

ICS  **Cutting Tools, Inc.**

BORING TOOLS



ICS CUTTING TOOLS, INC

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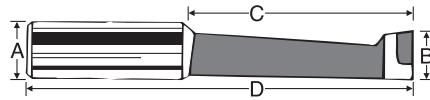
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CARBIDE (GRADE C-6) CARBIDE TIPPED BORING BARS

ICS **WIS**

GENERAL PURPOSE



C-6 grade Carbide Tipped Boring Bars are designed for general purpose boring in steel and alloys. Ideal for flat bottom boring without changing tool. Made of high quality alloy steel for greater rigidity. Precision ground shanks fit standard holders. Offset taper to provide rigidity at cutting point. Minimum bore sizes come in three lengths.

SHORT - for counter boring and short hole work **MEDIUM** - for general boring **LONG** - for extra depth holes

A	B	C	D		
SHANK DIA.	MIN. BORE	BORE DEPTH	LENGTH	ITEM NO.	PRICE EACH
3/8"	5/16	3/4	2	CTBB-A20A	9.46
	5/16	1-1/8	2-3/8	CTBB-A20B	9.76
	5/16	1-1/2	2-3/4	CTBB-A20C	10.08
	3/8	15/16	2-3/16	CTBB-A24A	10.42
	3/8	1-13/32	2-21/32	CTBB-A24B	10.74
	3/8	1-7/8	3-1/8	CTBB-A24C	11.56
	7/16	1-1/8	2-3/8	CTBB-A28A	11.70
	7/16	1-11/16	2-15/16	CTBB-A28B	12.02
	7/16	2-1/4	3-1/2	CTBB-A28C	12.38
5/8"	5/16	3/4	2-1/4	CTBB-C20A	15.62
	5/16	1-1/8	2-5/8	CTBB-C20B	16.10
	5/16	1-1/2	3	CTBB-C20C	16.74
	7/16	1-1/8	2-5/8	CTBB-C28A	17.58
	7/16	1-11/16	3-3/16	CTBB-C28B	18.38
	7/16	2-1/4	3-3/4	CTBB-C28C	19.34
	9/16	1-1/2	3	CTBB-C36A	19.86
	9/16	2-1/4	3-3/4	CTBB-C36B	20.66
	9/16	3	4-1/2	CTBB-C36C	21.30
	11/16	1-7/8	3-3/8	CTBB-C44A	22.10
	11/16	2-13/16	4-5/16	CTBB-C44B	22.78
	11/16	3-3/4	5-1/4	CTBB-C44C	23.74

A	B	C	D		
SHANK DIA.	MIN. BORE	BORE DEPTH	LENGTH	ITEM NO.	PRICE EACH
1/2"	5/16	3/4	2-1/4	CTBB-B20A	12.50
	5/16	1-1/8	2-5/8	CTBB-B20B	12.86
	5/16	1-1/2	3	CTBB-B20C	13.34
	7/16	1-1/8	2-5/8	CTBB-B28A	13.82
	7/16	1-11/16	3-3/16	CTBB-B28B	14.14
	7/16	2-1/4	3-3/4	CTBB-B28C	14.62
	9/16	1-1/2	3	CTBB-B36A	14.96
	9/16	2-1/4	3-3/4	CTBB-B36B	15.30
	9/16	3	4-1/2	CTBB-B36C	15.62
3/4"	7/16	1-1/4	3-1/8	CTBB-D28A	18.38
	7/16	1-11/16	3-11/16	CTBB-D28B	19.18
	7/16	2-1/4	4-1/4	CTBB-D28C	20.02
	9/16	1-1/2	3-1/2	CTBB-D36A	20.82
	9/16	2-1/4	4-1/4	CTBB-D36B	21.30
	9/16	3	5	CTBB-D36C	22.26
	11/16	1-7/8	3-7/8	CTBB-D44A	22.94
	11/16	2-13/16	4-13/16	CTBB-D44B	23.74
	11/16	3-3/4	5-3/4	CTBB-D44C	24.38
	13/16	2-1/4	4-1/4	CTBB-D52A	26.02
	13/16	3-3/8	5-3/8	CTBB-D52B	27.48
	13/16	4-1/2	6-1/2	CTBB-D52C	29.10

A	B	C	D		
SHANK DIA.	MIN. BORE	BORE DEPTH	LENGTH	ITEM NO.	PRICE EACH
1"	9/16	3	5	CTBB-E036	33.92
	11/16	3-3/4	5-3/4	CTBB-E044	33.92
	7/8	4-1/2	6-1/2	CTBB-E056	33.92
	1-1/16	4-1/2	6-1/2	CTBB-E104	33.92
	1-1/8	5-3/4	7-3/4	CTBB-E108	33.92
	1-1/2	6-1/4	8-1/4	CTBB-E132	33.92
	1-5/8	7-1/2	9-1/2	CTBB-E140	33.92

CARBIDE (GRADE C-6) CARBIDE TIPPED BORING BAR SETS

WOOD STAND

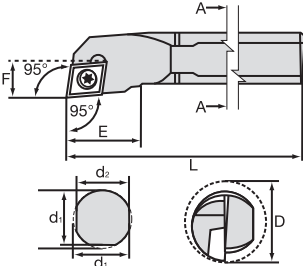
	DESCRIPTION	ITEM NO.	PRICE
	9 PC SET - 3/8" SHANK Carbid Tipped Boring Bars	CTBBS-A-9	42.92
	9 PC SET - 1/2" SHANK Carbide Tipped Boring Bars	CTBBS-B-9	56.50
	12 PC SET - 5/8" SHANK Carbide Tipped Boring Bars	CTBBS-C-12	99.48
	12 PC SET - 3/4" SHANK Carbide Tipped Boring Bars	CTBBS-D-12	131.36
	7 PC SET - 1" SHANK Carbide Tipped Boring Bars	CTBBS-E-7	175.20

INDEXABLE (SCREW ON) BORING BARS

ICS EUR

SPECIAL PURPOSE

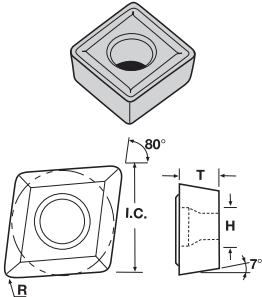
PRECISION GROUND

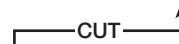
SCREW ON STYLE	ITEM NO.	INSCRIBED CIRCLE I.C.	DIMENSIONS				INSERT USED	PRICE
			SHANK DIA. D	MIN. BORE D	OVERALL LENGTH L	CENTER TO POINT F		
SCLCR 80° Diamond 5° Negative End & Side Cutting Angle 	IT-SCLCR 04-2	1/4"	.315	.354	4	.1875	I-CCMT-21.51	39.00
	IT-SCLCR 06-2		.375	.468	6	.2500	I-CCMT-21.51	39.00
	IT-SCLCR 08-3	3/8"	.500	.600	7	.3120	I-CCMT-32.52	39.00
	IT-SCLCR 10-3		.625	.866	8	.4060	I-CCMT-32.52	47.00
	IT-SCLCR 12-3		.750	.920	10	.5000	I-CCMT-32.52	51.00
	IT-SCLCR 16-3		1.000	1.120	12	.6094	I-CCMT-32.52	58.00

SPARE PARTS FOR INDEXABLE BORING BARS

BORING BAR ITEM NO.	SPARE PARTS USED			
	TORX KEY		LOCKING SCREW	
	ITEM NO.	PRICE	ITEM NO.	PRICE
IT-SCLCR 04-2	ISP-TK-T07	6.00	ISP-LS-3	1.00
IT-SCLCR 06-2	ISP-TK-T07	6.00	ISP-LS-3	1.00
IT-SCLCR 08-3	ISP-TK-T15	6.00	ISP-LS-6	1.00
IT-SCLCR 10-3	ISP-TK-T15	6.00	ISP-LS-6	1.00
IT-SCLCR 12-3	ISP-TK-T15	6.00	ISP-LS-6	1.00
IT-SCLCR 16-2	ISP-TK-T15	6.00	ISP-LS-6	1.00

CARBIDE INSERTS FOR INDEXABLE BORING BARS

STYLE	ITEM NO.		INSCRIBED CIRCLE I.C.	THICKNESS T	RADIUS R	HOLE H	GRADES	
	ALPHA PREFIX	NUMERIC SUFFIX INSERT-CUT-(GRADE)					NON COATED	TiN COATED
							C2, C5, C6	T5, T6
CCMT 80° Diamond 7° Positive Rake Single Sided Chipbreaker 	I-CCMT 21.51 F ()	1/4"	3/32	1/64	.110	4.70	5.40	
	I-CCMT 21.51 M ()							3/8"
	I-CCMT 32.52 F ()	5/32	1/64	.173	4.90	5.70		
	I-CCMT 32.52 M ()						5/32	1/32

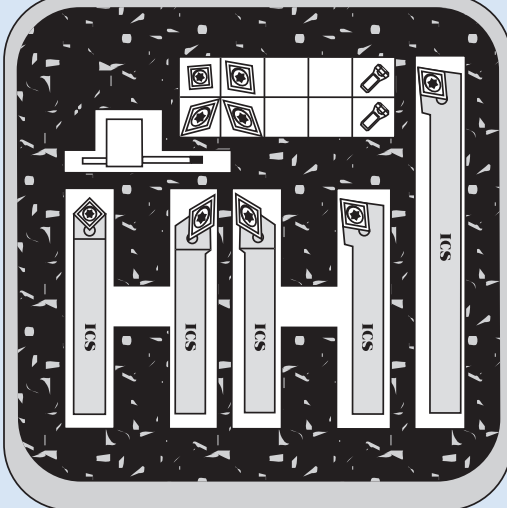

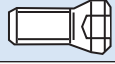

 F = Finish Cut
 M = Medium Cut

MINI TOOLHOLDER & BORING BAR SET

ICS EUR

SPECIAL PURPOSE

PRECISION GROUND

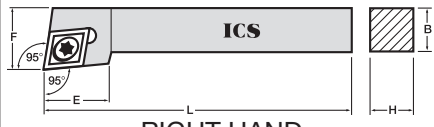
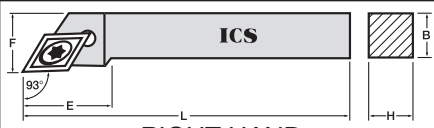
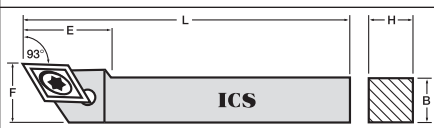
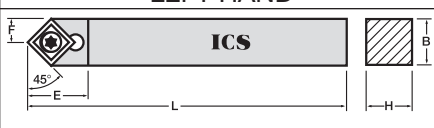
ILLUSTRATION	DESCRIPTION	ITEM NO.	PRICE
<p>5 PC MINI TOOLHOLDER AND BORING BAR SET</p> 	5 PC Mini Toolholder & Boring Bar Set in plastic case. Each set contains one each of four types of Toolholders and one Boring Bar. Set also includes 1 Torx Key and 2 spare Locking Screws. Inserts are sold separately.	IMT-MTBBS-5	252.00
	MINI TOOLHOLDERS AND BORING BAR IN SET		
ITEM NO.	DESCRIPTION	CUT	INSERT USED
IMT-SCLCR04-2	Mini Toolholders	Right Hand	I-CCMT 21.51
IMT-SDJCR04-2		Right Hand	I-DCMT 21.51
IMT-SDJCL04-2		Left Hand	I-DCMT 21.51
IMT-SSDCN04-2	Boring Bar	Neutral	I-SCMT 21.51
IT-SCLCR04-2		Right Hand	I-CCMT 21.51
SPARE PARTS IN SET			
			
TORX KEY		LOCKING SCREW	
ITEM NO.	PRICE	ITEM NO.	PRICE
ISP-TK-T07	6.00	ISP-LS-3	3.00

INDEXABLE (SCREW-ON) MINI TOOLHOLDERS

ICS EUR

SPECIAL PURPOSE

PRECISION GROUND

TOOLHOLDER STYLE	ITEM NO.	DIMENSIONS				INSERT USED	PRICE
		SHANK		HEAD			
		SIZE H x B	LENGTH L	WIDTH F	TOP E		
 <p>RIGHT HAND</p>	IMT-SCLCR 04-2	.315 x .315	2.36	.394	.394	I-CCMT 21.51	49.50
 <p>RIGHT HAND</p>	IMT-SDJCR 04-2	.315 x .315	2.36	.394	.630	I-DCMT 21.51	49.50
 <p>LEFT HAND</p>	IMT-SCDJCL 04-2	.315 x .315	2.36	.394	.630	I-DCMT 21.51	49.50
 <p>NEUTRAL</p>	IMT-SSDCN 04-2	.315 x .315	2.36	.157	.472	I-SCMT 21.51	49.50

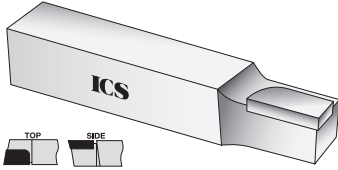
CARBIDE TIPPED BORING BARS

ICS EUR/KOR

GENERAL PURPOSE

All Carbide Tipped Tool Bits are available with either a C-2 (cast iron) or C-5 (steel) grade carbide tip for cutting. Please specify grade when ordering.

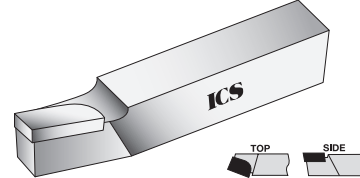
STYLE "AR & AL"



STRAIGHT OR NO LEAD ANGLE

All tools have size and grade of carbide stamped on side.

STYLE "BR & BL"

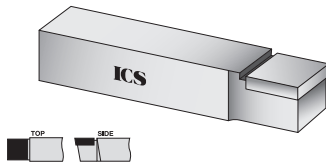


15° LEAD ANGLE

ITEM NO.				
PREFIX - GRADE	TOOL NO. RT. HAND	TOOL NO. LFT. HAND	SHANK SIZE	PRICE
CTTB (GRADE)	AR 04	AL 04	1/4 x 1/4 x 2	6.00
CTTB (GRADE)	AR 05	AL 05	5/16 x 5/16 x 2-1/4	6.20
CTTB (GRADE)	AR 06	AL 06	3/8 x 3/8 x 2-1/2	6.30
CTTB (GRADE)	AR 08	AL 08	1/2 x 1/2 x 3-1/2	6.80
CTTB (GRADE)	AR 10	AL 10	5/8 x 5/8 x 4	9.00
CTTB (GRADE)	AR 12	AL 12	3/4 x 3/4 x 4-1/2	12.00

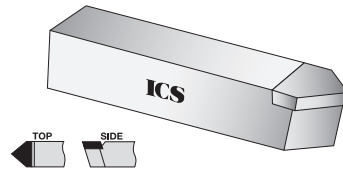
ITEM NO.				
PREFIX - GRADE	TOOL NO. RT. HAND	TOOL NO. LFT. HAND	SHANK SIZE	PRICE
CTTB (GRADE)	BR 04	BL 04	1/4 x 1/4 x 2	6.00
CTTB (GRADE)	BR 05	BL 05	5/16 x 5/16 x 2-1/4	6.20
CTTB (GRADE)	BR 06	BL 06	3/8 x 3/8 x 2-1/2	6.30
CTTB (GRADE)	BR 08	BL 08	1/2 x 1/2 x 3-1/2	6.80
CTTB (GRADE)	BR 10	BL 10	5/8 x 5/8 x 4	9.00
CTTB (GRADE)	BR 12	BL 12	3/4 x 3/4 x 4-1/2	12.00

STYLE "C"



SQUARE NOSE

STYLE "D"

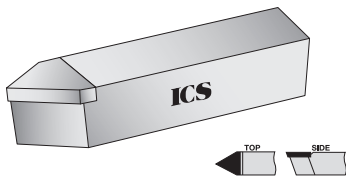


80° INCLUDED ANGLE

ITEM NO.				
PREFIX - GRADE - TOOL NO.			SHANK SIZE	PRICE
CTTB (GRADE) C 04			1/4 x 1/4 x 2	6.00
CTTB (GRADE) C 05			5/16 x 5/16 x 2-1/4	6.20
CTTB (GRADE) C 06			3/8 x 3/8 x 2-1/2	6.30
CTTB (GRADE) C 08			1/2 x 1/2 x 3-1/2	6.80
CTTB (GRADE) C 10			5/8 x 5/8 x 4	9.00
CTTB (GRADE) C 12			3/4 x 3/4 x 4-1/2	12.00

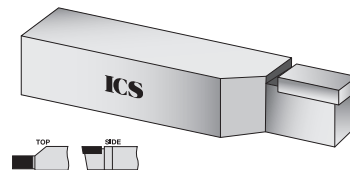
ITEM NO.				
PREFIX - GRADE - TOOL NO.			SHANK SIZE	PRICE
CTTB (GRADE) D 04			1/4 x 1/4 x 2	6.00
CTTB (GRADE) D 05			5/16 x 5/16 x 2-1/4	6.20
CTTB (GRADE) D 06			3/8 x 3/8 x 2-1/2	6.30
CTTB (GRADE) D 08			1/2 x 1/2 x 3-1/2	6.80
CTTB (GRADE) D 10			5/8 x 5/8 x 4	9.00
CTTB (GRADE) D 12			3/4 x 3/4 x 4-1/2	12.00

STYLE "E"



60° INCLUDED ANGLE

STYLE "CTR"



CUT-OFF RIGHT HAND

ITEM NO.				
PREFIX - GRADE - TOOL NO.			SHANK SIZE	PRICE
CTTB (GRADE) E 04			1/4 x 1/4 x 2	6.00
CTTB (GRADE) E 05			5/16 x 5/16 x 2-1/4	6.20
CTTB (GRADE) E 06			3/8 x 3/8 x 2-1/2	6.30
CTTB (GRADE) E 08			1/2 x 1/2 x 3-1/2	6.80
CTTB (GRADE) E 10			5/8 x 5/8 x 4	9.00
CTTB (GRADE) E 12			3/4 x 3/4 x 4-1/2	12.00

ITEM NO.				
PREFIX - GRAD - TOOL NO.	TIP WIDTH			PRICE
CTTB (GRADE) CTR 11	1/8	1/2 x 1 x 5		13.30
CTTB (GRADE) CTR 22	3/16	1/2 x 1 x 5		14.06
CTTB (GRADE) CTR 33	1/4	1/2 x 1 x 5		18.10

PACKAGING

No. 4 to 6 - 10 Pcs. No. 8 to 12 - 5 Pcs.

TOOL BITS

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GENERAL PURPOSE

PRECISION GROUND

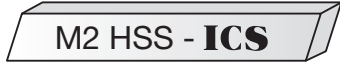
HIGH SPEED STEEL

M2 high speed steel tool bits are designed for general purpose machining mild steel, alloys, and tool steels. They have good heat and abrasion resistant properties and are best used when making an interrupted cut or where the tool may be subjected to heavy load or shock.

5% COBALT (M35)

(M35) 5% Cobalt tool bits are designed for heavy duty machining alloy steels and tough materials, such as castings and forgings. They have high heat and abrasion resistant properties and are best used when making heavy cuts, at high speeds and feeds, or where high heat is a factor.

SQUARE SECTION



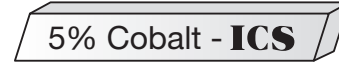
M2 HSS - ICS

Both ends beveled 10°

SIZE	OVERALL LENGTH	HSS TB-SQ
1/8	2-1/2	2.24
3/16	2-1/2	2.24
1/4	2-1/2	2.76
1/4	4	4.50
5/16	2-1/2	3.36
5/16	4	7.50
3/8	3	4.80
3/8	4	5.50
3/8	6	11.60

SIZE	OVERALL LENGTH	HSS TB-SQ
7/16	3-1/2	6.86
1/2	4	8.84
1/2	6	18.00
5/8	4-1/2	14.26
3/4	5	21.04
7/8	6	33.78
1	7	60.00
1-1/4	7	110.00

SQUARE SECTION



5% Cobalt - ICS

Both ends beveled 10°

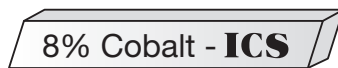
SIZE	OVERALL LENGTH	HSS TB-SQ5C
1/8	2-1/2	3.88
3/16	2-1/2	3.88
1/4	2-1/2	5.10
1/4	4	7.58
5/16	2-1/2	6.16
5/16	4	9.64
3/8	3	7.80
3/8	4	10.76

SIZE	OVERALL LENGTH	HSS TB-SQ5C
7/16	3-1/2	12.16
1/2	4	14.06
1/2	6	24.00
5/8	4-1/2	25.08
3/4	5	38.56
7/8	6	66.08
1	7	80.64
1-1/4	7	128.16

8% COBALT (M42)

(M42) 8% Cobalt tool bits are designed for machining work hardening alloys and other tough materials. They have increased water resistance and tool life. This improves performance and retention of the cutting edge.

SQUARE SECTION



8% Cobalt - ICS

Both ends beveled 10°

SIZE	OVERALL LENGTH	HSS TB-SQ8C
3/16	2-1/2	5.00
1/4	2-1/2	5.50
5/16	2-1/2	6.66
3/8	3	10.00
7/16	3-1/2	14.00

SIZE	OVERALL LENGTH	HSS TB-SQ8C
1/2	4	18.34
5/8	4-1/2	20.50
3/4	5	29.00
7/8	6	47.50

PACKAGING

1/8 to 3/8 - 10 Tools / Pkg., 7/16 to 1/2 - 5 Tools / Pkg., 5/8 to 1-1/4 - 1 Tool / Pkg.

RECTANGULAR SECTION



M2 HSS - ICS

SIZE	OVERALL LENGTH	HSS TB-R
1/4 x 3/8	3	5.14
1/4 x 1/2	4	6.16
1/4 x 3/4	5	10.80
1/4 x 1	6	15.50
5/16 x 7/16	3	9.14
3/8 x 1/2	4	9.26
3/8 x 3/4	5	14.90

SIZE	OVERALL LENGTH	HSS TB-R
1/2 x 3/4	5	17.50
1/2 x 1	7	29.76
1/2 x 1-1/4	7	36.66
5/8 x 3/4	5	29.50
3/4 x 1	6	45.50
3/4 x 1-1/4	7	56.90

PACKAGING

1/4 to 3/8 - 5 Tools / Pkg., 1/2 to 3/4 - 1 Tool / Pkg.

ROUND SECTION



M2 HSS - ICS

SIZE	OVERALL LENGTH	HSS TB-SQ8C
1/8	2-3/4	1.00
5/32	3-1/8	1.08
3/16	3-1/2	1.30
1/4	4	1.80
5/16	4-1/2	2.80
3/8	5	4.00

SIZE	OVERALL LENGTH	HSS TB-SQ8C
7/16	5-1/2	5.34
1/2	6	6.92
5/8	6	13.70
3/4	6	19.80
1	6	34.76

PACKAGING

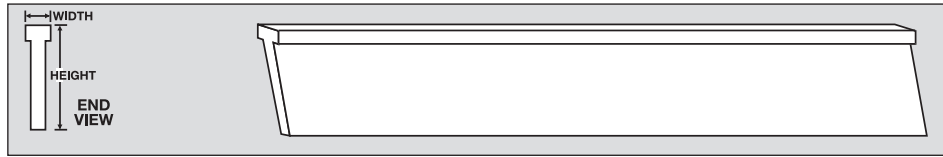
1/8 to 1/4 - 10 Tools / Pkg., 5/16 to 1/2 - 5 Tools / Pkg., 5/8 to 1 - 1 Tool / Pkg.

HIGH SPEED STEEL T-SHAPED CUT-OFF BLADES

ICS **EUR**

GENERAL PURPOSE

PRECISION GROUND



T-Shaped blades are ideal for cutting-off, grooving, and similar operations. The narrow design conserves material being cut and reduces the heat generated when cutting. This style blade will produce a chip narrower than the blade itself. Increased clearance angles on each side of blade reduce friction and assure long tool life. These blades fit all cut-off tool holders made for holding T-shaped blades.

SIZE WIDTH x HEIGHT	OVERALL LENGTH	ITEM/BLADE NO.	PRICE
.040 x 1/2	3-1/2	COB-TS P1N	19.52
1/16 x 1/2	4-1/2	COB-TS P1	17.10
5/64 x 1/2	4-1/2	COB-TS P2N	17.54
3/32 x 1/2	4-1/2	COB-TS P2	17.54
1/8 x 1/2	4-1/2	COB-TS P3S	17.54
3/32 x 11/16	5	COB-TS P3N	18.44
1/8 x 11/16	5	COB-TS P3	18.88
5/32 x 11/16	5	COB-TS P4	19.52
3/16 x 11/16	5	COB-TS P5S	19.52
1/8 x 3/4	5	COB-TS P3W	19.20

SIZE WIDTH x HEIGHT	OVERALL LENGTH	ITEM/BLADE NO.	PRICE
5/32 x 3/4	5	COB-TS P4W	19.20
3/16 x 3/4	5	COB-TS P5W	22.88
1/8 x 7/8	6	COB-TS P5X	21.98
5/32 x 7/8	6	COB-TS P5N	22.88
3/16 x 7/8	6	COB-TS P5	23.48
1/4 x 7/8	6	COB-TS P6	24.98
1/8 x 1-1/8	6-1/2	COB-TS P8X	34.32
5/32 x 1-1/8	6-1/2	COB-TS P8N	37.78
3/16 x 1-1/8	6-1/2	COB-TS P8	42.20
1/4 x 1-1/8	6-1/2	COB-TS P9	47.14

GROUND CUT-OFF BLADES

ICS **EUR**

GENERAL PURPOSE

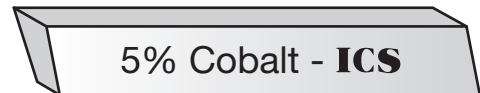
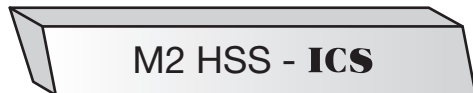
PRECISION GROUND

HIGH SPEED STEEL

M2 High Speed Steel Cut-off Blades are designed for cutting-off, grooving, and similar operations.

COBALT

(M-35) 5% Cobalt Cut-off Blades are designed for heavy duty and high speed machining operations.



End View
Both ends beveled 5°.

SIZE WIDTH x HEIGHT	OVERALL LENGTH	ITEM/BLADE NO.	PRICE
3/32 x 1/2	4-1/2	COB-HS 006 x 032	14.06
3/32 x 5/8	5	COB-HS 006 x 040	17.26
1/8 x 3/4	6	COB-HS 008 x 048	20.76
1/8 x 7/8	6	COB-HS 008 x 056	26.96
3/16 x 1	6-1/2	COB-HS 012 x 100	32.06

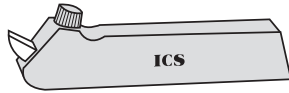
SIZE WIDTH x HEIGHT	OVERALL LENGTH	ITEM/BLADE NO.	PRICE
3/32 x 1/2	4-1/2	COB-5C 006 x 032	16.88
3/32 x 5/8	5	COB-5C 006 x 040	20.72
1/8 x 3/4	6	COB-5C 008 x 048	25.94
1/8 x 7/8	6	COB-5C 008 x 056	34.06
3/16 x 1	6-1/2	COB-5C 012 x 100	44.64

TURNING TOOL HOLDERS

ICS **IND**

GENERAL PURPOSE

DROP FORGED



STRAIGHT



LEFT HAND OFFSET



RIGHT HAND OFFSET

Drop forged alloy steel tool holders have a relieved cutter bit hole for proper seating and reduced breakage of tool bits. All holders come complete with a wrench. Left hand holders offset to the right; right hand holders offset to left.

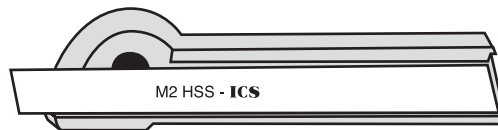
SIZE OF TOOL BIT SQUARE	HOLDER SIZE	FOR LATHES APPROX. SWING (IN.)	ITEM NO.			PRICE EACH
			STRAIGHT SHANK	LEFT HAND OFFSET	RIGHT HAND OFFSET	HOLDER WITH WRENCH
1/8	5/16 x 1/2 x 4	9-10	TTHS008	TTHL008	TTHR008	21.60
3/16	5/16 x 3/4 x 4-1/2	9-10	TTHS012	TTHL012	TTHR012	24.14
1/4	3/8 x 7/8 x 5	10-14	TTHS016	TTHL016	TTHR016	25.08
5/16	1/2 x 1-1/8 x 6	14-16	TTHS020	TTHL020	TTHR020	32.08
3/8	5/8 x 1-3/8 x 7	16-18	TTHS024	TTHL024	TTHR024	37.00
7/16	3/4 x 1-5/8 x 8	18-20	TTHS028	TTHL028	TTHR028	48.78
1/2	7/8 x 1-3/4 x 9	24-36	TTHS032	TTHL032	TTHR032	54.48

CUT-OFF BLADE TOOL HOLDERS

ICS **IND**

GENERAL PURPOSE

DROP FORGED



STRAIGHT SHANK

Drop forged alloy steel tool holder is designed to support cut-off blade and help prevent blade breakage. All holders come complete with a wrench.

CUT-OFF BLADE SIZE	HOLDER SIZE	FOR LATHES APPROX. SWING (IN.)	ITEM NO.		PRICE EACH
			STRAIGHT SHANK	TOOL HOLDER WITH WRENCH	
3/32 x 1/2	5/16 x 3/4 x 4-1/2	9-10	COBTHS006		20.84
3/32 x 5/8	3/8 x 7/8 x 5	9-10	COBTHS006A		23.62
1/8 x 3/4	1/2 x 1-1/8 x 6	11-14	COBTHS008		25.80
1/8 x 7/8	5/8 x 1-3/8 x 7	14-16	COBTHS008A		35.52
3/16 x 1	3/4 x 1-5/8 x 8	16	COBTHS012		44.64

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