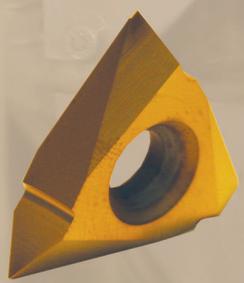
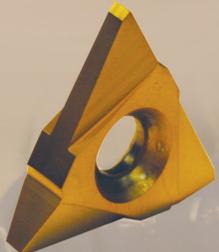


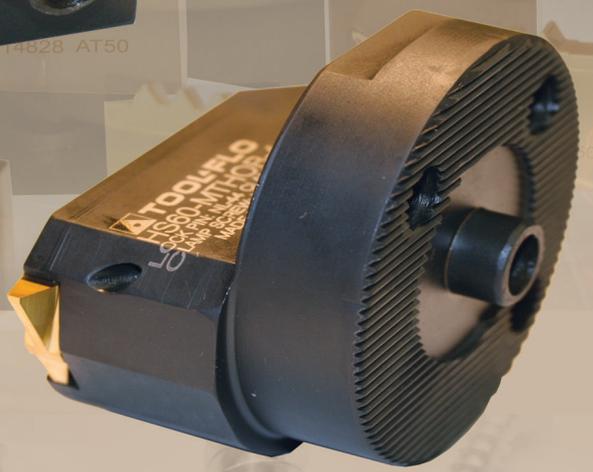


# TOOL-FLO



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TF22675 G50

TOOL-FLO  
CR-8R-3E  
TF19310 AT50

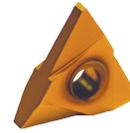
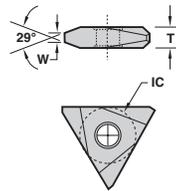


## ON EDGE

# ON-EDGE



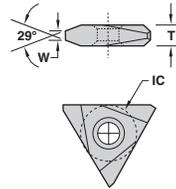
## ACME TNMA Straight hole



Description	EDP Code	TPI	W	IC	T	Uncoated		TIN Coated		AITIN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TNMA 32 NT 6P	0208060	6	.0566	.375	.127	●	●				
TNMA 32 NT 8P	0208080	8	.0411	.375	.127	●	●				
TNMA 32 NT 10P	0208100	10	.0319	.375	.127			●			
TNMA 32 NT 12P	0208120	12	.0283	.375	.127			●			
TNMA 32 NT 14P	0208140	14	.0239	.375	.127			●			
TNMA 32 NT 16P	0208160	16	.0206	.375	.127			●			
TNMA 43 NT 4P	0239040	4	.0875	.500	.189			●			
TNMA 43 NT 5P	0239050	5	.0689	.500	.189			●			
TNMA 43 NT 6P	0239060	6	.0566	.500	.189			●			
TNMA 43 NT 8P	0239080	8	.0411	.500	.189			●			
TNMA 43 NT 10P	0239100	10	.0319	.500	.189			●			
TNMA 43 NT 12P	0239120	12	.0283	.500	.189			●			
TNMA 43 NT 14P	0239140	14	.0239	.500	.189			●			
TNMA 43 NT 16P	0239160	16	.0206	.500	.189			●			
TNMA 54 NT 3P	0251030	3	.1184	.625	.252			●			
TNMA 54 NT 4P	0251040	4	.0875	.625	.252			●			
TNMA 54 NT 5P	0251050	5	.0689	.625	.252			●			
TNMA 55 NT 2.5P	02550250	2.5	.1431	.625	.312			●			
TNMA 66 NT 2P	0279020	2	.1802	.750	.375			●			

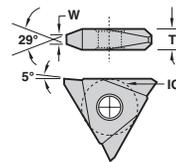
\*Acme threads provided with sharp corners - radius available on a quotation basis.

## TNMC Countersink hole



Description	EDP Code	TPI	W	IC	T	Uncoated		TIN Coated		AITIN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TNMC 32 NT 6P	0209060	6	.0566	.375	.127			●			
TNMC 32 NT 8P	0209080	8	.0411	.375	.127			●			
TNMC 32 NT 10P	0209100	10	.0319	.375	.127			●			
TNMC 32 NT 12P	0209120	12	.0283	.375	.127			●			
TNMC 32 NT 14P	0209140	14	.0239	.375	.127			●			
TNMC 32 NT 16P	0209160	16	.0206	.375	.127			●			
TNMC 43 NT 4P	0241040	4	.0875	.500	.189			●			
TNMC 43 NT 5P	0241050	5	.0689	.500	.189			●			
TNMC 43 NT 6P	0241060	6	.0566	.500	.189			●			
TNMC 43 NT 8P	0241080	8	.0411	.500	.189			●			
TNMC 43 NT 10P	0241100	10	.0319	.500	.189			●			
TNMC 43 NT 12P	0241120	12	.0283	.500	.189			●			
TNMC 43 NT 14P	0241140	14	.0239	.500	.189			●			
TNMC 43 NT 16P	0241160	16	.0206	.500	.189			●			
TNMC 54 NT 3P	0253030	3	.1184	.625	.252			●			
TNMC 54 NT 4P	0253040	4	.0875	.625	.252			●			
TNMC 54 NT 5P	0253050	5	.0689	.625	.252			●			
TNMC 55 NT 2.5P	02560250	2.5	.1431	.625	.312			●			
TNMC 66 NT 2P	0280020	2	.1802	.750	.375	●		●			

## TPMA Straight hole - Positive Rake



Description	EDP Code	TPI	W	IC	T	Uncoated		TIN Coated		AITIN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TPMA 32 NT 6P	0210060	6	.0566	.375	.127					●	
TPMA 32 NT 8P	0210080	8	.0411	.375	.127					●	
TPMA 32 NT 10P	0210100	10	.0319	.375	.127					●	
TPMA 32 NT 12P	0210120	12	.0283	.375	.127					●	
TPMA 43 NT 4P	0240040	4	.0875	.500	.189					●	
TPMA 43 NT 5P	0240050	5	.0689	.500	.189					●	
TPMA 43 NT 6P	0240060	6	.0566	.500	.189					●	
TPMA 43 NT 8P	0240080	8	.0411	.500	.189					●	

\*Acme threads provided with sharp corners - radius available on a quotation basis.

In an effort to improve our stock standard grade offering, there are periodic changes. Please see current price list for up to date grade offering.

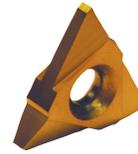
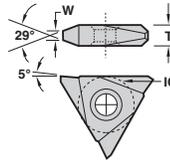
- High performance choice in optimal conditions.
- ▲ Recommended grade under general conditions.

Cast Iron											●
Non-Ferrous											●
Stainless/High Temp											●
Steel										▲	●



**ACME**  
**TPMC**

Countersink hole - Positive Rake

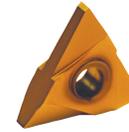
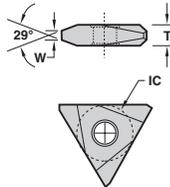


Description	EDP Code	TPI	W	IC	T	Coating							
						C3	C6H	GP3	GP50	AC3	AC50		
TPMC 32 NT 6P	0211060	6	.0566	.375	.127								
TPMC 32 NT 8P	0211080	8	.0411	.375	.127								
TPMC 32 NT 10P	0211100	10	.0319	.375	.127								
TPMC 32 NT 12P	0211120	12	.0283	.375	.127								
TPMC 43 NT 4P	0242040	4	.0875	.500	.189								
TPMC 43 NT 5P	0242050	5	.0689	.500	.189								
TPMC 43 NT 6P	0242060	6	.0566	.500	.189								
TPMC 43 NT 8P	0242080	8	.0411	.500	.189								

**STUB ACME**

**TNMA**

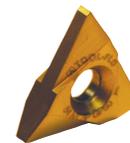
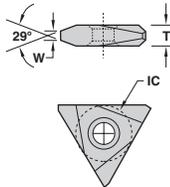
Straight hole



Description	EDP Code	TPI	W	IC	T	Coating							
						C3	C6H	GP3	GP50	AC3	AC50		
TNMA 32 NT 6P STUB	0208061	6	.0652	.375	.127								
TNMA 32 NT 8P STUB	0208081	8	.0476	.375	.127								
TNMA 32 NT 10P STUB	0208101	10	.0370	.375	.127								
TNMA 32 NT 12P STUB	0208121	12	.0326	.375	.127								
TNMA 32 NT 14P STUB	0208141	14	.0276	.375	.127								
TNMA 32 NT 16P STUB	0208161	16	.0238	.375	.127								
TNMA 43 NT 4P STUB	0239041	4	.1004	.500	.189								
TNMA 43 NT 5P STUB	0239051	5	.0793	.500	.189								
TNMA 43 NT 6P STUB	0239061	6	.0652	.500	.189								
TNMA 43 NT 8P STUB	0239081	8	.0476	.500	.189								
TNMA 43 NT 10P STUB	0239101	10	.0370	.500	.189								
TNMA 43 NT 12P STUB	0239121	12	.0326	.500	.189								
TNMA 43 NT 14P STUB	0239141	14	.0276	.500	.189								
TNMA 43 NT 16P STUB	0239161	16	.0238	.500	.189								
TNMA 54 NT 3P STUB	0251031	3	.1356	.625	.252								
TNMA 54 NT 4P STUB	0251041	4	.1004	.625	.252								
TNMA 54 NT 5P STUB	0251051	5	.0793	.625	.252								
TNMA 55 NT 2.5P STUB	02550251	2.5	.1638	.625	.312								
TNMA 66 NT 2P STUB	0279021	2	.2060	.750	.375								

**TNMC**

Countersink hole



Description	EDP Code	TPI	W	IC	T	Coating							
						C3	C6H	GP3	GP50	AC3	AC50		
TNMC 32 NT 6P STUB	0209061	6	.0652	.375	.127								
TNMC 32 NT 8P STUB	0209081	8	.0476	.375	.127								
TNMC 32 NT 10P STUB	0209101	10	.0370	.375	.127								
TNMC 32 NT 12P STUB	0209121	12	.0326	.375	.127								
TNMC 32 NT 14P STUB	0209141	14	.0276	.375	.127								
TNMC 32 NT 16P STUB	0209161	16	.0238	.375	.127								
TNMC 43 NT 4P STUB	0241041	4	.1004	.500	.189								
TNMC 43 NT 5P STUB	0241051	5	.0793	.500	.189								
TNMC 43 NT 6P STUB	0241061	6	.0652	.500	.189								
TNMC 43 NT 8P STUB	0241081	8	.0476	.500	.189								
TNMC 43 NT 10P STUB	0241101	10	.0370	.500	.189								
TNMC 43 NT 12P STUB	0241121	12	.0326	.500	.189								
TNMC 43 NT 14P STUB	0241141	14	.0276	.500	.189								
TNMC 43 NT 16P STUB	0241161	16	.0238	.500	.189								
TNMC 54 NT 3P STUB	0253031	3	.1356	.625	.252								
TNMC 54 NT 4P STUB	0253041	4	.1004	.625	.252								
TNMC 54 NT 5P STUB	0253051	5	.0793	.625	.252								
TNMC 66 NT 2P STUB	0280021	2	.2060	.750	.375								

In an effort to improve our stock standard grade offering, there are periodic changes. Please see current price list for up to date grade offering.

- High performance choice in optimal conditions.
- ▲ Recommended grade under general conditions.

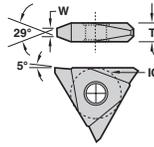
Material	C3	C6H	GP3	GP50	AC3	AC50
Cast Iron						●
Non-Ferrous						●
Stainless/High Temp						●
Steel						▲



## STUB ACME

### TPMA

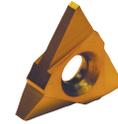
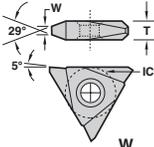
Straight hole - Positive Rake



Description	EDP Code	TPI	W	IC	T	Uncoated		TiN Coated		AlTiN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TPMA 32 NT 6P STUB	0210061	6	.0652	.375	.127					●	●
TPMA 32 NT 8P STUB	0210081	8	.0476	.375	.127					●	●
TPMA 32 NT 10P STUB	0210101	10	.0370	.375	.127					●	●
TPMA 32 NT 12P STUB	0210121	12	.0326	.375	.127					●	●
TPMA 43 NT 4P STUB	0240041	4	.1004	.500	.189					●	●
TPMA 43 NT 5P STUB	0240051	5	.0793	.500	.189					●	●
TPMA 43 NT 6P STUB	0240061	6	.0652	.500	.189					●	●
TPMA 43 NT 8P STUB	0240081	8	.0476	.500	.189					●	●

### TPMC

Countersink hole - Positive Rake

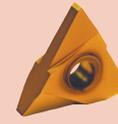
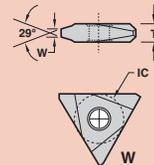


Description	EDP Code	TPI	W	IC	T	Uncoated		TiN Coated		AlTiN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TPMC 32 NT 6P STUB	0211061	6	.0652	.375	.127					●	●
TPMC 32 NT 8P STUB	0211081	8	.0476	.375	.127					●	●
TPMC 32 NT 10P STUB	0211101	10	.0370	.375	.127					●	●
TPMC 32 NT 12P STUB	0211121	12	.0326	.375	.127					●	●
TPMC 43 NT 4P STUB	0242041	4	.1004	.500	.189					●	●
TPMC 43 NT 5P STUB	0242051	5	.0793	.500	.189					●	●
TPMC 43 NT 6P STUB	0242061	6	.0652	.500	.189					●	●
TPMC 43 NT 8P STUB	0242081	8	.0476	.500	.189					●	●

## PARTIAL TOPPING ACME

### TNMA (with corner radii)

Straight hole

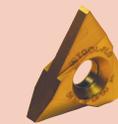
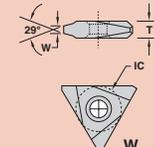


Description	EDP Code	TPI	W	IC	T	Uncoated		TiN Coated		AlTiN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TNMA 32 NT 6P-PT	0208060PT	6	.0566	.375	.127	●	●		●	●	●
TNMA 32 NT 8P-PT	0208080PT	8	.0411	.375	.127				●	●	●
TNMA 32 NT 10P-PT	0208100PT	10	.0319	.375	.127			●	●	●	●
TNMA 32 NT 12P-PT	0208120PT	12	.0283	.375	.127				●	●	●
TNMA 32 NT 14P-PT	0208140PT	14	.0239	.375	.127				●	●	●
TNMA 32 NT 16P-PT	0208160PT	16	.0206	.375	.127				●	●	●
TNMA 43 NT 4P-PT	0239040PT	4	.0875	.500	.189			●	●	●	●
TNMA 43 NT 5P-PT	0239050PT	5	.0689	.500	.189			●	●	●	●
TNMA 43 NT 6P-PT	0239060PT	6	.0566	.500	.189			●	●	●	●
TNMA 43 NT 8P-PT	0239080PT	8	.0411	.500	.189			●	●	●	●
TNMA 43 NT 10P-PT	0239100PT	10	.0319	.500	.189			●	●	●	●
TNMA 43 NT 12P-PT	0239120PT	12	.0283	.500	.189			●	●	●	●
TNMA 43 NT 14P-PT	0239140PT	14	.0239	.500	.189			●	●	●	●
TNMA 43 NT 16P-PT	0239160PT	16	.0206	.500	.189			●	●	●	●
TNMA 54 NT 3P-PT	0251030PT	3	.1184	.625	.252			●	●	●	●
TNMA 54 NT 4P-PT	0251040PT	4	.0875	.625	.252			●	●	●	●
TNMA 54 NT 5P-PT	0251050PT	5	.0689	.625	.252			●	●	●	●
TNMA 55 NT 2.5P-PT	02550250PT	2.5	.1431	.625	.312			●	●	●	●
TNMA 66 NT 2P-PT	0279020PT	2	.1802	.750	.375			●	●	●	●

\*Acme threads provided with sharp corners - radius available on a quotation basis.

### TNMC (with corner radii)

Countersink hole



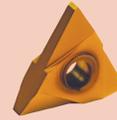
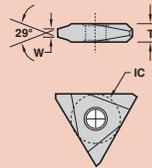
Description	EDP Code	TPI	W	IC	T	Uncoated		TiN Coated		AlTiN Coated	
						C3	C6H	GP3	GP50	AC3	AC50
TNMC 32 NT 6P-PT	0209060PT	6	.0566	.375	.127			●	●	●	●
TNMC 32 NT 8P-PT	0209080PT	8	.0411	.375	.127			●	●	●	●
TNMC 32 NT 10P-PT	0209100PT	10	.0319	.375	.127			●	●	●	●
TNMC 32 NT 12P-PT	0209120PT	12	.0283	.375	.127			●	●	●	●
TNMC 32 NT 14P-PT	0209140PT	14	.0239	.375	.127			●	●	●	●
TNMC 32 NT 16P-PT	0209160PT	16	.0206	.375	.127			●	●	●	●
TNMC 43 NT 4P-PT	0241040PT	4	.0875	.500	.189			●	●	●	●
TNMC 43 NT 5P-PT	0241050PT	5	.0689	.500	.189			●	●	●	●
TNMC 43 NT 6P-PT	0241060PT	6	.0566	.500	.189			●	●	●	●
TNMC 43 NT 8P-PT	0241080PT	8	.0411	.500	.189			●	●	●	●
TNMC 43 NT 10P-PT	0241100PT	10	.0319	.500	.189			●	●	●	●
TNMC 43 NT 12P-PT	0241120PT	12	.0283	.500	.189			●	●	●	●
TNMC 43 NT 14P-PT	0241140PT	14	.0239	.500	.189			●	●	●	●
TNMC 43 NT 16P-PT	0241160PT	16	.0206	.500	.189			●	●	●	●
TNMC 54 NT 3P-PT	0253030PT	3	.1184	.625	.252			●	●	●	●
TNMC 54 NT 4P-PT	0253040PT	4	.0875	.625	.252			●	●	●	●
TNMC 54 NT 5P-PT	0253050PT	5	.0689	.625	.252			●	●	●	●
TNMC 55 NT 2.5P-PT	02560250PT	2.5	.1431	.625	.312			●	●	●	●
TNMC 66 NT 2P-PT	0280020PT	2	.1802	.750	.375			●	●	●	●



# PARTIAL TOPPING STUB ACME

**TNMA** (with corner radii)

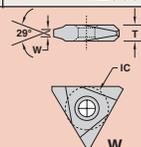
Straight hole



Description	EDP Code	TPI	W	IC	T	Coating					
						C3	C6H	GP3	GP50	AC3	AC50
TNMA 32 NT 6P STUB-PT	0208061PT	6	.0652	.375	.127						
TNMA 32 NT 8P STUB-PT	0208081PT	8	.0476	.375	.127						
TNMA 32 NT 10P STUB-PT	0208101PT	10	.0370	.375	.127						
TNMA 32 NT 12P STUB-PT	0208121PT	12	.0326	.375	.127						
TNMA 32 NT 14P STUB-PT	0208141PT	14	.0276	.375	.127						
TNMA 32 NT 16P STUB-PT	0208161PT	16	.0238	.375	.127						
TNMA 43 NT 4P STUB-PT	0239041PT	4	.1004	.500	.189						
TNMA 43 NT 5P STUB-PT	0239051PT	5	.0793	.500	.189						
TNMA 43 NT 6P STUB-PT	0239061PT	6	.0652	.500	.189						
TNMA 43 NT 8P STUB-PT	0239081PT	8	.0476	.500	.189						
TNMA 43 NT 10P STUB-PT	0239101PT	10	.0370	.500	.189						
TNMA 43 NT 12P STUB-PT	0239121PT	12	.0326	.500	.189						
TNMA 43 NT 14P STUB-PT	0239141PT	14	.0276	.500	.189						
TNMA 43 NT 16P STUB-PT	0239161PT	16	.0238	.500	.189						
TNMA 54 NT 3P STUB-PT	0251031PT	3	.1356	.625	.252						
TNMA 54 NT 4P STUB-PT	0251041PT	4	.1004	.625	.252						
TNMA 54 NT 5P STUB-PT	0251051PT	5	.0793	.625	.252						
TNMA 55 NT 2.5P STUB-PT	02550251PT	2.5	.1638	.625	.312						
TNMA 66 NT 2P STUB-PT	0279021PT	2	.2060	.750	.375						

# TNMC (with corner radii)

Countersink hole

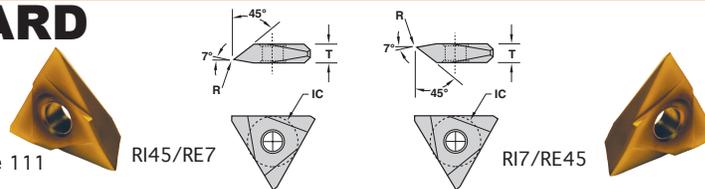


Description	EDP Code	TPI	W	IC	T	Coating					
						C3	C6H	GP3	GP50	AC3	AC50
TNMC 32 NT 6P STUB-PT	0209061PT	6	.0652	.375	.127						
TNMC 32 NT 8P STUB-PT	0209081PT	8	.0476	.375	.127						
TNMC 32 NT 10P STUB-PT	0209101PT	10	.0370	.375	.127						
TNMC 32 NT 12P STUB-PT	0209121PT	12	.0326	.375	.127						
TNMC 32 NT 14P STUB-PT	0209141PT	14	.0276	.375	.127						
TNMC 32 NT 16P STUB-PT	0209161PT	16	.0238	.375	.127						
TNMC 43 NT 4P STUB-PT	0241041PT	4	.1004	.500	.189						
TNMC 43 NT 5P STUB-PT	0241051PT	5	.0793	.500	.189						
TNMC 43 NT 6P STUB-PT	0241061PT	6	.0652	.500	.189						
TNMC 43 NT 8P STUB-PT	0241081PT	8	.0476	.500	.189						
TNMC 43 NT 10P STUB-PT	0241101PT	10	.0370	.500	.189						
TNMC 43 NT 12P STUB-PT	0241121PT	12	.0326	.500	.189						
TNMC 43 NT 14P STUB-PT	0241141PT	14	.0276	.500	.189						
TNMC 43 NT 16P STUB-PT	0241161PT	16	.0238	.500	.189						
TNMC 54 NT 3P STUB-PT	0253031PT	3	.1356	.625	.252						
TNMC 54 NT 4P STUB-PT	0253041PT	4	.1004	.625	.252						
TNMC 54 NT 5P STUB-PT	0253051PT	5	.0793	.625	.252						
TNMC 66 NT 2P STUB-PT	0280021PT	2	.2060	.750	.375						

# AMERICAN STANDARD BUTTRESS

**TNMA & TNMC**

For thread specifications & applications see page 111

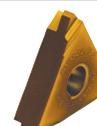
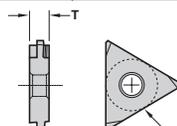


Description	EDP Code	TPI	R	IC	T	Lead Angle	Coating					
							C3	C6H	GP3	GP50	AC3	AC50
TNMA 43 ASB RI45/RE7	403900R008	8-16	.007-.009	.500	.189	45° Internal/7° External						
TNMA 43 ASB RI7/RE45	393900R008	8-16	.007-.009	.500	.189	7° Internal/45° External						
TNMA 54 ASB RI45/RE7	405100R010	4-6	.009-.011	.625	.252	45° Internal/7° External						
TNMA 54 ASB RI7/RE45	395100R010	4-6	.009-.011	.625	.252	7° Internal/45° External						
TNMC 43 ASB RI45/RE7	404100R008	8-16	.007-.009	.500	.189	45° Internal/7° External						
TNMC 43 ASB RI7/RE45	394100R008	8-16	.007-.009	.500	.189	7° Internal/45° External						
TNMC 54 ASB RI45/RE7	405300R010	4-6	.009-.011	.625	.252	45° Internal/7° External						
TNMC 54 ASB RI7/RE45	395300R010	4-6	.009-.011	.625	.252	7° Internal/45° External						

# API BUTTRESS

**TNMA**

Straight hole



Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Coating					
							C3	C6H	GP3	GP50	AC3	AC50
TNMA 43 8B75 EXT-FC*	21394F	8	.750	.500	.189	U.S. Improved Buttress						
TNMA 44 5B75 EXT-FC	16434F	5	.750	.500	.252	4-1/2 - 13-3/8						
TNMA 54 5B1 EXT-FC	17514F	5	1.000	.625	.252	16 and larger						
TNMA 54 5B75 EXT-FC	16514F	5	.750	.625	.252	4-1/2 - 13-3/8						
TNMA 43 8B75 INT-FC	21398F	8	.750	.500	.189	U.S. Improved Buttress						
TNMA 44 5B75 INT-FC	16438F	5	.750	.500	.252	4-1/2 - 13-3/8						
TNMA 54 5B1 INT-FC	17518F	5	1.000	.625	.252	16 and larger						
TNMA 54 5B75 INT-FC	16518F	5	.750	.625	.252	4-1/2 - 13-3/8						

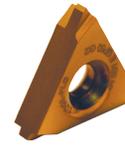
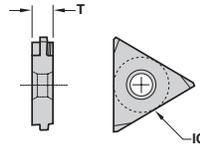
\*FC designates flank clearance.



## API BUTTRESS

### TNMC

Countersink hole



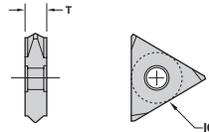
Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Uncoated		TIN Coated		AlTiN Coated	
							C3	C6H	GP3	GP50	AC3	AC50
TNMC 43 8B75 EXT-FC*	21414F	8	.750	.500	.189	U.S. Improved Buttress						
TNMC 54 5B1 EXT-FC	17534F	5	1.000	.625	.252	16 and larger						
TNMC 54 5B75 EXT-FC	16534F	5	.750	.625	.252	4-1/2 - 13-3/8						
TNMC 43 8B75 INT-FC	21418F	8	.750	.500	.189	U.S. Improved Buttress						
TNMC 54 5B1 INT-FC	17538F	5	1.000	.625	.252	16 and larger						
TNMC 54 5B75 INT-FC	16538F	5	.750	.625	.252	4-1/2 - 13-3/8						

\*FC designates flank clearance.

## API HUGHES H90

### TNMA

Straight hole

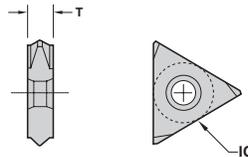


Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Uncoated		TIN Coated		AlTiN Coated	
							C3	C6H	GP3	GP50	AC3	AC50
TNMA 55 H902 EXT	28554	3.5	2.000	.625	.312	3-1/2 - 6-5/8 H90						
TNMA 55 H903 EXT	29554	3.5	3.000	.625	.312	7 - 8-5/8 H90						
TNMA 56 H90S EXT	27Q14	3	1.250	.625	.375	2-3/8 - 3-1/2 Slimline						
TNMA 55 H902 INT	28558	3.5	2.000	.625	.312	3-1/2 - 6-5/8 H90						
TNMA 55 H903 INT	29558	3.5	3.000	.625	.312	7 - 8-5/8 H90						
TNMA 56 H90S INT	27Q18	3	1.250	.625	.375	2-3/8 - 3-1/2 Slimline						

## API HUGHES H90

### TNMC

Countersink hole

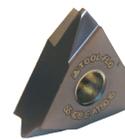
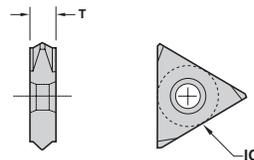


Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Uncoated		TIN Coated		AlTiN Coated	
							C3	C6H	GP3	GP50	AC3	AC50
TNMC 55 H902 EXT	28564	3.5	2.000	.625	.312	3-1/2 - 6-5/8 H90						
TNMC 55 H903 EXT	29564	3.5	3.000	.625	.312	7 - 8-5/8 H90						
TNMC 56 H90S EXT	27Q34	3	1.250	.625	.375	2-3/8 - 3-1/2 Slimline						
TNMC 55 H902 INT	28568	3.5	2.000	.625	.312	3-1/2 - 6-5/8 H90						
TNMC 55 H903 INT	29568	3.5	3.000	.625	.312	7 - 8-5/8 H90						
TNMC 56 H90S INT	27Q38	3	1.250	.625	.375	2-3/8 - 3-1/2 Slimline						

## API ROTARY SHOULDER CONNECTION

### TNMA

Straight hole



Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Uncoated		TIN Coated		AlTiN Coated	
							C3	C6H	GP3	GP50	AC3	AC50
TNMA 54 530 EXT	13514	5	3	.625	.252	3-1/2 FH, 2-3/8 - 4-1/2 Reg.						
TNMA 55 425 EXT	09554	4	2	.625	.312	5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.						
TNMA 55 428 EXT	10554	4	2	.625	.312	NC23 - NC50, 2-3/8 - 5-1/2						
TNMA 55 42F EXT*	14554	4	2	.625	.312	VO.065*						
TNMA 55 435 EXT	11554	4	3	.625	.312	5-1/2, 7-5/8, 8-5/8 Reg.						
TNMA 55 438 EXT	12554	4	3	.625	.312	NC56 - NC71						
TNMA 55 530 EXT	13554	5	3	.625	.312	3-1/2 FH, 2-3/8 - 4-1/2 Reg.						
TNMA 55 4PAC EXT	15554	4	1.5	.625	.312	American Open Hole						
TNMA 54 530 INT	13518	5	3	.625	.252	3-1/2 FH, 2-3/8 - 4-1/2 Reg.						
TNMA 55 425 INT	09558	4	2	.625	.312	5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.						
TNMA 55 428 INT	10558	4	2	.625	.312	NC23 - NC50, 2-3/8 - 5-1/2						
TNMA 55 42F INT*	14558	4	2	.625	.312	VO.065*						
TNMA 55 435 INT	11558	4	3	.625	.312	5-1/2, 7-5/8, 8-5/8 Reg.						
TNMA 55 438 INT	12558	4	3	.625	.312	NC56 - NC71						
TNMA 55 530 INT	13558	5	3	.625	.312	3-1/2 FH, 2-3/8 - 4-1/2 Reg.						
TNMA 55 4PAC INT	15558	4	1.5	.625	.312	American Open Hole						

\*Obsolete thread form - see API Spec 7, 35th Edition, May 1, 1985 Section 9.4.

In an effort to improve our stock standard grade offering, there are periodic changes. Please see current price list for up to date grade offering.

● High performance choice in optimal conditions.  
▲ Recommended grade under general conditions.

Material	C3	C6H	GP3	GP50	AC3	AC50
Cast Iron						
Non-Ferrous						
Stainless/High Temp						
Steel				▲		●

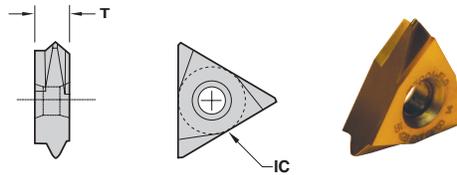


# ON-EDGE

## API ROTARY SHOULDER CONNECTION

### TNMC

Countersink hole



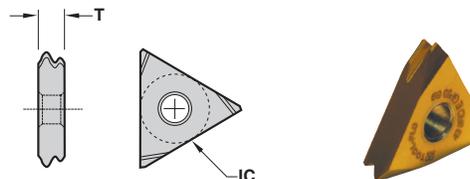
Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Coating					
							C3	C6H	GP3	GP50	AC3	AC50
TNMC 54 530 EXT	13534	5	3	.625	.252	3-1/2 FH, 2-3/8 - 4-1/2 Reg.				●	●	●
TNMC 55 425 EXT	09564	4	2	.625	.312	5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.				●	●	●
TNMC 55 428 EXT	10564	4	2	.625	.312	NC23 - NC50, 2-3/8 - 5-1/2				●	●	●
TNMC 55 42F EXT*	14564	4	2	.625	.312	VO.065*				●	●	●
TNMC 55 435 EXT	11564	4	3	.625	.312	5-1/2, 7-5/8, 8-5/8 Reg.				●	●	●
TNMC 55 438 EXT	12564	4	3	.625	.312	NC56 - NC71				●	●	●
TNMC 55 530 EXT	13564	5	3	.625	.312	3-1/2 FH, 2-3/8 - 4-1/2 Reg.				●	●	●
TNMC 55 4PAC EXT	15564	4	1.5	.625	.312	American Open Hole				●	●	●
TNMC 54 530 INT	13538	5	3	.625	.252	3-1/2 FH, 2-3/8 - 4-1/2 Reg.				●	●	●
TNMC 55 425 INT	09568	4	2	.625	.312	5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.				●	●	●
TNMC 55 428 INT	10568	4	2	.625	.312	NC23 - NC50, 2-3/8 - 5-1/2				●	●	●
TNMC 55 42F INT*	14568	4	2	.625	.312	VO.065*				●	●	●
TNMC 55 435 INT	11568	4	3	.625	.312	5-1/2, 7-5/8, 8-5/8 Reg.				●	●	●
TNMC 55 438 INT	12568	4	3	.625	.312	NC56 - NC71				●	●	●
TNMC 55 530 INT	13568	5	3	.625	.312	3-1/2 FH, 2-3/8 - 4-1/2 Reg.				●	●	●
TNMC 55 4PAC INT	15568	4	1.5	.625	.312	American Open Hole				●	●	●

\*Obsolescent thread form - see API Spec 7, 35th Edition, May 1, 1985 Section 9.4.

## API ROUND

### TNMA

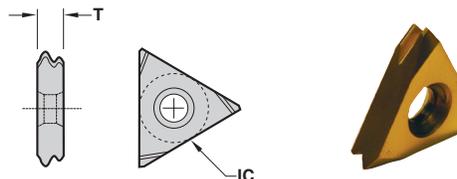
Straight hole



Description	EDP Code	TPI	TPF	IC	T	Coating					
						C3	C6H	GP3	GP50	AC3	AC50
TNMA 43 8RD EXT	32394	8	.750	.500	.189				●	●	●
TNMA 43 10RD EXT	34394	10	.750	.500	.189				●	●	●
TNMA 54 8RD EXT	32514	8	.750	.625	.252				●	●	●
TNMA 43 8RD INT	32398	8	.750	.500	.189				●	●	●
TNMA 43 10RD INT	34398	10	.750	.500	.189				●	●	●
TNMA 54 8RD INT	32518	8	.750	.625	.252				●	●	●

### TNMC

Countersink hole

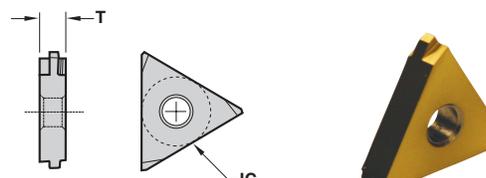


Description	EDP Code	TPI	TPF	IC	T	Coating					
						C3	C6H	GP3	GP50	AC3	AC50
TNMC 43 8RD EXT	32414	8	.750	.500	.189				●	●	●
TNMC 43 10RD EXT	34414	10	.750	.500	.189				●	●	●
TNMC 54 8RD EXT	32534	8	.750	.625	.252				●	●	●
TNMC 43 8RD INT	32418	8	.750	.500	.189				●	●	●
TNMC 43 10RD INT	34418	10	.750	.500	.189				●	●	●
TNMC 54 8RD INT	32538	8	.750	.625	.252				●	●	●

## API VAM

### TNMA

Straight hole



Description	EDP Code	TPI	TPF	IC	T	Coating					
						C3	C6H	GP3	GP50	AC3	AC50
TNMA 43 6VAM EXT	24394	6	.750	.500	.189				●	●	●
TNMA 43 8VAM EXT	25394	8	.750	.500	.189				●	●	●
TNMA 54 5VAM EXT	23514	5	.750	.625	.252				●	●	●
TNMA 43 6VAM INT	24398	6	.750	.500	.189				●	●	●
TNMA 43 8VAM INT	25398	8	.750	.500	.189				●	●	●
TNMA 54 5VAM INT	23518	5	.750	.625	.252				●	●	●

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- High performance choice in optimal conditions.
- ▲ Recommended grade under general conditions.

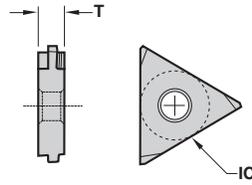
Cast Iron  
Non-Ferrous  
Stainless/High Temp  
Steel



## API X-LINE

### TNMA

Straight hole

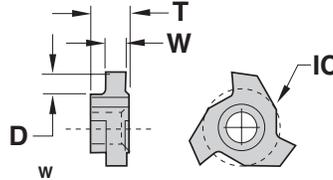


Description	EDP Code	TPI	TPF	IC	T	Conn. No.	Coatings							
							C3	C6H	GP3	GP50	AC3	AC50		
TNMA 54 5XL12 EXT	18514	5	1.250	.625	.252	8-5/8 - 10-3/4								
TNMA 54 6XL15 EXT	19514	6	1.500	.625	.252	5 - 7-5/8				●				
TNMA 54 6XL75 EXT	20514	6	.750	.625	.252	-				●				
TNMA 54 5XL12 INT	18518	5	1.250	.625	.252	8-5/8 - 10-3/4								
TNMA 54 6XL15 INT	19518	6	1.500	.625	.252	5 - 7-5/8				●				
TNMA 54 6XL75 INT	20518	6	.750	.625	.252	-				●				

## GROOVING

### TNEB

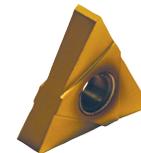
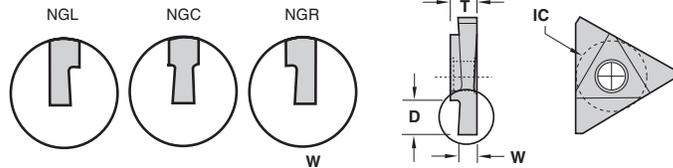
Small Diameter



Description	EDP Code	Inch	Metric	D	IC	T	Coatings							
							C3	C6H	GP3	GP5	AC3	AC50		
TNEB 2.52 NGL-40 W.125	LD512500	.125	3,18	.070	.312	.125								
TNEB 33 NGL-40 W.062	L1206200	.062	1,57	.120	.375	.187				●				
TNEB 33 NGL-40 W.094	L1209400	.094	2,39	.120	.375	.187				●				
TNEB 33 NGL-40 W.125	L1212500	.125	3,18	.120	.375	.187				●				
TNEB 33 NGL-40 W.187	L1218700	.187	4,75	.120	.375	.187				●				

### TNMA

Straight hole



Description	EDP Code	Inch	Metric	D	IC	T	Coatings					
							C25	C6H	GP3	GP50	AC3	AC50
TNMA 32 NGC W.062	C0806200	.062	1,57	.150	.375	.127			●	●		●
TNMA 32 NGC W.094	C0809400	.094	2,39	.150	.375	.127			●	●		●
TNMA 32 NG W.125	C0912500	.125	3,18	.150	.375	.127			●	●		●
TNMA 33 NG W.187	CK318700	.187	4,75	.150	.375	.189			●	●		●
TNMA 43 NGC W.062	C3906200	.062	1,57	.156	.500	.189			●	●		●
TNMA 43 NGC W.094	C3909400	.094	2,39	.215	.500	.189			●	●		●
TNMA 43 NGC W.125	C3912500	.125	3,18	.215	.500	.189			●	●		●
TNMA 43 NGC W.156	C3915600	.156	3,96	.215	.500	.189			●	●		●
TNMA 43 NG W.187	C3918700	.187	4,75	.215	.500	.189		●	●	●		●
TNMA 44 NG W.250	C4325000	.250	6,35	.215	.500	.250			●	●		●
TNMA 54 NGC W.125	C5112500	.125	3,18	.275	.625	.252			●	●		●
TNMA 54 NGC W.187	C5118700	.187	4,75	.275	.625	.252			●	●		●
TNMA 54 NG W.250	C5125000	.250	6,35	.275	.625	.252			●	●		●
TNMA 55 NG W.312	C5531200	.312	7,92	.275	.625	.312			●	●		●
TNMA 64 NG W.250	C7425000	.250	6,35	.335	.750	.250			●	●		●
TNMA 66 NG W.375	C7937500	.375	9,53	.335	.750	.375			●	●		●
TNMA 67 NG W.437	C8343700	.437	11,10	.335	.750	.437			●	●		●
TNMA 69 NG W.562	C8856200	.562	14,27	.335	.750	.562			●	●		●
TNMA 32 NGL W.062	L0806200	.062	1,57	.150	.375	.127			●	●		●
TNMA 32 NGL W.094	L0809400	.094	2,39	.150	.375	.127			●	●		●
TNMA 43 NGL W.062	L3906200	.062	1,57	.156	.500	.189			●	●		●
TNMA 43 NGL W.094	L3909400	.094	2,39	.215	.500	.189			●	●		●
TNMA 43 NGL W.125	L3912500	.125	3,18	.215	.500	.189			●	●		●
TNMA 43 NGL W.156	L3915600	.156	3,96	.215	.500	.189			●	●		●
TNMA 54 NGL W.125	L5112500	.125	3,18	.275	.625	.252			●	●		●
TNMA 54 NGL W.187	L5118700	.187	4,75	.275	.625	.252			●	●		●
TNMA 32 NGR W.062	R0806200	.062	1,57	.150	.375	.127			●	●		●
TNMA 32 NGR W.094	R0809400	.094	2,39	.150	.375	.127			●	●		●
TNMA 43 NGR W.062	R3906200	.062	1,57	.156	.500	.189			●	●		●
TNMA 43 NGR W.094	R3909400	.094	2,39	.215	.500	.189			●	●		●
TNMA 43 NGR W.125	R3912500	.125	3,18	.215	.500	.189			●	●		●
TNMA 43 NGR W.156	R3915600	.156	3,96	.215	.500	.189			●	●		●
TNMA 54 NGR W.125	R5112500	.125	3,18	.275	.625	.252			●	●		●
TNMA 54 NGR W.187	R5118700	.187	4,75	.275	.625	.252			●	●		●

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● High performance choice in optimal conditions.  
▲ Recommended grade under general conditions.

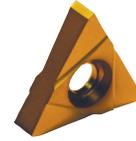
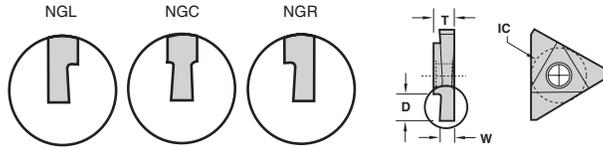
Material	C3	C6H	GP3	GP50	AC3	AC50
Cast Iron						●
Non-Ferrous						●
Stainless/High Temp						●
Steel					▲	●



## GROOVING

### TNMC

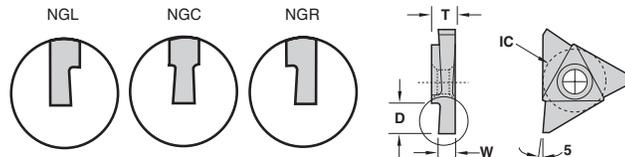
Countersink hole



Description	EDP Code	Inch	Metric	D	IC	T	Coating							
							C3	C6H	GP3	GP50	AC3	AC50		
TNMC 32 NGC W.062	C0906200	.062	1,57	.150	.375	.127								
TNMC 32 NGC W.094	C0909400	.094	2,39	.150	.375	.127				●	●	●	●	●
TNMC 32 NG W.125	C0912500	.125	3,18	.150	.375	.127				●	●	●	●	●
TNMC 33 NG W.187	CK818700	.187	4,75	.150	.375	.189					●	●	●	●
TNMC 43 NGC W.062	C4106200	.062	1,57	.156	.500	.189				●	●	●	●	●
TNMC 43 NGC W.094	C4109400	.094	2,39	.215	.500	.189				●	●	●	●	●
TNMC 43 NGC W.125	C4112500	.125	3,18	.215	.500	.189				●	●	●	●	●
TNMC 43 NGC W.156	C4115600	.156	3,96	.215	.500	.189				●	●	●	●	●
TNMC 43 NG W.187	C4118700	.187	4,75	.215	.500	.189				●	●	●	●	●
TNMC 44 NG W.250	C4425000	.250	6,35	.215	.500	.250					●	●	●	●
TNMC 54 NGC W.125	C5312500	.125	3,18	.275	.625	.252				●	●	●	●	●
TNMC 54 NGC W.187	C5318700	.187	4,75	.275	.625	.252				●	●	●	●	●
TNMC 54 NG W.250	C5325000	.250	6,35	.275	.625	.252	●			●	●	●	●	●
TNMC 55 NG W.312	C5631200	.312	7,92	.275	.625	.312					●	●	●	●
TNMC 64 NG W.250	C7525000	.250	6,35	.335	.750	.250					●	●	●	●
TNMC 66 NG W.375	C8037500	.375	9,53	.335	.750	.375					●	●	●	●
TNMC 67 NG W.437	C8443700	.437	11,10	.335	.750	.437					●	●	●	●
TNMC 69 NG W.562	C8956200	.562	14,27	.335	.750	.562					●	●	●	●
TNMC 32 NGL W.062	L0906200	.062	1,57	.150	.375	.127					●	●	●	●
TNMC 32 NGL W.094	L0909400	.094	2,39	.150	.375	.127					●	●	●	●
TNMC 43 NGL W.062	L4106200	.062	1,57	.156	.500	.189					●	●	●	●
TNMC 43 NGL W.094	L4109400	.094	2,39	.215	.500	.189					●	●	●	●
TNMC 43 NGL W.125	L4112500	.125	3,18	.215	.500	.189					●	●	●	●
TNMC 43 NGL W.156	L4115600	.156	3,96	.215	.500	.189					●	●	●	●
TNMC 54 NGL W.125	L5312500	.125	3,18	.275	.625	.252					●	●	●	●
TNMC 54 NGL W.187	L5318700	.187	4,75	.275	.625	.252					●	●	●	●
TNMC 32 NGR W.062	R0906200	.062	1,57	.150	.375	.127				●	●	●	●	●
TNMC 32 NGR W.094	R0909400	.094	2,39	.150	.375	.127				●	●	●	●	●
TNMC 43 NGR W.062	R4106200	.062	1,57	.156	.500	.189				●	●	●	●	●
TNMC 43 NGR W.094	R4109400	.094	2,39	.215	.500	.189				●	●	●	●	●
TNMC 43 NGR W.125	R4112500	.125	3,18	.215	.500	.189				●	●	●	●	●
TNMC 43 NGR W.156	R4115600	.156	3,96	.215	.500	.189				●	●	●	●	●
TNMC 54 NGR W.125	R5312500	.125	3,18	.275	.625	.252				●	●	●	●	●
TNMC 54 NGR W.187	R5318700	.187	4,75	.275	.625	.252				●	●	●	●	●

### TPMA

Straight hole - Positive Rake



Description	EDP Code	Inch	Metric	D	IC	T	Coating							
							C3	C6H	GP3	GP50	AC3	AC50		
TPMA 32 NGC W.062	C1006200	.062	1,57	.150	.375	.127								
TPMA 32 NGC W.094	C1009400	.094	2,39	.150	.375	.127					●	●	●	●
TPMA 32 NG W.125	C1012500	.125	3,18	.150	.375	.127					●	●	●	●
TPMA 33 NG W.187	CL318700	.187	4,75	.150	.375	.189					●	●	●	●
TPMA 43 NGC W.062	C4006200	.062	1,57	.156	.500	.189					●	●	●	●
TPMA 43 NGC W.094	C4009400	.094	2,39	.215	.500	.189					●	●	●	●
TPMA 43 NGC W.125	C4012500	.125	3,18	.215	.500	.189					●	●	●	●
TPMA 43 NG W.187	C4018700	.187	4,75	.215	.500	.189					●	●	●	●
TPMA 44 NG W.250	C4525000	.250	6,35	.215	.500	.250					●	●	●	●
TPMA 54 NG W.250	C5225000	.250	6,35	.275	.625	.252					●	●	●	●
TPMA 55 NG W.312	C5631200	.312	7,92	.275	.625	.312					●	●	●	●
TPMA 32 NGR W.062	R1006200	.062	1,57	.150	.375	.127				●	●	●	●	●
TPMA 32 NGR W.094	R1009400	.094	2,39	.150	.375	.127				●	●	●	●	●
TPMA 43 NGR W.062	R4006200	.062	1,57	.156	.500	.189				●	●	●	●	●
TPMA 43 NGR W.094	R4009400	.094	2,39	.215	.500	.189				●	●	●	●	●
TPMA 43 NGR W.125	R4012500	.125	3,18	.215	.500	.189				●	●	●	●	●

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- ▲ Recommended grade under general conditions.

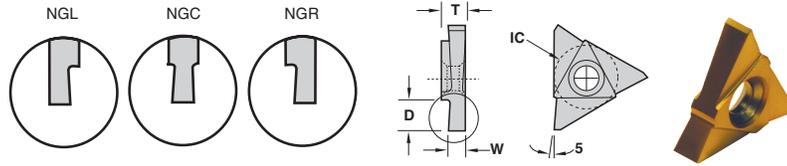
Material	C3	C6H	GP3	GP50	AC3	AC50
Cast Iron			●			
Non-Ferrous			●			
Stainless/High Temp			●			
Steel				▲		●



## GROOVING

### TPMC

Countersink hole - Positive Rake

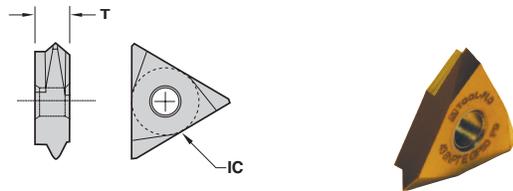


Description	EDP Code	Inch	Metric	D	IC	T	Coatings						
							C3	C6H	GP3	GP50	AC3	AC50	
TPMC 32 NGC W.062	C1106200	.062	1,57	.150	.375	.127				●			
TPMC 32 NGC W.094	C1109400	.094	2,39	.150	.375	.127				●			
TPMC 32 NG W.125	C1112500	.125	3,18	.150	.375	.127				●			
TPMC 33 NG W.187	CL818700	.187	4,75	.150	.375	.189				●			
TPMC 43 NGC W.062	C4206200	.062	1,57	.156	.500	.189				●			
TPMC 43 NGC W.094	C4209400	.094	2,39	.215	.500	.189				●			
TPMC 43 NGC W.125	C4212500	.125	3,18	.215	.500	.189				●			
TPMC 43 NG W.187	C4218700	.187	4,75	.215	.500	.189				●			
TPMC 44 NG W.250	C4625000	.250	6,35	.215	.500	.250				●			
TPMC 54 NG W.250	C5425000	.250	6,35	.275	.625	.252				●			
TPMC 55 NG W.312	CP631200	.312	7,92	.275	.625	.312				●			
TPMC 32 NGL W.062	L1106200	.062	1,57	.150	.375	.127				●			
TPMC 32 NGL W.094	L1109400	.094	2,39	.150	.375	.127				●			
TPMC 43 NGL W.062	L4206200	.062	1,57	.156	.500	.189				●			
TPMC 43 NGL W.094	L4209400	.094	2,39	.215	.500	.189				●			
TPMC 43 NGL W.125	L4212500	.125	3,18	.215	.500	.189				●			
TPMC 32 NGR W.062	R1106200	.062	1,57	.150	.375	.127				●			
TPMC 32 NGR W.094	R1109400	.094	2,39	.150	.375	.127				●			
TPMC 43 NGR W.062	R4206200	.062	1,57	.156	.500	.189				●			
TPMC 43 NGR W.094	R4209400	.094	2,39	.215	.500	.189				●			
TPMC 43 NGR W.125	R4212500	.125	3,18	.215	.500	.189				●			

## NPT

### TNMA

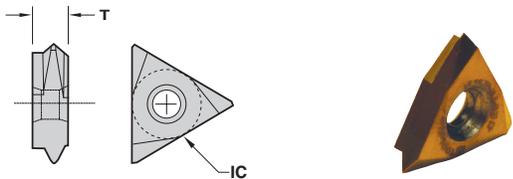
Straight hole



Description	EDP Code	Pipe Size	TPI	TPF	IC	T	Coatings						
							C3	C6H	GP3	GP50	AC3	AC50	
TNMA 43 8NPT EXT	3639084	2.5" and up	8	.750	.500	.189				●			
TNMA 43 11.5NPT EXT	3639114	1" - 2"	11.5	.750	.500	.189				●			
TNMA 43 8NPT INT	3639088	2.5" and up	8	.750	.500	.189				●			
TNMA 43 11.5NPT INT	3639118	1" - 2"	11.5	.750	.500	.189				●			

## TNMC

Countersink hole

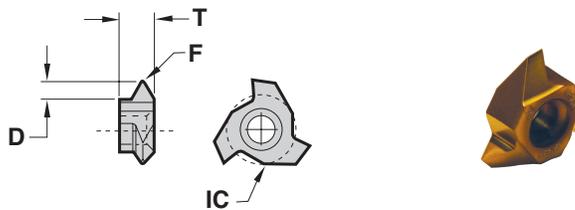


Description	EDP Code	Pipe Size	TPI	TPF	IC	T	Coatings						
							C3	C6H	GP3	GP50	AC3	AC50	
TNMC 43 8NPT EXT	3641084	2.5" and up	8	.750	.500	.189				●			
TNMC 43 11.5NPT EXT	3641114	1" - 2"	11.5	.750	.500	.189				●			
TNMC 43 8NPT INT	3641088	2.5" and up	8	.750	.500	.189				●			
TNMC 43 11.5NPT INT	3641118	1" - 2"	11.5	.750	.500	.189				●			

## 60° V-THREADING

### TNEB

Small Diameter



Description	EDP Code	TPI	F	IC	T	Coatings							
						C3	C6H	GP3	GP5	AC3	AC50		
TNEB 2.52 NVL-40	01D5000	7-32	.003/.005	.312	.125				●				
TNEB 33 NVL-40	0112000	5-16	.003/.005	.375	.187				●				

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- High performance choice in optimal conditions.
- ▲ Recommended grade under general conditions.

Cast Iron  
Non-Ferrous  
Stainless/High Temp  
Steel

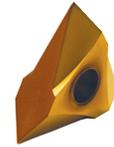
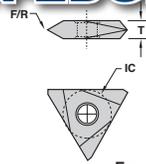


**ON-EDGE**

# 60° V-THREADING

**TNMA**

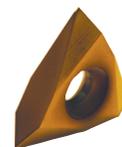
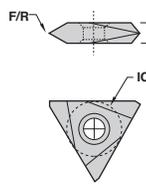
Straight hole



Description	EDP Code	TPI	F or R	IC	T	Coatings									
						Uncoated	TIN Coated	AITIN Coated	C25	GP4	GP3	GP50	AC3	AC50	
TNMA 32 NV	0108000	8-36	.003/.005 Flat	.375	.127										
TNMA 43 NV	0139000	5-24	.005/.007 Flat	.500	.189										
TNMA 43 NV .010R	0139R10	4-20	.010 Radius	.500	.189										
TNMA 44 NV	0143000	4-24	.005/.009 Flat	.500	.250										
TNMA 54 NV	0151000	4-20	.008/.010 Flat	.625	.252										
TNMA 54 NV .010R	0151R10	4-20	.010 Radius	.625	.252										
TNMA 54 NV .020R	0151R20	4-12	.020 Radius	.625	.252										
TNMA 54 NV .025R	0151R25	4-8	.025 Radius	.625	.252										
TNMA 54 NV .038R	0151R38	4-6	.038 Radius	.625	.252										
TNMA 64 NV	0174000	4-20	.008/.010 Flat	.750	.252										
TNMA 66 NV	0179000	3-12	.008/.010 Flat	.750	.375										

**TNMC**

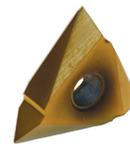
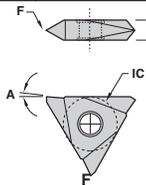
Countersink hole



Description	EDP Code	TPI	F or R	IC	T	Coatings									
						Uncoated	TIN Coated	AITIN Coated	C25	GP4	GP3	GP50	AC3	AC50	
TNMC 32 NV	0109000	8-36	.003/.005 Flat	.375	.127										
TNMC 43 NV	0141000	5-24	.005/.007 Flat	.500	.189										
TNMC 43 NV .010R	0141R10	4-20	.010 Radius	.500	.189										
TNMC 44 NV	0144000	4-24	.003/.005 Flat	.500	.250										
TNMC 54 NV	0153000	4-20	.008/.010 Flat	.625	.252										
TNMC 54 NV .010R	0153R10	4-20	.010 Radius	.625	.252										
TNMC 54 NV .020R	0153R20	4-12	.020 Radius	.625	.252										
TNMC 54 NV .025R	0153R25	4-8	.025 Radius	.625	.252										
TNMC 54 NV .038R	0153R38	4-6	.038 Radius	.625	.252										
TNMC 64 NV	0175000	4-20	.008/.010 Flat	.750	.252										
TNMC 66 NV	0180000	3-12	.008/.010 Flat	.750	.375										

**TPMA**

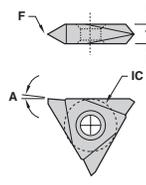
Straight hole - Positive Rake



Description	EDP Code	TPI	F	A°	IC	T	Coatings								
							Uncoated	TIN Coated	AITIN Coated	C25	C6H	GP3	GP50	AC3	AC50
TPMA 32 NV	0110000	8-36	.003/.005	5	.375	.127									
TPMA 32 NV-10	0110100	8-36	.003/.005	10	.375	.127									
TPMA 43 NV	0140000	5-24	.005/.007	5	.500	.189									
TPMA 43 NV-10	0140100	5-24	.005/.007	10	.500	.189									
TPMA 54 NV	0152000	4-20	.008/.010	5	.500	.252									
TPMA 66 NV	0181000	3-12	.008/.010	5	.750	.375									

**TPMC**

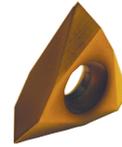
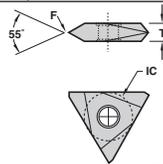
Countersink hole - Positive Rake



Description	EDP Code	TPI	F	A°	IC	T	Coatings								
							Uncoated	TIN Coated	AITIN Coated	C3	C6H	GP3	GP50	AC3	AC50
TPMC 32 NV	0111000	8-36	.003/.005	5	.375	.127									
TPMC 32 NV-10	0111100	8-36	.003/.005	10	.375	.127									
TPMC 43 NV	0142000	5-24	.005/.007	5	.500	.189									
TPMC 43 NV-10	0142100	5-24	.003/.005	10	.500	.189									
TPMC 54 NV	0154000	4-20	.008/.010	5	.500	.252									
TPMC 66 NV	0182000	3-12	.008/.010	5	.750	.375									

# 55° WHITWORTH

**TNMA/C**



Description	EDP Code	TPI	F	IC	T	Coatings									
						Uncoated	TIN Coated	AITIN Coated	C3	C6H	GP3	GP50	AC3	AC50	
TNMA 43 NV-55	0139055	5-24	.005/.007	.500	.189										
TNMC 43 NV-55	0141055	5-24	.005/.007	.500	.189										

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- ▲ Recommended grade under general conditions.

- ▲ Cast Iron
- ▲ Non-Ferrous
- ▲ Stainless/High Temp
- ▲ Steel

**ON-EDGE**



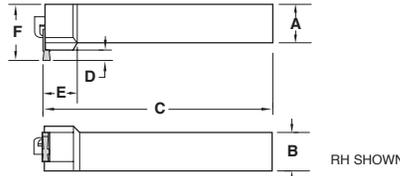
# ON-EDGE

## EXTERNAL HOLDER

### MTHOR/L

Threading/Grooving

Most holders available with coolant port  
(ie: Add CP to end of description)



### PARTS

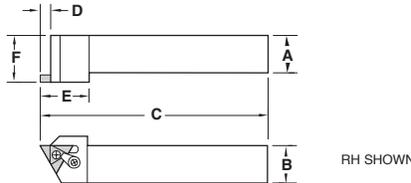
Description	EDP Code	Insert	A	B	C	D	E	F	Lock	Clamp	Clamp
									Pin	Clamp	Screw
MTHOR-164	95501656	T_MA/C 43	1	1	6	.19	.74	1.5	NL44	TC-250	STC11
MTHOL-164	95401656	T_MA/C 43	1	1	6	.19	.74	1.5	NL44	TC-250	STC11
MTHOR-204	95502056	T_MA/C 43	1-1/4	1-1/4	7	.19	.99	1.75	NL44	TC-250	STC11
MTHOR-165	95501664	T_MA/C 54	1	1	6	.24	.99	1.5	NL56	TC-250	STC11
MTHOL-165	95401664	T_MA/C 54	1	1	6	.24	.99	1.5	NL56	TC-250	STC11
MTHOR-205	95502064	T_MA/C 54	1-1/4	1-1/4	7	.24	.99	1.75	NL56	TC-250	STC11

### MTVOR/L

Threading/Grooving

Inch

Most holders available with coolant port  
(ie: Add CP to end of description)



### PARTS

Description	EDP Code	Insert	A	B	C	D	E	F	Lock	Clamp	Clamp
									Pin	Clamp	Screw
MTVOR-123	96001248	T_MA/C 32	3/4	3/4	4-1/2	.15	1.08	1.00	NL33	TC-190	STC5
MTVOL-123	95901248	T_MA/C 32	3/4	3/4	4-1/2	.15	1.08	1.00	NL33	TC-190	STC5
MTVOR-163	96001648	T_MA/C 32	1	1	6	.15	1.08	1.25	NL33	TC-190	STC9
MTVOL-163	95901648	T_MA/C 32	1	1	6	.15	1.08	1.25	NL33	TC-190	STC9
MTVOR-124	96001256	T_MA/C 43	3/4	3/4	4-1/2	.23	1.23	1.00	NL44	TC-190	STC5
MTVOL-124	95901256	T_MA/C 43	3/4	3/4	4-1/2	.23	1.23	1.00	NL44	TC-190	STC5
MTVOR-164	96001656	T_MA/C 43	1	1	6	.23	1.23	1.25	NL44	TC-190	STC5
MTVOL-164	95901656	T_MA/C 43	1	1	6	.23	1.23	1.25	NL44	TC-190	STC5
MTVOR-204	96002056	T_MA/C 43	1-1/4	1-1/4	7	.23	1.23	1.50	NL44	TC-190	STC5
MTVOR-165	96001664	T_MA/C 54	1	1	6	.29	1.43	1.25	NL56	TC-250	STC11
MTVOL-165	95901664	T_MA/C 54	1	1	6	.29	1.43	1.25	NL56	TC-250	STC11
MTVOR-205	96002064	T_MA/C 54	1-1/4	1-1/4	7	.29	1.43	1.50	NL56	TC-250	STC11
MTVOR-2055	96002066	T_MA/C 55	1-1/4	1-1/4	7	.37	1.43	1.50	NL56	TC-250	STC11
MTVOR-2064	96002072	T_MA/C 64	1-1/4	1-1/4	7	.37	1.62	1.50	NL66	TC-310	STC4
MTVOR-206	96002076	T_MA/C 66	1-1/4	1-1/4	7	.37	1.62	1.50	NL66L	TC-310	STC4
MTVOL-206	95902076	T_MA/C 66	1-1/4	1-1/4	7	.37	1.62	1.50	NL66L	TC-310	STC4
MTVOR-246	96002476	T_MA/C 66	1-1/2	1-1/2	7	.37	1.62	2.00	NL66L	TC-310	STC4
MTVOR-2067	96002078	T_MA/C 67	1-1/4	1-1/4	7	.37	1.62	1.50	NL56L	TC-310	STC8

## METRIC

### PARTS

Description	EDP Code	Insert	A	B	C	D	E	F	Lock	Clamp	Clamp
									Pin	Clamp	Screw
MTVOR-2525M3	960025M3	T_MA/C 32	25,0	25,0	150,0	3,8	27,4	31,7	NL33	TC-190	STC9
MTVOL-2525M3	959025M48	T_MA/C 32	25,0	25,0	150,0	3,8	27,4	31,7	NL33	TC-190	STC9
MTVOR-2525M4	960025M56	T_MA/C 43	25,0	25,0	150,0	5,8	31,2	31,7	NL44	TC-190	STC5
MTVOL-2525M4	959025M56	T_MA/C 43	25,0	25,0	150,0	5,8	31,2	31,7	NL44	TC-190	STC5
MTVOR-3232M4	960032M56	T_MA/C 43	32,0	32,0	177,8	5,8	31,2	38,1	NL44	TC-190	STC5
MTVOR-2525M5	960025M64	T_MA/C 54	25,0	25,0	150,0	7,3	35,8	31,7	NL56	TC-250	STC11
MTVOL-2525M5	959025M64	T_MA/C 54	25,0	25,0	150,0	7,3	35,8	31,7	NL56	TC-250	STC11
MTVOR-3232M5	960032M64	T_MA/C 54	32,0	32,0	177,8	7,3	35,8	38,1	NL56	TC-250	STC11
MTVOR-2525M55	960025M66	T_MA/C 55	25,0	25,0	177,8	7,9	35,8	38,1	NL56	TC-250	STC11
MTVOR-3232M6	960032M76	T_MA/C 66	32,0	32,0	177,8	9,6	41,1	38,1	NL66L	TC-310	STC8
MTVOL-3232M6	960032M76	T_MA/C 66	32,0	32,0	177,8	9,6	41,1	38,1	NL66L	TC-310	STC4

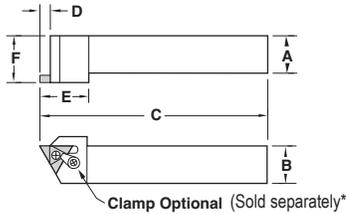
## EXTERNAL HOLDER

### STVOR/L

Threading/Grooving

Inch

Most holders available with coolant port  
(ie: Add CP to end of description)



### PARTS

Description	EDP Code	Insert	A	B	C	D	E	F	Screw	Clamp*	Clamp
									Screw	Clamp*	Screw
STVOR-123	98001248	T_MC 32	3/4	3/4	4-1/2	.15	1.08	1.00	SD-1	TC-190	STC9
STVOL-123	97801248	T_MC 32	3/4	3/4	4-1/2	.15	1.08	1.00	SD-1	TC-190	STC5
STVOR-163	98001648	T_MC 32	1	1	6	.15	1.08	1.25	SD-1	TC-190	STC5
STVOL-163	97801648	T_MC 32	1	1	6	.15	1.08	1.25	SD-1	TC-190	STC5
STVOR-124	98001256	T_MC 43	3/4	3/4	4-1/2	.23	1.23	1.00	SD-2	TC-190	STC9
STVOR-164	98001656	T_MC 43	1	1	6	.23	1.23	1.25	SD-2	TC-190	STC9
STVOL-164	97801656	T_MC 43	1	1	6	.23	1.23	1.25	SD-2	TC-190	STC9
STVOR-204	98002056	T_MC 43	1-1/4	1-1/4	7	.23	1.23	1.50	SD-2	TC-190	STC9
STVOR-165	98001664	T_MC 54	1	1	6	.29	1.43	1.25	SD-3	TC-250	STC11
STVOL-165	97801664	T_MC 54	1	1	6	.29	1.43	1.25	SD-3	TC-250	STC11
STVOR-205	98002064	T_MC 54	1-1/4	1-1/4	7	.29	1.43	1.50	SD-3	TC-250	STC11
STVOR-2055	98002066	T_MC 55	1-1/4	1-1/4	7	.37	1.43	1.50	SD-3	TC-250	STC11
STVOR-206	98002076	T_MC 66	1-1/4	1-1/4	7	.37	1.62	1.50	SD-4	TC-310	STC4
STVOR-246	98002476	T_MC 66	1-1/2	1-1/2	7	.37	1.62	2.00	SD-4	TC-310	STC4



**ON-EDGE**

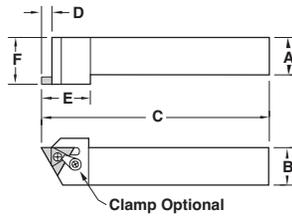
**EXTERNAL HOLDER**

**STVOR/L**

Threading/Grooving

**METRIC**

Most holders available with coolant port  
(ie: Add CP to end of description)



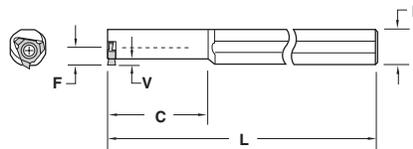
**PARTS**

Description	EDP Code	Insert	A	B	C	D	E	F	Screw	Clamp	Clamp Screw
									SD-2	TC-190	STC9
STVOR-2525M4	980125M56	T_MC 43	25,0	25,0	152,4	5,8	31,2	31,7	SD-2	TC-190	STC9
STVOL-2525M4	978025M56	T_MC 43	25,0	25,0	152,4	5,8	31,2	31,7	SD-2	TC-190	STC9
STVOR-3232M4	980132M56	T_MC 43	32,0	32,0	177,8	5,8	31,2	38,1	SD-2	TC-190	STC9
STVOR-2525M5	980125M64	T_MC 54	25,0	25,0	152,4	7,4	36,3	31,7	SD-3	TC-250	STC11
STVOL-2525M5	978025M64	T_MC 54	25,0	25,0	152,4	7,4	36,3	31,7	SD-3	TC-250	STC11
STVOR-3232M5	980132M64	T_MC 54	32,0	32,0	177,8	7,4	36,3	38,1	SD-3	TC-250	STC11
STVOR-323255	980132M66	T_MC 55	32,0	32,0	177,8	9,4	36,3	38,1	SD-3	TC-250	STC11
STVOR-3232M6	980132M76	T_MC 66	32,0	32,0	177,8	9,4	41,1	38,1	SD-4	TC-310	STC8

**GTB**

Threading/Grooving

Most bars available with coolant port  
(ie: Add CP to end of description)



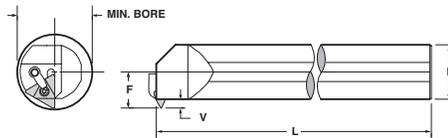
Description	EDP Code	Insert	Min. Bore	F	V	L	C	D	Torx Screw
GTB-062	93605000	TNEB 2.52	.862	.312	.070	6.00	2.00	.625	PT-324
GTB-075	93605200	TNEB 33	1.097	.375	.120	6.00	2.00	.750	PT-324

**INTERNAL BAR**

**SI-MTHOR/L**

Threading/Grooving

Most holders available with coolant port  
(ie: Add CP to end of description)



**PARTS**

Description	EDP Code	Insert	Min. Bore	D	L	F	V	Lock Pin	Clamp	Clamp Screw
								NL-33	TC-190	STC-5
SI-MTHOR-163	97301648	T_MA 32	1.383	1.000	14	.687	.120	NL-33	TC-190	STC-5
SI-MTHOL-163	97201648	T_MA 32	1.383	1.000	14	.687	.120	NL-33	TC-190	STC-5
SI-MTHOR-204	97302056	T_MA 43	1.815	1.250	14	.875	.190	NL-44	TC-190	STC-9
SI-MTHOL-204	97202056	T_MA 43	1.815	1.250	14	.875	.190	NL-44	TC-190	STC-9
SI-MTHOR-244	97302456	T_MA 43	1.892	1.500	14	1.000	.190	NL-44	TC-190	STC-5
SI-MTHOL-244	97202456	T_MA 43	1.892	1.500	14	1.000	.190	NL-44	TC-190	STC-5
SI-MTHOR-245	97302464	T_MA 54	2.125	1.500	14	1.073	.220	NL-56	TC-250	STC-11
SI-MTHOL-245	97202464	T_MA 54	2.125	1.500	14	1.073	.220	NL-56	TC-250	STC-11
SI-MTHOR-325	97303264	T_MA 54	2.750	2.000	16	1.323	.220	NL-56	TC-250	STC-11
SI-MTHOR-406	97304076	T_MA 66	3.250	2.500	16	1.625	.320	NL-66L	TC-380	STC-19

**METRIC**

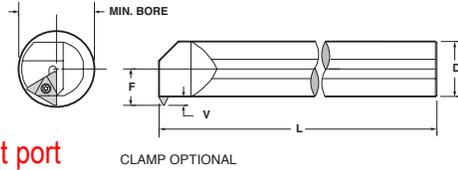
**PARTS**

Description	EDP Code	Insert	Min. Bore	D	L	F	V	Lock Pin	Clamp	Clamp Screw
								NL-44	TC-190	STC-9
SI-MTHOR-32M4	973032M56	T_MA 43	46,1	32,0	355,6	22,5	4,8	NL-44	TC-190	STC-9
SI-MTHOL-32M4	972032M56	T_MA 43	46,1	32,0	355,6	22,5	4,8	NL-44	TC-190	STC-9
SI-MTHOR-40M4	973040M56	T_MA 43	48,1	40,0	355,6	25,9	4,8	NL-44	TC-190	STC-5
SI-MTHOL-40M4	972040M56	T_MA 43	48,1	40,0	355,6	25,9	4,8	NL-44	TC-190	STC-5
SI-MTHOR-50M4	973050M56	T_MA 43	69,9	50,0	406,4	32,9	4,8	NL-44	TC-190	STC-5
SI-MTHOR-60M4	973060M56	T_MA 43	82,6	60,0	406,4	36,8	4,8	NL-44	TC-190	STC-5
SI-MTHOR-63M4	973063M56	T_MA 43	89,0	63,0	406,4	40,0	4,8	NL-44	TC-190	STC-5
SI-MTHOR-40M5	973040M64	T_MA 54	48,1	40,0	355,6	25,9	5,6	NL-56	TC-250	STC-11
SI-MTHOL-40M5	972040M64	T_MA 54	48,1	40,0	355,6	25,9	5,6	NL-56	TC-250	STC-11
SI-MTHOR-50M5	973050M64	T_MA 54	69,9	50,0	406,4	32,9	5,6	NL-56	TC-250	STC-11
SI-MTHOR-60M5	973060M64	T_MA 54	82,6	60,0	406,4	36,8	5,6	NL-56	TC-250	STC-11
SI-MTHOR-63M5	973063M64	T_MA 54	89,0	63,0	406,4	40,0	5,6	NL-56	TC-250	STC-11
SI-MTHOR-50M6	973050M76	T_MA 66	69,9	50,0	406,4	32,9	8,1	NL-66L	TC-380	STC-19
SI-MTHOR-63M6	973063M76	T_MA 66	89,0	63,0	406,4	40,0	8,1	NL-66L	TC-380	STC-19



## SI-STHOR/L

Threading/Grooving



Most holders available with coolant port  
(ie: Add CP to end of description)

### PARTS

Description	EDP Code	Insert	Min. Bore	D	L	F	V	Screw	Clamp*	Clamp Screw
SI-STHOR-163	97601648	T_MC 32	1.383	1.000	14	.687	.120	SD-1	TC-190	STC-9
SI-STHOL-163	97501648	T_MC 32	1.383	1.000	14	.687	.120	SD-1	TC-190	STC-9
SI-STHOR-204	97602056	T_MC 43	1.815	1.250	14	.875	.190	SD-2	TC-190	STC-9
SI-STHOL-204	97502056	T_MC 43	1.815	1.250	14	.875	.190	SD-2	TC-190	STC-9
SI-STHOR-244	97602456	T_MC 43	1.892	1.500	14	1.000	.190	SD-2	TC-190	STC-9
SI-STHOL-244	97502456	T_MC 43	1.892	1.500	14	1.000	.190	SD-2	TC-190	STC-9
SI-STHOR-245	97602464	T_MC 54	2.240	1.500	14	1.073	.220	SD-3	TC-250	STC-11
SI-STHOL-245	97502464	T_MC 54	2.240	1.500	16	1.323	.220	SD-3	TC-250	STC-11
SI-STHOR-325	97603264	T_MC 54	2.750	2.000	16	1.323	.220	SD-3	TC-250	STC-11
SI-STHOR-406	97604076	T_MC 66	3.250	2.500	16	1.625	.320	SD-4	TC-380	STC-19

\*Clamp optional and sold separately.

## METRIC

### PARTS

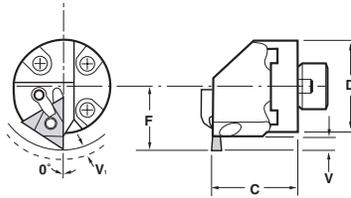
Description	EDP Code	Insert	Min. Bore	D	L	F	V	Screw	Clamp	Clamp Screw
SI-STHOR-25M3	976025M48	T_MC 32	35,1	25,0	355,6	17,4	3,1	SD-1	TC-190	STC-9
SI-STHOL-25M3	975025M48	T_MC 32	35,1	25,0	355,6	17,4	3,1	SD-1	TC-190	STC-9
SI-STHOR-32M4	976032M56	T_MC 43	46,1	32,0	355,6	22,5	4,8	SD-2	TC-190	STC-9
SI-STHOL-32M4	975032M56	T_MC 43	46,1	32,0	355,6	22,5	4,8	SD-2	TC-190	STC-9
SI-STHOR-40M4	976040M56	T_MC 43	48,1	40,0	355,6	25,9	4,8	SD-2	TC-190	STC-9
SI-STHOL-40M4	975040M56	T_MC 43	48,1	40,0	355,6	25,9	4,8	SD-2	TC-190	STC-9
SI-STHOR-40M5	976040M64	T_MC 54	48,1	40,0	355,6	26,8	5,6	SD-3	TC-250	STC-11
SI-STHOL-40M5	975040M64	T_MC 54	56,9	40,0	406,4	33,6	5,6	SD-3	TC-250	STC-11
SI-STHOR-50M5	976050M64	T_MC 54	69,9	50,0	406,4	33,6	5,6	SD-3	TC-250	STC-11
SI-STHOR-60M6	976060M76	T_MC 66	82,6	60,0	406,4	40,6	8,1	SD-4	TC-380	STC-19

\*Clamp optional and sold separately.

## INTERCHANGEABLE HEADS

### H-MTHOR/L\*

Most holders available with coolant port  
(ie: Add CP to end of description)



RH SHOWN

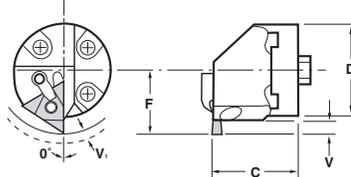
### PARTS

Description	EDP Code	Insert	D	C	F	Min. Bore	Clamp	Clamp Screw	Lock Pin
H16-MTHOR-3	9IH7301648	T_MA/C 32	1.000	1.625	0.688	1.690	TC-190	STC-5	NL-33
H20-MTHOR-3	9IH7302048	T_MA/C 32	1.250	1.625	0.798	1.788	TC-190	STC-5	NL-33
H24-MTHOR-3	9IH7302448	T_MA/C 32	1.500	1.625	0.923	1.875	TC-190	STC-5	NL-33
H20-MTHOR-4	9IH7302056	T_MA/C 43	1.250	1.625	1.048	2.420	TC-190	STC-5	NL-44
H24-MTHOR-4	9IH7302456	T_MA/C 43	1.500	1.625	1.173	2.625	TC-190	STC-5	NL-44
H28-MTHOR-4	9IH7302856	T_MA/C 43	1.750	1.625	1.298	2.875	TC-190	STC-5	NL-44
H32-MTHOR-4	9IH7303256	T_MA/C 43	2.000	1.625	1.423	2.875	TC-190	STC-5	NL-44
H40-MTHOR-4	9IH7304056	T_MA/C 43	2.500	1.625	1.673	3.375	TC-190	STC-5	NL-44
H24-MTHOR-5	9IH7302464	T_MA/C 54	1.500	1.625	1.173	3.200	TC-250	STC-11	NL-56
H28-MTHOR-5	9IH7302864	T_MA/C 54	1.750	1.625	1.298	3.250	TC-250	STC-11	NL-56
H32-MTHOR-5	9IH7303264	T_MA/C 54	2.000	1.625	1.423	3.250	TC-250	STC-11	NL-56
H40-MTHOR-5	9IH7304064	T_MA/C 54	2.500	1.625	1.673	3.375	TC-250	STC-11	NL-56

\*Left hand quoted on request.

## HS-MTHOR/L\*

Most holders available with coolant port  
(ie: Add CP to end of description)



RH SHOWN

### PARTS

Description	EDP Code	Insert	D	C	F	Min. Bore	Clamp	Clamp Screw	Lock Pin
HS25-MTHOR-3	9IHS73025M48	TNMA/C 32	0.98	0.98	0.678	1.690	TC-190	STC-5	NL-33
HS32-MTHOR-3	9IHS73032M48	TNMA/C 32	1.26	1.26	0.800	1.788	TC-190	STC-5	NL-33
HS40-MTHOR-3	9IHS73040M48	TNMA/C 32	1.57	1.26	0.933	1.875	TC-190	STC-5	NL-33
HS32-MTHOR-4	9IHS73032M56	TNMA/C 43	1.26	1.26	1.050	2.420	TC-190	STC-5	NL-44
HS40-MTHOR-4	9IHS73040M56	TNMA/C 43	1.57	1.26	1.203	2.625	TC-190	STC-5	NL-44
HS50-MTHOR-4	9IHS73050M56	TNMA/C 43	1.97	1.57	1.413	2.875	TC-190	STC-5	NL-44
HS60-MTHOR-4	9IHS73060M56	TNMA/C 43	2.36	1.57	1.603	3.375	TC-190	STC-5	NL-44
HS40-MTHOR-5	9IHS73040M64	TNMA/C 54	1.57	1.26	1.203	3.200	TC-250	STC-11	NL-56
HS50-MTHOR-5	9IHS73050M64	TNMA/C 54	1.97	1.57	1.413	3.250	TC-250	STC-11	NL-56
HS60-MTHOR-5	9IHS73060M64	TNMA/C 54	2.36	1.57	1.603	3.375	TC-250	STC-11	NL-56

\*Left hand quoted on request.