34
1211	1-3/8	3/8	TC1211	118.51	STC1211	146.34
812	1-1/2	1/4	TC812	124.45	STC812	146.34
1012	1-1/2	5/16	TC1012	124.45	STC1012	146.34
1212	1-1/2	3/8	TC1212	124.45	STC1212	146.34

TiN coating Price On Application



# Woodruff Keyseat Cutters – Narrow Width

CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS



## 1/2" Shank - Right Hand Cut

Made from high speed steel – straight tooth.  
One piece construction. Specials quoted on request.

Catalog No.	Diam. x Width	Price	w/TiN	Catalog No.	Diam. x Width	Price	w/TiN	Catalog No.	Diam. x Width	Price	w/TiN
NWKY25-164	1/4 x 1/64	26.00	37.64	NWKY87-564	7/8 x 5/64	27.57	40.56	NWKY12-764	1-1/4 x 7/64	40.25	52.53
NWKY25-132	1/4 x 1/32	26.00	37.64	NWKY87-332	7/8 x 3/32	27.57	40.56	NWKY12-18	1-1/4 x 1/8	40.25	52.53
NWKY25-364	1/4 x 3/64	26.00	37.64	NWKY87-764	7/8 x 7/64	27.57	40.56	NWKY12-964	1-1/4 x 9/64	40.25	52.53
NWKY31-164	5/16 x 1/64	26.00	37.64	NWKY87-18	7/8 x 1/8	27.57	40.56	NWKY12-532	1-1/4 x 5/32	40.25	52.53
NWKY31-132	5/16 x 1/32	26.00	37.64	NWKY87-964	7/8 x 9/64	27.57	40.56	NWKY12-1164	1-1/4 x 11/64	40.25	52.53
NWKY31-364	5/16 x 3/64	26.00	37.64	NWKY1-364	1 x 3/64	28.12	41.79	NWKY12-316	1-1/4 x 3/16	40.25	52.53
NWKY37-164	3/8 x 1/64	26.00	37.64	NWKY1-116	1 x 1/16	28.12	41.79	NWKY12-732	1-1/4 x 7/32	40.25	52.53
NWKY37-132	3/8 x 1/32	26.00	37.64	NWKY1-564	1 x 5/64	28.12	41.79	NWKY137-116	1-3/8 x 1/16	44.34	58.38
NWKY37-364	3/8 x 3/64	26.00	37.64	NWKY1-332	1 x 3/32	28.12	41.79	NWKY137-564	1-3/8 x 5/64	44.34	58.38
NWKY50-164	1/2 x 1/64	26.00	37.64	NWKY1-764	1 x 7/64	28.12	41.79	NWKY137-332	1-3/8 x 3/32	44.34	58.38
NWKY50-020	1/2 x .020	26.00	37.64	NWKY1-18	1 x 1/8	28.12	41.79	NWKY137-764	1-3/8 x 7/64	44.34	58.38
NWKY50-132	1/2 x 1/32	26.00	37.64	NWKY1-964	1 x 9/64	28.12	41.79	NWKY137-18	1-3/8 x 1/8	44.34	58.38
NWKY50-364	1/2 x 3/64	26.00	37.64	NWKY1-532	1 x 5/32	28.12	41.79	NWKY137-964	1-3/8 x 9/64	44.34	58.38
NWKY62-164	5/8 x 1/64	26.00	37.64	NWKY1-1164	1 x 11/64	28.12	41.79	NWKY137-532	1-3/8 x 5/32	44.34	58.38
NWKY62-020	5/8 x .020	26.00	37.64	NWKY11-364	1-1/8 x 3/64	32.79	45.17	NWKY137-1164	1-3/8 x 11/64	44.34	58.38
NWKY62-132	5/8 x 1/32	26.00	37.64	NWKY11-116	1-1/8 x 1/16	32.79	45.17	NWKY137-316	1-3/8 x 3/16	44.34	58.38
NWKY62-364	5/8 x 3/64	26.00	37.64	NWKY11-564	1-1/8 x 5/64	32.79	45.17	NWKY137-732	1-3/8 x 7/32	44.34	58.38
NWKY62-116	5/8 x 1/16	26.00	37.64	NWKY11-332	1-1/8 x 3/32	32.79	45.17	NWKY15-116	1-1/2 x 1/16	51.59	66.64
NWKY62-564	5/8 x 5/64	26.00	37.64	NWKY11-764	1-1/8 x 7/64	32.79	45.17	NWKY15-564	1-1/2 x 5/64	51.59	66.64
NWKY75-132	3/4 x 1/32	27.57	39.53	NWKY11-18	1-1/8 x 1/8	32.79	45.17	NWKY15-332	1-1/2 x 3/32	51.59	66.64
NWKY75-364	3/4 x 3/64	27.57	39.53	NWKY11-964	1-1/8 x 9/64	32.79	45.17	NWKY15-764	1-1/2 x 7/64	51.59	66.64
NWKY75-116	3/4 x 1/16	27.57	39.53	NWKY11-532	1-1/8 x 5/32	32.79	45.17	NWKY15-18	1-1/2 x 1/8	51.59	66.64
NWKY75-564	3/4 x 5/64	27.57	39.53	NWKY11-1164	1-1/8 x 11/64	32.79	45.17	NWKY15-964	1-1/2 x 9/64	51.59	66.64
NWKY75-332	3/4 x 3/32	27.57	39.53	NWKY12-364	1-1/4 x 3/64	40.25	52.53	NWKY15-532	1-1/2 x 5/32	51.59	66.64
NWKY75-764	3/4 x 7/64	22.30	39.53	NWKY12-116	1-1/4 x 1/16	40.25	52.53	NWKY15-1164	1-1/2 x 11/64	51.59	66.64
NWKY87-364	7/8 x 3/64	27.57	39.53	NWKY12-564	1-1/4 x 5/64	40.25	52.53	NWKY15-316	1-1/2 x 3/16	51.59	66.64
NWKY87-116	7/8 x 1/16	27.57	39.53	NWKY12-332	1-1/4 x 3/32	40.25	52.53	NWKY15-732	1-1/2 x 7/32	51.59	66.64

TiN coating Price On Application

# Woodruff Keyseat Cutters



## 10 Piece Set Includes:

- 1 - #204    1 - #606
- 1 - #304    1 - #806
- 1 - #305    1 - #608
- 1 - #605    1 - #404
- 1 - #406    1 - #405



Available in 41 and 10 piece sets.

Catalog No.	41 Piece Set	List Price
KY set	STR.T.HSS - full set	870.83
STKY set	STG.T.HSS - full set	1060.14
CKY set	STR.T.Cobalt - full set	1135.87
CSTKY set	STG.T.Cobalt - full set	1500.20

Catalog No.	10 Piece Set	List Price
KY - 10 pack	STR.T.HSS - 10 pc set	171.15
STKY - 10 pack	STG.T.HSS - 10 pc set	207.49
CKY - 10 pack	STR.T.Cobalt - 10 pc set	242.32
CSTKY - 10 pack	STG.T.Cobalt - 10 pc set	297.60

## Arbor Type

All staggered tooth cutters with the same amount of teeth can be interlocked by grinding hubs.

These cutters are 1/32" larger in diameter than the normal size to allow for resharping.

Catalog No.	Old Std.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
K100	26	2-1/8	3/16	3/4	14	57.72	71.26
K102	27	2-1/8	1/4	3/4	14	60.27	73.82
K104	28	2-1/8	5/16	3/4	14	63.45	81.24
K106	29	2-1/8	3/8	3/4	14	66.18	83.96
K108	R	2-3/4	1/4	1	18	73.45	87.00
K110	S	2-3/4	5/16	1	18	81.94	99.72
K112	T	2-3/4	3/8	1	18	81.94	99.72
K114	U	2-3/4	7/16	1	18	84.66	107.04
K116	V	2-3/4	1/2	1	18	88.30	110.67
K118	30	3-1/2	3/8	1	18	105.56	123.34
K120	31	3-1/2	7/16	1	18	111.92	134.30
K122	32	3-1/2	1/2	1	18	113.58	135.95
K124	33	3-1/2	9/16	1	18	125.25	156.57
K126	34	3-1/2	5/8	1	18	125.25	156.57
K128	35	3-1/2	11/16	1	18	137.66	169.00
K130	36	3-1/2	3/4	1	18	137.66	169.00



# Plain Milling Cutters

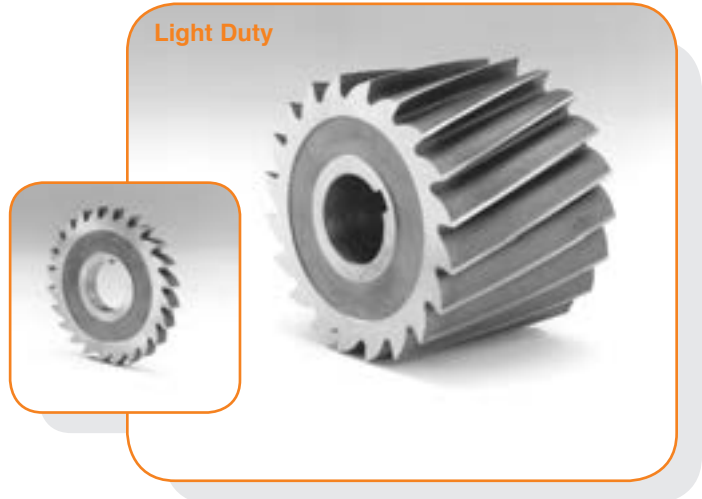
CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS

## Light Duty

Used for light milling or finish cuts.  
Cutters less than 3/4" width have straight teeth.  
Cutters 3/4" wide and over have spiral teeth.  
Cutters come with Left Hand spiral, Right Hand cut.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
PL2510	2-1/2	3/16	1	18	29.69	43.24
PL2520	2-1/2	1/4	1	18	35.29	48.84
PL2530	2-1/2	5/16	1	18	36.95	54.73
PL2540	2-1/2	3/8	1	18	40.89	58.67
PL2550	2-1/2	7/16	1	18	41.81	64.17
PL2560	2-1/2	1/2	1	18	45.74	68.10
PL2570	2-1/2	5/8	1	18	50.58	81.92
PL2585	2-1/2	3/4	1	14	55.44	86.76
PL2595	2-1/2	1	1	14	67.39	107.88
PL25105	2-1/2	1-1/2	1	14	86.63	145.52
PL25115	2-1/2	2	1	14	104.35	181.17
PL25125	2-1/2	2-1/2	1	14	126.76	221.68
PL25135	2-1/2	3	1	14	136.46	249.72
PL305	3	3/16	1	18	36.50	50.05
PL315	3	1/4	1	18	44.52	58.06
PL325	3	5/16	1	18	49.82	67.61
PL335	3	3/8	1	18	54.23	71.99
PL345	3	7/16	1	18	55.73	78.12
PL355	3	1/2	1	18	57.40	79.78
PL365	3	5/8	1	18	64.21	95.54
PL375	3	3/4	1-1/4	16	67.99	99.33
PL385	3	7/8	1-1/4	16	78.59	119.09
PL395	3	1	1-1/4	16	89.51	129.99
PL3100	3	1-1/4	1-1/4	16	99.49	149.07
PL3110	3	1-1/2	1-1/4	16	109.20	168.09
PL3120	3	2	1-1/4	16	137.21	214.03
PL3130	3	2-1/2	1-1/4	16	184.60	279.55
PL3140	3	3	1-1/4	16	192.64	305.90
PL410	4	1/4	1	24	68.30	83.55
PL420	4	5/16	1	24	71.47	92.02
PL430	4	3/8	1	24	74.67	95.19
PL440	4	1/2	1-1/4	24	90.71	115.99
PL450	4	5/8	1-1/4	24	97.08	131.40
PL455	4	3/4	1-1/4	20	106.77	141.10
PL460	4	1	1-1/4	20	130.09	174.15
PL465	4	1-1/2	1-1/4	20	166.89	229.62
PL470	4	2	1-1/4	20	203.85	285.43
PL475	4	3	1-1/4	20	301.84	420.77
PL480	4	4	1-1/4	20	401.34	564.63

Light Duty



Heavy Duty



## Heavy Duty

Heavy Duty Plain Milling Cutters 45°, Left Hand spiral - Right Hand cut.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
PH2501	2-1/2	2	1	8	112.37	189.21
PH2506	2-1/2	4	1	8	192.64	341.09
PH3010	3	1-1/4	1-1/4	8	136.31	185.88
PH3015	3	1-1/2	1-1/4	8	136.31	195.20
PH3020	3	2	1-1/4	8	144.48	221.30
PH3030	3	2-1/2	1-1/4	8	178.25	273.19
PH3040	3	3	1-1/4	8	198.24	311.52
PH3050	3	4	1-1/4	8	256.87	405.30
PH3060	3	6	1-1/4	8	POA	POA
PH4010	4	2	1-1/2	10	216.72	298.30
PH4020	4	3	1-1/2	10	317.89	436.83
PH4030	4	4	1-1/2	10	457.53	620.82
PH4040	4	6	1-1/2	10	POA	POA

# Half Side Milling Cutters



## Right Hand Milling Cutters

Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
HSM4750-RH	4	3/4	1-1/4	16	121.15	155.49
HSM5750-RH	5	3/4	1-1/4	18	160.53	211.56
HSM6750-RH	6	3/4	1-1/4	20	208.70	259.72
HSM6100-RH	6	1	1-1/2	20	256.87	318.99

## Left Hand Milling Cutters

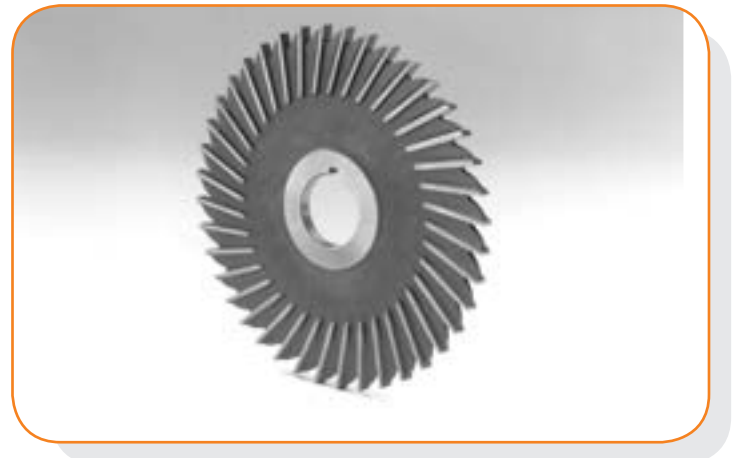
Catalog No.	Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
HSM4750-LH	4	3/4	1-1/4	16	121.15	155.49
HSM5750-LH	5	3/4	1-1/4	18	160.53	211.56
HSM6750-LH	6	3/4	1-1/4	20	208.70	259.72
HSM6100-LH	6	1	1-1/2	20	256.87	318.99



# Metal Slitting Saws – Straight Tooth

For Cobalt Saws, see page 32.  
Saws with Full Radius, see page 21.

**CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS**



## Straight Tooth - With Side Teeth

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
SS2562	2-1/2	1/16	7/8	28	47.40	59.09
SS2593	2-1/2	3/32	7/8	28	47.40	59.09
SS25125	2-1/2	1/8	7/8	28	47.40	59.09
SS362	3	1/16	1	32	55.73	67.41
SS378	3	5/64	1	32	77.17	88.85
SS393	3	3/32	1	32	55.73	67.41
SS3109	3	7/64	1	32	78.00	89.68
SS3125	3	1/8	1	32	55.73	67.41
SS3140	3	9/64	1	32	79.51	93.04
SS3156	3	5/32	1	32	55.73	69.28
SS3171	3	11/64	1	32	86.26	99.79
SS3187	3	3/16	1	32	84.36	97.89
SS3218	3	7/32	1	32	81.14	95.33
SS3250	3	1/4	1	32	83.45	96.99
SS462	4	1/16	1	36	88.70	103.05
SS462-1	4	1/16	1-1/4	36	96.34	110.39
SS478	4	5/64	1	36	99.79	113.88
SS478-1	4	5/64	1-1/4	36	99.79	113.88
SS493	4	3/32	1	36	73.92	87.97
SS493-1	4	3/32	1-1/4	36	96.34	110.39
SS4109	4	7/64	1	36	106.01	120.07
SS4109-1	4	7/64	1-1/4	36	106.01	120.07
SS4125	4	1/8	1	36	74.67	88.73
SS4125-1	4	1/8	1-1/4	36	96.34	110.39
SS4140	4	9/64	1	36	108.36	123.62
SS4140-1	4	9/64	1-1/4	36	108.36	123.62
SS4156	4	5/32	1	36	77.09	92.34
SS4156-1	4	5/32	1-1/4	36	104.35	119.60
SS4171	4	11/64	1	36	111.24	126.49
SS4171-1	4	11/64	1-1/4	36	111.24	126.49
SS4187	4	3/16	1	36	79.80	95.07
SS4187-1	4	3/16	1-1/4	36	104.35	119.60
SS4218	4	7/32	1	36	110.71	125.96
SS4218-1	4	7/32	1-1/4	36	110.71	125.96
SS4250	4	1/4	1	36	114.04	129.29
SS4250-1	4	1/4	1-1/4	36	114.04	129.29
SS562	5	1/16	1	40	93.14	140.75
SS562-1	5	1/16	1-1/4	40	115.10	118.79
SS593	5	3/32	1	40	96.34	121.95

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
SS593-1	5	3/32	1-1/4	40	128.43	154.08
SS5109	5	7/64	1	40	127.74	153.39
SS5109-1	5	7/64	1-1/4	40	127.74	153.39
SS5125	5	1/8	1	40	99.49	125.14
SS5125-1	5	1/8	1-1/4	40	99.49	125.14
SS5140	5	9/64	1	40	130.78	157.98
SS5140-1	5	9/64	1-1/4	40	130.78	157.98
SS5156	5	5/32	1	40	102.69	129.89
SS5156-1	5	5/32	1-1/4	40	138.11	165.33
SS5171	5	11/64	1	40	144.26	171.45
SS5171-1	5	11/64	1-1/4	40	144.26	171.45
SS5187	5	3/16	1	40	104.35	131.54
SS5187-1	5	3/16	1-1/4	40	138.11	165.33
SS5218	5	7/32	1	40	141.31	168.51
SS5218-1	5	7/32	1-1/4	40	141.31	168.51
SS5250	5	1/4	1	40	147.67	174.86
SS5250-1	5	1/4	1-1/4	40	147.67	174.86
SS693	6	3/32	1	48	122.07	147.70
SS693-1	6	3/32	1-1/4	48	186.29	211.93
SS6109	6	7/64	1	48	177.96	203.59
SS6109-1	6	7/64	1-1/4	48	177.96	203.59
SS6125	6	1/8	1	48	125.25	150.90
SS6125-1	6	1/8	1-1/4	48	125.25	150.90
SS6140	6	9/64	1	48	194.24	221.43
SS6140-1	6	9/64	1-1/4	48	194.24	221.43
SS6156	6	5/32	1	48	184.60	211.82
SS6156-1	6	5/32	1-1/4	48	184.60	211.82
SS6171	6	11/64	1	48	197.56	224.78
SS6171-1	6	11/64	1-1/4	48	197.56	224.78
SS6187	6	3/16	1	48	138.11	165.33
SS6187-1	6	3/16	1-1/4	48	138.11	165.33
SS6218	6	7/32	1	48	184.60	211.82
SS6218-1	6	7/32	1-1/4	48	184.60	211.82
SS6250	6	1/4	1	48	186.29	213.48
SS6250-1	6	1/4	1-1/4	48	186.29	213.48
SS6375	6	3/8	1	48	208.70	241.90
SS6375-1	6	3/8	1-1/4	48	208.70	241.90
SS8125-1	8	1/8	1-1/4	42	250.50	289.46
SS8187-1	8	3/16	1-1/4	42	264.88	307.16
SS8250-1	8	1/4	1-1/4	42	345.15	387.42

# Metal Slitting Saws – Staggered Tooth

For Cobalt Saws, see page 32.



## Staggered Tooth

The staggered tooth metal slitting saws have side chip clearance and peripheral teeth which provide an alternative shearing action. This allows for faster chip removal and deeper cuts when a heavy feed is necessary.

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
STS362	3	1/16	1	28	100.42	112.10
STS378	3	5/64	1	28	103.58	115.29
STS393	3	3/32	1	28	82.70	94.38
STS3109	3	7/64	1	28	99.49	111.19
STS3125	3	1/8	1	28	83.45	95.15
STS3140	3	9/64	1	28	101.87	115.41
STS3156	3	5/32	1	28	84.66	98.20
STS3171	3	11/64	1	28	91.63	105.17
STS3187	3	3/16	1	28	62.25	75.79
STS3218	3	7/32	1	28	91.16	104.72
STS3250	3	1/4	1	28	92.31	105.86
STS462	4	1/16	1	32	125.25	139.32
STS478	4	5/64	1	32	128.43	142.48
STS493	4	3/32	1	32	106.01	120.07
STS4109	4	7/64	1	32	126.53	140.61
STS4125	4	1/8	1	32	105.56	119.62
STS4140	4	9/64	1	32	129.95	145.20
STS4156	4	5/32	1	32	112.37	127.62
STS4171	4	11/64	1	32	131.76	147.02
STS4171-1	4	11/64	1-1/4	32	131.76	147.02
STS4187	4	3/16	1	32	84.66	99.91
STS4187-1	4	3/16	1-1/4	32	84.66	99.91
STS4218	4	7/32	1	32	131.61	146.86
STS593	5	3/32	1	36	163.73	189.36

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
STS5125	5	1/8	1	36	157.35	183.00
STS5125-1	5	1/8	1-1/4	36	157.35	183.00
STS5140	5	9/64	1	36	157.51	184.71
STS5156	5	5/32	1	36	163.73	190.91
STS5156-1	5	5/32	1-1/4	36	163.73	190.91
STS5171	5	11/64	1	36	178.72	205.91
STS5187	5	3/16	1	36	115.56	142.77
STS5187-1	5	3/16	1-1/4	36	130.25	157.45
STS5218	5	7/32	1	36	163.73	190.91
STS5250	5	1/4	1	36	116.46	143.66
STS6125	6	1/8	1	40	192.64	218.29
STS6125-1	6	1/8	1-1/4	40	192.64	218.29
STS6140	6	9/64	1	40	186.29	213.48
STS6156	6	5/32	1	40	211.87	239.08
STS6156-1	6	5/32	1-1/4	40	211.87	239.08
STS6171	6	11/64	1	40	201.43	228.63
STS6187	6	3/16	1	40	141.31	168.51
STS6187-1	6	3/16	1-1/4	40	141.31	168.51
STS6218	6	7/32	1	40	216.72	243.92
STS8125	8	1/8	1	48	354.39	393.36
STS8125-1	8	1/8	1-1/4	48	354.39	393.36
STS8187-1	8	3/16	1-1/4	48	280.94	323.20
STS8250-1	8	1/4	1-1/4	48	285.78	328.06

# Plain Metal Slitting Saws

## Concave Sides Without Side Teeth

These saws are made with a standard keyway and the sides are ground concave to a hub for clearance. It is recommended that these saws be revolved by a key extending into the collars on both sides.

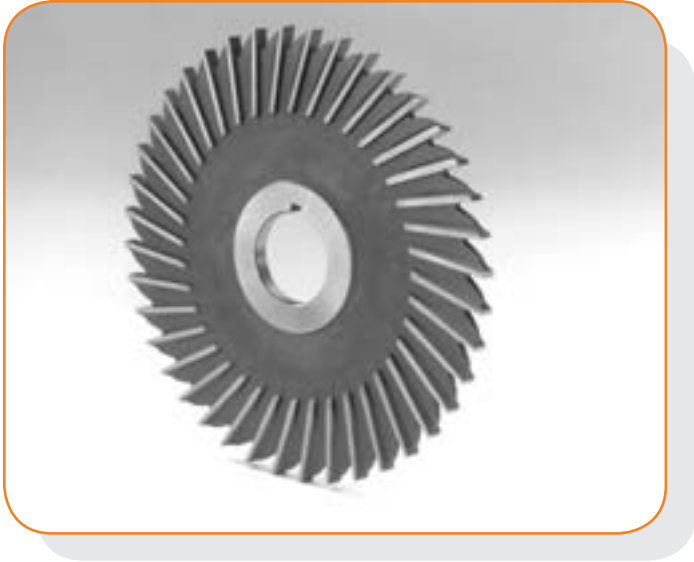


**CORNER RADIUS-ALTERED WIDTH  
ALL TOOLS IN THIS CATALOG  
CAN BE ALTERED AND SHIPPED  
IN LESS THAN 48 HOURS**

Catalog No.	Cutter Diam.	Width	Hole Size	No. of Teeth	List Price	w/TiN Coating
PS2531	2-1/2	1/32	7/8	28	24.83	36.54
PS2548	2-1/2	3/64	7/8	28	24.83	36.54
PS2562	2-1/2	1/16	7/8	28	24.83	36.54
PS2593	2-1/2	3/32	7/8	28	24.83	36.54
PS25125	2-1/2	1/8	7/8	28	26.96	38.64
PS331	3	1/32	1	32	28.18	39.86
PS348	3	3/64	1	32	28.18	39.86
PS362	3	1/16	1	32	29.69	41.37
PS378	3	5/64	1	32	39.68	51.36
PS393	3	3/32	1	32	29.69	41.37
PS3109	3	7/64	1	32	45.36	57.05
PS3125	3	1/8	1	32	29.69	41.37
PS3140	3	9/64	1	32	47.70	61.25
PS3156	3	5/32	1	32	29.69	43.24
PS3171	3	11/64	1	32	54.52	68.07
PS3187	3	3/16	1	32	52.25	65.79
PS431	4	1/32	1	36	36.19	50.26
PS446	4	3/64	1	36	36.19	50.26
PS462	4	1/16	1	36	36.19	50.26
PS478	4	5/64	1	36	63.60	77.67
PS493	4	3/32	1	36	40.73	54.81
PS493-1	4	3/32	1	36	47.87	54.81
PS4109	4	7/64	1	36	67.39	81.45
PS4125	4	1/8	1	36	39.68	53.75
PS4140	4	9/64	1	36	70.43	85.69
PS4156	4	5/32	1	36	46.95	62.21
PS4171	4	11/64	1	36	75.12	90.37
PS4187	4	3/16	1	36	47.70	62.96
PS562	5	1/16	1	40	48.92	74.56
PS578	5	5/64	1	40	89.58	115.23
PS593	5	3/32	1	40	52.84	78.49
PS5109	5	7/64	1	40	97.69	123.34
PS5125	5	1/8	1	40	62.01	87.66
PS5125-1	5	1/8	1-1/4	40	62.01	87.66
PS5140	5	9/64	1	40	102.55	129.55
PS5140-1	5	9/64	1-1/4	40	102.22	129.55
PS5156	5	5/32	1	40	65.09	92.30
PS5187	5	3/16	1	40	68.68	95.89
PS693	6	3/32	1	48	80.28	105.90
PS6125	6	1/8	1	48	83.45	109.08
PS6125-1	6	1/8	1-1/4	48	83.45	109.08
PS6187	6	3/16	1	48	93.14	120.34
PS6187-1	6	3/16	1-1/4	48	93.14	120.34
PS8125	8	1/8	1	48	151.75	190.71
PS8125-1	8	1/8	1-1/4	48	151.75	190.71

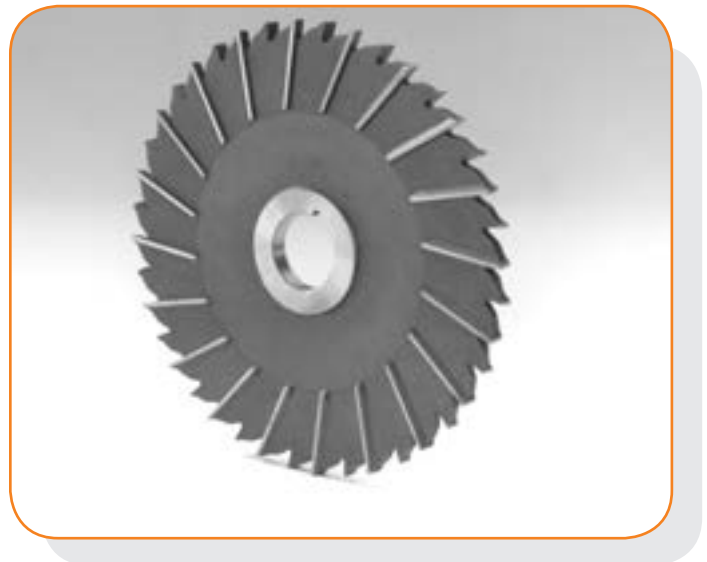
## Cobalt Slitting Saws – Straight Tooth

Catalog No.	Cutter Diam.	Width	Hole Size	List Price	w/TiN Coating
CSS362	3	1/16	1	95.02	106.70
CSS393	3	3/32	1	98.15	109.84
CSS3125	3	1/8	1	104.30	115.99
CSS3156	3	5/32	1	107.15	120.69
CSS3171	3	11/64	1	114.40	127.93
CSS3187	3	3/16	1	114.40	127.93
CSS3250	3	1/4	1	119.59	133.13
CSS462	4	1/16	1	154.11	168.17
CSS462-1	4	1/16	1-1/4	154.11	168.17
CSS493	4	3/32	1	156.15	170.58
CSS493-1	4	3/32	1-1/4	156.15	170.58
CSS4125	4	1/8	1	163.39	177.44
CSS4125-1	4	1/8	1-1/4	163.39	177.44
CSS4156	4	5/32	1	170.41	186.72
CSS4156-1	4	5/32	1-1/4	170.41	186.72
CSS4187	4	3/16	1	172.24	187.50
CSS4187-1	4	3/16	1-1/4	172.24	187.50
CSS4250	4	1/4	1	179.94	195.21
CSS4250-1	4	1/4	1-1/4	179.94	195.21
CSS6125-1	6	1/8	1-1/4	286.33	311.97
CSS6156-1	6	5/32	1-1/4	300.00	325.63
CSS6187-1	6	3/16	1-1/4	303.00	328.64
CSS6250-1	6	1/4	1-1/4	305.35	330.99



## Cobalt Slitting Saws – Staggered Tooth

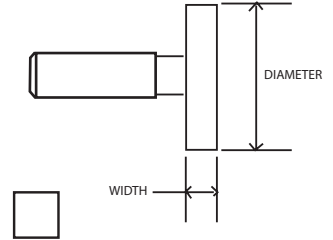
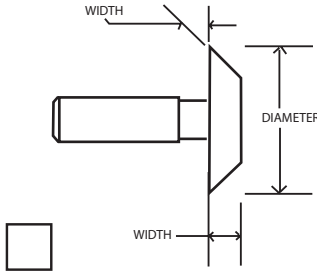
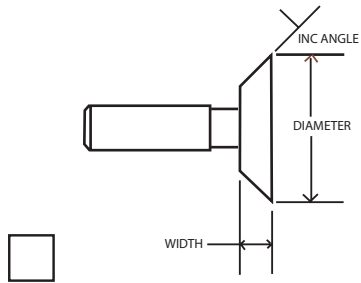
Catalog No.	Cutter Diam.	Width	Hole Size	List Price	w/TiN Coating
CSTS3125	3	1/8	1	124.28	135.95
CSTS3156	3	5/32	1	130.23	141.91
CSTS3187	3	3/16	1	133.69	145.37
CSTS3250	3	1/4	1	136.20	147.88
CSTS4125	4	1/8	1	166.37	180.39
CSTS4125-1	4	1/8	1-1/4	166.37	180.39
CSTS4156	4	5/32	1	178.19	193.46
CSTS4156-1	4	5/32	1-1/4	178.19	193.46
CSTS4187	4	3/16	1	182.89	198.16
CSTS4187-1	4	3/16	1-1/4	182.89	198.16
CSTS4250	4	1/4	1	190.61	205.88
CSTS4250-1	4	1/4	1-1/4	190.61	205.88
CSTS6125-1	6	1/8	1-1/4	294.69	324.06
CSTS6156-1	6	5/32	1-1/4	304.29	324.50
CSTS6187-1	6	3/16	1-1/4	309.19	335.89
CSTS6250-1	6	1/4	1-1/4	328.78	323.09





# SHANK TYPE SPECIALS

**PLEASE FILL OUT AND FAX TO 203-281-4197  
FOR A QUICK QUOTATION**



**DIMENSION:** Diameter \_\_\_\_\_  
 Width \_\_\_\_\_  
 Inc Angle \_\_\_\_\_  
 Shank Dia \_\_\_\_\_  
 Radius \_\_\_\_\_  
 Number of Teeth \_\_\_\_\_

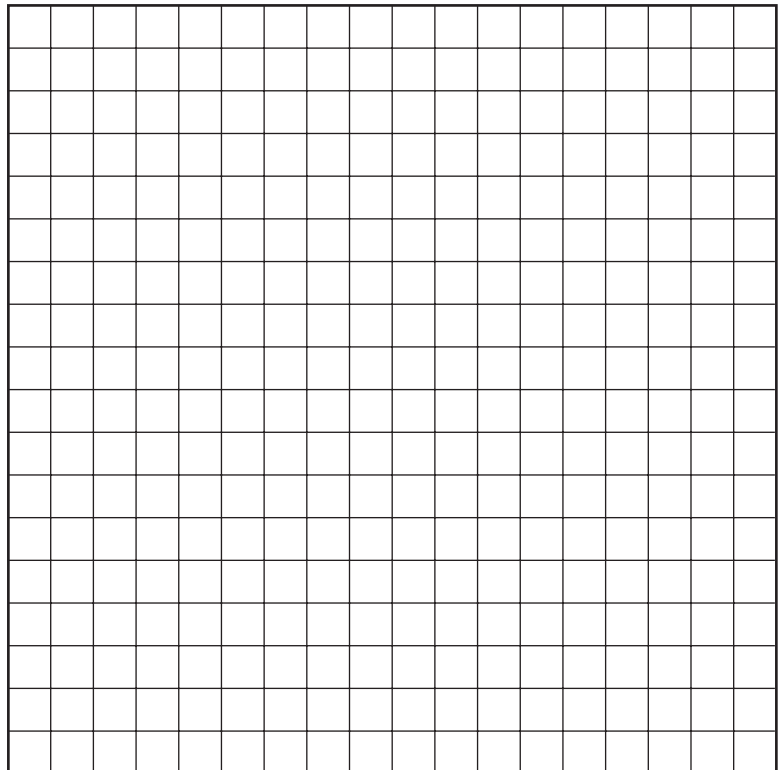
**MATERIAL :**  High Speed Steel  
 M-42 Cobalt  
 T-15 Cobalt  
 Carbide Tipped

**COATING :**  TiN  
 TiALN  
 TiCN  
 UnCoated

**QUANTITY :**  ONE  
 TWO  
 THREE  
 SIX  
 TWELVE  
 OTHER \_\_\_\_\_

**Tooth Style :**  Straight Tooth  
 Staggered Tooth  
 Right Hand  
 Left Hand  
**Side Teeth :**  With Side Teeth  
 Without Side Teeth

Use this grid to draft your cutter.  
Please provide any special features and dimensions.



**COMPANY NAME** \_\_\_\_\_ **PHONE** \_\_\_\_\_

**CONTACT NAME** \_\_\_\_\_ **FAX** \_\_\_\_\_



# FEEDS & SPEEDS

Feeds & speeds are a starting recommendation only. Factors such as machine, fixture and tooling rigidity, horsepower available, coolant application and others will affect the performance significantly. Please read machine operators instructions and use all safety shields and glasses before performing these operations.

MAT CLASS	MATERIAL	BRINELL	CARB SIDEMILLING		HSS SIDEMILLING		CARB KEYSEATING		HSS KEYSEATING	
			SFPM	IPT	SFPM	IPT	SFPM	IPT	SFPM	IPT
NON FERROUS SOFT	ALUMINUM ALLOY-WROUGHT	30/150	1000-2000	.004-.008	600-700	.002-.007	1200	.002-.006	600-700	.002-.007
	MAGNESIUM ALLOY	50/90	750-1500	.004-.008	400-500	.002-.007	1000	.002-.006	400-500	.002-.007
	NON METAL-PLASTIC	XXX	1500-3000	.004-.008	800-1000	.002-.007	1500	.002-.006	800-1000	.002-.007
	ZINC ALLOY-CAST	80/100	750-15000	.004-.008	400-500	.002-.007	750-1000	.002-.006	400-500	.002-.007
NON FERROUS HARD	ALUMINUM BRONZE	40/175	200-600	.005-.010	100-300	.002-.007	200-600	.002-.006	100-300	.002-.007
	BRASS ALLOY FREE CUTTING - LEADED	10/100	400-800	.003-.006	175-400	.002-.007	400-550	.002-.006	175-400	.002-.007
	NICKEL SILVER	10/100	200-400	.004-.008	70-150	.002-.007	200-400	.002-.006	70-150	.002-.007
	COPPER ALLOY TOUGH	40/200	200-500	.003-.006	80-175	.002-.007	200-500	.002-.006	80-175	.002-.007
CAST IRONS	DUCTILE CAST IRON-AUSTENITIC	120/275	75-150	.004-.008	40-60	.001-.005	75-150	.002-.006	40-60	.001-.005
	DUCTILE CAST IRON-FERRITIC	140/270	250-400	.002-.004	40-60	.001-.005	200-400	.002-.006	40-60	.001-.005
	DUCTILE CAST IRON-MARTENSITIC	270/440	250-300	.003-.006	40-60	.001-.005	150-350	.002-.006	40-60	.001-.005
	GREY-PEARLITIC	220/320	120-300	.002-.004	40-60	.001-.005	150-300	.002-.006	40-60	.001-.005
	GRAY-FERRITIC	110/240	250-425	.003-.006	40-60	.001-.005	220-410	.002-.006	40-60	.001-.005
	MALLEABLE CAST IRON-MARTENSIC	200/320	130-225	.002-.004	100-130	.001-.005	130-300	.002-.006	100-130	.001-.005
LOW CARBON STEELS	LOW AND MEDIUM CARBON-FREE MACH	100/250	250-500	.003-.006	50-70	.001-.005	200-500	.001-.005	50-70	.001-.005
	LOW AND MEDIUM CARBON-WROUGHT	100/375	200-400	.002-.004	30-40	.001-.005	200-400	.001-.005	30-40	.001-.005
MEDIUM STRENGTH STEEL	LOW AND MEDIUM CARBON ALLOY-FREE	100/275	200-400	.002-.004	15-45	.001-.005	200-400	.001-.005	15-45	.001-.005
	LOW AND MEDIUM CARBON ALLOY-STEEL	85/375	150-300	.002-.004	30-35	.001-.005	130-330	.001-.005	30-35	.001-.005
	STAINLESS 400	135/325	200-400	.002-.004	15-45	.0005-.002	135-375	.001-.005	15-45	.0005-.002
	STAINLESS 400-FREE MACHINING	135/275	250-500	.003-.006	15-45	.0005-.002	250-500	.001-.005	15-45	.0005-.002
HIGH STRENGTH	HIGH STRENGTH STEEL-WROUGHT-TOOL	175/400	75-150	.003-.006	10-15	.0005-.002	75-200	.001-.004	10-15	.0005-.002
HIGH TEMP ALLOYS	HIGH TEMP NICKEL/IRON BASE ALLOY	140/300	50-150	.002-.004	5-20	.0005-.002	50-150	.001-.004	5-20	.0005-.002
	STAINLESS STEEL-300 SERIES	135/375	75-150	.002-.004	15-25	.0005-.002	75-175	.001-.004	15-25	.0005-.002
	STAINLESS-PH SERIES	150/440	75-150	.002-.004	15-25	.0005-.002	75-175	.001-.004	15-25	.0005-.002
	TITANIUM ALLOY	110/380	100-200	.002-.004	15-25	.0005-.002	75-200	.001-.004	15-25	.0005-.002

**RPM = SFPM X 3.82 / CUTTER DIAMETER**

**IPM = IPT X RPM X # TEETH**

**IPT = INCHES PER TOOTH**

**IPM = INCHES PER MINUTE**

**RPM = REVOLUTION PER MINUTE**

**SFPM = SURFACE FEET PER MINUTE**

**CUTTER DIAMETER = DIAMETER OF CUTTER IN INCHES**

# Take advantage of Just-In-Time Tooling

There's no reason for you to order special cutters long in advance of your actual need for them, not when you have Moon Cutter to lean on.

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Fax: 203-281-4197**

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Huntington Beach, California  
92649**

**Toll Free: 1-888-299-8665  
Telephone: 714-901-8589  
Fax: 714-901-8579**



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