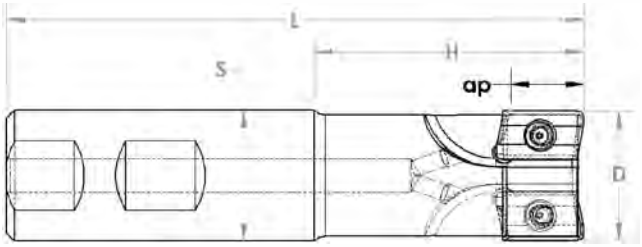
Square Shoulder Milling

DAYTON TOOL LTD

207 - 1655 Broadway Street
Port Coquitlam, BC
ph: 604-464-0223
www.daytontoolltd.ca
sales@daytontoolltd.ca

Square Shoulder End Mill

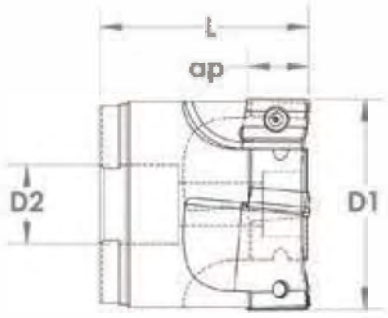
- Standard coolant thru Weldon shank bodies ONLY
- Inserts feature high positive geometry for aggressive material removal rates with lower horsepower consumption and strong edge prep for heavy chip loads
- Applications: Facing, milling, slotting, helical interpolation, roughing, pocketing, profiling



Square Shoulder End Mill

Part Number	EDP Number	"D"	Flutes	Shank	"L"	H	List	Insert
End Mills								
SSEM0625-0750-3502	12001PL	0.625	2	0.750	3.500	1.469	$132.00	APMT/APGT 11
SSEM0750-0750-3502	12002PL	0.750	2	0.750	3.500	1.469	$156.00	APMT/APGT 11
SSEM1000-1000-6302	12003PL	1.000	2	1.000	4.300	2.011	$180.00	APMT/APGT 16
SSEM1000-1000-3503	12006PL	1.000	3	1.000	4.300	2.019	$204.00	APMT/APGT 11
SSEM1250-1000-6303	12004PL	1.250	3	1.000	4.300	2.019	$228.00	APMT/APGT 16
SSEM1500-1000-6303	12005PL	1.500	3	1.000	4.300	2.019	$252.00	APMT/APGT 16

Square Shoulder Shell Mill

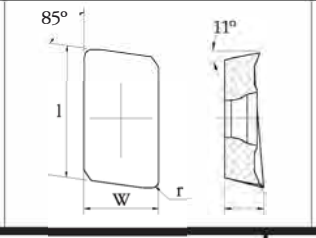


Square Shoulder Shell Mill

Part Number	EDP Number	"D"	Flutes	Shank	"L"	List	Insert
Face Mills							
SSEM2000-0750-3506	12012PL	2.000	6	0.750	1.500	$270.00	APMT/APGT 11
SSEM3000-1000-6306	12014PL	3.000	6	1.000	2.250	$402.00	APMT/APGT 16
SSEM4000-1000-6307	12015PL	4.000	7	1.000	2.250	$455.00	APMT/APGT 16
SSEM6000-1500-6308	12017PL	6.000	8	1.500	2.500	$585.00	APMT/APGT 16

SQUARE SHOULDER MILLING

APMT



Widely used inserts for square shoulder endmilling and facemilling applications. Two cutting edges with smooth free cutting action.

PL: Light cutting with lowest cutting forces
PM: Medium machining with broad application range
PR: Roughing with highest edge security

APPLICATION	ITEM	CATALOG NUMBER	DIMENSIONS (INCH)				CUTTING DATA (INCH)		P M K S	INSERT LIST (Price)	SCREW	SCREW LIST (Price)
			l	W	s	r	depth of cut, a_p	feed per insert, f_z	MULTI-MATERIAL GA4230			
LIGHT		APMT 113508PDER-PL	.430	.244	.135	.031	max .225	.002 - .006	★	$7.44	F663	$3.940
MEDIUM		APMT 113508PDER-PM	.430	.244	.135	.031	max .225	.003 - .008	★	$7.44	F663	$3.940
HEAVY		APMT 113508PDER-PR	.430	.244	.135	.031	max .225	.006 - .012	★	$7.44	F663	$3.940
ALUMINUM		APGT 113508PDFR-AL	.430	.244	.135	.031	max .225	.006 - .012	GN9125 Aluminum/ Non-ferrous High Polish	$9.72	F663	$3.940
LIGHT		APMT 160408PDER-PL	.640	.364	.187	.031	max .551	.002 - .006	★	$9.42	F899	$3.940
MEDIUM		APMT 160408PDER-PM	.640	.364	.187	.031	max .551	.003 - .008	★	$9.42	F899	$3.940
		APMT 160416PDER-PM	.640	.364	.187	.062	max .551	.003 - .008				
HEAVY		APMT 160408PDER-PR	.640	.364	.187	.031	max .551	.006 - .012	★	$9.42	F899	$3.940
ALUMINUM		APGT 160408PDFR-AL	.640	.364	.187	.031	max .551	.006 - .012	GN9125 Aluminum/ Non-ferrous High Polish	$12.35	F899	$3.940

Ordering Example: 20 pcs APMT 160408PDER-PR GA4230

Grade GA4230

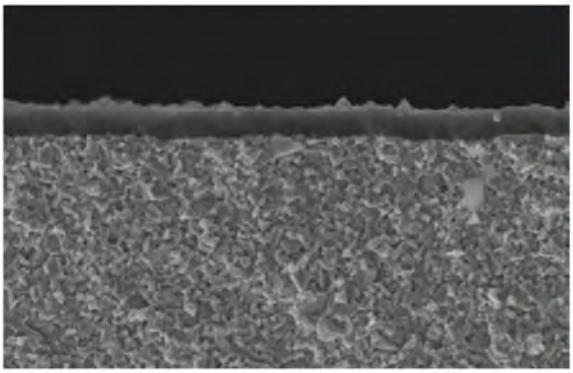
Superior Milling Performance in a Wide Range of Applications

Outstanding results in Steels, Stainless Steels, Cast Iron and Heat-Resistant Super Alloys

Withstands difficult cutting conditions – varying depths of cut, weak and unstable setups, vibrations

GA4230 - Advanced Substrate Development

- Homogeneous submicron grain structure
- Specialized processing treatment provides exceptional fracture-resistant properties and superior wear resistance
- Stable performance under a wide range of machining conditions



GA4230 - Next Generation Coating Technology

- New TiAlN+ Advanced PVD Coating
- Outstanding wear resistance properties and long tool life through improved microstructure and surface treatment
- Increased adhesion strength to substrate provides predictable tool life and reliable performance
- Effective in HRSA's and other difficult-to-machine materials due to high heat resistance and oxidation resistance characteristics

WORKPIECE MATERIAL	ANSI	ISO	Coating Type: PVD
P Steel	C8	01	
	C7	10	
	C6	20	GA4230
		30	
		40	
M Stainless Steel	–	01	
	–	10	GA4230
	–	20	
	–	30	
K Cast Iron	C4	01	
	C3	10	GA4230
	C2	20	
	C1	30	
S Heat-Resistant Super Alloys	–	01	
	–	10	GA4230
	–	20	
	–	30	

wear resistance ↕ toughness

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