

WKE45 SUPER COBALT HSS TOOL BITS

RECTANGULAR		
B A Size	L Overall Length	Net Price Each
1/8x5/8"	□ 6"	41.22
3/16x5/16	□ 4	29.84
1/4x3/8	□ 2□	21.44
1/4x3/8	□ 4	25.53
1/4x1/2	□ 3	23.59
1/4x1/2	□ 4	27.47
1/4x1/2	□ 6	41.99
1/4x3/4	□ 5	45.50
1/4x3/4	□ 6	50.91
1/4x1	6	84.06
5/16x7/16	□ 4	39.57
5/16x1/2	□ 3	29.38
5/16x1/2	□ 6	58.30
5/16x3/4	5*	103.99
5/16x1	□ 6*	104.60
3/8x1/2	□ 3	35.55
3/8x1/2	□ 4	45.25
3/8x1/2	□ 6	54.56
3/8x5/8	□ 4	50.14
3/8x5/8	□ 5	57.53
3/8x5/8	□ 6	56.72
3/8x3/4	□ 4	50.75
3/8x3/4	□ 5	59.61
3/8x3/4	□ 6	66.17
3/8x1	6	124.41
1/2x3/4	□ 4	57.44
1/2x3/4	□ 5	62.94
1/2x3/4	□ 6	77.91
1/2x1	7	120.25
1/2x1□	□ 7	209.12
1/2x1□	□ 7	255.25
5/8x3/4	□ 5	111.19
5/8x7/8	□ 6	206.56
5/8x1	7	206.03
5/8x1□	□ 7	250.68
3/4x1	6	204.07
3/4x1□	□ 6	246.53

METRIC RECTANGULAR		
B A Size	L Overall Length	Net Price Each
3x12mm	90mm	21.50
3x12	200	44.44
4x10	100	26.39
4x10	120*	□
4x16	160	51.57
4x16	200*	54.47
4x20	200*	56.99
5x20	200*	72.56
6x8	70	21.61
6x10	200	57.37
6x12	200	66.73
6x14	140	47.33
6x14	200*	□
6x20	200*	89.09
8x12	160	58.57
8x12	200	70.98
8x16	140	64.70
8x16	160*	□
8x16	200*	82.33
8x20	200*	119.65
10x12	200	82.13
10x14	□ 80	41.69
10x14	200*	□
10x16	160	79.58
10x16	200	100.51
10x20	160	95.82
10x20	200	114.11
10x40	200*	221.47
12x16	200	106.74
12x25	200*	124.88
12x30	200*	162.65
14x20	200*	136.91
16x20	200	163.98
20x25	200*	252.03

SQUARE		
Size Square	L Overall Length	Net Price Each
3/16"	□ 2□	10.20
3/16	4	16.99
1/4	2□	11.36
1/4	4	19.11
1/4	6*	27.52
1/4	8*	34.83
5/16	2□	13.69
5/16	3	16.06
5/16	4	21.44
5/16	6	33.17
5/16	8	58.10
3/8	3	18.78
3/8	4	24.85
3/8	6	38.55
3/8	8	63.49
7/16	3□	69.89
1/2	4	33.92
1/2	6	53.16
5/8	4□	60.36
5/8	6	106.68
3/4	5	86.64
3/4	6	102.13
1	5□	217.45
1	8	309.88

METRIC SQUARE		
Size Square	L Overall Length	Net Price Each
4mm	63mm	11.24
4	100	18.03
5	63	10.42
5	160	27.78
6	63	14.01
6	100	21.50
6	160	30.96
6	200	37.16
7	200	39.71
8	63	18.42
8	100	28.57
8	160	38.90
8	200	44.67
10	125	43.30
10	160	43.90
10	200	54.05
12	100	44.91
12	160	50.64
12	200	60.43
14	100	61.25
14	160	90.74
14	200*	95.34
16	100*	79.81
16	160	114.75
16	200*	134.85
18	200*	175.88
20	160*	177.96
20	200	213.71
25	200*	305.71



*** AVAILABLE UNTIL STOCK IS EXHAUSTED**

All Toolbits can be custom ground to meet your requirements

WKE45 TYPICAL ANALYSIS					
C	Cr	Mo	W	V	Co
1.40	4.2	3.5	9.0	3.5	11.0

SEE PAGE 13 FOR WKE45 ROUND BLANKS

WILLIAM T. HUTCHINSON CO.

TOLL FREE 1-800-544-7934 • 453 LEHIGH AVENUE • UNION, NEW JERSEY 07083-7926

SQUARE & FLAT FORM TOOL BITS

**Square - Ground
High Speed Tool Bits**

**Tolerance on Width and
Thickness ±.002**

Ends Beveled 10°



SIZE	M2 R/C 64.5-66	M3 * R/C 65-66.5	M42 R/C 67-69	M34 R/C 65-67	T15PM R/C 65-67	PM M-48 R/C 65-67
1/8 sq. x 2 1/2"	<p>Call for Current Pricing</p>					
3/16 sq. x 2 1/2"						
1/4 sq. x 2 1/2"						
5/16 sq. x 2 1/2"						
3/8 sq. x 3"						
7/16 sq. x 3 1/2"						
1/2 sq. x 4"						
5/8 sq. x 4 1/2"						
3/4 sq. x 5"						
7/8 sq. x 6" *						
1 sq. x 7"						

SIZE	M2 R/C 64.5-66	M3* R/C 65-66.5	M42 R/C 67-69	M34* R/C 65-67	T15PM R/C 65-67
1/4" x 3/8" x 2-1/2"	<p>Call for Current Pricing</p>				
x 3/8" x 3"					
x 1/2" x 3"					
x 1/2" x 4"					
x 1/2" x 6"					
x 3/4" x 5"					
x 1" x 6"					
5/16" x 7/16" x 3"					
x 7/16" x 3-1/2"					
x 1/2" x 3"					
x 5/8" x 4"					
3/8" x 1/2" x 3"					
x 1/2" x 4"					
x 1/2" x 6"					
x 5/8" x 4"					
x 5/8" x 4-1/2"					
x 5/8" x 5"					
x 5/8" x 6"					
x 3/4" x 4"					
x 3/4" x 5"					
x 3/4" x 6"					
x 1" x 6"					
1/2" x 5/8" x 4-1/2"					
x 3/4" x 4"					
x 3/4" x 5"					
x 3/4" x 6"					
x 1" x 7"					
x 1" x 8"					
5/8" x 3/4" x 5"					
x 7/8" x 6"					
x 1" x 7"					
x 1-1/4" x 7"					
x 1-1/2" x 7"					

*** AVAILABLE UNTIL
STOCK IS EXHAUSTED**

**Flat Form - Ground
High Speed Tool Bits**

**Tolerance on Width and
Thickness ±.002
Square Ends**

**Additional Sizes and Materials
Available — Call for Price
and Delivery**

**All Toolbits can be custom
ground to meet your
requirements**

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SQUARE & FLAT FORM TOOL BITS

SIZE	M2 R/C 64.5-66	M3* R/C 65-66.5	M42 R/C 67-69	T15 R/C 65-67
3/4" x 1" x 6" x 1" x 7" x 1-1/4" x 7" x 1-1/2" x 7" 7/8" x 1-1/8" x 7" x 1-1/4" x 7" 1" x 1-1/4" x 6"	Call for Current Pricing			

**Flat Form - Ground
High Speed Tool Bits**
**Tolerance on Width and
Thickness ±.002**
Square Ends

*** AVAILABLE UNTIL
STOCK IS EXHAUSTED**

**Thin Flat Form - Ground
High Speed Tool Bits**
**Tolerance on Width and
Thickness +.002
-.000**
Square Ends

**T15 & T15PM
Long High Speed Tool Bits**
R/C 65-67

SIZE	T15PM
3/16 x sq. x 6" 1/4 x sq. x 6" 1/4 x sq. x 8" 5/16 x sq. x 6" 3/8 x sq. x 6" 3/8 x sq. x 8" 7/16 x sq. x 6" 1/2 x sq. x 6" 1/2 x sq. x 8" 5/8 x sq. x 6" 5/8 x sq. x 8"	Call for Current Pricing

**Tolerance on Width
and Thickness ±.002**
Ends Beveled 10°

SIZE	M2 R/C 62-64	M42 R/C 66-68	T15PM R/C 65-67
1/16" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6" 3/32" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6" 1/8" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6" 5/32" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6" 3/16" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6" 1/4" x 1/2" x 6" x 5/8" x 6" x 3/4" x 6" x 7/8" x 6" x 1" x 6"	Call for Current Pricing		

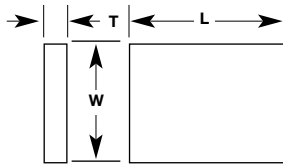
**Typical Analysis of High Speed Steel
Tool Bit Materials**

	C	Cr	Mo	W	V	Co
M2	.85	4.15	5.00	6.30	1.85	□
M3	1.20	4.10	5.00	6.00	3.00	□
M42	1.10	3.75	9.50	1.50	1.15	8.25
T15 & T15PM	1.57	4.00	□	12.25	5.00	5.00
M34	.90	3.75	8.00	1.50	2.05	8.25

WILLIAM T. HUTCHINSON CO.

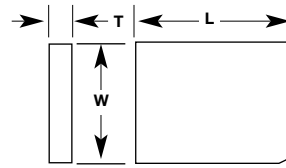
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CARBIDE BLANKS STYLE 1000 & 2000



Style 1000

C-2 GRADE
PREMIUM MEDIUM
GRAIN CARBIDE
WITH 6-8% COBALT



Style 2000

Dimensions				Blank Number	Price	Blank Number	Price
T	W	L	R	STYLE 1000	1 - 249 pcs.	STYLE 2000	1 - 249 pcs.
1/16	1/8	5/8	1/8	1010	1.11	2010	1.11
1/16	3/16	1/4	1/8	1020	1.10	2020	1.10
1/16	1/4	5/16	1/8	1030	1.11	2030	1.11
3/32	3/16	5/16	1/8	1040	1.03	2040	1.03
3/32	3/16	1/2	1/8	1050	1.60	2050	1.60
3/32	1/4	3/8	1/8	1060	1.50	2060	1.50
3/32	1/4	1/2	1/8	1070	1.73	2070	1.73
3/32	5/16	3/8	3/16	1080	1.63	2080	1.54
3/32	3/8	3/8	3/16	1090	1.81	2090	1.63
3/32	3/8	1/2	3/16	1100	2.00	2100	2.07
3/32	7/16	1/2	1/4	1105	2.39	2105	2.39
1/8	3/16	3/4	1/8	1110	2.07	2110	2.00
1/8	1/4	1/2	1/8	1120	1.61	2120	1.77
1/8	1/4	5/8	1/8	1130	2.03	2130	2.23
1/8	1/4	3/4	1/8	1140	2.69	2140	2.69
1/8	5/16	7/16	3/16	1150	1.76	2150	1.63
1/8	5/16	1/2	3/16	1160	2.03	2160	2.03
1/8	5/16	5/8	3/16	1170	2.50	2170	2.50
1/8	3/8	1/2	3/16	1180	2.44	2180	2.44
1/8	3/8	3/4	3/16	1190	3.63	2190	3.56
1/8	1/2	1/2	1/4	1200	3.21	2200	3.21
1/8	1/2	3/4	1/4	1210	4.83	2210	4.83
1/8	3/4	3/4	1/4	1215	7.19	2215	7.11
5/32	3/8	9/16	3/16	1220	3.34	2220	3.34
5/32	3/8	3/4	3/16	1230	4.47	2230	4.47
5/32	5/8	5/8	1/4	1240	6.21	2240	6.14
3/16	5/16	7/16	3/16	1250	2.59	2250	2.59
3/16	5/16	5/8	3/16	1260	3.70	2260	3.70
3/16	3/8	1/2	3/16	1270	3.56	2270	3.56
3/16	3/8	5/8	3/16	1280	4.47	2280	4.39
3/16	3/8	3/4	3/16	1290	5.31	2290	5.31
3/16	7/16	5/8	1/4	1300	5.17	2300	5.09
3/16	7/16	13/16	1/4	1310	6.61	2310	6.70
3/16	1/2	1/2	1/4	1320	4.74	2320	4.74
3/16	1/2	3/4	1/4	1330	7.06	2330	7.06
3/16	3/4	3/4	1/4	1340	10.14	2340	10.47

ALL STYLE 1000, 2000, STB & STBL SERIES
BLANKS LISTED ARE **UNGROUND**

THICKNESS: MINIMUM GRIND STOCK
1/16" TO 5/16" +0.04" - +0.015" ON ALL DIMENSIONS
3/8" TO 1" +0.06" - +0.020" ON ALL DIMENSIONS

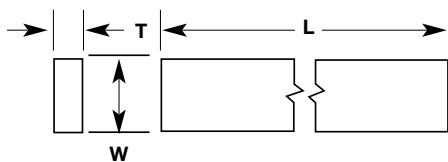
GROUND BLANKS TO YOUR SPECIFICATIONS
ARE AVAILABLE • PRICES UPON REQUEST

C-5 GRADE PREMIUM MEDIUM GRAIN
CARBIDE WITH 10% COBALT ALSO AVAILABLE

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CARBIDE BLANKS STYLE STB - STBL



Style STB-STBL

Dimensions			Blank Number	Price ea.
T	W	L		
1/32	1/16	1	STB-12	1.40
1/32	1/16	1-1/2	STB-12A	1.97
3/64	3/32	13/16	STB-13A	1.67
3/64	3/32	1	STB-13	1.97
1/16	1/16	6	STB-22L	9.17
1/16	1/8	1	STB-24A	1.74
1/16	1/8	1-1/4	STB-24C	2.16
1/16	1/8	1-1/2	STB-24D	2.31
1/16	1/8	3	STB-24B	4.43
1/16	1/8	6	STB-24L	10.91
1/16	3/16	1	STB-26A	2.21
1/16	3/16	3	STB-26C	6.46
1/16	3/16	6	STB-26L	15.81
1/16	1/4	1	STB-28A	2.93
1/16	1/4	1-1/4	STB-28B	3.63
1/16	1/4	3	STB-28D	8.40
1/16	1/4	6	STB-28L	15.39
1/16	5/16	6	STB-210L	19.03
1/16	3/8	6	STB-212L	20.94
1/16	1/2	6	STB-216L	27.57
1/16	5/8	6	STB-220L	34.29
1/16	3/4	6	STB-224L	40.99
1/16	1	6	STB-232L	54.73
5/64	1/8	1-1/8	STB-14	2.36
3/32	1/8	5	STB-34	11.67
3/32	1/8	8	STB-34L	15.13
3/32	3/16	1-1/8	STB-36	3.19
3/32	3/16	1-1/4	STB-36A	3.54
3/32	3/16	8	STB-36L	17.97
3/32	1/4	1	STB-38A	3.71
3/32	1/4	1-1/2	STB-38B	5.49
3/32	1/4	5	STB-38D	17.51
3/32	1/4	8	STB-38L	20.40
3/32	5/16	2	STB-310A	8.94
3/32	5/16	3	STB-310B	9.51
3/32	5/16	5	STB-310C	15.67
3/32	5/16	8	STB-310L	25.49
3/32	3/8	5	STB-312	21.59
3/32	3/8	8	STB-312L	29.90
3/32	1/2	8	STB-316L	39.40
3/32	5/8	8	STB-320L	48.96
1/8	1/8	12	STB-44L	20.81

Dimensions			Blank Number	Price ea.
T	W	L		
1/8	3/16	6	STB-46	16.96
1/8	3/16	12	STB-46L	38.04
1/8	1/4	1	STB-48A	4.77
1/8	1/4	1-1/4	STB-48B	5.93
1/8	1/4	1-1/2	STB-48F	7.09
1/8	1/4	2-1/4	STB-48C	10.53
1/8	1/4	3	STB-48D	9.89
1/8	1/4	6	STB-48E	19.63
1/8	1/4	12	STB-48L	39.34
1/8	5/16	1-1/2	STB-410A	8.76
1/8	5/16	3	STB-410B	12.20
1/8	5/16	6	STB-410	24.30
1/8	3/8	1	STB-412D	7.09
1/8	3/8	2	STB-412A	9.76
1/8	3/8	3	STB-412B	14.54
1/8	3/8	6	STB-412C	28.90
1/8	3/8	12	STB-412L	57.83
1/8	1/2	1	STB-416A	9.29
1/8	1/2	1-1/2	STB-416B	9.76
1/8	1/2	3	STB-416C	19.20
1/8	1/2	6	STB-416	38.13
1/8	1/2	12	STB-416L	76.27
1/8	5/8	6	STB-420	47.39
1/8	5/8	12	STB-420L	94.77
1/8	3/4	6	STB-424	56.63
1/8	3/4	12	STB-424L	113.27
1/8	1	6	STB-432	75.69
1/8	1	12	STB-432L	151.40
3/16	3/16	12	STB-66L	41.04
3/16	1/4	3	STB-68A	14.36
3/16	1/4	6	STB-68	28.51
3/16	1/4	12	STB-68L	57.01
3/16	5/16	3	STB-610A	20.51
3/16	5/16	6	STB-610	35.19
3/16	5/16	12	STB-610L	70.41
3/16	3/8	3	STB-612A	21.09
3/16	3/8	6	STB-612	41.91
3/16	3/8	12	STB-612L	83.81
3/16	1/2	3	STB-616A	27.81
3/16	1/2	6	STB-616	55.31
3/16	1/2	12	STB-616L	110.56
3/16	5/8	3	STB-620A	34.54

C2 MEDIUM
GRAIN CARBIDE
6-8% COBALT

OTHER GRADES
AVAILABLE UPON
REQUEST

MINIMUM GRIND
STOCK TOLERANCES

THICKNESS +0.008"
WIDTH +0.012"
LENGTH +0.008"

PARALLEL AND FLAT
WITHIN 0.020"

ADDITIONAL
QUANTITY
DISCOUNTS
AVAILABLE

SEE PAGE 15
FOR
CARBIDE
DRILL BLANKS

WILLIAM T. HUTCHINSON CO.

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www.hssblanks.com

INDEXABLE INSERTS & DOVETAIL TOOL BLANKS

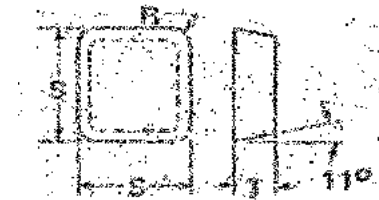
Triangular High Speed Steel T15 Inserts

Style Number	ANSI Standard	DIMENSIONS			PRICE PER PIECE
		S	T	R	
30074	TPG-322	.375	.125	.031	11.30
30085	TPG-433	.500	.188	.047	13.74
30096	TPG-544	.625	.250	.062	21.13



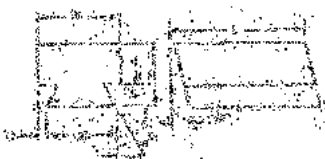
Square High Speed Steel T15 Inserts

Style Number	ANSI Standard	DIMENSIONS			PRICE PER PIECE
		S	T	R	
30110	SPG-322	.375	.125	.031	10.02
30121	SPG-422	.500	.125	.031	11.84
30132	SPG-633	.750	.188	.047	17.75



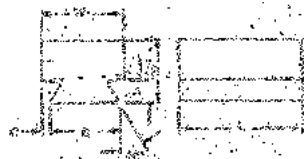
All sizes fit standard positive rake holders same as used for carbide inserts. Other radii available on application. Standard package quantity 10 pieces.

Dovetail Form Tool Blanks (M42)



Dovetail Form Tool Holder	H	W	L	A	B	C	Style	Price Per Piece	Style Number
	+0.015 -0.000	+0.015 -0.000	±0.030	+0.015 -0.000	±0.003	±0.005			
3/8	3/4	1	1-1/2	19/64	.700	1/4	3/8-DF-1	41.57	35588
5/8	1	1	2-1/4	19/64	.951	1/16	5/8-DF-1	63.84	35599
5/8	1	1-1/2	2-1/4	19/64	.951	9/16	5/8-DF-2	83.93	35602
5/8	1	2	2-1/4	19/64	.951	17/32	5/8-DF-3	104.39	35613
1	1-1/2	2	3	35/64	1.614	3/16	1-DF-1	176.22	35624
1	1-1/2	2-1/2	3	35/64	1.614	7/16	1-DF-2	211.66	35635
1	1-1/2	3	3	35/64	1.614	11/16	1-DF-3	248.34	35646
1-1/4	1-1/2	2	3	35/64	1.882	1/8	1-1/4-DF-1	180.34	35657
1-1/4	1-1/2	2-1/2	3	35/64	1.882	9/16	1-1/4-DF-2	215.76	35668
1-1/4	1-1/2	3	3	35/64	1.882	9/16	1-1/4-DF-3	250.60	35679
1-5/8	1-1/2	3	3	35/64	2.238	3/8	1-5/8DF-1	255.56	35690
2-1/8	1-1/2	3	3	43/64	2.883	1/8	2-1/8DF-1	259.00	35704

Dovetail Shave Tool Blanks (M42)



Dovetail Shave Tool Holder	H	W	L	A	B	C	Style	Price Per Piece	Style Number
	+0.015 -0.000	+0.015 -0.000	±0.030	+0.015 -0.000	±0.003	±0.005			
1/2	5/8	1-1/4	1-1/8	13/64	.714	3/8	1/2-DS-1	34.68	35715
5/8	3/4	1	1-1/2	17/64	.912	3/32	5/8-DS-1	40.52	35726
5/8	3/4	1-1/2	1-1/2	17/64	.912	19/64	5/8-DS-2	52.89	35737
5/8	3/4	2	1-1/2	17/64	.912	35/64	5/8-DS-3	64.76	35748
1	1	1-1/2	1-3/4	17/64	1.287	7/32	1-DS-1	67.94	35759
1	1	2	1-3/4	17/64	1.287	23/64	1-DS-2	83.99	35770
1-1/4	1	2	1-3/4	17/64	1.554	11/32	1-1/4-DS-1	88.11	35781
1-1/2	1	2	1-7/8	17/64	1.787	7/32	1-1/2-DS-1	92.81	35792
1-5/8	1-1/2	2-1/2	2-9/16	25/64	2.057	11/32	1-5/8DS-1	180.49	35806

WILLIAM T. HUTCHINSON CO.

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CUTOFF WHEELS

DIAMETER	WIDTH	BORE	PRICE
7□	1/32 1/16	1-1/4	CALL FOR PRICING
8□	1/32 1/16	1-1/4	

Hutchinson tool room cut off wheels are designed by toolmakers for toolmakers. These wheels are formulated for tool room applications where precise cutting is required.

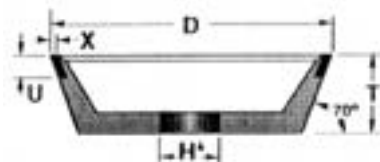
REINFORCED CUTOFF WHEELS

DIAMETER	WIDTH	BORE	PRICE
10□	1/16	5/8	CALL FOR PRICING
12□	1/32	1-1/4 1" (w/bushing)	



Free cutting, long lasting, designed for applications where the workpiece is hand clamped or side pressure is evident. Center reinforced for reduced drag.

DIAMOND WHEELS AND TOOLS



100% CONCENTRATION

TYPE 11V9 FLARING CUP DIAMOND WHEELS

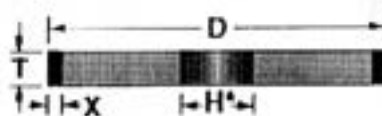
D IN.	T IN.	U IN.	X IN.	PRICE EACH
3□	1□	3/8	1/16	99.00
			1/8	115.00
5	1□	7/16	1/16	130.00
			1/8	150.00

AVAILABLE IN GRIT SIZES
320-(FINE)
150-(MEDIUM)
100-(COARSE)
Specify (H) hole size

TYPE 1A1 STRAIGHT STYLE 6" DIAMOND WHEELS

T IN.	X IN.	PRICE EACH
1/8	1/8	114.00
1/4	1/16	128.00
1/4	1/8	138.00
3/8	1/8	169.00
1/2	1/8	190.00

AVAILABLE IN GRIT SIZES
320-(FINE)
150-(MEDIUM)
100-(COARSE)
100% CONCENTRATION
Specify (H) hole size



TYPE 6A2C CUP STYLE DIAMOND WHEELS WITH COUNTERSUNK BOLT HOLES



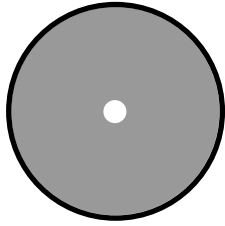
D IN.	T IN.	W IN.	X IN.	PRICE EACH
6	3/4	3/4	1/16	149.00
			1/8	199.00

75% CONCENTRATION
AVAILABLE IN GRIT SIZES
320-(FINE)
150-(MEDIUM)
100-(COARSE)
Specify (H) hole size

WILLIAM T. HUTCHINSON CO.

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DIAMOND TOOLS



6 DIAMOND CUT-OFF WHEEL

.035 Thickness
 1" Hole
 1/4" Diamond Depth
 100% Concentration
 GRIT D100
 92.00 Each

DIAMOND CLEANING STICK



Aluminum Oxide
 150 Grit
 1 x 1 x 6
 6.79 Each

Diamond Plated Bore Laps

Diameter	Length of Diamond	Price Each
3/16	1/2	*
7/32	1/2	*
1/4	1/2	*
9/32	1/2	*
5/16	1/2	*
11/32	1/2	*
3/8	3/4	*
13/32	3/4	*
7/16	3/4	*
15/32	3/4	*
1/2	1	*
9/16	1	*
5/8	1	*
11/16	1	*
3/4	1	*
7/8	1	*
1	1	*



STANDARD GRIT 220
 OTHER GRITS AVAILABLE

SCREW ADJUSTMENT EXPANDS
 DIAMETER

CBN PLATED ALSO AVAILABLE

SPECIFY BARREL OR BLIND HOLE
 LAP WHEN ORDERING

NEEDLE EYE LAPS AVAILABLE TO
 .030 DIA - CALL FOR PRICING

***Call for current pricing**

SINGLE END DIAMOND HAND HONE



L IN.	W IN.	T IN.	L1 IN.	X IN.	PRICE EACH
4	1/4	1/4	1 1/4	1/8	65.00
6	3/8	3/8	1 1/4	1/8	95.00

DOUBLE END DIAMOND HAND HONE



L IN.	W IN.	T IN.	L1 IN.	X IN.	PRICE EACH
4	1/4	1/4	1 1/4	1/8	80.00
6	3/8	3/8	1 1/4	1/8	112.00

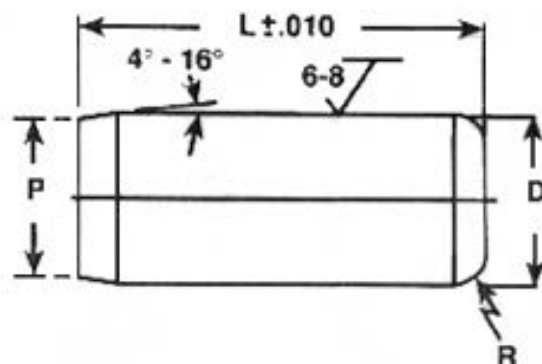
AVAILABLE IN
 GRIT SIZES
 600-(FINE)
 320-(MEDIUM)
 150-(COURSE)

WILLIAM T. HUTCHINSON CO.

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DOWEL PINS

Length	Diameter					
	1/16	3/32	1/8	3/16	1/4	5/16
3/16	*	*	*	□	□	□
1/4	*	*	*	*	*	□
5/16	*	*	*	*	*	□
3/8	*	*	*	*	*	*
7/16	*	*	*	*	*	□
1/2	*	*	*	*	*	*
5/8	*	*	*	*	*	*
3/4	*	*	*	*	*	*
7/8	*	*	*	*	*	*
1	*	*	*	*	*	*
1 1/8	□	□	*	*	*	*
1 1/4	*	*	*	*	*	*
1 3/8	□	□	*	*	*	*
1 1/2	□	*	*	*	*	*
1 5/8	□	□	*	□	*	□
1 3/4	□	*	*	*	*	*
2	□	□	*	*	*	*
2 1/4	□	□	*	*	*	*
2 1/2	□	□	*	*	*	*
2 3/4	□	□	*	*	*	*
3	□	□	*	*	*	*
3 1/4	□	□	□	□	*	*
3 1/2	□	□	□	□	*	*
3 3/4	□	□	□	□	□	*
4	□	□	□	□	*	*



Nom Size	D				P		R	
	STANDARD		.001 Oversized		Point Diameter		Crown height or Radius	
	.0002 Max.	Oversized Min.	.001 Max.	Oversized Min.	Max.	Min.	Max.	Min.
1/16	.0628	.0626	.0636	.0634	0.058	0.048	0.020	0.008
3/32	.0941	.0939	.0949	.0947	0.089	0.079	0.031	0.012
1/8	.1253	.1251	.1261	.1259	0.120	1.110	0.041	0.016
3/16	.1878	.1876	.1886	.1884	0.180	0.179	0.062	0.023
1/4	.2503	.2501	.2511	.2509	0.240	0.230	0.083	0.031
5/16	.3128	.3126	.3136	.3134	0.302	0.290	0.104	0.039
3/8	.3753	.3751	.3761	.3759	0.365	0.350	0.125	0.047
7/16	.4378	.4376	.4386	.4384	0.424	0.409	0.146	0.055
1/2	.5003	.5001	.5011	.5009	0.486	0.471	0.167	0.063
5/8	.6253	.6251	.6261	.6259	0.611	0.595	0.208	0.078
3/4	.7503	.7501	.7511	.7509	0.735	0.715	0.250	0.094
7/8	.8753	.8751	.8761	.8759	0.860	0.840	0.293	0.109
1	1.0003	1.0001	1.0011	1.0009	0.980	0.960	0.333	0.125

Length	Diameter							
	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1□
1/2	*	*	*	□	□	□	□	□
5/8	*	□	*	□	□	□	□	□
3/4	*	*	*	□	*	*	□	□
7/8	*	*	*	□	□	□	□	□
1	*	*	*	*	*	*	*	*
1 1/8	*	□	*	□	□	□	□	*
1 1/4	*	*	*	*	*	*	□	*
1 3/8	*	□	□	□	□	*	□	*
1 1/2	*	*	*	*	*	*	*	*
1 5/8	□	*	*	□	□	*	□	□
1 3/4	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*
2 1/4	*	*	*	*	*	*	*	*
2 1/2	*	*	*	*	*	*	*	*
2 3/4	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*
3 1/4	*	*	*	□	*	*	*	*
3 1/2	*	*	*	*	*	*	*	*
3 3/4	*	□	*	□	*	□	□	□
4	*	*	*	*	*	*	*	*
4 1/2	□	□	*	*	*	*	*	*
5	□	□	*	*	*	*	*	*
5 1/2	□	□	*	□	□	□	□	□
6	□	□	*	□	*	*	*	*

- All pins are heat treated to Rockwell 60-64C
- .001 oversized ± .0001 Prices on application
- Made in USA
- Dowel pins can be custom ground to special diameters to meet your requirements

NO MINIMUM ORDER

***Call for current pricing**

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DOWEL PINS

303 STAINLESS DOWEL PINS

Length	1/8	3/16	1/4	5/16	3/8	1/2	5/8
1/2	*	*	*	*	*	□	□
5/8	*	*	*	*	*	*	□
3/4	*	*	*	*	*	*	□
7/8	*	*	*	*	*	□	□
1	*	*	*	*	*	*	*
1 1/4	*	*	*	*	*	*	*
1 1/2	*	*	*	*	*	*	*
1 3/4	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
2 1/2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
3 1/2	*	□	*	*	*	*	*
4	*	□	*	*	*	*	*

METRIC DOWEL PINS

Length in MM	4	5	6	8	10	12	16	20	Length in MM
12	*	*	*	*	□	□	□	□	12
14	*	*	□	□	□	□	□	□	14
16	*	*	*	*	*	□	□	□	16
18	*	*	□	□	*	□	□	□	18
20	*	*	*	*	*	*	*	□	20
25	*	*	*	*	*	*	*	*	25
30	*	*	*	*	*	*	*	*	30
35	*	*	*	*	*	*	*	□	35
40	*	*	*	*	*	*	*	*	40
45	□	□	*	*	*	*	*	□	45
50	*	*	*	*	*	*	*	*	50
55	*	*	*	*	*	*	□	□	55
60	*	*	*	*	*	*	*	*	60
65	□	*	*	*	*	*	□	□	65
70	*	*	□	*	*	*	*	*	70
80	□	□	*	*	*	*	□	*	80
90	□	□	*	*	*	*	*	□	90
100	□	□	*	□	*	*	□	*	100

METRIC PULL DOWEL PINS

Length in MM	6	8	10	12	16	20	Length in MM
20	*	*	*	*	□	□	20
25	*	*	*	*	*	□	25
30	*	*	*	*	*	*	30
35	*	*	*	*	*	*	35
40	*	*	*	*	*	*	40
45	*	*	*	*	*	*	45
50	*	*	*	*	*	*	50
55	*	*	*	*	*	*	55
60	*	*	*	*	*	*	60
70	*	*	*	*	*	*	70
75	□	□	*	*	*	*	75
80	*	*	*	*	*	*	80
100	□	□	*	*	*	*	100

NO MINIMUM ORDER

***CALL FOR CURRENT PRICING**

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SOCKET HEAD CAP & SET SCREWS

BUTTON HEAD SOCKET CAP SCREWS

Length	4/40	6/32	8/32	10/24	10/32	1/4-20	5/16-18	3/8-16
1/4	*	*	*	*	*	□	□	□
3/8	*	*	*	*	*	*	□	□
1/2	*	*	*	*	*	*	*	*
5/8	□	*	*	*	*	*	*	*
3/4	□	□	*	*	*	*	*	*
1	□	□	□	*	*	*	*	*
1 1/4	□	□	□	□	□	□	□	*

METRIC SOCKET HEAD CAP SCREWS

Length	M8	M10
16	*	□
20	*	*
25	*	*
30	*	*
35	*	*
40	*	*
45	*	*
50	*	*
55	*	*
60	*	*
65	*	*
70	*	*
75	*	*

***Call for current pricing**

FLAT HEAD SOCKET CAP SCREWS

Length	4/40	5/40	6/32	8/32	10/24	10/32	1/4-20	5/16-18	3/8-16	1/2-13	5/8-11	3/4-10
1/4	*	*	*	□	□	□	□	□	□	□	□	□
3/8	*	*	*	*	*	*	*	□	□	□	□	□
1/2	*	*	*	*	*	*	*	*	□	□	□	□
5/8	*	*	*	*	*	*	*	*	□	□	□	□
3/4	*	*	*	*	*	*	*	*	*	*	□	□
1	□	□	□	*	*	*	*	*	*	*	□	□
1 1/4	□	□	□	□	*	*	*	*	*	*	*	□
1 1/2	□	□	□	□	*	*	*	*	*	*	*	*
1 3/4	□	□	□	□	□	□	*	*	*	*	*	*
2	□	□	□	□	□	□	*	*	*	*	*	*
2 1/4	□	□	□	□	□	□	□	□	□	*	*	*
2 1/2	□	□	□	□	□	□	□	□	□	*	*	*
3	□	□	□	□	□	□	□	□	□	*	*	*

SOCKET SET SCREWS – CUP POINT (OTHER POINTS AND DIAMETERS AVAILABLE PRICES ON APPLICATION)

Length	0/80	1/72	2/56	3/48	4/40	5/40	6/32	8/32	10/24	10/32
1/16	□	*	*	□	□	□	□	□	□	□
3/32	*	*	*	*	□	□	□	□	□	□
1/8	*	*	*	*	*	*	*	*	□	□
3/16	*	*	*	*	*	*	*	*	*	*
1/4	*	*	*	*	*	*	*	*	*	*
5/16	□	□	□	□	*	*	*	*	*	*
3/8	□	□	□	□	*	*	*	*	*	*
1/2	□	□	□	□	*	*	*	*	*	*
5/8	□	□	□	□	□	□	□	□	*	*
3/4	□	□	□	□	□	□	□	□	*	*
1	□	□	□	□	□	□	□	□	□	*
1 1/4	□	□	□	□	□	□	□	□	□	*

Length	1/4-20	1/4-28	5/16-18	5/16-24	3/8-16	3/8-24	1/2-13
3/16	*	*	□	□	□	□	□
1/4	*	*	*	*	*	*	□
5/16	*	*	*	*	*	*	□
3/8	*	*	*	*	*	*	□
1/2	*	*	*	*	*	*	*
5/8	*	□	*	*	*	*	*
3/4	*	□	*	*	*	*	*
1	*	□	*	*	*	*	*
1 1/4	*	□	*	□	*	*	*
1 1/2	*	□	*	□	*	*	*

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SOCKET HEAD CAP SCREWS

Length	0/80	1/72	2/56	3/48	4/40	5/40	6/32	6/40	8/32	8/36	10/24	10/32	1/4-20	1/4-28
1/8	*	*	□	□	□	□	□	□	□	□	□	□	□	□
3/16	*	*	*	*	□	□	□	□	□	□	□	□	□	□
1/4	*	*	*	*	*	*	*	□	*	□	□	□	□	□
3/8	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1/2	□	□	*	*	*	*	*	*	*	*	*	*	*	*
5/8	□	□	□	□	*	*	*	*	*	□	*	*	*	*
3/4	□	□	□	□	*	*	*	*	*	*	*	*	*	*
7/8	□	□	□	□	□	□	*	□	*	□	*	*	*	□
1	□	□	□	□	□	□	*	□	*	□	*	*	*	*
1 1/4	□	□	□	□	□	□	□	□	*	□	*	*	*	*
1 1/2	□	□	□	□	□	□	□	□	*	□	*	*	*	*
1 3/4	□	□	□	□	□	□	□	□	□	□	*	*	*	*
2	□	□	□	□	□	□	□	□	□	□	*	*	*	*
2 1/4	□	□	□	□	□	□	□	□	□	□	□	□	*	□
2 1/2	□	□	□	□	□	□	□	□	□	□	□	□	*	□
2 3/4	□	□	□	□	□	□	□	□	□	□	□	□	*	□
3	□	□	□	□	□	□	□	□	□	□	□	□	*	□

Length	5/16-18	5/16-24	3/8-16	3/8-24	7/16-14	1/2-13	1/2-20	5/8-11	3/4-10	1-8
1/2	*	□	*	□	□	*	□	□	□	□
5/8	*	*	*	□	□	□	□	□	□	□
3/4	*	*	*	*	*	*	□	□	□	□
7/8	*	*	*	□	*	*	□	□	□	□
1	*	*	*	*	*	*	*	*	□	□
1 1/4	*	*	*	*	*	*	*	*	*	□
1 1/2	*	*	*	*	*	*	*	*	*	□
1 3/4	*	*	*	*	*	*	*	*	*	□
2	*	*	*	*	*	*	*	*	*	*
2 1/4	*	□	*	□	*	*	*	*	*	*
2 1/2	*	□	*	□	*	*	*	*	*	*
2 3/4	*	□	*	□	*	*	□	*	*	*
3	*	□	*	□	*	*	*	*	*	*
3 1/4	*	□	*	□	□	*	□	*	*	*
3 1/2	*	□	*	□	□	*	□	*	*	*
4	□	□	*	□	□	*	□	*	*	*
4 1/2	□	□	*	□	□	*	□	*	*	*
5	□	□	*	□	□	*	□	*	*	*
5 1/2	□	□	□	□	□	*	□	*	*	*
6	□	□	□	□	□	*	□	*	*	*
6 1/2	□	□	□	□	□	*	□	*	*	*
7	□	□	□	□	□	*	□	*	*	*
8	□	□	□	□	□	*	□	*	*	*

***Call for current pricing**

Also Available:

COMPLETE LINE OF HOLO-KROME FASTENERS

CALL 1-800-544-7934 TO REQUEST LATEST HOLO-KROME CATALOG



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LIXIE HAMMERS AND MALLETS

SOFT FACE DEAD BLOW

Hammers, Mallets and Sledges with Replaceable Faces

All Lixie Dead Blow striking tool head castings feature an unobstructed cavity, partially filled with iron shot. As the hammer is struck on a surface, the urethane face absorbs a portion of the blow's energy. The shot moves forward immediately behind the blow, dampening the rebound and insuring that the force of the blow is transmitted solidly to the struck surface. Lixie Dead Blow Hand Hammers and Mallets are available in 6 sizes, with a selection of two weights in each size. The rugged head casting is of either malleable iron (Heavy Dead Blow) or hi-tensile, non-sparking Aluminum (Light Dead Blow).

Lixie Dead Blow Sledges have the same features as the Hammers and Mallets. They are used where a heavy blow is desired, yet still retain the highly protective quality of Lixie urethane. They are available in 3 sizes with 2 weights in each size furnished with smooth hickory grip handles.

SEE PAGE 55 FOR AVAILABLE FACES



LIXIE
Dead
Blow
Sledge

LIXIE
Dead
Blow
Mallet

	MODEL	HEAD DIAM.	HEAD LENGTH	OVERALL LENGTH	WEIGHT (OUNCES)	PRICE EACH
HAMMERS & MALLETS	*100L-MH	1"	4-1/4"	11"	10	47.78
	100H-MH	1"	4-1/4"	11"	14	53.99
	*125L-MH	1-1/4"	4-7/8"	12"	14	52.95
	125H-MH	1-1/4"	4-7/8"	12"	22	59.65
	*150L-MH	1-1/2"	5-1/4"	13"	22	60.71
	150H-MH	1-1/2"	5-1/4"	13"	30	72.25
	*200L-MH	2"	6-1/4"	15"	38	91.85
	200H-MH	2"	6-1/4"	15"	56	103.74
	*250L-MH	2-1/2"	7"	17"	66	157.25
	250H-MH	2-1/2"	7"	17"	100	149.36
SLEDGES	*300L-MH	3"	8-1/2"	19"	116	203.29
	300H-MH	3"	8-1/2"	19"	168	235.06
	*250L-MH-32	2-1/2"	7-1/8"	32"	80	210.58
	250H-MH-32	2-1/2"	7-1/8"	32"	114	219.69
	*300L-MH-35	3"	8-1/2"	35"	120	264.48
	300H-MH-35	3"	8-1/2"	35"	180	320.20

HAMMERS FURNISHED COMPLETE WITH 2 FACES

Grade of face may be interchanged without increase in cost. Where not specified standard face makeup of Medium and Hard (MH) will be furnished.

*All L-Light Dead Blow models are sparkproof.

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LIXIE HAMMERS AND MALLETS

MULTI HAMMER

with Replaceable Urethane Face

ONE HAMMER DOES THE JOB OF TWO! With a flip of the wrist you can switch from a sparkproof bronze to a soft, protective urethane face without fumbling for another hammer. Lixie's exclusive all-purpose model has a machinist's head cast in our special bronze alloy, with the opposite face incorporating replaceable screw-in faces in your choice of 4 grades, soft to hard. The handle is Grade A hickory with an exclusive non-slip grooved handle and special epoxy wedge construction. The All-Purpose hammer comes in a choice of 3 sizes with face diameters of 1", 1-1/4" or 1-1/2".



MODEL	HEAD DIAM.	HEAD LENGTH	OVERALL LENGTH	WEIGHT (OUNCES)	PRICE EACH
AB 100-T	1"	3-7/8"	12-1/2"	16	61.19
AB 125-T	1-1/4"	4-3/8"	13"	26	77.34
AB 150-T	1-1/2"	5"	13"	36	102.44

HAMMERS FURNISHED COMPLETE WITH 1 URETHANE FACE

Grade of face may be interchanged without increase in cost. Where not specified standard Tough grade (T) will be furnished. All are sparkproof.

REPLACEABLE URETHANE SCREW-IN FACES

Lixie screw-type replaceable polyurethane faces are included on all Lixie Dead Blow and Multi Hammers. They are available in six sizes, with a range of four hardnesses in each size. This permits custom fitting a Lixie hammer to your individual requirements. Impervious to oils and most solvents, these solid polyurethane faces have high impact absorption, yet will not mar,peen or deform the struck surface.



COLOR DENOTES HARDNESS

COLOR	DIAMETER					
	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
BROWN (Soft)	9.68	10.74	12.79	17.51	31.96	43.06
GREEN (Medium)	9.68	10.74	12.79	17.51	31.96	43.06
RED (Tough)	9.68	10.74	12.79	17.51	31.96	43.06
BLACK (Hard)	12.13	13.75	16.64	24.04	43.23	59.63

NOTE: Order face diameter to coincide with hammer diameter. Faces packaged one each per container.



To request full line brochure of Lixie Hammers -
Call 1-800-544-7934

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STEEL SHIM STOCK

Steel Shim Stock is low carbon mild steel cold rolled to a #1 hard temper. It is stiff and springy. The material can be punched or sheared with minimum burring and distortion.

1008/1010 Full Hard, AISI1010, QQS 698

6" x 100" Rolls

THICKNESS	PRICE EACH
.001	\$ 14.39
.0015	17.10
.002	9.85
.0025	10.36
.003	12.46
.004	12.03
.005	10.99
.006	10.51
.007	10.96
.008	10.88
.009	11.40
.010	11.59
.012	11.36
.015	11.80
.018	13.41
.020	13.85
.025	14.81
.031	15.58

6" x 180" Rolls

THICKNESS	PRICE EACH
.001	\$ 29.78
.0015	35.41
.002	20.38
.0025	21.45
.003	26.00
.004	24.90
.005	22.74
.006	21.77
.007	22.69
.008	22.53
.009	23.57
.010	24.01
.012	23.53
.015	24.42
.018	27.80
.020	28.70
.025	30.64
.031	32.28

Assortments

12 Pak □ 1 Pc. each 6" x 12"		
\$ 43.26		
.001	.0015	.002
.003	.004	.005
.006	.007	.008
.010	.012	.015
15 Pak □ 1 Pc. each 6" x 12"		
\$ 50.41		
.001	.0015	.002
.003	.004	.005
.006	.007	.008
.010	.012	.015
.020	.025	.031
4 Pak □ 1 Pc. each 6" x 50"		
\$ 45.77		
.001		
.002		
.003		
.005		

BRASS SHIM STOCK

Use Brass Shim Stock where some stiffness is required and where corrosion problems exist. 70% copper and 30% zinc it has been cold rolled to a 1/2 hard temper, Rockwell hardness of 30T 56/68.

260 Half Hard

6" x 100" Rolls

THICKNESS	PRICE EACH
.001	\$ 24.90
.0015	25.02
.002	25.81
.003	26.65
.004	28.08
.005	29.05
.006	29.89
.007	31.38
.008	33.09
.009	35.55
.010	38.69
.012	41.90
.015	48.39
.020	56.73
.025	67.77
.031	80.18

6" x 180" Rolls

THICKNESS	PRICE EACH
.001	\$ 45.84
.0015	45.84
.002	45.84
.003	45.84
.004	48.11
.005	55.37
.006	60.26
.007	67.24
.008	67.24
.009	71.61
.010	71.61
.012	89.08
.015	98.48
.020	118.79
.025	142.35
.031	157.21

Assortments

12 Pak □ 1 Pc. each 6" x 12"		
\$ 50.22		
.001	.0015	.002
.003	.004	.005
.006	.007	.008
.010	.012	.015
15 Pak □ 1 Pc. each 6" x 12"		
\$ 68.47		
.001	.0015	.002
.003	.004	.005
.006	.007	.008
.010	.012	.015
.020	.025	.031
4 Pak □ 1 Pc. each 6" x 50"		
\$ 55.90		
.001		
.002		
.003		
.005		

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STAINLESS STEEL SHIM STOCK

Stainless Steel Shim Stock can be used in any applications where corrosion is a concern, Available as follows:

- 300 Series Full Hard, R/C 40-45
- 302 Half Hard, R/C 30-35
- 302 Annealed
- Stainless Steel Metric

300 Series Full Hard, R/C 40-45

6" x 50" Rolls

THICKNESS	PRICE EACH
.0005	\$ 76.09
.001	36.69
.0015	33.62
.002	23.22
.003	22.32
.004	21.78
.005	25.05
.006	25.03
.007	25.80
.008	26.22
.009	50.14
.010	27.21
.012	28.43
.015	30.76
.020	36.53
.025	42.78
.031	48.75

6" x 60" Rolls

THICKNESS	PRICE EACH
.0005	□
.001	52.85
.0015	□
.002	33.47
.003	32.13
.004	31.35
.005	36.07
.006	36.01
.007	37.15
.008	37.74
.009	42.51
.010	39.15
.012	40.93
.015	44.26
.020	51.04
.025	61.11
.031	70.21

12' x 50" Rolls

THICKNESS	PRICE EACH
.0005	□
.001	72.76
.0015	□
.002	46.10
.003	45.80
.004	46.72
.005	50.77
.006	57.61
.007	59.53
.008	60.58
.009	□
.010	61.88
.012	64.60
.015	64.72
.020	70.43
.025	84.71
.031	111.44

1/2 Hard Stainless Shim R/C 30-35 AISI 302

12" x 50" Rolls

THICKNESS	PRICE EACH
.003	\$ 96.73
.004	103.85
.005	104.96
.006	128.12
.008	134.67
.010	148.07
.012	143.69
.015	136.74
.020	148.80
.025	188.40

Annealed Stainless Shim AISI 302

12" x 50" Rolls

THICKNESS	PRICE EACH
.003	\$ 96.73
.004	103.85
.005	104.96
.006	128.12
.008	134.67
.010	148.07
.012	143.69
.015	136.74
.020	148.80
.025	188.40

Metric Stainless

300 Series Full Hard, R/C 40-45

150mm x 1.25m

THICKNESS	PRICE EACH
.05 mm	\$ 24.48
.10	24.89
.15	26.25
.20	27.52
.25	28.53
.30	29.80
.40	32.29
.50	38.34
.65	44.90
.80	51.16

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AISI TYPE 0-1 OIL HARDENING GROUND FLAT STOCK

Overall Length: 18"

Thickness	Width	Price Each	Thickness	Width	Price Each	Thickness	Width	Price Each	Thickness	Width	Price Each	
1/64	1/2	121.29	5/64	1/2	17.78	1/8	3	58.05	3/16	3-1/2	80.54	
	3/4	126.13		3/4	22.02		3-1/2	66.11		4	90.00	
	1	132.50		1	26.33		4	74.16		5	109.19	
	1-1/4	138.85		1-1/4	30.52		5	90.25		6	128.34	
	1-1/2	152.91		1-1/2	34.81		6	106.33		8	190.83	
	2	189.97		2	43.38		7	140.44		10	234.73	
	2-1/2	217.80		2-1/2	51.57		8	159.17		12	278.97	
	3	260.94		3	60.14		10	196.22		7/32	7/32	32.70
	4	351.35		4	77.43		12	233.48			1/2	28.01
		6	112.05	14	269.65	3/4	33.74					
1/32	1/2	22.00	3/32	1/4	57.52	9/64	1/2	22.25	1	39.50		
	3/4	29.72		3/8	31.59		3/4	25.37	1-1/4	44.88		
	1	34.64		1/2	17.78		1	30.04	1-1/2	50.59		
	1-1/4	41.05		3/4	22.02		1-1/4	36.14	2	62.02		
	1-1/2	47.46		1	26.33		1-1/2	39.01	2-1/2	74.01		
	2	60.01		1-1/4	30.52		2	48.32	3	84.92		
	2-1/2	72.69		1-1/2	34.81		3	66.75	4	107.68		
	3	85.71		1-3/4	39.09		4	85.19	6	153.37		
	4	110.28		2	43.38		5/32	5/32	36.39	1/4	1/4	32.71
6	196.02	2-1/2	52.00	1/4	54.43	5/16		50.05				
3/64	1/2	19.31	3	60.59	3/8	31.61		3/8	25.60			
	3/4	24.89	4	77.70	1/2	22.06		1/2	27.90			
	1	30.34	5	94.84	3/4	27.05		5/8	30.67			
	1-1/4	35.60	6	111.98	1	31.97		3/4	33.28			
	1-1/2	41.08	8	167.47	1-1/4	36.60		1	38.80			
	2	52.04	10	220.52	1-1/2	41.42		1-1/4	43.79			
	2-1/2	62.78	7/64	1/2	21.15	1-3/4		46.34	1-1/2		49.30	
	3	73.69		3/4	26.28	2	51.34	1-3/4	54.33			
	3-1/2	84.59		1	31.26	2-1/2	61.03	2	60.18			
4	115.46	1-1/4		36.12	3	70.88	2-1/2	71.03				
6	138.65	1-1/2		41.21	3-1/2	80.70	3	81.91				
1/16	1/4	45.67		2	51.35	4	90.50	3-1/2	92.81			
	3/8	22.82		2-1/2	64.26	5	110.15	4	103.73			
	1/2	13.63		3	71.53	6	129.69	4-1/2	114.56			
	5/8	15.65		4	91.72	8	193.39	5	125.41			
	3/4	17.19	6	144.76	3/16	3/16	34.03	5-1/2	136.36			
	1	20.74	1/8	1/8		39.21	1/4	18.78	6	153.14		
	1-1/4	24.20		1/4		14.09	5/16	20.35	7	193.70		
	1-1/2	27.81		5/16		15.39	3/8	21.27	8	219.14		
	1-3/4	31.30		3/8		16.24	1/2	23.41	10	269.18		
2	34.88	1/2		17.92		5/8	26.30	12	319.50			
2-1/2	41.90	5/8		19.96		3/4	28.05	14	368.29			
3	48.94	3/4		22.02		1	32.88	9/32	9/32	34.02		
3-1/2	56.17	1		26.05		1-1/4	37.37		1/2	32.22		
4	63.05	1-1/4		29.85	1-1/2	42.17	3/4		38.35			
5	77.25	1-1/2	33.86	1-3/4	46.91	1	44.58					
6	91.38	1-3/4	21.86	2	51.76	1-1/4	50.22					
8	137.00	2	41.94	2-1/2	61.28	1-1/2	56.47					
10	169.37	2-1/2	49.96	3	70.92							

Tolerance: Thickness ± .001
 Width + .005
 □.0

Also Available:

36" Lengths □Oversize □Low Carbon □A-2, D-2, S-7

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AISI TYPE 0-1 OIL HARDENING GROUND FLAT STOCK

Overall Length: 18"

Thickness	Width	Price Each	Thickness	Width	Price Each	Thickness	Width	Price Each	Thickness	Width	Price Each
9/32	2	68.80	7/16	1-1/4	74.76	3/4	2	150.50	1-1/2	2	270.76
	3	93.48		1-1/2	83.76		2-1/2	176.17		3	314.27
	4	118.10		2	101.70		3	201.97		4	444.76
	6	167.28		2-1/2	119.68		3-1/2	227.64		6	627.79
5/16	5/16	35.37		3	137.63		4	253.37	4	253.37	8
	3/8	30.79	4	169.24	4-1/2		279.10	2	2	346.88	
	1/2	33.40	6	245.45	5	306.26	3		456.22		
	5/8	36.63	1/2	1/2	51.51	6	357.68		4	565.70	
	3/4	39.81		5/8	56.32	8	523.28		6	753.10	
	1	46.42		3/4	61.11	10	631.10	2-1/2	2-1/2	596.33	
	1-1/4	52.09		1	70.68	12	739.02				
	1-1/2	58.54		1-1/4	79.96	7/8	7/8		108.81		
	1-3/4	64.92		1-1/2	89.51		1		116.16		
	2	71.36		1-3/4	99.44		1-1/4	129.92			
	2-1/2	84.18		2	108.76		1-1/2	144.50			
	3	96.93		2-1/2	127.98		2	173.67			
	3-1/2	109.75		3	147.21		3	232.20			
	4	122.59		3-1/2	166.39	4	290.64				
	5	147.92		4	185.65	6	408.99				
	6	180.20	4-1/2	204.89	1	1	92.77				
	7	228.04	5	225.40		1-1/4	139.25				
	8	257.63	6	276.25		1-1/2	154.62				
10	316.26	7	349.39	1-3/4		169.92					
12	375.28	8	394.58	2		185.26					
3/8	3/8	44.49	10	474.95		2-1/2	215.97				
	1/2	40.70	12	554.51		3	246.54				
	5/8	44.64	9/16	9/16		61.81	3-1/2	277.22			
	3/4	48.53		3/4		69.72	4	307.87			
	1	56.21		1		80.36	5	370.61			
	1-1/4	63.32		1-1/4		90.81	6	432.00			
	1-1/2	71.05		1-1/2		101.42	8	629.96			
	1-3/4	81.11		2	122.81	10	760.35				
	2	86.58	5/8	5/8	67.49	12	890.63				
	2-1/2	101.97		3/4	73.05	1-1/8	1-1/8	159.27			
	3	117.47		1	84.04		1-1/2	185.46			
	3-1/2	132.96		1-1/4	94.73		2	220.58			
	4	148.40		1-1/2	105.75		3	290.73			
	4-1/2	163.83		2	127.83		4	360.94			
	5	179.24	2-1/2	149.88	6		502.86				
	5-1/2	194.80	3	171.97	1-1/4	1-1/4	175.86				
	6	210.23	3-1/2	194.09		1-1/2	194.79				
	7	275.67	4	216.15		2	232.84				
8	311.49	5	261.72	2-1/2		270.72					
10	382.33	6	305.88	3		308.52					
12	453.59	3/4	3/4	86.84		4	384.34				
7/16	7/16		53.68	1	99.77	5	461.65				
	1/2		48.53	1-1/4	111.95	6	537.47				
	3/4		57.51	1-1/2	124.78	1-1/2	1-1/2	227.29			
	1		66.48	1-3/4	137.64						

Tolerance:

Thickness ± .001
Width + .005
□ .0

Also Available:

- 36" Lengths
- Oversize
- Low Carbon
- A-2, D-2, S-7

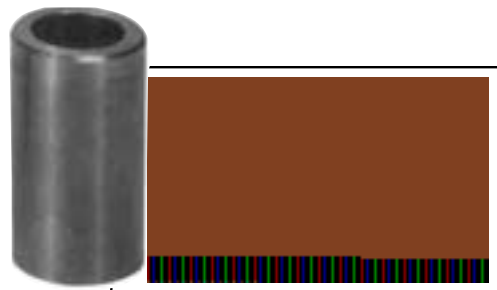
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SOLID CARBIDE PLAIN PRESS FIT BUSHINGS

Std. Drill Size A	Actual O.D. B	Length C	Symbol for O.D. Finish Ground
.0135 to .0625	.1578 .1575	1/4	PC-10-4
		5/16	PC-10-5
		3/8	PC-10-6
		1/2	PC-10-8
.0625 to .0995	.2046 .2043	1/4	PC-13-4
		5/16	PC-13-5
		3/8	PC-13-6
		1/2	PC-13-8
.0980 to .1406	.2516 .2513	1/4	PC-16-4
		5/16	PC-16-5
		3/8	PC-16-6
		1/2	PC-16-8
.1250 to .1935	.3141 .3138	3/4	PC-16-12
		1	PC-20-4
		5/16	PC-20-5
		3/8	PC-20-6
		1/2	PC-20-8
.1875 to .2570	.4078 .4075	3/4	PC-20-12
		1	PC-20-16
		1-3/8	PC-20-22
		1	PC-26-4
		5/16	PC-26-5
		3/8	PC-26-6
.1875 to .3160	.5017 .5014	1/2	PC-26-8
		3/4	PC-26-12
		1	PC-26-16
		1-3/8	PC-26-22
		1-3/4	PC-26-28
.3125 to .4375	.6267 .6264	3/8	PC-32-6
		1/2	PC-32-8
		3/4	PC-32-12
		1	PC-32-16
		1-3/8	PC-32-22
		1-3/4	PC-32-28
.3750 to .5312	.7518 .7515	3/8	PC-40-6
		1/2	PC-40-8
		3/4	PC-40-12
		1	PC-40-16
		1-3/8	PC-40-22
		1-3/4	PC-40-28
.5000 to .6250	.8768 .8765	2-1/8	PC-40-34
		1/2	PC-48-8
		3/4	PC-48-12
		1	PC-48-16
		1-3/8	PC-48-22
		1-3/4	PC-48-28
.6250 to .7500	1.0018 1.0015	2-1/8	PC-48-34
		1/2	PC-56-8
		3/4	PC-56-12
		1	PC-56-16
		1-3/8	PC-56-22
		1-3/4	PC-56-28
.7500 to 1.0000	1.3772 1.3768	2-1/8	PC-56-34
		1/2	PC-64-8
		3/4	PC-64-12
		1	PC-64-16
		1-3/8	PC-64-22
		1-3/4	PC-64-28
.7500 to 1.0000	1.3772 1.3768	2-1/8	PC-64-34
		1/2	PC-64-40
		3/4	PC-88-12
		1	PC-88-16
		1-3/8	PC-88-22
		1-3/4	PC-88-28
.7500 to 1.0000	1.3772 1.3768	2-1/8	PC-88-34
		1	PC-88-40
		1-3/8	PC-88-22
		1-3/4	PC-88-28



SOLID CARBIDE SLIP & FIXED RENEWABLE BUSHINGS

**ALSO AVAILABLE
PRICES UPON REQUEST**

STANDARD I.D. TOLERANCES

Up to 1/4	Nominal +.0001/+.0004
Over 1/4 to 3/4	Nominal +.0001/+.0005
Over 3/4 to 1-1/2	Nominal +.0002/+.0006
Over 1-1/2 to 1-3/4	Nominal +.0003/+.0007

Counterbore

Unless otherwise specified, all Carbide Bushings are supplied without counterbore. (Carbide Bushings with counterbore are priced as specials.)

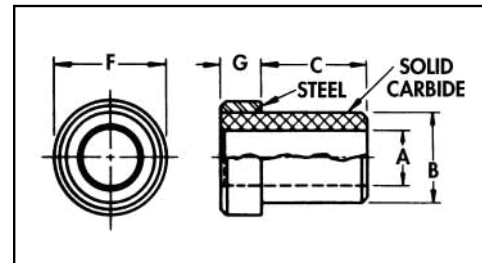
**AVAILABLE IN DRILL SIZES
UP TO 1.750
PRICES ON REQUEST**

WILLIAM T. HUTCHINSON CO.

TOLL FREE 1-800-544-7934 • (908) 688-0533 • FAX (908) 688-8296 • ESTABLISHED 1927

CARBIDE HEAD PRESS FIT BUSHINGS

Std. Drill Size A	Actual O.D. B	Length C	Symbol for O.D. Finish Ground	HEAD DIMENSIONS	
				F	G
.0135 to .0625	.1578 .1575	1/4 5/16 3/8 1/2	HC-10-4 HC-10-5 HC-10-6 HC-10-8	1/4	3/32
.0625 to .0995	.2046 .2043	1/4 5/16 3/8 1/2	HC-13-4 HC-13-5 HC-13-6 HC-13-8	19/64	3/32
.0980 to .1406	.2516 .2513	1/4 5/16 3/8 1/2 3/4	HC-16-4 HC-16-5 HC-16-6 HC-16-8 HC-16-12	23/64	3/32
.1250 to .1935	.3141 .3138	1/4 5/16 3/8 1/2 3/4 1	HC-20-4 HC-20-5 HC-20-6 HC-20-8 HC-20-12 HC-20-16	27/64	1/8
.1875 to .2570	.4078 .4075	1/4 5/16 3/8 1/2 3/4 1 1-3/8	HC-26-4 HC-26-5 HC-26-6 HC-26-8 HC-26-12 HC-26-16 HC-26-22	1/2	5/32
.1875 to .3160	.5017 .5014	3/8 1/2 3/4 1 1-3/8 1-3/4	HC-32-6 HC-32-8 HC-32-12 HC-32-16 HC-32-22 HC-32-28	39/64	7/32
.3125 to .4375	.6267 .6264	3/8 1/2 3/4 1 1-3/8 1-3/4 2-1/8	HC-40-6 HC-40-8 HC-40-12 HC-40-16 HC-40-22 HC-40-28 HC-40-34	51/64	7/32
.3750 to .5312	.7518 .7515	1/2 3/4 1 1-3/8 1-3/4 2-1/8	HC-48-8 HC-48-12 HC-48-16 HC-48-22 HC-48-28 HC-48-34	59/64	7/32
.5000 to .6250	.8768 .8765	1/2 3/4 1 1-3/8 1-3/4 2-1/8	HC-56-8 HC-56-12 HC-56-16 HC-56-22 HC-56-28 HC-56-34	1-7/64	1/4
.6250 to .7500	1.0018 1.0015	1/2 3/4 1 1-3/8 1-3/4 2-1/8 2-1/2	HC-64-8 HC-64-12 HC-64-16 HC-64-22 HC-64-28 HC-64-34 HC-64-40	1-15/64	5/16
.7500 to 1.0000	1.3772 1.3768	3/4 1 1-3/8 1-3/4 2-1/8 2-1/2	HC-88-12 HC-88-16 HC-88-22 HC-88-28 HC-88-34 HC-88-40	1-39/64	3/8



**SOLID CARBIDE SLIP
& FIXED RENEWABLE BUSHINGS**

ALSO AVAILABLE

PRICES UPON REQUEST

STANDARD I.D. TOLERANCES

Up to 1/4	Nominal +.0001/+.0004
Over 1/4 to 3/4	Nominal +.0001/+.0005
Over 3/4 to 1-1/2	Nominal +.0002/+.0006
Over 1-1/2 to 1-3/4	Nominal +.0003/+.0007

**AVAILABLE IN DRILL SIZES
UP TO 1.750**

PRICES ON REQUEST

WILLIAM T. HUTCHINSON CO.

TOLL FREE 1-800-544-7934 • 453 LEHIGH AVENUE • UNION, NEW JERSEY 07083-7926

www.hssblanks.com

STEEL FEELER GAGE STOCK

Thickness	Strips 1/2 x 12"	Coils 1/2 x 25'	Thickness	Strips 1/2 x 12"	Coils 1/2 x 25'
.001	\$7.05	\$126.87	.039	3.24	58.39
.0015	3.76	67.76	.040	3.24	58.39
.002	3.70	54.73	.041-.045	14.24	AVAILABLE IN .001 INCREMENTS — NOT AVAILABLE IN COIL
.0025	3.83	68.98	.046-.054	14.92	
.003	3.70	66.52	.055-.064	15.60	
.004	3.90	70.22	.065-.074	16.29	
.005	3.05	54.95	.075-.084	16.97	
.006	3.05	54.95	.085-.094	17.66	
.007	3.05	54.95	.095-.104	18.34	
.008	3.05	54.95	.105-.125	19.02	
.009	3.05	54.95			
.010	2.70	48.53			
.011	2.70	48.53			
.012	2.70	48.53			
.013	2.70	48.53			
.014	2.70	48.53			
.015	2.70	48.53			
.016	2.78	50.01			
.017	2.78	50.01			
.018	2.78	50.01			
.019	2.78	50.01			
.020	2.78	50.01			
.021	2.78	50.01			
.022	2.78	50.01			
.023	2.78	50.01			
.024	2.78	50.01			
.025	2.85	51.24			
.026	2.85	51.24			
.027	2.85	51.24			
.028	2.85	51.24			
.029	2.85	51.24			
.030	2.85	51.24			
.031	2.91	52.48			
.032	2.91	52.48			
.033	2.91	54.06			
.034	2.91	54.06			
.035	2.91	54.06			
.036	3.24	54.06			
.037	3.24	58.39			
.038	3.24	58.39			



TOLERANCE FOR
.020 & LARGER = ± .0005
FOR .019 & SMALLER
SEE PAGE 63

Steel gage stock is made from fine quality 1095 tempered spring steel and etched every six inches for positive identification.

Available in 1/2" wide (12.7 MM) twelve inch (300 MM) lengths or 25' (7.62 M) rolls

Additional sizes
and materials available.
Call for pricing and
delivery.

Metric - Steel		
Thickness	Strips <small>12.7mm x 300 mm</small>	Coils <small>12.7mm x 7.62m</small>
.04mm	\$ 5.93	\$127.75
.05	5.48	118.62
.06	6.39	109.50
.07	4.56	100.37
.08	4.56	100.37
.09	4.27	91.26
.10	4.28	91.26
.15	4.10	91.26
.20	4.10	86.68
.25	4.10	86.68
.30	4.10	86.68
.35	4.10	86.68
.40	4.10	86.68
.45	4.10	86.68
.50	4.10	86.68
.55	4.21	88.51
.60	4.21	88.51
.65	4.21	88.51
.70	4.21	88.51
.75	4.21	88.51
.80	4.28	91.26
.85	4.28	91.26
.90	4.28	91.26
.95	4.28	91.26
1.00	4.28	91.26
1.50	16.29	□
2.00	16.97	□
2.50	19.02	□
3.00	19.02	□

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STAINLESS STEEL FEELER GAGE STOCK

STAINLESS STEEL GAGE STOCK IS TYPE 301 EXTRA FULL HARD OR HIGH YIELD, WITH A #1 ROUND EDGE. LIKE THE STEEL STOCK IT IS ETCHED EVERY SIX INCHES FOR POSITIVE IDENTIFICATION.

AVAILABLE IN 1/2" AND 1" WIDTHS, TWELVE INCH LENGTHS OR 25" ROLLS.

SPECIAL LENGTHS, WIDTHS AND THICKNESS ON REQUEST.

Thickness	STRIPS 1/2 x 12"	COILS 1/2 x 25'	STRIPS 1 x 12"	COILS 1 x 25'	TOLERANCE +/-
.0005	\$9.86	\$177.59	\$12.25	\$220.51	.00005
.001	7.76	154.97	12.25	220.51	.00012
.0015	7.90	141.46	12.25	220.51	.00012
.002	5.35	96.29	12.25	220.51	.00016
.0025	5.93	118.43	12.25	220.51	.00016
.003	4.66	93.07	12.25	220.51	.00020
.004	3.55	70.67	12.25	220.51	.00020
.005	3.55	63.60	12.25	220.51	.00024
.006	3.55	63.60	12.25	220.51	.00028
.007	3.55	63.60	12.25	220.51	.00028
.008	3.55	63.60	12.25	220.51	.00031
.009	3.55	63.60	12.25	220.51	.00031
.010	3.55	63.60	12.25	220.51	.00035
.011	3.84	69.31	12.25	220.51	.00035
.012	3.84	69.31	12.25	220.51	.00035
.013	3.84	69.31	12.25	220.51	.00043
.014	3.84	69.31	12.25	220.51	.00043
.015	3.84	69.31	12.25	220.51	.00043
.016	4.23	78.83	Not Available in Coils		.00047
.017	4.23	78.83			.00047
.018	4.23	78.83			.00047
.019	4.23	78.83			.00047
.020	4.23	78.83			.00050
.021	4.94	88.89			.00050
.022	4.94	88.89			.00050
.023	4.94	88.89			.00050
.024	4.94	88.89			.00050
.025	4.94	88.89			.00050
.031	4.94	88.89			.00050

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