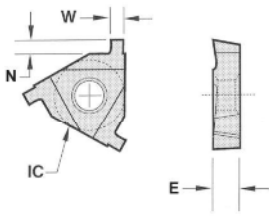




GROOVING

LT43/LT53



EXT Shown

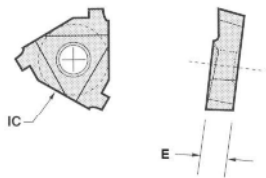
Insert Description

Specifications

	inch.	mm	D	IC	E
LT43 NGR W.094 EXT	.094	2,39	.094	.500	.189
LT53 NGR W.125 EXT	.125	3,18	.125	.625	.189
LT43 NGR W.094 INT	.094	2,39	.094	.500	.189
LT53 NGR W.125 INT	.125	3,18	.125	.625	.189

API BUTTRESS THREADING

LT43/LT53



FC designates 5° flank clearance

EXT Shown
INT Opposite

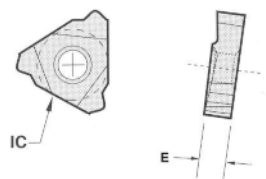
Insert Description

Specifications

	TPI	TPF	IC	E	Conn. No. or Size
LT43 5B75 EXT	5	3/4			4-1/2 - 13-3/8
LT43 5B1 EXT	5	1			16 and larger
LT43 8B75 EXT	8	3/4	.500	.189	U.S. Improved Buttress
LT43 5B75 EXT-FC	5	3/4			4-1/2 - 13-3/8
LT43 5B1 EXT-FC	5	1			16 and larger
LT53 5B75 EXT	5	3/4			4-1/2 - 13-3/8
LT53 5B1 EXT	5	1			16 and larger
LT53 8B75 EXT	8	3/4	.625	.189	U.S. Improved Buttress
LT53 5B75 EXT-FC	5	3/4			4-1/2 - 13-3/8
LT53 5B1 EXT-FC	5	1			16 and larger
LT43 5B75 INT-FC	5	3/4			4-1/2 - 13-3/8
LT43 5B1 INT-FC	5	1			16 and larger
LT43 5B75 INT	5	3/4	.500	.189	4-1/2 - 13-3/8
LT43 5B1 INT	5	1			16 and larger
LT43 8B75 INT	8	3/4			U.S. Improved Buttress
LT53 5B75 INT	5	3/4			4-1/2 - 13-3/8
LT53 5B1 INT	5	1			16 and larger
LT53 8B75 INT	8	3/4	.625	.189	U.S. Improved Buttress
LT53 5B75 INT-FC	5	3/4			4-1/2 - 13-3/8
LT53 5B1 INT-FC	5	1			16 and larger

API HUGHES H90 THREADING

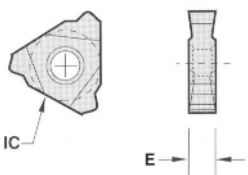
LT53



EXT Shown

LT53 H902 EXT	3-1/2	2			3-1/2 - 6-5/8 H90
LT53 H903 EXT	3-1/2	3	.625	.189	7 - 8-5/8 H90
LT53 H90S EXT	3	1-1/4			2-3/8 - 3-1/2 Slimline
LT53 H902 INT	3-1/2	2			3-1/2 - 6-5/8 H90
LT53 H903 INT	3-1/2	3	.625	.189	7 - 8-5/8 H90
LT53 H90S INT	3	1-1/4			2-3/8 - 3-1/2 Slimline

API HUGHES H90 THREADING LTDS DOUBLE SIDED



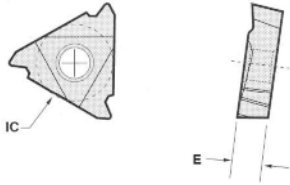
EXT Shown

LTDS 54 H902	3-1/2	2			3-1/2 - 6-3/8 H90
LTDS 54 H903	3-1/2	3	.625	.252	7 - 8-5/8 H90
LTDS 54 H90S	3	1-1/4			2-3/8 - 3-1/2 Slimline



API ROTARY SHOULDER CONNECTION THREADING

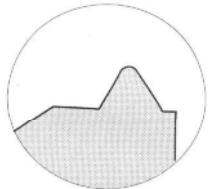
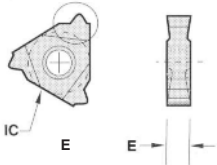
LT43/LT53



EXT Shown
INT Opposite

API ROTARY SHOULDER CONNECTION THREADING

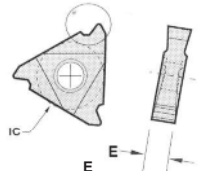
LTDS DOUBLE SIDED FULL TOPPING



EXT Side Shown

API ROTARY SHOULDER CONNECTION THREADING

LTDS DOUBLE SIDED FOLLOW TOPPING



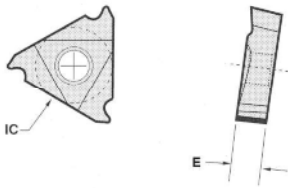
EXT Side Shown

Insert Description	Specifications				
	TPI	TPF	IC	E	Conn. No. or Size
LT43 425 EXT		2			4-1/2 - 13-3/8
LT43 428 EXT		2			16 and larger
LT43 42F EXT	4				U.S. Improved Buttress
LT43 435 EXT			.500	.189	4-1/2 - 13-3/8
LT43 438 EXT		3			16 and larger
LT43 530 EXT	5				4-1/2 - 13-3/8
LT43 4PAC EXT	4	1-1/2			16 and larger
LT53 425 EXT		2			U.S. Improved Buttress
LT53 428 EXT		2			4-1/2 - 13-3/8
LT53 42F EXT	4				16 and larger
LT53 435 EXT			.625	.189	4-1/2 - 13-3/8
LT53 438 EXT		3			16 and larger
LT53 530 EXT	5				4-1/2 - 13-3/8
LT53 4PAC EXT	4	1-1/2			16 and larger
LT43 425 INT		2			U.S. Improved Buttress
LT43 428 INT		2			4-1/2 - 13-3/8
LT43 42F INT	4				16 and larger
LT43 435 INT			.500	.189	U.S. Improved Buttress
LT43 438 INT		3			4-1/2 - 13-3/8
LT43 530 INT	5				16 and larger
LT43 4PAC INT	4	1-1/2			3-1/2 - 6-5/8 H90
LT53 425 INT		2			7 - 8-5/8 H90
LT53 428 INT		2			2-3/8 - 3-1/2 Slimline
LT53 42F INT	4				3-1/2 - 6-5/8 H90
LT53 435 INT			.625	.189	7 - 8-5/8 H90
LT53 438 INT		3			2-3/8 - 3-1/2 Slimline
LT53 530 INT	5				
LT53 4PAC INT	4	1-1/2			
LTDS 54 428		2			NC23-NC50 2-3/8 - 5-1/2 IF
LTDS 54 438	4	3			NC56-NC71
LTDS 54 425		2			5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.
LTDS 54 435		3	.625	.252	5-1/2 Reg. 7-5/8 Reg 8-5/8 Reg.
LTDS 54 530	5				3-1/2 FH 2-3/8 - 4-1/2 Reg.
LTDS 54 42F	4	2			V0.065*
LTDS 54 4PAC		1-1/2			American Open Hole
LTDS 54 428 FT		2			NC23-NC50 2-3/8 - 5-1/2 IF
LTDS 54 438 FT	4	3			NC56-NC71
LTDS 54 425 FT		2			5-1/2 FH, 6-5/8 FH, 6-5/8 Reg.
LTDS 54 435 FT		3	.625	.252	5-1/2 Reg. 7-5/8 Reg 8-5/8 Reg.
LTDS 54 530 FT	5				3-1/2 FH 2-3/8 - 4-1/2 Reg.
LTDS 54 42F FT	4	2			V0.065*
LTDS 54 4PAC FT		1-1/2			American Open Hole



API ROUND THREADING

LT43/LT53



EXT Shown
INT Opposite

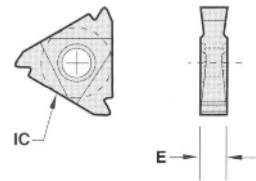
Insert Description

Specifications

	TPI	TPF	IC	E	Conn. No. or Size
LT43 8RD EXT	8	3/4	.500	.189	
LT43 10RD EXT	10	3/4	.500	.189	
LT53 8RD EXT	8	3/4	.625	.189	
LT43 8RD INT	8	3/4	.500	.189	
LT43 10RD INT	10	3/4	.500	.189	
LT53 8RD INT	8	3/4	.625	.189	

API ROUND THREADING

LTDS DOUBLE SIDED

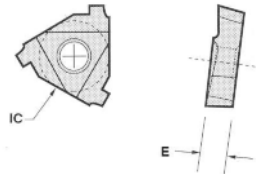


EXT Shown
INT Opposite

LTDS 43 10RD	10	3/4	.500	.189	
LTDS 43 8RD	8				
LTDS 54 8RD	8	3/4	.625	.252	
LTDS 54 10RD	10				

API VAM THREADING

LT43

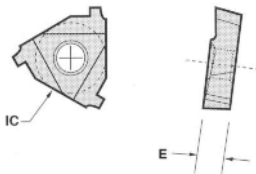


EXT Shown
INT Opposite

LT43 5VAM EXT	5				
LT43 6VAM EXT	6	3/4	.500	.189	-
LT43 8VAM EXT	8				
LT43 5VAM INT	5				
LT43 6VAM INT	6	3/4	.500	.189	-
LT43 8VAM INT	8				

API X-LINE THREADING

LT43/LT53



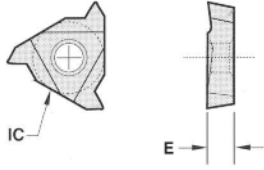
EXT Shown
INT Opposite

LT43 6XL15 EXT	6	1-1/2			5 - 7-5/8
LT43 6XL75 EXT	6	3/4	.500	.189	-
LT43 5XL12 EXT	5	1-1/4			8-5/8 - 10-3/4
LT53 6XL15 EXT	6	1-1/2	.625	.189	5 - 7-5/8
LT53 6XL75 EXT	6	3/4	.500	.189	-
LT53 5XL12 EXT	5	1-1/4			8-5/8 - 10-3/4
LT43 6XL15 INT	6	1-1/2			5 - 7-5/8
LT43 6XL75 INT	6	3/4	.500	.189	-
LT43 5XL12 INT	5	1-1/4			8-5/8 - 10-3/4
LT53 6XL15 INT	6	1-1/2	.625	.189	5 - 7-5/8
LT53 6XL75 INT	6	3/4	.625	.189	-
LT53 5XL12 INT	5	1-1/4			8-5/8 - 10-3/4



NPT THREADING

LT43



EXT Shown

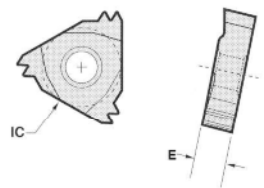
Insert Description

Specifications

	TPI	F	IC	E
LT43 8NPT EXT	8	3/4	.500	.189
LT43 11.5NPT EXT	11.5			
LT43 8NPT INT	8	3/4	.500	.189
LT43 11.5 INT	11.5			

NPT THREADING

LT43 MULTI-TOOTH



EXT Shown

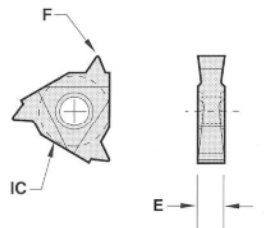
L43 11.5NPT2M EXT

L43 11.5NPT2M INT

L43 11.5NPT2M EXT	11.5	3/4	.500	.189
L43 11.5NPT2M INT	11.5	3/4	.500	.189

NPT THREADING

LTDS DOUBLE SIDED



EXT Shown

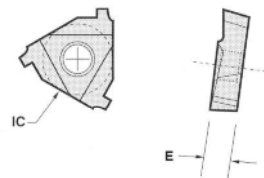
Insert Description

Specifications

	TPI	F	IC	E
LTDS 43 8NPT	8			
LTDS 43 11.5NPT	11.5	3/4	.500	.189
LTDS 43 14NPT	14			

PITTSBURG

LT43/LT53



EXT Shown

LT43 8PA75 EXT

LT53 8PA75 EXT

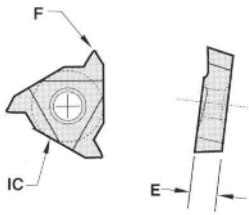
LT43 8PA75 INT

LT53 8PA75 INT

LT43 8PA75 EXT	8	3/4	.500	.189
LT53 8PA75 EXT	8	3/4	.625	.189
LT43 8PA75 INT	8	3/4	.500	.189
LT53 8PA75 INT	8	3/4	.625	.189



V-THREAD 60°
LT43



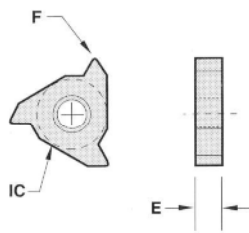
EXT Shown

Insert Description

Specifications

	TPI	F	IC	E
LT43 NV EXT	8-48	.006/.005	.500	.189
LT53 NV EXT	5-32		.625	.189
LT43 NV INT	8-48	.006/.005	.500	.189
LT53 NV INT	5-32		.625	.189

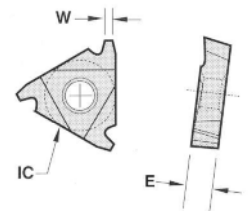
V-THREAD 60°
LTDS 43 DOUBLE SIDED



EXT Shown

LTDS 43NV	0120000	8-48	.500	.189
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ACME THREADING
LT43/LT53



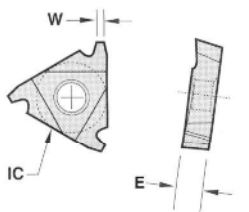
EXT Shown
INT Opposite

Insert Description

Specifications

	TPI	W	IC	E
LT43 NT 8P EXT	8	0.411		
LT43 NT 6P EXT	6	0.566	.500	.189
LT43 NT 5P EXT	5	.0689		
LT53 NT 4P EXT	4	.0875	.625	.189
LT43 NT 8P INT	8	0.411		
LT43 NT 6P INT	6	0.566	.500	.189
LT43 NT 5P INT	5	.0689		
LT53 NT 4P INT	4	.0875	.625	.189

ACME STUB THREDDING
LT43/LT53



EXT Shown
INT Opposite

LT43 NT 6P STUB EXT	6	.0652	.500	.189
LT53 NT 4P STUB EXT	4	.1004	.625	.189
LT43 NT 6P STUB INT	6	.0652	.500	.189
LT53 NT 4P STUB INT	4	.1004	.625	.189