

Tungaloy

Member IMC Group

SPECIAL

Promo # 2010-4

OFFER

Valid only July 1st ~ December 30th 2010

**Start with
Tungaloy...**

TUNGQUAD



Over 1/2 Off

on select items.

**10 Inserts & 1 Cutter*

**Stream Jet Bar
MINI**

**10 Inserts & 1 Boring Bar*

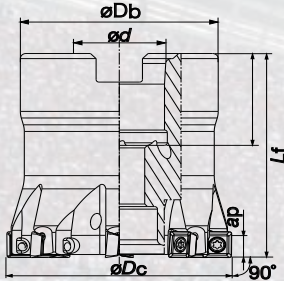
**To
Finish with the best!!!**

Special Offer: 10 Inserts and 1 Cutter

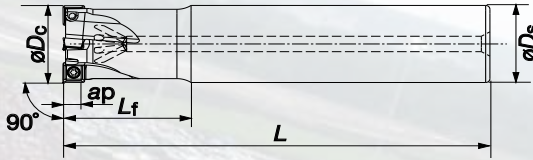
Contact your Local Tungaloy Distributor for pricing.

Highly efficient small diameter cutter

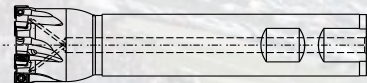
Shell Mill



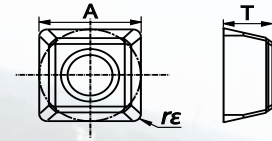
Endmill straight



weldon



Insert



Max. ap = .157"

Description	Item Number
Clamping Screw	CSPB-2L043
Wrench (Substitution Wrench)	IP-6DB (IP-6D)

Shell Mill

Item Number	Stock	No. of Teeth	Dimensions (in)				Coolant Hole	Coolant thru Center Bolt (optional)
			øDc	øDb	ød	Lf		
TPD05R150U0075A08	●	8	1.5	1.46	0.75	1.57	With	(C0.375x1.125H)
TPD05R200U0075A10	●	10	2	1.75	0.75	1.57	With	(C0.375x1.125H)

Endmill Style

Item Number	Stock	No. of Teeth	Dimensions (in)				Shank Type	Coolant Hole
			Dc	Ds	Lf	L		
EPD05R050U0050-02	●	2	0.500	0.500	1.22	3.00	Straight	With
EPD05R063U0063-03	●	3	0.625	0.625	1.50	3.50	Straight	With
EPD05R075U0075W04	●	4	0.75	0.75	1.72	3.75	Weldon	With
EPD05R100U0100W05	●	5	1.00	1.00	1.72	4.00	Weldon	With
EPD05R125U100W06	●	6	1.25	1.00	1.72	4.00	Weldon	With

Insert

Item Number	Accuracy	Honing	Stock			Dimensions (in)			Cutter
			Coated Grades		Un-Coated Carbide	A	T	rε	
			AH725	AH140	TH10				
SDMT050204PN-MJ	M	With	●	●		.200	.094	.015	TPD05...
SDHT050204FN-AJ	H	Without			●	.200	.094	.015	EPD05...

Standard cutting conditions

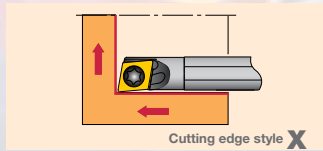
Work Material	Brinell hardness HB	Grades	Vc (SFM)	fz (ipt)
Low carbon steels (1015)	~ 200	AH725	750 - 900 - 1050	.0015 - .003 - .004
High carbon steels (1045, 1055 ect.)	200 ~ 300		500 - 600 - 750	
Alloy steels (4140)	150 ~ 300		350 - 400 - 440	
Tool steels	~ 300	AH140	330 - 500 - 650	.001 - .002 - .0035
Stainless steels (304,316 etc.)	-	AH725	650 - 820 - 980	.002 - .003 - .005
Grey cast irons	150 ~ 250	TH10	1150 - 1300 - 1600	.002 - .006 - .006
Ductile cast irons			330 - 500 - 650	
Aluminium alloys (Si < 13%)	-	AH725	80 - 130	.001 - .003
Aluminium alloys (Si ≥ 13%)	-			
Nickel Alloys	-			

Stream Jet Bars **MINI**

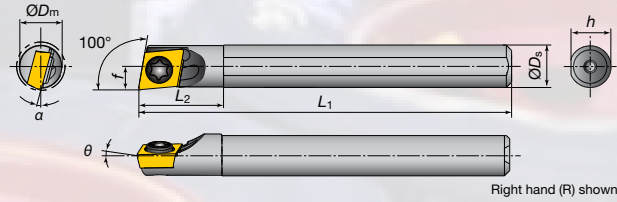
Special Offer: 10 Inserts and 1 Boring Bar

Contact your Local Tungaloy Distributor for pricing.

Highly rigid Boring Bar w/ excellent chip evacuation



SEXPR/L



Steel Shank

Toolholder	Stock		Min. Bore dia ØDm	Dimensions (mm)								Using Std Corner Radius rε	Applicable Inserts	Screw	Wrench
	R	L		ØDs	f	L1	L2	h	f2	θ	α				
A04F-SEXPR/L03-D045	●	●	4.5	4	2.3	80	8	3.8	-	0°	-15°	0.2	EP□□03X1	CSTA-1.6	T-6F
A04F-SEXPR/L03-D050	●	●	5	4	2.5	80	8	3.8	-	0°	-13°				
A05F-SEXPR/L04-D055	●	●	5.5	5	2.75	80	9	4.8	-	0°	-12°	0.4	EP□□0401	CSTB-2	
A06G-SEXPR/L04-D070	●	●	7	6	3.6	90	11	5.75	-	0°	-12°				

Carbide Shank

Toolholder	Stock		Min. Bore dia ØDm	Dimensions (mm)								Using Std Corner Radius rε	Applicable Inserts	Screw	Wrench
	R	L		ØDs	f	L1	L2	h	f2	θ	α				
E04G-SEXPR/L03-D045	●	●	4.5	4	2.3	90	9	3.8	-	0°	-15°	0.2	EP□□03X1	CSTA-1.6	T-6F
E04G-SEXPR/L03-D050	●	●	5	4	2.5	90	9	3.8	-	0°	-13°				
E05G-SEXPR/L04-D055	●	●	5.5	5	2.75	90	10	4.8	-	0°	-12°	0.4	EP□□0401	CSTB-2	
E06H-SEXPR/L04-D070	●	●	7	6	3.6	100	12	5.75	-	0°	-12°				

Note: BLM Style Boring Bar Sleeves are sold separately.

See more info in the SJB mini Technical Brochure USA#020

(SJB) Inserts for small diameter applications

75° Rhombic, 11° positive with hole

Application	Chipbreaker	Insert Cat. No. (Metric)	Dimensions (mm)				Grades				
	Appearance (Cross section)		I.C. dia.	Thickness	Hole dia.(Ø)	Corner radius	Coated		Cermet	Un-Coated Carbide	
							SH730	GH110	NS530	TH10	
Finishing	 W08	EPGT03X100R-W08	3.57	1.39	1.9	0.03	●			●	
		EPGT03X100L-W08					●			●	
		EPGT03X101R-W08					●			●	
		EPGT03X101L-W08					●			●	
		EPGT03X102R-W08					●			●	
		EPGT03X102L-W08					●			●	
		EPGT03X104R-W08					●			●	
		EPGT03X104L-W08					●			●	
		EPGT040100R-W08	3.97	1.59	2.3	0.03	●		●	●	●
		EPGT040100L-W08					●		●	●	
		EPGT040101R-W08					●		●	●	
		EPGT040101L-W08					●		●	●	
		EPGT040102R-W08					●		●	●	
		EPGT040102L-W08					●		●	●	
		EPGT040104R-W08					●		●	●	
		EPGT040104L-W08					●		●	●	

Note: No returns on Special Offers

When using a right or left hand insert, the right hand insert (R) is used for the left hand toolholders (SEXPL □□ type), and the left hand insert (L) is used for the right hand toolholders (SEXPR □□ type).

Tungaloy America, Inc.

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**New Address Late
Summer 2010*

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