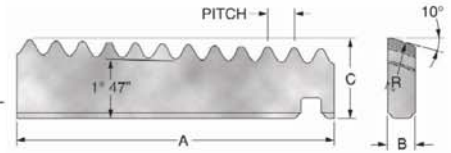


SOLID CARBIDE FORM GROUND REPLACEABLE INSERTS

American Petroleum Institute Round (API) Threads



AMERICAN PETROLEUM INSTITUTE ROUND (API) THREADS

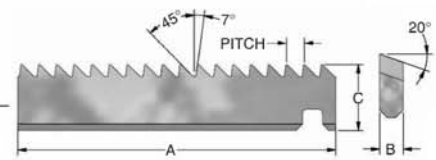
Dimensions in Inches

Part Number	Pitch	Flank Angle	Measurements			Clearance Angle	Coatings Available		
			A	B	C		Uncoated	Z TiAlN	V Hardmill
ATM-410A8API	8API	60	1.500	0.130	0.375	10	O	X	O
ATM-410A10API	10API	60	1.500	0.130	0.375	10	O	X	O

X = In Stock ; O = Special Order ; Other Coatings Available

SOLID CARBIDE FORM GROUND REPLACEABLE INSERTS

American Buttress Threads (Internal/External)



AMERICAN BUTTRESS THREADS (INTERNAL/EXTERNAL)

Dimensions in Inches

Part Number	Pitch	Flank Angle	Measurements			Clearance Angle	Coatings Available		
			A	B	C		Uncoated	Z TiAlN	V Hardmill
ATM-6B-7/45	6BUTT	52	1.500	0.130	0.375	10	O	X	O
ATM-8B-7/45	8BUTT	52	1.500	0.130	0.375	10	O	X	O
ATM-10B-7/45	10BUTT	52	1.500	0.130	0.310	10	O	X	O
ATM-12B-7/45	12BUTT	52	1.500	0.130	0.310	10	O	X	O
ATM-16B-7/45	16BUTT	52	1.500	0.130	0.310	10	O	X	O
ATM-20B-7/45	20BUTT	52	1.500	0.130	0.310	10	O	X	O

X = In Stock ; O = Special Order ; Other Coatings Available

For Buttress Thread Inserts 6 - 20 pitch use Standard Replaceable Insert Thread Mill Tools (Insert Style ATM-410A)

For Buttress Thread Inserts 1 - 5 pitch use Special Holder for each Buttress Thread Pitch

Insert Style ATM-38A & ATM-38B available upon request

Coarse Pitch & Different Flank Angle Buttress Thread Form available upon request