

NEW!

# EMUGE



A-H & A-HCUT TAPS SOLUTIONS FOR  
HARDENED STEEL & CAST IRON



**AGRICULTURE  
VEHICLES**

**HEAVY EQUIPMENT**

## Introducing a New Generation of Premium HSS-E and HSSE-PM Taps for Hardened Steel and Cast Iron Materials

Emuge has enhanced the H series of Rekord-A style taps to provide more standard product solutions for threading hardened steel and cast iron material. The **A-H family of taps** is the best solution for tapping extremely abrasive materials and those materials with elevated hardness levels, and are well suited for cast iron, common in the heavy equipment and agricultural vehicle markets. Emuge A-H Taps are now available with or without coolant through holes and with TiCN coating for improved tool life.

- **Premium HSS-E A-H Taps** can tap materials up to **48 Rc hardness**
- **Premium HSSE-PM A-HCUT Taps** can tap materials between **44 and 55 Rc hardness** and have a hard, heat resistant, powdered metal substrate for enhanced cutting performance and extended tool life
- **TiCN coated** tools to enhance the surface hardness and help increase the tools' abrasion resistance
- **NT nitride surface treatment** for increased wear resistance
- **New coolant-fed version** with axial coolant holes help aid in chip evacuation
- Suitable for **short chipping hardened steel and cast iron**
- **Rekord A style** for through and blind hole applications
- **UNC/UNF thread sizes** along with **Metric and Metric Fine** sizes



**MATERIALS AND SPEED RECOMMENDATIONS**

Applications – Materials		Hardness Range			Material Examples	SFM				
		HRC	BHN	N/mm <sup>2</sup>		A-H NT	A-H TiCN	A-H Carbide	A-HCUT TiCN	
<b>P</b>	<b>Steel materials</b>									
	4.1	Heat-treatable steels, Cold work steels, Nitriding steels, etc.	≤ 38	≤ 355	≤ 1200	4140 / 4340 / 8620 / P20 / H13 / D2 / 300M / 52100 / M1-M42	16 - 49	16 - 66		
	5.1	High-alloyed steels, Cold work steels, Hot work steels, etc.	≤ 44	≤ 415	≤ 1400	4140 / 4340 / 8620 / P20 / H13 / D2 / 300M / 52100	16 - 33	16 - 49	16 - 49	
<b>K</b>	<b>Cast materials</b>									
	1.1	Cast iron with lamellar graphite (GJL)		30 - 75	100 - 250	Grey cast irons G10-GG40	33 - 82	49 - 148	131 - 262	
	1.2		75 - 135	250 - 450	33 - 66		33 - 131	98 - 197		
	2.1	Cast iron with nodular graphite (GJS)		105 - 150	350 - 500	Nodular GGG40-GGG70	16 - 66	33 - 98	98 - 197	
	2.2		150 - 265	500 - 900	16 - 49		33 - 82	66 - 131		
	3.1		90 - 120	300 - 400	16 - 49		33 - 82	66 - 131		
	3.2	Cast iron with vermicular graphite (GJV)		120 - 150	400 - 500	Compact graphite iron (CGI)			66 - 131	
	4.1		70 - 145	250 - 500	33 - 82		49 - 148	131 - 262		
	4.2	Malleable cast iron (GTMW, GTMB)		150 - 235	500 - 800	White iron	33 - 66	33 - 131	98 - 197	
<b>H</b>	<b>Hard materials</b>									
	1.1	High strength steels, hardened steels, hard castings	44 - 50					3 - 16	3 - 16	
	1.2		50 - 55					3 - 10	3 - 10	

- NT Surface Treatment or TiCN Coated
- Blind / Through Hole
- DIN Length / ANSI Shank
- C / 2-3 Chamfer Length
- 2BX Class of Fit



### UNC – NT SURFACE – Reinforced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
#1	64	2	0.141"	0.110"	1.772"	BU100501.5000
#2	56	3	0.141"	0.110"	1.772"	BU100501.5001
#3	48	3	0.141"	0.110"	1.969"	BU100501.5002
#4	40	3	0.141"	0.110"	2.205"	BU100501.5003
#5	40	3	0.141"	0.110"	2.205"	BU100501.5004
#6	32	3	0.141"	0.110"	2.205"	BU100501.5005
#8	32	3	0.168"	0.131"	2.48"	BU100501.5006
#10	24	3	0.194"	0.152"	2.756"	BU100501.5007
#12	24	3	0.220"	0.165"	3.15"	BU100501.5008
1/4	20	3	0.255"	0.191"	3.15"	BU100501.5009
5/16	18	3	0.318"	0.238"	3.543"	BU100501.5010
3/8	16	3	0.381"	0.286"	3.937"	BU100501.5011

### UNC – TiCN COATED – Reinforced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
#2	56	3	0.141"	0.110"	1.772"	BU109101.5001
#4	40	3	0.141"	0.110"	2.205"	BU109101.5003
#6	32	3	0.141"	0.110"	2.205"	BU109101.5005
#8	32	3	0.168"	0.131"	2.48"	BU109101.5006
#10	24	3	0.194"	0.152"	2.756"	BU109101.5007
1/4	20	3	0.255"	0.191"	3.15"	BU109101.5009
5/16	18	3	0.318"	0.238"	3.543"	BU109101.5010
3/8	16	3	0.381"	0.286"	3.937"	BU109101.5011
<b>COOLANT-THRU</b>						
#10	24	3	0.194"	0.152"	2.756"	BU959101.5007
1/4	20	3	0.255"	0.191"	3.15"	BU959101.5009
5/16	18	3	0.318"	0.238"	3.543"	BU959101.5010
3/8	16	3	0.381"	0.286"	3.937"	BU959101.5011

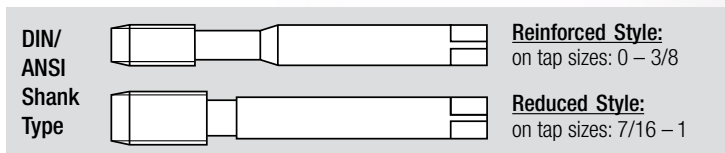
### UNC – NT SURFACE – Reduced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	14	3	0.323"	0.242"	3.937"	CU100501.5012
1/2	13	3	0.367"	0.275"	4.331"	CU100501.5013
9/16	12	3	0.429"	0.322"	4.331"	CU100501.5014
5/8	11	3	0.480"	0.360"	4.331"	CU100501.5015
3/4	10	4	0.590"	0.442"	4.921"	CU100501.5016
7/8	9	4	0.697"	0.523"	5.512"	CU100501.5017
1	8	4	0.800"	0.600"	6.299"	CU100501.5018

### UNC – TiCN COATED – Reduced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	14	3	0.323"	0.242"	3.937"	CU109101.5012
1/2	13	3	0.367"	0.275"	4.331"	CU109101.5013
9/16	12	3	0.429"	0.322"	4.331"	CU109101.5014
5/8	11	3	0.480"	0.360"	4.331"	CU109101.5015
3/4	10	4	0.590"	0.442"	4.921"	CU109101.5016
7/8	9	4	0.697"	0.523"	5.512"	CU109101.5017
1	8	4	0.800"	0.600"	6.299"	CU109101.5018
<b>COOLANT-THRU</b>						
7/16	14	3	0.323"	0.242"	3.937"	CU959101.5012
1/2	13	3	0.367"	0.275"	4.331"	CU959101.5013
9/16	12	3	0.429"	0.322"	4.331"	CU959101.5014
5/8	11	3	0.480"	0.360"	4.331"	CU959101.5015
3/4	10	4	0.590"	0.442"	4.921"	CU959101.5016
7/8	9	4	0.697"	0.523"	5.512"	CU959101.5017
1	8	4	0.800"	0.600"	6.299"	CU959101.5018

For Materials and Speed Recommendations, see page 3.





- NT Surface Treatment or TiCN Coated
- Blind / Through Hole
- DIN Length / ANSI Shank
- C / 2-3 Chamfer Length
- 2BX Class of Fit

### UNF – NT SURFACE – Reinforced Shank\*

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
#0	80	2	0.141"	0.110"	1.626"	BU100501.5033
#1	72	2	0.141"	0.110"	1.772"	BU100501.5034
#2	64	3	0.141"	0.110"	1.772"	BU100501.5035
#3	56	3	0.141"	0.110"	1.969"	BU100501.5036
#4	48	3	0.141"	0.110"	2.205"	BU100501.5037
#5	44	3	0.141"	0.110"	2.205"	BU100501.5038
#6	40	3	0.141"	0.110"	2.205"	BU100501.5039
#8	36	3	0.168"	0.131"	2.48"	BU100501.5040
#10	32	3	0.194"	0.152"	2.756"	BU100501.5041
#12	28	3	0.220"	0.165"	3.15"	BU100501.5042
1/4	28	3	0.255"	0.191"	3.15"	BU100501.5043
5/16	24	3	0.318"	0.238"	3.543"	BU100501.5044
3/8	24	4	0.381"	0.286"	3.937"	BU100501.5045

### UNF –TiCN COATED – Reinforced Shank\*

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
#0	80	2	0.141"	0.110"	1.626"	BU109101.5033
#1	72	2	0.141"	0.110"	1.772"	BU109101.5034
#2	64	3	0.141"	0.110"	1.772"	BU109101.5035
#3	56	3	0.141"	0.110"	1.969"	BU109101.5036
#4	48	3	0.141"	0.110"	2.205"	BU109101.5037
#5	44	3	0.141"	0.110"	2.205"	BU109101.5038
#6	40	3	0.141"	0.110"	2.205"	BU109101.5039
#8	36	3	0.168"	0.131"	2.48"	BU109101.5040
#10	32	3	0.194"	0.152"	2.756"	BU109101.5041
#12	28	3	0.220"	0.165"	3.15"	BU109101.5042
1/4	28	3	0.255"	0.191"	3.15"	BU109101.5043
5/16	24	3	0.318"	0.238"	3.543"	BU109101.5044
3/8	24	4	0.381"	0.286"	3.937"	BU109101.5045

### UNF – NT SURFACE – Reduced Shank\*

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	20	4	0.323"	0.242"	3.937"	CU100501.5046
1/2	20	4	0.367"	0.275"	3.937"	CU100501.5047
9/16	18	4	0.429"	0.322"	3.937"	CU100501.5048
5/8	18	4	0.480"	0.360"	3.937"	CU100501.5049
3/4	16	4	0.590"	0.442"	4.331"	CU100501.5050
7/8	14	4	0.697"	0.523"	4.921"	CU100501.5051
1	12	4	0.800"	0.600"	5.512"	CU100501.5052

#### COOLANT-THRU

#10	32	3	0.194"	0.152"	2.756"	BU959101.5041
1/4	28	3	0.255"	0.191"	3.15"	BU959101.5043
5/16	24	3	0.318"	0.238"	3.543"	BU959101.5044
3/8	24	4	0.381"	0.286"	3.937"	BU959101.5045

### UNF – TiCN COATED – Reduced Shank\*

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	20	4	0.323"	0.242"	3.937"	CU109101.5046
1/2	20	4	0.367"	0.275"	3.937"	CU109101.5047
9/16	18	4	0.429"	0.322"	3.937"	CU109101.5048
5/8	18	4	0.480"	0.360"	3.937"	CU109101.5049
3/4	16	4	0.590"	0.442"	4.331"	CU109101.5050
7/8	14	4	0.697"	0.523"	4.921"	CU109101.5051
1	12	4	0.800"	0.600"	5.512"	CU109101.5052

#### COOLANT-THRU

7/16	20	4	0.323"	0.242"	3.937"	CU959101.5046
1/2	20	4	0.367"	0.275"	3.937"	CU959101.5047
9/16	18	4	0.429"	0.322"	3.937"	CU959101.5048
5/8	18	4	0.480"	0.360"	3.937"	CU959101.5049
3/4	16	4	0.590"	0.442"	4.331"	CU959101.5050
7/8	14	4	0.697"	0.523"	4.921"	CU959101.5051
1	12	4	0.800"	0.600"	5.512"	CU959101.5052

\* Reference tool drawings at bottom of page 4.

For Materials and Speed Recommendations, see page 3.

- NT Surface Treatment or TiCN Coated
- Blind / Through Hole
- DIN Length / DIN Shank
- C / 2-3 Chamfer Length
- 6HX Class of Fit



### METRIC – CARBIDE – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
<b>COOLANT-THRU</b>						
M 3	0.5 mm	3	3.5 mm	2.7 mm	56 mm	B1950901.0030
M 4	0.7 mm	3	4.5 mm	3.4 mm	63 mm	B1950901.0040
M 5	0.8 mm	3	6 mm	4.9 mm	70 mm	B1950901.0050
M 6	1 mm	3	6 mm	4.9 mm	80 mm	B1950901.0060
M 8	1.25 mm	3	8 mm	6.2 mm	90 mm	B1950901.0080
M 10	1.5 mm	3	10 mm	8 mm	100 mm	B1950901.0100

### METRIC – CARBIDE – Reduced Shank

M 12	1.75 mm	3	9 mm	7 mm	110 mm	C1950901.0112
M 14	2 mm	4	11 mm	9 mm	110 mm	C1950901.0114
M 16	2 mm	4	12 mm	9 mm	110 mm	C1950901.0116
M 18	2.5 mm	4	14 mm	11 mm	125 mm	C1950901.0118
M 20	2.5 mm	4	16 mm	12 mm	140 mm	C1950901.0120
M 22	2.5 mm	4	18 mm	14.5 mm	140 mm	C1950901.0122
M 24	3 mm	4	18 mm	14.5 mm	160 mm	C1950901.0124
M 27	3 mm	4	20 mm	16 mm	160 mm	C1950901.0127

### METRIC FINE – CARBIDE – Reinforced Shank

M 6	0.75 mm	3	6 mm	4.9 mm	80 mm	B1950901.0229
M 8	1 mm	3	8 mm	6.2 mm	90 mm	B1950901.0251
M 10	1 mm	4	10 mm	8 mm	90 mm	B1950901.0276
M 10	1.25 mm	3	10 mm	8 mm	100 mm	B1950901.0277

### METRIC FINE – CARBIDE – Reduced Shank

M 12	1.5 mm	4	9 mm	7 mm	100 mm	C1950901.0303
M 14	1.5 mm	4	11 mm	9 mm	100 mm	C1950901.0331
M 16	1.5 mm	4	12 mm	9 mm	100 mm	C1950901.0359
M 20	1.5 mm	4	16 mm	12 mm	125 mm	C1950901.0422

### METRIC FINE – NT SURFACE – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 3	0.35 mm	3	3.5 mm	2.7 mm	56 mm	B0100501.0202
M 4	0.5 mm	3	4.5 mm	3.4 mm	63 mm	B0100501.0210
M 5	0.5 mm	3	6 mm	4.9 mm	70 mm	B0100501.0218
M 6	0.75 mm	3	6 mm	4.9 mm	80 mm	B0100501.0229

### METRIC FINE – NT SURFACE – Reduced Shank

M 8	1 mm	3	6 mm	4.9 mm	90 mm	C0100501.0251
M 10	1 mm	4	7 mm	5.5 mm	90 mm	C0100501.0276
M 12	1.5 mm	4	9 mm	7 mm	100 mm	C0100501.0303
M 14	1.5 mm	4	11 mm	9 mm	100 mm	C0100501.0331
M 16	1.5 mm	4	12 mm	9 mm	100 mm	C0100501.0359
M 18	1.5 mm	4	14 mm	11 mm	110 mm	C0100501.0390
M 20	1.5 mm	4	16 mm	12 mm	125 mm	C0100501.0422

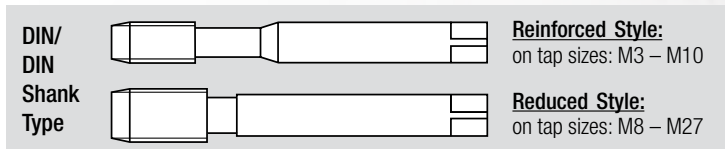
### METRIC FINE – TiCN COATED – Reduced Shank

M 8	1 mm	3	6 mm	4.9 mm	90 mm	C0109101.0251
M 10	1 mm	4	7 mm	5.5 mm	90 mm	C0109101.0276
M 10	1.25 mm	3	7 mm	5.5 mm	100 mm	C0109101.0277
M 12	1.5 mm	4	9 mm	7 mm	100 mm	C0109101.0303
M 14	1.5 mm	4	11 mm	9 mm	100 mm	C0109101.0331
M 16	1.5 mm	4	12 mm	9 mm	100 mm	C0109101.0359
M 18	1.5 mm	4	14 mm	11 mm	110 mm	C0109101.0390
M 20	1.5 mm	4	16 mm	12 mm	125 mm	C0109101.0422
M 22	1.5 mm	4	18 mm	14.5 mm	125 mm	C0109101.0438
M 24	1.5 mm	4	18 mm	14.5 mm	140 mm	C0109101.0452

### COOLANT-THRU

M 12	1.5 mm	4	9 mm	7 mm	100 mm	C1959101.0303
M 14	1.5 mm	4	11 mm	9 mm	100 mm	C1959101.0331
M 16	1.5 mm	4	12 mm	9 mm	100 mm	C1959101.0359
M 20	1.5 mm	4	16 mm	12 mm	125 mm	C1959101.0422

For Materials and Speed Recommendations, see page 3.





- NT Surface Treatment or TiCN Coated
- Blind / Through Hole
- DIN Length / DIN Shank
- C / 2-3 Chamfer Length
- 6HX Class of Fit

### METRIC – NT SURFACE – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 2	0.4 mm	3	2.8 mm	2.1 mm	45 mm	B0100501.0020
M 2.5	0.45 mm	3	2.8 mm	2.1 mm	50 mm	B0100501.0025
M 3	0.5 mm	3	3.5 mm	2.7 mm	56 mm	B0100501.0030
M 3.5	0.6 mm	3	4 mm	3 mm	56 mm	B0100501.0035
M 4	0.7 mm	3	4.5 mm	3.4 mm	63 mm	B0100501.0040
M 5	0.8 mm	3	6 mm	4.9 mm	70 mm	B0100501.0050
M 6	1 mm	3	6 mm	4.9 mm	80 mm	B0100501.0060
M 8	1.25 mm	3	8 mm	6.2 mm	90 mm	B0100501.0080
M 10	1.5 mm	3	10 mm	8 mm	100 mm	B0100501.0100

### METRIC – TiCN COATED – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 2	0.4 mm	3	2.8 mm	2.1 mm	45 mm	B0109101.0020
M 2.5	0.45 mm	3	2.8 mm	2.1 mm	50 mm	B0109101.0025
M 3	0.5 mm	3	3.5 mm	2.7 mm	56 mm	B0109101.0030
M 3.5	0.6 mm	3	4 mm	3 mm	56 mm	B0109101.0035
M 4	0.7 mm	3	4.5 mm	3.4 mm	63 mm	B0109101.0040
M 5	0.8 mm	3	6 mm	4.9 mm	70 mm	B0109101.0050
M 6	1 mm	3	6 mm	4.9 mm	80 mm	B0109101.0060
M 8	1.25 mm	3	8 mm	6.2 mm	90 mm	B0109101.0080
M 10	1.5 mm	3	10 mm	8 mm	100 mm	B0109101.0100

### METRIC – NT SURFACE – Reduced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 12	1.75 mm	3	9 mm	7 mm	110 mm	C0100501.0112
M 14	2 mm	3	11 mm	9 mm	110 mm	C0100501.0114
M 16	2 mm	3	12 mm	9 mm	110 mm	C0100501.0116
M 20	2.5 mm	4	16 mm	12 mm	140 mm	C0100501.0120
M 24	3 mm	4	18 mm	14.5 mm	160 mm	C0100501.0124

### COOLANT-THRU

M 5	0.8 mm	3	6 mm	4.9 mm	70 mm	B1959101.0050
M 6	1 mm	3	6 mm	4.9 mm	80 mm	B1959101.0060
M 8	1.25 mm	3	8 mm	6.2 mm	90 mm	B1959101.0080
M 10	1.5 mm	3	10 mm	8 mm	100 mm	B1959101.0100

### METRIC – TiCN COATED – Reduced Shank

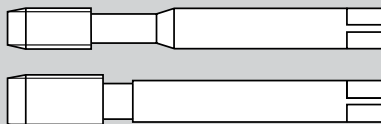
M 12	1.75 mm	3	9 mm	7 mm	110 mm	C0109101.0112
M 14	2 mm	3	11 mm	9 mm	110 mm	C0109101.0114
M 16	2 mm	3	12 mm	9 mm	110 mm	C0109101.0116
M 20	2.5 mm	4	16 mm	12 mm	140 mm	C0109101.0120
M 24	3 mm	4	18 mm	14.5 mm	160 mm	C0109101.0124

### COOLANT-THRU

M 12	1.75 mm	3	9 mm	7 mm	110 mm	C1959101.0112
M 14	2 mm	3	11 mm	9 mm	110 mm	C1959101.0114
M 16	2 mm	3	12 mm	9 mm	110 mm	C1959101.0116
M 20	2.5 mm	4	16 mm	12 mm	140 mm	C1959101.0120

For Materials and Speed Recommendations, see page 3.

DIN/  
DIN  
Shank  
Type



**Reinforced Style:**  
on tap sizes: M2 – M10

**Reduced Style:**  
on tap sizes: M12 – M24



- TiCN coating
- Blind / Through Hole
- DIN Length / ANSI Shank (UNC, UNF)  
DIN Length / DIN Shank (M, MF)
- C / 2-3 Chamfer Length
- 2BX Class of Fit

### UNC – TiCN COATED – Reinforced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
1/4	20	4	0.255"	0.191"	3.15"	BU10J901.5009
5/16	18	5	0.318"	0.238"	3.543"	BU10J901.5010
3/8	16	5	0.381"	0.286"	3.937"	BU10J901.5011

### UNC – TiCN COATED – Reduced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	14	5	0.323"	0.242"	3.937"	CU10J901.5012
1/2	13	5	0.367"	0.275"	4.331"	CU10J901.5013

### UNF – TiCN COATED – Reinforced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
1/4	28	4	0.255"	0.191"	3.15"	BU10J901.5043
5/16	24	5	0.318"	0.238"	3.543"	BU10J901.5044
3/8	24	5	0.381"	0.286"	3.937"	BU10J901.5045

### UNF – TiCN COATED – Reduced Shank

Size	T.P.I.	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
7/16	20	5	0.323"	0.242"	3.937"	CU10J901.5046
1/2	20	5	0.367"	0.275"	3.937"	CU10J901.5047

### METRIC – TiCN COATED – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 6	1 mm	4	6 mm	4.9 mm	80 mm	B010J901.0060
M 8	1.25 mm	5	8 mm	6.2 mm	90 mm	B010J901.0080
M 10	1.5 mm	5	10 mm	8 mm	100 mm	B010J901.0100

### METRIC – TiCN COATED – Reduced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 12	1.75 mm	5	9 mm	7 mm	110 mm	C010J901.0112
M 16	2 mm	6	12 mm	9 mm	110 mm	C010J901.0116
M 20	2.5 mm	7	16 mm	12 mm	140 mm	C010J901.0120

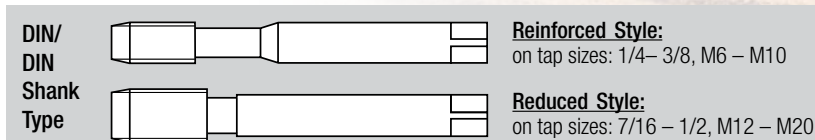
### METRIC FINE – TiCN COATED – Reinforced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 8	1 mm	5	8 mm	6.2 mm	90 mm	B010J901.0251
M 10	1 mm	5	10 mm	8 mm	90 mm	B010J901.0276

### METRIC FINE – TiCN COATED – Reduced Shank

Size	P	# Flutes	Shank Dia.	Square Width	OAL	EDP No.
M 12	1.5 mm	5	9 mm	7 mm	100 mm	C010J901.0303
M 14	1.5 mm	6	11 mm	9 mm	100 mm	C010J901.0331
M 16	1.5 mm	6	12 mm	9 mm	100 mm	C010J901.0359

For Materials and Speed Recommendations, see page 3.







**Emuge offers tool grinding/reconditioning services for Emuge taps, drills and end mills, in addition to other brands of carbide drills and carbide end mills.**

Reconditioning your Emuge tools through Emuge makes sense. Emuge has the knowledge and manufacturing expertise to refurbish an Emuge tool to its original condition and specification, providing maximum performance levels, predictable operation, and longer life for a modest investment.



Rugged protective containers for shipping tools and individual or bulk packaging provided as needed.

### Emuge Reconditioning includes:

- Complete inspection and quotation.
- Complete regrinding to the original geometry of the tool.
- Reconditioning of Emuge Taps.
- Reconditioning of Emuge Drills and End Mills, or other brands of drills and end mills.
- Corner radius, Weldon flats and other modifications to standard end mills.
- PVD Coatings via state-of-the-art coating system.
- Prompt delivery of reground tools.

### Reconditioning examples – Taps



# EMUGE

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- Additional capacity to domestically manufacture special solid carbide tooling and other standard solutions within Emuge's milling tools portfolio.

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**Emuge Corp. has been the product technology and performance leader in its field for 100 years.** Emuge manufactures an extensive line of taps, drills, thread mills, end mills, toolholders, clamping devices and other rotary cutting tools, over 40,000 items sold through distributors worldwide.