

Threading Turning Insert Naming Rules

Cutting Direction

R/L/T 16 01 G A 60 M

RT	LT
right hand	left hand

Number of Teeth

R/L/T 16 01 G A 60 M

01	N
Single-teeth	N-teeth

Pitch Width

R/L/T 16 01 G A 60 M

	A	AG	G	N	Q		
mm	0.5-1.5	1.0-3.0	1.75-3.0	3.5-5.0	5.5-6.0		
TPI	48-16	26-10	14-8	7-5	4.5-4		

Insert Size

R/L/T 16 01 G A 60 M

L(mm)	IC(mm)	L(mm)	IC(mm)
6	3.97	16	9.525
8	4.76	22	12.7
11	6.35	27	15.875

Insert Type

R/L/T 16 01 G A 60 M

Symbol	Type
G	External threading
L	Internal threading

Threading Turning insert Naming Rules

Thread Profile

R/L/T 16 01 G A 60 M

Symbol	Thread Profile
55	55° general pitch thread
60	60° general pitch thread
ISO	ISO metric thread
UN	Unified thread (American standard thread)
W	Whitworth thread
BSPT	British standard taper pipe thread
NPT	NPT American standard taper pipe thread
UNJ	UNJ American standard aerospace and aviation thread
RD	30° DIN405 round thread
APIRD	Petroleum pipeline thread
TR	Trapeze30° 103 30° ISO metric thread
ACME	29° American standard ACME thread
STACME	29° American standard STACME thread

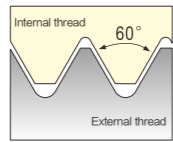
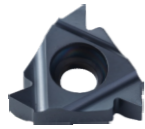
Production Method

R/L/T 16 01 G A 60 M

A	M
Full pressing	Fullground

Threading Insert

60° General Pitch Thread



▶ Application for insert

▶ Standard

it is suitable for all machining

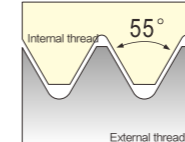
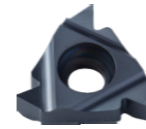
▶ Tolerance grade

External thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT0601G-A60M	0.5-1.25	48-16
R/LT1601G-A60M	0.5-1.5	48-16
R/LT1601G-AG60M	0.5-1.5	26-8
R/LT1601G-G60M	0.5-3.0	14-8
R/LT2201G-N60M	0.5-1.5	7-5
R/LT2701G-Q60M	0.5-3.0	4.5-4

Internal thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT0601L-A60M	0.5-1.25	48-20
R/LT0801L-A60M	0.5-1.5	48-16
R/LT1101L-A60M	0.5-1.5	48-16
R/LT1101L-AG60M	1.0-2.5	26-9
R/LT1601L-A60M	0.5-1.5	48-16
R/LT1601L-AG60M	1.0-3.0	26-8
R/LT1601L-G60M	1.75-3.0	14-8
R/LT2201L-N60M	3.5-5.0	7-5
R/LT2701L-Q60-M	5.5-6.0	4.5-4

Threading Insert

55° General Pitch Thread



▶ Application for insert

▶ Standard

it is suitable for all machining

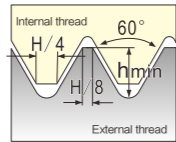
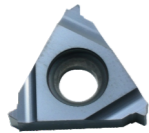
▶ Tolerance grade

External thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT1101G-A55M	0.5-1.5	48-16
R/LT1601G-A55M	0.5-1.5	48-16
R/LT1601G-AG55M	1.0-3.0	26-8
R/LT1601G-G55M	1.75-3.0	14-8
R/LT2201G-N55M	3.5-5.0	7-5
R/LT2701G-Q55M	5.5-6.0	4.5-4

Internal thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT0601L-A55M	0.5-1.25	48-20
R/LT0801L-A55M	0.5-1.5	48-16
R/LT1101L-A55M	0.5-1.5	48-16
R/LT1101L-AG55M	1.0-2.5	26-9
R/LT1601L-A55M	0.5-1.5	48-16
R/LT1601L-AG55M	1.0-3.0	26-8
R/LT1601L-G55M	1.75-3.0	14-8
R/LT2201L-N55M	3.5-5.0	7-5
R/LT2701L-Q55M	5.5-6.0	4.5-4

Threading Insert

ISO Metric Thread



► Application for insert

It is suitable for all machining

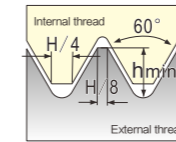
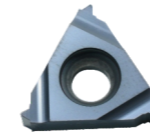
► Standard
MR262(DIN13)

► Tolerance grade
6g/6H

External thread				Internal thread			
Ground type	A type	Applicative pitch		Ground type	A type	Applicative pitch	
		mm	TPI			mm	TPI
				R/LT0601L-050ISOM		0.5	0.29
				R/LT0601L-075ISOM		0.75	0.43
				R/LT0601L-100ISOM		1.00	0.58
				R/LT0601L-125ISOM		1.25	0.72
				R/LT0801L-050ISOM		0.5	0.29
				R/LT0801L-075ISOM		0.75	0.43
				R/LT0801L-100ISOM		1.00	0.58
				R/LT0801L-125ISOM		1.25	0.72
				R/LT0801L-150ISOM		1.50	0.87
				R/LT0801L-175ISOM		1.75	1.01
R/LT1101G-050ISOM		0.50	0.31	R/LT1101L-050ISOM		0.50	0.29
R/LT1101G-075ISOM		0.75	0.46	R/LT1101L-075ISOM		0.75	0.43
R/LT1101G-080ISOM		0.8	0.49	R/LT1101L-080ISOM		0.8	0.46
R/LT1101G-100ISOM		1.00	0.61	R/LT1101L-100ISOM		1.00	0.58
R/LT1101G-125ISOM		1.25	0.77	R/LT1101L-125ISOM		1.25	0.72
R/LT1101G-150ISOM		1.50	0.92	R/LT1101L-150ISOM		1.50	0.87
R/LT1101G-175ISOM		1.75	1.07	R/LT1101L-175ISOM		1.75	1.01
R/LT1101G-200ISOM		2.00	1.23	R/LT1101L-200ISOM		2.00	1.15
R/LT1601G-050ISOM		0.50	0.31	R/LT1601L-050ISOM		0.50	0.29
R/LT1601G-075ISOM		0.75	0.46	R/LT1601L-075ISOM		0.75	0.43
R/LT1601G-080ISOM		0.80	0.49	R/LT1601L-080ISOM		0.80	0.46
R/LT1601G-100ISOM		1.00	0.61	R/LT1601L-100ISOM		1.00	0.58
R/LT1601G-125ISOM		1.25	0.77	R/LT1601L-125ISOM		1.25	0.72
R/LT1601G-150ISOM	RT1601G-150ISOA	1.50	0.92	R/LT1601L-150ISOM	RT1601L-150ISOA	1.50	0.87
R/LT1601G-175ISOM		1.75	1.07	R/LT1601L-175ISOM		1.75	1.01
R/LT1601G-200ISOM	RT1601G-200ISOA	2.00	1.23	R/LT1601L-200ISOM	RT1601L-200ISOA	2.00	1.15
R/LT1601G-250ISOM	RT1601G-250ISOA	2.50	1.53	R/LT1601L-250ISOM	RT1601L-250ISOA	2.50	1.44
R/LT1601G-300ISOM	RT1601G-300ISOA	3.00	1.84	R/LT1601L-300ISOM	RT1601L-300ISOA	3.00	1.73
R/LT1601G-350ISOM		3.50	2.15	R/LT1601L-350ISOM		3.50	2.02
R/LT2201G-350ISOM		3.50	2.15	R/LT2201L-350ISOM		3.50	2.02
R/LT2201G-400ISOM		4.00	2.45	R/LT2201L-400ISOM		4.00	2.31
R/LT2201G-450ISOM		4.5	2.76	R/LT2201L-450ISOM		4.5	2.60
R/LT2201G-500ISOM		5.00	3.07	R/LT2201L-500ISOM		5.00	2.89
R/LT2701G-550ISOM		5.50	3.37	R/LT2701L-550ISOM		5.50	3.17
R/LT2701G-600ISOM		6.00	3.68	R/LT2701L-600ISOM		6.00	3.46

Threading Insert

Unified Thread (American Standard Thread)



► Application for insert

It is suitable for all machining

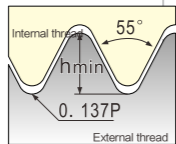
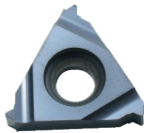
► Standard
ANSI B1.1:74

► Tolerance grade
2A/2B

External thread			Internal thread		
Ground type	Applicative pitch		Ground type	Applicative pitch	
	mm	TPI		mm	TPI
			R/LT0601L-28UNM	28	0.52
			R/LT0601L-24UNM	24	0.61
			R/LT0601L-20UNM	20	0.73
			R/LT0601L-18UNM	18	0.81
			R/LT0801L-28UNM	28	0.52
			R/LT0801L-24UNM	24	0.61
			R/LT0801L-20UNM	20	0.73
			R/LT0801L-18UNM	18	0.81
			R/LT0801L-16UNM	16	0.92
R/LT1101G-28UNM	28	0.56	R/LT1101L-28UNM	28	0.52
R/LT1101G-24UNM	24	0.65	R/LT1101L-24UNM	24	0.61
R/LT1101G-20UNM	20	0.78	R/LT1101L-20UNM	20	0.73
R/LT1101G-18UNM	18	0.87	R/LT1101L-18UNM	18	0.81
R/LT1101G-16UNM	16	0.97	R/LT1101L-16UNM	16	0.92
R/LT1101G-14UNM	14	1.11	R/LT1101L-14UNM	14	1.05
R/LT1101G-12UNM	12	1.30	R/LT1101L-12UNM	12	1.22
R/LT1601G-48UNM	48	0.30	R/LT1601L-48UNM	48	0.31
R/LT1601G-40UNM	40	0.39	R/LT1601L-40UNM	40	0.37
R/LT1601G-32UNM	32	0.49	R/LT1601L-32UNM	32	0.46
R/LT1601G-28UNM	28	0.56	R/LT1601L-28UNM	28	0.52
R/LT1601G-24UNM	24	0.65	R/LT1601L-24UNM	24	0.61
R/LT1601G-20UNM	20	0.78	R/LT1601L-20UNM	20	0.73
R/LT1601G-18UNM	18	0.87	R/LT1601L-18UNM	18	0.81
R/LT1601G-16UNM	16	0.97	R/LT1601L-16UNM	16	0.92
R/LT1601G-14UNM	14	1.11	R/LT1601L-14UNM	14	1.05
R/LT1601G-12UNM	12	1.30	R/LT1601L-12UNM	12	1.22
R/LT1601G-11UNM	11	1.42	R/LT1601L-11UNM	11	1.28
R/LT1601G-10UNM	10	1.56	R/LT1601L-10UNM	10	1.47
R/LT1601G-9UNM	9	1.73	R/LT1601L-9UNM	9	1.63
R/LT1601G-8UNM	8	1.95	R/LT1601L-8UNM	8	1.83
R/LT2201G-7UNM	7	2.22	R/LT2201L-7UNM	7	2.09
R/LT2201G-6UNM	6	2.60	R/LT2201L-6UNM	6	2.44
R/LT2201G-5UNM	5	3.12	R/LT2201L-5UNM	5	2.93
R/LT2701G-4.5UNM	4.5	3.46	R/LT2701L-4.5UNM	4.5	3.26
R/LT2701G-4UNM	4	3.89	R/LT2701L-4UNM	4	3.67

Threading Insert

Whitworth Thread



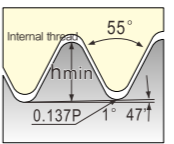
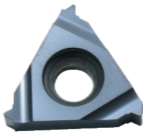
Application for insert
It is suitable for all machining

- Standard
B.S.84:1956,
DIN259,ISO228/1:1982
- Tolerance grade
Medium class A

External thread				Internal thread			
Ground type	A type	Applicative pitch		Ground type	A type	Applicative pitch	
		mm	TPI			mm	TPI
				R/LT0601L-28WM		28	0.58
				R/LT0601L-24WM		24	0.68
				R/LT0601L-20WM		20	0.51
				R/LT0601L-19WM		19	0.90
				R/LT0801L-28WM		28	0.58
				R/LT0801L-24WM		24	0.68
				R/LT0801L-20WM		20	0.81
				R/LT0801L-19WM		19	0.90
				R/LT0801L-16WM		16	1.02
R/LT1101G-28WM		28	0.58	R/LT1101L-28WM		28	0.58
R/LT1101G-24WM		24	0.68	R/LT1101L-24WM		24	0.68
R/LT1101G-20WM		20	0.81	R/LT1101L-20WM		20	0.81
R/LT1101G-19WM		19	0.90	R/LT1101L-19WM		19	0.90
R/LT1101G-16WM		16	1.02	R/LT1101L-16WM		16	1.02
R/LT1101G-14WM		14	1.16	R/LT1101L-14WM		14	1.16
R/LT1101G-11WM		11	1.48	R/LT1101L-11WM		11	1.48
R/LT1601G-48WM		48	0.34	R/LT1601L-48WM		48	0.34
R/LT1601G-40WM		40	0.41	R/LT1601L-40WM		40	0.41
R/LT1601G-32WM		32	0.51	R/LT1601L-32WM		32	0.51
R/LT1601G-28WM		28	0.58	R/LT1601L-28WM		28	0.58
R/LT1601G-26WM		26	0.63	R/LT1601L-26WM		26	0.63
R/LT1601G-24WM		24	0.68	R/LT1601L-24WM		24	0.68
R/LT1601G-20WM		20	0.81	R/LT1601L-20WM		20	0.81
R/LT1601G-19WM		19	0.90	R/LT1601L-19WM		19	0.90
R/LT1601G-16WM		16	1.02	R/LT1601L-16WM		16	1.02
R/LT1601G-14WM	RT1601G-14WA	14	1.16	R/LT1601L-14WM	RT1601L-14WA	14	1.16
R/LT1601G-12WM		12	1.36	R/LT1601L-12WM		12	1.36
R/LT1601G-11WM	RT1601G-11WA	11	1.48	R/LT1601L-11WM	RT1601L-11WA	11	1.48
R/LT1601G-10WM		10	1.63	R/LT1601L-10WM		10	1.63
R/LT1601G-9WM		9	1.81	R/LT1601L-9WM		9	1.81
R/LT1601G-8WM		8	2.03	R/LT1601L-8WM		8	2.03
R/LT2201G-7WM		7	2.41	R/LT2201L-7WM		7	2.41
R/LT2201G-6WM		6	2.71	R/LT2201L-6WM		6	2.71
R/LT2201G-5WM		5	3.25	R/LT2201L-5WM		5	3.25
R/LT2701G-4.5WM		4.5	3.61	R/LT2701L-4.5WM		4.5	3.61
R/LT2701G-4WM		4	4.07	R/LT2701L-4WM		4	4.07

Threading Insert

British Standard Taper Pipe Thread



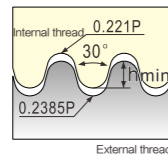
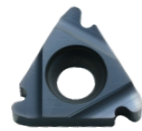
Application for insert
It is suitable for all machining

- Standard
B.S.21:1985
- Tolerance grade

External thread				Internal thread			
Ground type	Full pressed	Applicative pitch		Ground type	Full pressed	Applicative pitch	
		mm	TPI			mm	TPI
				R/LT0601L-28BSPTM		28	0.58
				R/LT0801L-28BSPTM		28	0.58
				R/LT0801L-19BSPTM		19	0.86
				R/LT1101L-19BSPTM		19	0.86
				R/LT1101L-14BSPTM		14	1.16
				R/LT1101L-11BSPTM		11	1.48
R/LT1601G-28BSPTM		28	0.58	R/LT1601L-28BSPTM		28	0.58
R/LT1601G-19BSPTM		19	0.86	R/LT1601L-19BSPTM		19	0.86
R/LT1601G-14BSPTM	RT1601G-14BSPTA	14	1.16	R/LT1601L-14BSPTM	RT1601L-14BSPTA	14	1.16
R/LT1601G-11BSPTM	RT1601G-11BSPTA	11	1.48	R/LT1601L-11BSPTM	RT1601L-11BSPTA	11	1.48

Threading Insert

30° DIN405 Round Thread



► Application for insert

It is suitable for all machining

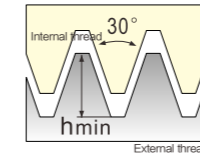
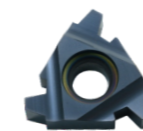
► Standard
DIN405

► Tolerance grade
7h/7H

External thread			Internal thread		
Ground type	Applicative pitch		Ground type	Applicative pitch	
	mm	TPI		mm	TPI
R/LT1601G-10RDM	10	1.27	R/LT1601L-10RDM	10	1.27
R/LT1601G-8RDM	8	1.59	R/LT1601L-8RDM	8	1.59
R/LT1601G-6RDM	6	2.12	R/LT1601L-6RDM	6	2.12
R/LT2201G-6RDM	6	2.12	R/LT2201L-6RDM	6	2.12
R/LT2201G-4RDM	4	3.18	R/LT2201L-4RDM	4	3.18

Threading Insert

30° ISO Metric Thread



► Application for insert

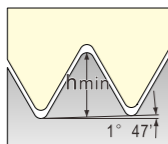
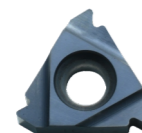
It is suitable for all machining

► Standard
DIN103

► Tolerance grade
7e/7H

External thread			Internal thread		
Ground type	Applicative pitch		Ground type	Applicative pitch	
	mm	TPI		mm	TPI
R/LT1601G-1.5TRM	1.5	0.90	R/LT1601L-1.5TRM	1.5	0.90
R/LT1601G-2TRM	2	1.25	R/LT1601L-2TRM	2	1.25
R/LT1601G-3TRM	3	1.75	R/LT1601L-3TRM	3	1.75
R/LT2201G-4TRM	4	2.25	R/LT2201L-4TRM	4	2.25
R/LT2201G-5TRM	5	2.75	R/LT2201L-5TRM	5	2.75
R/LT2701G-6TRM	6	3.50	R/LT2701L-6TRM	6	3.50
R/LT2701G-7TRM	7	4.00	R/LT2701L-7TRM	7	4.00

Petroleum Pipeline Threading insert



► Application for insert

It is suitable for all machining

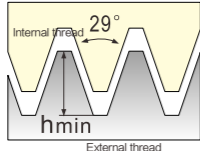
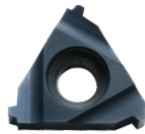
► Standard
STD.5B.1979

► Tolerance grade

external thread			internal thread		
ground type	applicative pitch		ground type	applicative pitch	
	mm	TPI		mm	TPI
R/LT1601G-10APIRDM	10	1.41	R/LT1601L-10APIRDM	10	1.41
R/LT1601G-8APIRDM	8	1.81	R/LT1601L-8APIRDM	8	1.81

Threading Insert

29° American ACME Thread



► Application for insert

It is suitable for all machining

► Standard
ANSI B1.5:1988

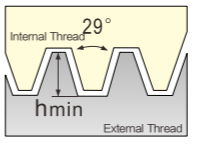
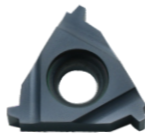
► Tolerance grade
3G

External thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT1601G-12ACMEM	12	1.19
R/LT1601G-10ACMEM	10	1.52
R/LT1601G-8ACMEM	8	1.84
R/LT2201G-6ACMEM	6	2.37
R/LT2201G-5ACMEM	5	2.79
R/LT2701G-4ACMEM	4	3.43

Internal thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT1601L-8ACMEM	8	1.84
R/LT2201L-6ACMEM	6	2.37
R/LT2201L-5ACMEM	5	2.79
R/LT2701L-4ACMEM	4	3.43

Threading Insert

29° American STACME Thread



► Application for insert

It is suitable for all machining

► Standard
ANSI B1.8:1988

► Tolerance grade
2G

External thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT1601G-12STACMEM	12	0.76
R/LT1601G-10STACMEM	10	1.02
R/LT1601G-8STACMEM	8	1.21
R/LT2201G-6STACMEM	6	1.52
R/LT2201G-5STACMEM	5	1.78
R/LT2701G-4STACMEM	4	2.16
R/LT2701G-3STACMEM	3	2.79

Internal thread		
Ground type	Applicative pitch	
	mm	TPI
R/LT2201L-5STACMEM	5	1.78
R/LT2701L-4STACMEM	4	2.16
R/LT2701L-3STACMEM	3	2.79