

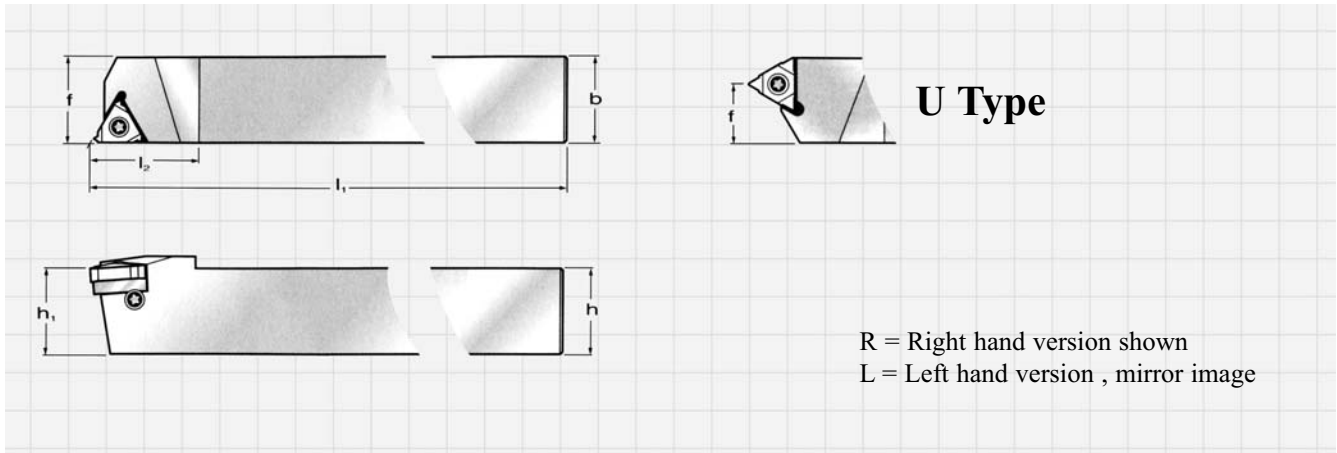
Premier

Manufacturers of Precision Ground Cutting Tools



Threading
GTi
e - Catalogue

Type SER/L Toolholder



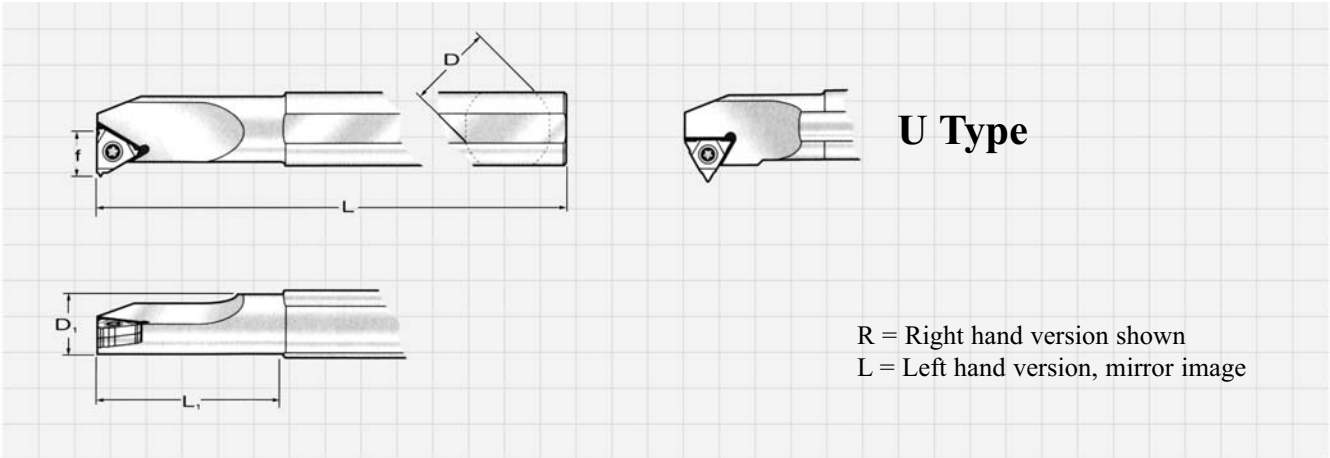
External toolholders

Part No.	Insert edge length L mm	Insert IC inch	B, H mm	L mm	F mm	Standard anvil	Insert screw	Anvil screw	Torx key
SER/L 0808 H11	11	1/4"	8	100	11	-	S11	-	K11
SER/L 1010 H11	11	1/4"	10	100	11	-	S11	-	K11
SER/L 1212 F16	16	3/8"	12	80	16	AE16	S16	A16	K16
SER/L 1616 H16	16	3/8"	16	100	16	AE16	S16	A16	K16
SER/L 2020 K16	16	3/8"	20	125	20	AE16	S16	A16	K16
SER /L 2525 M16	16	3/8"	25	150	25	AE16	S16	A16	K16
SER/L 3232 P16	16	3/8"	32	170	32	AE16	S16	A16	K16
SER/L 2525 M22	22	1/2"	25	150	25	AE22	S22	A22	K22
SER/L 3232 P22	22	1/2"	32	170	32	AE22	S22	A22	K22
SER/L 4040 R22	22	1/2"	40	200	40	AE22	S22	A22	K22
SER/L 2525 M22U	22U	1/2"U	25	150	28	AE22U	S22	A22	K22
SER/L 3232 P22U	22U	1/2"U	32	170	32	AE22U	S22	A22	K22
SER/L 4040 R22U	22U	1/2"U	40	200	40	AE22U	S22	A22	K22
SER/L 2525 M27	27	5/8"	25	150	32	AE27	S27	A27	K27
SER/L 3232 P27	27	5/8"	32	170	32	AE27	S27	A27	K27
SER/L 4040 R27	27	5/8"	40	200	40	AE27	S27	A27	K27
SER/L 2525 M27U	27U	5/8"U	25	150	32	AE27U	S27	A27	K27
SER/L 3232 P27U	27U	5/8"U	32	170	32	AE27U	S27	A27	K27
SER/L 4040 R27U	27U	5/8"U	40	200	40	AE27U	S27	A27	K27

For right hand tools specify SER, for left hand tools specify SEL

For current stock availability, refer to our latest price list

Type SIR/L Toolholder

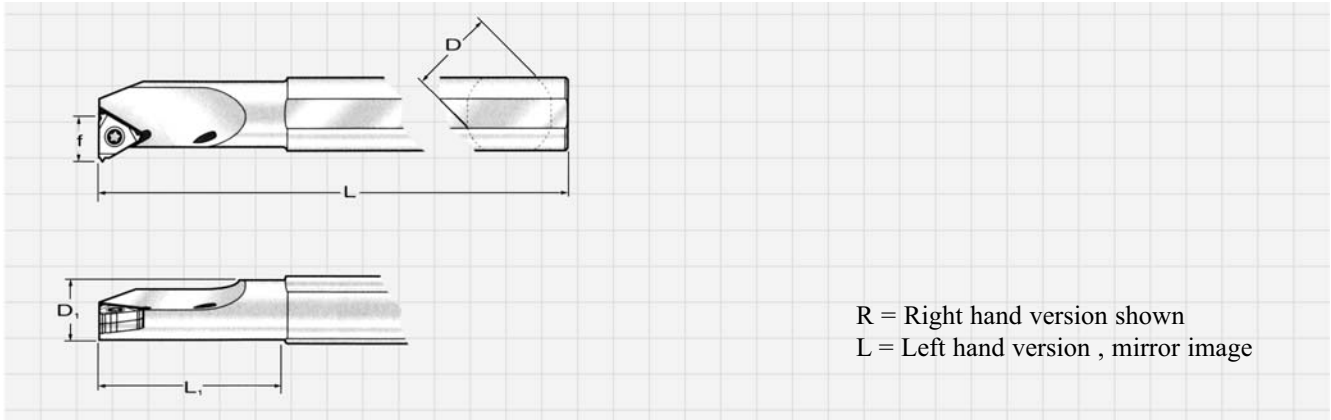


Internal toolholders

Part No.	Insert edge length L mm	Insert IC inch	Min bore diameter mm	D mm	D1 mm	L mm	L1 mm	F mm	Standard anvil	Insert screw	Anvil Screw	Torx key
SIR/L 0005 H06	6	5/32"	6	12	5.1	100	12	4.3	-	S6	-	K6
SIR/L 0007 K08	8	3/16"	7.8	16	6.6	125	18	5.3	-	S8	-	K8
SIR/L 0008 K08U	8U	3/16"U	9	16	7.3	125	21	6.6	-	S8	-	K8
SIR/L 0010 H11	11	1/4"	12	10	10	100	-	7.4	-	S11	-	K11
SIR/L 0010 K11	11	1/4"	12	16	10	125	25	7.4	-	S11	-	K11
SIR/L 0013 L11	11	1/4"	15	16	13	140	32	8.9	-	S11	-	K11
SIR/L 0013 M16	16	3/8"	16	16	13	150	32	10.2	-	S16	-	K16
SIR/L 0016 P16	16	3/8"	19	20	16	170	40	11.7	-	S16	-	K16
SIR/L 0020 P16	16	3/8"	24	20	20	170	-	13.7	AI16	S16	A16	K16
SIR/L 0025 R16	16	3/8"	29	25	25	200	-	16.2	AI16	S16	A16	K16
SIR/L 0032 S16	16	3/8"	36	32	32	250	-	19.7	AI16	S16	A16	K16
SIR/L 0040 T16	16	3/8"	44	40	40	300	-	23.7	AI16	S16	A16	K16
SIR/L 0050 U16	16	3/8"	54	50	50	350	-	28.7	AI16	S16	A16	K16
SIR/L 0020 P22	22	1/2"	24	20	20	170	-	15.6	-	S22	-	K22
SIR/L 0025 R22	22	1/2"	29	25	25	200	-	18.1	AI22	S22	A22	K22
SIR/L 0032 S22	22	1/2"	38	32	32	250	-	21.6	AI22	S22	A22	K22
SIR/L 0040 T22	22	1/2"	46	40	40	300	-	25.6	AI22	S22	A22	K22
SIR/L 0050 U22	22	1/2"	56	50	50	350	-	30.6	AI22	S22	A22	K22
SIR/L 0032 S22U	22U	1/2"U	38	32	32	250	-	24.4	AI22U	S22	A22	K22
SIR/L 0040 T22U	22U	1/2"U	46	40	40	300	-	28.1	AI22U	S22	A22	K22
SIR/L 0032 S27	27	5/8"	40	32	32	250	-	22.6	AI27	S27	A27	K27
SIR/L 0040 T27	27	5/8"	48	40	40	300	-	26.6	AI27	S27	A27	K27
SIR/L 0050 U27	27	5/8"	58	50	50	350	-	31.6	AI27	S27	A27	K27
SIR/L 0060 V27	27	5/8"	68	60	60	400	-	36.6	AI27	S27	A27	K27
SIR/L 0032 S27U	27U	5/8"U	40	32	32	250	-	25.8	AI27U	S27	A27	K27
SIR/L 0040 T27U	27U	5/8"U	48	40	40	300	-	29.4	AI27U	S27	A27	K27
SIR/L 0050 U27U	27U	5/8"U	58	50	50	350	-	34.3	AI27U	S27	A27	K27
SIR/L 0060 V27U	27U	5/8"U	68	60	60	400	-	39.7	AI27U	S27	A27	K27

For right hand tools specify SIR, for left hand tools specify SIL

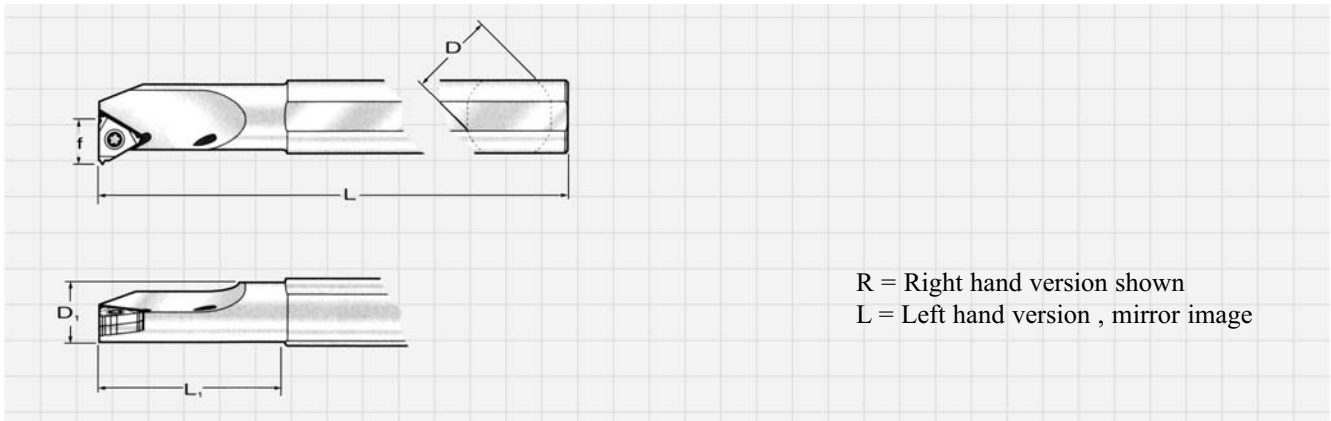
Type SIR/L Toolholder



Internal toolholders with coolant feed

Part No.	Insert edge length L mm	Insert IC inch	Min bore diameter mm	D mm	D1 mm	L mm	L1 mm	F mm	Standard anvil	Insert screw	Anvil Screw	Torx key
SIR/L 0010 K11B	11	1/4"	12	16	10	125	25	7.4	-	S11	-	K11
SIR/L 0013 M16B	16	3/8"	16	16	13	150	32	10.2	-	S16	-	K16
SIR/L 0016 P16B	16	3/8"	19	20	16	170	40	11.7	-	S16	-	K16
SIR/L 0020 P16B	16	3/8"	24	20	20	170	-	13.7	A116	S16	A16	K16
SIR/L 0025 R16B	16	3/8"	29	25	25	200	-	16.2	A116	S16	A16	K16
SIR/L 0025 R22B	22	1/2"	29	25	25	200	-	18.1	A122	S22	A22	K22

For right hand tools specify SIR, for left hand tools specify SIL

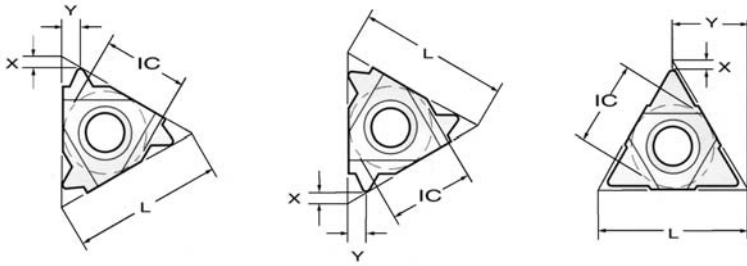


Internal toolholders with carbide shank and coolant feed

Part No.	Insert edge length L mm	Insert IC inch	Min bore diameter mm	D mm	D1 mm	L mm	L1 mm	F mm	Standard anvil	Insert screw	Anvil Screw	Torx key
SIR/L 0005 H06CB	6	5/32"	6	6	5.1	100	26	4.3	-	S6	-	K6
SIR/L 0007 K08CB	8	3/16"	7.8	8	6.6	125	31	5.3	-	S6	-	K6
SIR/L 0008 K08UCB	8U	3/16"U	9	8	7.3	125	35	6.6	-	S8	-	K8
SIR/L 0010 M11CB	11	1/4"	12	10	10	150	-	7.4	-	S11	-	K11
SIR/L 0012 P11CB	11	1/4"	15	12	12	170	-	8.4	-	S11	-	K11
SIR/L 0016 R16CB	16	3/8"	19	16	16	200	-	11.7	-	S16	-	K16
SIR/L 0020 S16CB	16	3/8"	23	20	20	250	-	13.7	A116	S16	A16	K16
SIR/L 0025 S16CB	16	3/8"	28	25	25	250	-	16.2	A116	S16	A16	K16

For right hand tools specify SIR, for left hand tools specify SIL

For current stock availability, refer to our latest price list



Partial profile 60° form threading inserts

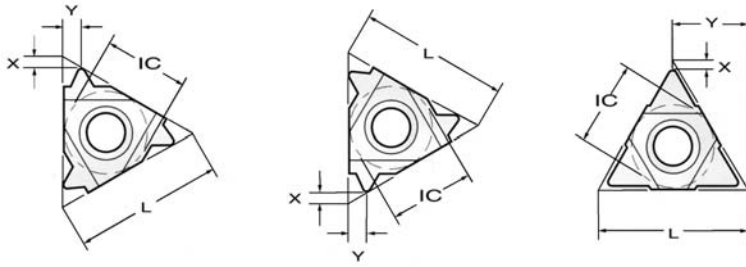
L mm	IC inch	Pitch range		INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available grades			
		mm	TPI	Right Hand	Left hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	0.5-1.25	48 - 20	06 IR A60	06 IL A60	0.6	0.6					●	●	●	●
8	3/16"	0.5-1.50	48 - 16	08 IR A60	08 IL A60	0.6	0.7					●	●	●	●
8U	3/16"U	1.75-2.0	14 - 11	08U IRL U60		0.8	4.0					●	●	●	●
11	1/4"	0.5-1.50	48 - 16	11 IR A60	11 IL A60	0.8	0.9	11 ER A60	11 EL A60	0.8	0.9	●	●	●	●
16	3/8"	0.5-1.5	48 - 16	16 IR A60	16 IL A60	0.8	0.9	16 ER A60	16 EL A60	0.8	0.9	●	●	●	●
		1.75-3.0	14 - 8	16 IR G60	16 IL G60	1.2	1.7	16 ER G60	16 EL G60	1.2	1.7	●	●	●	●
		0.5-3.0	48 - 8	16 IR AG60	16 IL AG60	1.2	1.7	16 ER AG60	16 EL AG60	1.2	1.7	●	●	●	●
22	1/2"	3.5-5.0	7 - 5	22 IR N60	22 IL N60	1.7	2.5	22 ER N60	22 EL N60	1.7	2.5	●	●	●	●
22U	1/2"U	5.5-8.0	4.5-3.25	22U XRL U60		0.6	11.0	22U XRL U60		0.6	11.0	●	●	●	●
27	5/8"	5.5-6.0	4.5 - 4	27 IR Q60	27 IL Q60	2.1	3.1	27 ER Q60	27 EL Q60	2.1	3.1	●	●	●	●
27U	5/8"U	6.5-9.0	4 - 2.75	27U XRL U60		1.0	13.7	27U XRL U60		1.0	13.7	●	●	●	●

Partial profile 55° form threading inserts

L mm	IC inch	Pitch range		INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available grades			
		mm	TPI	Right Hand	Left hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	0.5-1.25	48 - 20	06 IR A55	06 IL A55	0.5	0.6					●	●	●	●
8	3/16"	0.5-1.50	48 - 16	08 IR A55	08 IL A55	0.6	0.7					●	●	●	●
8U	3/16"U	1.75-2.0	14 - 11	08U IRL U55		0.9	4.0					●	●	●	●
11	1/4"	0.5-1.50	48 - 16	11 IR A55	11 IL A55	0.8	0.9	11 ER A55	11 EL A55	0.8	0.9	●	●	●	●
16	3/8"	0.5-1.5	48 - 16	16 IR A55	16 IL A55	0.8	0.9	16 ER A55	16 EL A55	0.8	0.9	●	●	●	●
		1.75-3.0	14 - 8	16 IR G55	16 IL G55	1.2	1.7	16 ER G55	16 EL G55	1.2	1.7	●	●	●	●
		0.5-3.0	48 - 8	16 IR AG55	16 IL AG55	1.2	1.7	16 ER AG55	16 EL AG55	1.2	1.7	●	●	●	●
22	1/2"	3.5-5.0	7 - 5	22 IR N55	22 IL N55	1.7	2.5	22 ER N55	22 EL N55	1.7	2.5	●	●	●	●
22U	1/2"U	5.5-8.0	4.5-3.25	22U XRL U55		0.9	11.0	22U XRL U55		0.9	11.0	●	●	●	●
27	5/8"	5.5-6.0	4.5 - 4	27 IR Q55	27 IL Q55	2.0	2.9	27 ER Q55	27 EL Q55	2.0	2.9	●	●	●	●
27U	5/8"U	6.5-9.0	4 - 2.75	27U XRL U55		1.2	13.7	27U XRL U55		1.2	13.7	●	●	●	●

Special forms and other profiles are available on request

For current stock availability, refer to our latest price list

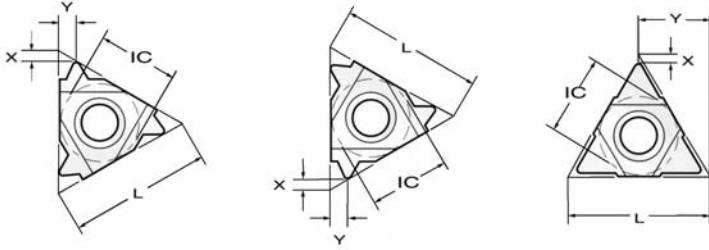


Full profile ISO threading inserts

Special forms and other profiles are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	0.50	06 IR 0.5 ISO	06 IL 0.5 ISO	0.9	0.5					•	•	•	•
		0.75	06 IR 0.75 ISO	06 IL 0.75 ISO	0.8	0.5					•	•	•	•
		1.00	06 IR 1.0 ISO	06 IL 1.0 ISO	0.7	0.6					•	•	•	•
		1.25	06 IR 1.25 ISO	06 IL 1.25 ISO	0.6	0.6					•	•	•	•
8	3/16"	0.50	08 IR 0.5 ISO	08 IL 0.5 ISO	0.6	0.5					•	•	•	•
		0.75	08 IR 0.75 ISO	08 IL 0.75 ISO	0.6	0.5					•	•	•	•
		1.00	08 IR 1.0 ISO	08 IL 1.0 ISO	0.6	0.6					•	•	•	•
		1.25	08 IR 1.25 ISO	08 IL 1.25 ISO	0.6	0.7					•	•	•	•
		1.50	08 IR 1.5 ISO	08 IL 1.5 ISO	0.6	0.7					•	•	•	•
1.75	08 IR 1.75 ISO	08 IL 1.75 ISO	0.6	0.8					•	•	•	•		
8U	3/16"U	2.00	08U IRL 2.0 ISO		0.9	4.0					•	•	•	•
11	1/4"	0.35	11 IR 0.35 ISO	11 IL 0.35 ISO	0.8	0.3	11 ER 0.35 ISO	11 EL 0.35 ISO	0.8	0.4	•	•	•	•
		0.40	11 IR 0.4 ISO	11 IL 0.4 ISO	0.8	0.4	11 ER 0.4 ISO	11 EL 0.4 ISO	0.7	0.4	•	•	•	•
		0.45	11 IR 0.45 ISO	11 IL 0.45 ISO	0.8	0.4	11 ER 0.45 ISO	11 EL 0.45 ISO	0.7	0.4	•	•	•	•
		0.50	11 IR 0.5 ISO	11 IL 0.5 ISO	0.6	0.6	11 ER 0.5 ISO	11 EL 0.5 ISO	0.6	0.6	•	•	•	•
		0.60	11 IR 0.6 ISO	11 IL 0.6 ISO	0.6	0.6	11 ER 0.6 ISO	11 EL 0.6 ISO	0.6	0.6	•	•	•	•
		0.70	11 IR 0.7 ISO	11 IL 0.7 ISO	0.6	0.6	11 ER 0.7 ISO	11 EL 0.7 ISO	0.6	0.6	•	•	•	•
		0.75	11 IR 0.75 ISO	11 IL 0.75 ISO	0.6	0.6	11 ER 0.75 ISO	11 EL 0.75 ISO	0.6	0.6	•	•	•	•
		0.80	11 IR 0.8 ISO	11 IL 0.8 ISO	0.6	0.6	11 ER 0.8 ISO	11 EL 0.8 ISO	0.6	0.6	•	•	•	•
		1.00	11 IR 1.0 ISO	11 IL 1.0 ISO	0.6	0.7	11 ER 1.0 ISO	11 EL 1.0 ISO	0.7	0.7	•	•	•	•
		1.25	11 IR 1.25 ISO	11 IL 1.25 ISO	0.8	0.8	11 ER 1.25 ISO	11 EL 1.25 ISO	0.8	0.9	•	•	•	•
		1.50	11 IR 1.5 ISO	11 IL 1.5 ISO	0.8	1.0	11 ER 1.5 ISO	11 EL 1.5 ISO	0.8	1.0	•	•	•	•
		1.75	11 IR 1.75 ISO	11 IL 1.75 ISO	0.8	1.1	11 ER 1.75 ISO	11 EL 1.75 ISO	0.8	1.1	•	•	•	•
2.00	11 IR 2.0 ISO	11 IL 2.0 ISO	0.8	0.9	11 ER 2.0 ISO	11 EL 2.0 ISO	0.8	0.9	•	•	•	•		
2.50	11 IR 2.5 ISO	11 IL 2.5 ISO			11 ER 2.5 ISO	11 EL 2.5 ISO			•	•	•	•		
16	3/8"	0.35	16 IR 0.35 ISO	16 IL 0.35 ISO	0.8	0.3	16 ER 0.35 ISO	16 EL 0.35 ISO	0.8	0.4	•	•	•	•
		0.40	16 IR 0.4 ISO	16 IL 0.4 ISO	0.8	0.4	16 ER 0.4 ISO	16 EL 0.4 ISO	0.7	0.4	•	•	•	•
		0.45	16 IR 0.45 ISO	16 IL 0.45 ISO	0.8	0.4	16 ER 0.45 ISO	16 EL 0.45 ISO	0.7	0.4	•	•	•	•
		0.50	16 IR 0.5 ISO	16 IL 0.5 ISO	0.6	0.6	16 ER 0.5 ISO	16 EL 0.5 ISO	0.6	0.6	•	•	•	•
		0.60	16 IR 0.6 ISO	16 IL 0.6 ISO	0.6	0.6	16 ER 0.6 ISO	16 EL 0.6 ISO	0.6	0.6	•	•	•	•
		0.70	16 IR 0.7 ISO	16 IL 0.7 ISO	0.6	0.6	16 ER 0.7 ISO	16 EL 0.7 ISO	0.6	0.6	•	•	•	•
		0.75	16 IR 0.75 ISO	16 IL 0.75 ISO	0.6	0.6	16 ER 0.75 ISO	16 EL 0.75 ISO	0.6	0.6	•	•	•	•
		0.80	16 IR 0.8 ISO	16 IL 0.8 ISO	0.6	0.6	16 ER 0.8 ISO	16 EL 0.8 ISO	0.6	0.6	•	•	•	•
		1.00	16 IR 1.0 ISO	16 IL 1.0 ISO	0.6	0.7	16 ER 1.0 ISO	16 EL 1.0 ISO	0.7	0.7	•	•	•	•
		1.25	16 IR 1.25 ISO	16 IL 1.25 ISO	0.8	0.9	16 ER 1.25 ISO	16 EL 1.25 ISO	0.8	0.9	•	•	•	•
		1.50	16 IR 1.5 ISO	16 IL 1.5 ISO	0.8	1.0	16 ER 1.5 ISO	16 EL 1.5 ISO	0.8	1.0	•	•	•	•
		1.75	16 IR 1.75 ISO	16 IL 1.75 ISO	0.9	1.2	16 ER 1.75 ISO	16 EL 1.75 ISO	0.9	1.2	•	•	•	•
2.00	16 IR 2.0 ISO	16 IL 2.0 ISO	1.0	1.3	16 ER 2.0 ISO	16 EL 2.0 ISO	1.0	1.3	•	•	•	•		
2.50	16 IR 2.5 ISO	16 IL 2.5 ISO	1.1	1.5	16 ER 2.5 ISO	16 EL 2.5 ISO	1.1	1.5	•	•	•	•		
3.00	16 IR 3.0 ISO	16 IL 3.0 ISO	1.1	1.5	16 ER 3.0 ISO	16 EL 3.0 ISO	1.2	1.6	•	•	•	•		
3.50	16 IR 3.5 ISO	16 IL 3.5 ISO			16 ER 3.5 ISO	16 EL 3.5 ISO			•	•	•	•		
22	1/2"	3.50	22 IR 3.5 ISO	22 IL 3.5 ISO	1.6	2.3	22 ER 3.5 ISO	22 EL 3.5 ISO	1.6	2.3	•	•	•	•
		4.00	22 IR 4.0 ISO	22 IL 4.0 ISO	1.6	2.3	22 ER 4.0 ISO	22 EL 4.0 ISO	1.6	2.3	•	•	•	•
		4.50	22 IR 4.5 ISO	22 IL 4.5 ISO	1.6	2.4	22 ER 4.5 ISO	22 EL 4.5 ISO	1.7	2.4	•	•	•	•
		5.00	22 IR 5.0 ISO	22 IL 5.0 ISO	1.6	2.3	22 ER 5.0 ISO	22 EL 5.0 ISO	1.7	2.5	•	•	•	•
22U	1/2"U	5.50	22U IRL 5.5 ISO		2.4	11.0	22U ERL 5.5 ISO		2.3	11.0	•	•	•	•
		6.00	22U IRL 6.0 ISO		2.4	11.0	22U ERL 6.0 ISO		2.6	11.0	•	•	•	•
27	5/8"	5.50	27 IR 5.5 ISO	27 IL 5.5 ISO	1.6	2.3	27 ER 5.5 ISO	27 EL 5.5 ISO	1.9	2.7	•	•	•	•
		6.00	27 IR 6.0 ISO	27 IL 6.0 ISO	1.8	2.5	27 ER 6.0 ISO	27 EL 6.0 ISO	2.0	2.9	•	•	•	•
27U	5/8"U	8.00	27U IRL 8.0 ISO		2.4	13.7	27U ERL 8.0 ISO		2.4	13.7	•	•	•	•

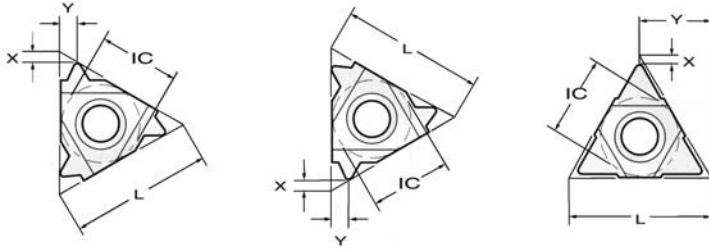
For current stock availability, refer to our latest price list



Full profile UN threading inserts

Special forms and other profiles
are available on request

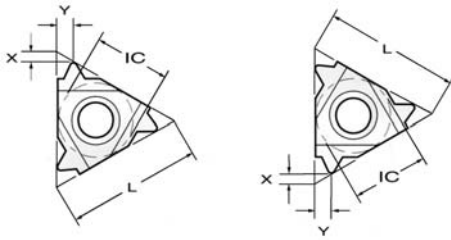
L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	32	06 IR 32 UN	06 IL 32 UN	0.8	0.5					•	•	•	•
		28	06 IR 28 UN	06 IL 28 UN	0.8	0.6					•	•	•	•
		24	06 IR 24 UN	06 IL 24 UN	0.7	0.6					•	•	•	•
		20	06 IR 20 UN	06 IL 20 UN	0.6	0.6					•	•	•	•
		18	06 IR 18 UN	06 IL 18 UN	0.6	0.7					•	•	•	•
8	3/16"	32	08 IR 32 UN	08 IL 32 UN	0.6	0.5					•	•	•	•
		28	08 IR 28 UN	08 IL 28 UN	0.6	0.6					•	•	•	•
		24	08 IR 24 UN	08 IL 24 UN	0.6	0.6					•	•	•	•
		20	08 IR 20 UN	08 IL 20 UN	0.6	0.7					•	•	•	•
		18	08 IR 18 UN	08 IL 18 UN	0.6	0.7					•	•	•	•
		16	08 IR 16 UN	08 IL 16 UN	0.6	0.7					•	•	•	•
8U	3/16"	14	08 IR 14 UN	08 IL 14 UN	0.6	0.8					•	•	•	•
		13	08U IRL 13 UN		1.0	4.0					•	•	•	•
11	1/4"	12	08U IRL 12 UN		0.9	4.0					•	•	•	•
		11	08U IRL 11 UN		0.9	4.0					•	•	•	•
		72	11 IR 72 UN	11 IL 72 UN	0.8	0.3	11 ER 72 UN	11 EL 72 UN	0.8	0.4	•	•	•	•
		64	11 IR 64 UN	11 IL 64 UN	0.8	0.4	11 ER 64 UN	11 EL 64 UN	0.8	0.4	•	•	•	•
		56	11 IR 56 UN	11 IL 56 UN	0.7	0.4	11 ER 56 UN	11 EL 56 UN	0.7	0.4	•	•	•	•
		48	11 IR 48 UN	11 IL 48 UN	0.6	0.6	11 ER 48 UN	11 EL 48 UN	0.6	0.6	•	•	•	•
		44	11 IR 44 UN	11 IL 44 UN	0.6	0.6	11 ER 44 UN	11 EL 44 UN	0.6	0.6	•	•	•	•
		40	11 IR 40 UN	11 IL 40 UN	0.6	0.6	11 ER 40 UN	11 EL 40 UN	0.6	0.6	•	•	•	•
		36	11 IR 36 UN	11 IL 36 UN	0.6	0.6	11 ER 36 UN	11 EL 36 UN	0.6	0.6	•	•	•	•
		32	11 IR 32 UN	11 IL 32 UN	0.6	0.6	11 ER 32 UN	11 EL 32 UN	0.6	0.6	•	•	•	•
		28	11 IR 28 UN	11 IL 28 UN	0.6	0.7	11 ER 28 UN	11 EL 28 UN	0.6	0.7	•	•	•	•
		27	11 IR 27 UN	11 IL 27 UN	0.7	0.8	11 ER 27 UN	11 EL 27 UN	0.7	0.8	•	•	•	•
		24	11 IR 24 UN	11 IL 24 UN	0.7	0.8	11 ER 24 UN	11 EL 24 UN	0.7	0.8	•	•	•	•
		20	11 IR 20 UN	11 IL 20 UN	0.8	0.9	11 ER 20 UN	11 EL 20 UN	0.8	0.9	•	•	•	•
		18	11 IR 18 UN	11 IL 18 UN	0.8	1.0	11 ER 18 UN	11 EL 18 UN	0.8	1.0	•	•	•	•
		16	11 IR 16 UN	11 IL 16 UN	0.9	1.1	11 ER 16 UN	11 EL 16 UN	0.9	1.1	•	•	•	•
		14	11 IR 14 UN	11 IL 14 UN	0.9	1.1	11 ER 14 UN	11 EL 14 UN	0.9	1.1	•	•	•	•
13	11 IR 13 UN	11 IL 13 UN	0.8	1.0	11 ER 13 UN	11 EL 13 UN			•	•	•	•		
12	11 IR 12 UN	11 IL 12 UN	0.9	1.1	11 ER 12 UN	11 EL 12 UN			•	•	•	•		
11	11 IR 11 UN	11 IL 11 UN	0.8	1.1	11 ER 11 UN	11 EL 11 UN			•	•	•	•		
10	11 IR 10 UN	11 IL 10 UN			11 ER 10 UN	11 EL 10 UN			•	•	•	•		
16	3/8"	72	16 IR 72 UN	16 IL 72 UN	0.8	0.3	16 ER 72 UN	16 EL 72 UN	0.8	0.4	•	•	•	•
		64	16 IR 64 UN	16 IL 64 UN	0.8	0.4	16 ER 64 UN	16 EL 64 UN	0.8	0.4	•	•	•	•
		56	16 IR 56 UN	16 IL 56 UN	0.7	0.4	16 ER 56 UN	16 EL 56 UN	0.7	0.4	•	•	•	•
		48	16 IR 48 UN	16 IL 48 UN	0.6	0.6	16 ER 48 UN	16 EL 48 UN	0.6	0.6	•	•	•	•
		44	16 IR 44 UN	16 IL 44 UN	0.6	0.6	16 ER 44 UN	16 EL 44 UN	0.6	0.6	•	•	•	•
		40	16 IR 40 UN	16 IL 40 UN	0.6	0.6	16 ER 40 UN	16 EL 40 UN	0.6	0.6	•	•	•	•
		36	16 IR 36 UN	16 IL 36 UN	0.6	0.6	16 ER 36 UN	16 EL 36 UN	0.6	0.6	•	•	•	•
		32	16 IR 32 UN	16 IL 32 UN	0.6	0.6	16 ER 32 UN	16 EL 32 UN	0.6	0.6	•	•	•	•
		28	16 IR 28 UN	16 IL 28 UN	0.6	0.7	16 ER 28 UN	16 EL 28 UN	0.6	0.7	•	•	•	•
		27	16 IR 27 UN	16 IL 27 UN	0.7	0.8	16 ER 27 UN	16 EL 27 UN	0.7	0.8	•	•	•	•
		24	16 IR 24 UN	16 IL 24 UN	0.7	0.8	16 ER 24 UN	16 EL 24 UN	0.7	0.8	•	•	•	•
		20	16 IR 20 UN	16 IL 20 UN	0.8	0.9	16 ER 20 UN	16 EL 20 UN	0.8	0.9	•	•	•	•
		18	16 IR 18 UN	16 IL 18 UN	0.8	1.0	16 ER 18 UN	16 EL 18 UN	0.8	1.0	•	•	•	•
		16	16 IR 16 UN	16 IL 16 UN	0.9	1.1	16 ER 16 UN	16 EL 16 UN	0.9	1.1	•	•	•	•
		14	16 IR 14 UN	16 IL 14 UN	0.9	1.2	16 ER 14 UN	16 EL 14 UN	1.0	1.2	•	•	•	•
		13	16 IR 13 UN	16 IL 13 UN	1.0	1.3	16 ER 13 UN	16 EL 13 UN	1.0	1.3	•	•	•	•
		12	16 IR 12 UN	16 IL 12 UN	1.1	1.4	16 ER 12 UN	16 EL 12 UN	1.1	1.4	•	•	•	•
11.5	16 IR 11.5 UN	16 IL 11.5 UN	1.1	1.5	16 ER 11.5 UN	16 EL 11.5 UN	1.1	1.5	•	•	•	•		
11	16 IR 11 UN	16 IL 11 UN	1.1	1.5	16 ER 11 UN	16 EL 11 UN	1.1	1.5	•	•	•	•		
10	16 IR 10 UN	16 IL 10 UN	1.1	1.5	16 ER 10 UN	16 EL 10 UN	1.1	1.5	•	•	•	•		
9	16 IR 9 UN	16 IL 9 UN	1.2	1.7	16 ER 9 UN	16 EL 9 UN	1.2	1.7	•	•	•	•		
8	16 IR 8 UN	16 IL 8 UN	1.1	1.5	16 ER 8 UN	16 EL 8 UN	1.2	1.6	•	•	•	•		
22	1/2"	7	22 IR 7 UN	22 IL 7 UN	1.6	2.3	22 ER 7 UN	22 EL 7 UN	1.6	2.3	•	•	•	•
		6	22 IR 6 UN	22 IL 6 UN	1.6	2.3	22 ER 6 UN	22 EL 6 UN	1.6	2.3	•	•	•	•
		5	22 IR 5 UN	22 IL 5 UN	1.6	2.3	22 ER 5 UN	22 EL 5 UN	1.6	2.3	•	•	•	•
22U	1/2"U	4.5	22U IRL 4.5 UN		2.4	11.0	22U ERL 4.5 UN		2.0	11.0	•	•	•	•
		4	22U IRL 4 UN		2.4	11.0	22U ERL 4 UN		2.0	11.0	•	•	•	•
27	5/8"	4.5	27 IR 4.5 UN	27 IL 4.5 UN	1.7	2.4	27 ER 4.5 UN	27 EL 4.5 UN	1.9	2.7	•	•	•	•
		4	27 IR 4 UN	27 IL 4 UN	1.8	2.7	27 ER 4 UN	27 EL 4 UN	2.1	3.0	•	•	•	•
27U	5/8"U	3	27U IRL 3UN		2.7	13.7	27U ERL 3UN		2.5	13.7	•	•	•	•



Full profile Whitworth threading inserts

Special forms and other profiles are available on request

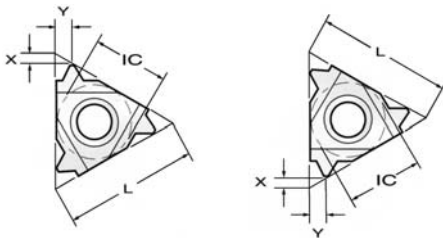
L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	26	06 IR 26 W	06 IL 26 W	0.7	0.6					●	●	●	●
		22	06 IR 22 W	06 IL 22 W	0.6	0.6					●	●	●	●
		20	06 IR 20 W	06 IL 20 W	0.6	0.7					●	●	●	●
		18	06 IR 18 W	06 IL 18 W	0.6	0.7					●	●	●	●
8	3/16"	28	08 IR 28 W	08 IL 28 W	0.6	0.6					●	●	●	●
		24	08 IR 24 W	08 IL 24 W	0.6	0.6					●	●	●	●
		20	08 IR 20 W	08 IL 20 W	0.6	0.7					●	●	●	●
		19	08 IR 19 W	08 IL 19 W	0.6	0.7					●	●	●	●
		18	08 IR 18 W	08 IL 18 W	0.6	0.7					●	●	●	●
		16	08 IR 16 W	08 IL 16 W	0.6	0.7					●	●	●	●
8U	3/16"U	14	08U IRL 14 W		1.0	4.0					●	●	●	●
		12	08U IRL 12 W		0.9	4.0					●	●	●	●
		11	08U IRL 11W		0.9	4.0					●	●	●	●
11	1/4"	72	11 IR 72 W	11 IL 72 W	0.7	0.4	11 ER 72 W	11 EL 72 W	0.7	0.4	●	●	●	●
		60	11 IR 60 W	11 IL 60 W	0.7	0.4	11 ER 60 W	11 EL 60 W	0.7	0.4	●	●	●	●
		56	11 IR 56 W	11 IL 56 W	0.7	0.4	11 ER 56 W	11 EL 56 W	0.7	0.4	●	●	●	●
		48	11 IR 48 W	11 IL 48 W	0.6	0.6	11 ER 48 W	11 EL 48 W	0.6	0.6	●	●	●	●
		40	11 IR 40 W	11 IL 40 W	0.6	0.6	11 ER 40 W	11 EL 40 W	0.6	0.6	●	●	●	●
		36	11 IR 36 W	11 IL 36 W	0.6	0.6	11 ER 36 W	11 EL 36 W	0.6	0.6	●	●	●	●
		32	11 IR 32 W	11 IL 32 W	0.6	0.6	11 ER 32 W	11 EL 32 W	0.6	0.6	●	●	●	●
		28	11 IR 28 W	11 IL 28 W	0.6	0.7	11 ER 28 W	11 EL 28 W	0.6	0.7	●	●	●	●
		26	11 IR 26 W	11 IL 26 W	0.7	0.7	11 ER 26 W	11 EL 26 W	0.7	0.7	●	●	●	●
		24	11 IR 24 W	11 IL 24 W	0.7	0.8	11 ER 24 W	11 EL 24 W	0.7	0.8	●	●	●	●
		22	11 IR 22 W	11 IL 22 W	0.8	0.9	11 ER 22 W	11 EL 22 W	0.8	0.9	●	●	●	●
		20	11 IR 20 W	11 IL 20 W	0.8	0.9	11 ER 20 W	11 EL 20 W	0.8	0.9	●	●	●	●
		19	11 IR 19 W	11 IL 19 W	0.8	1.0	11 ER 19 W	11 EL 19 W	0.8	1.0	●	●	●	●
		18	11 IR 18 W	11 IL 18 W	0.8	1.0	11 ER 18 W	11 EL 18 W	0.8	1.0	●	●	●	●
		16	11 IR 16 W	11 IL 16 W	0.9	1.1	11 ER 16 W	11 EL 16 W	0.9	1.1	●	●	●	●
		14	11 IR 14 W	11 IL 14 W	0.9	1.1	11 ER 14 W	11 EL 14 W	0.9	1.1	●	●	●	●
12	11 IR 12 W	11 IL 12 W	1.0	1.1	11 ER 12 W	11 EL 12 W	1.0	1.1	●	●	●	●		
11	11 IR 11 W	11 IL 11 W	0.9	1.2	11 ER 11 W	11 EL 11 W	0.9	1.2	●	●	●	●		
16	3/8"	72	16 IR 72 W	16 IL 72 W	0.7	0.4	16 ER 72 W	16 EL 72 W	0.7	0.4	●	●	●	●
		60	16 IR 60 W	16 IL 60 W	0.7	0.4	16 ER 60 W	16 EL 60 W	0.7	0.4	●	●	●	●
		56	16 IR 56 W	16 IL 56 W	0.7	0.4	16 ER 56 W	16 EL 56 W	0.7	0.4	●	●	●	●
		48	16 IR 48 W	16 IL 48 W	0.6	0.6	16 ER 48 W	16 EL 48 W	0.6	0.6	●	●	●	●
		40	16 IR 40 W	16 IL 40 W	0.6	0.6	16 ER 40 W	16 EL 40 W	0.6	0.6	●	●	●	●
		36	16 IR 36 W	16 IL 36 W	0.6	0.6	16 ER 36 W	16 EL 36 W	0.6	0.6	●	●	●	●
		32	16 IR 32 W	16 IL 32 W	0.6	0.6	16 ER 32 W	16 EL 32 W	0.6	0.6	●	●	●	●
		28	16 IR 28 W	16 IL 28 W	0.6	0.7	16 ER 28 W	16 EL 28 W	0.6	0.7	●	●	●	●
		26	16 IR 26 W	16 IL 26 W	0.7	0.7	16 ER 26 W	16 EL 26 W	0.7	0.7	●	●	●	●
		24	16 IR 24 W	16 IL 24 W	0.7	0.8	16 ER 24 W	16 EL 24 W	0.7	0.8	●	●	●	●
		22	16 IR 22 W	16 IL 22 W	0.8	0.9	16 ER 22 W	16 EL 22 W	0.8	0.9	●	●	●	●
		20	16 IR 20 W	16 IL 20 W	0.8	0.9	16 ER 20 W	16 EL 20 W	0.8	0.9	●	●	●	●
		19	16 IR 19 W	16 IL 19 W	0.8	1.0	16 ER 19 W	16 EL 19 W	0.8	1.0	●	●	●	●
		18	16 IR 18 W	16 IL 18 W	0.8	1.0	16 ER 18 W	16 EL 18 W	0.8	1.0	●	●	●	●
		16	16 IR 16 W	16 IL 16 W	0.9	1.1	16 ER 16 W	16 EL 16 W	0.9	1.1	●	●	●	●
		14	16 IR 14 W	16 IL 14 W	1.0	1.2	16 ER 14 W	16 EL 14 W	1.0	1.2	●	●	●	●
12	16 IR 12 W	16 IL 12 W	1.1	1.4	16 ER 12 W	16 EL 12 W	1.1	1.4	●	●	●	●		
11	16 IR 11 W	16 IL 11 W	1.1	1.5	16 ER 11 W	16 EL 11 W	1.1	1.5	●	●	●	●		
10	16 IR 10 W	16 IL 10 W	1.1	1.5	16 ER 10 W	16 EL 10 W	1.1	1.5	●	●	●	●		
9	16 IR 9 W	16 IL 9 W	1.2	1.7	16 ER 9 W	16 EL 9 W	1.2	1.7	●	●	●	●		
8	16 IR 8 W	16 IL 8 W	1.2	1.5	16 ER 8 W	16 EL 8 W	1.2	1.5	●	●	●	●		
22	1/2"	7	22 IR 7 W	22 IL 7 W	1.6	2.3	22 ER 7 W	22 EL 7 W	1.6	2.3	●	●	●	●
		6	22 IR 6 W	22 IL 6 W	1.6	2.3	22 ER 6 W	22 EL 6 W	1.6	2.3	●	●	●	●
		5	22 IR 5 W	22 IL 5 W	1.7	2.4	22 ER 5 W	22 EL 5 W	1.7	2.4	●	●	●	●
22U	1/2"U	4.5	22U XRL 4.5 W		2.3	11.0	22U XRL 4.5 W		2.3	11.0	●	●	●	●
		4	22U XRL 4 W		1.8	11.0	22U XRL 4 W		1.8	11.0	●	●	●	●
27	5/8"	4.5	27 IR 4.5 W	27 IL 4.5 W	1.8	2.6	27 ER 4.5 W	27 EL 4.5 W	1.8	2.6	●	●	●	●
		4	27 IR 4 W	27 IL 4 W	2.0	2.9	27 ER 4 W	27 EL 4 W	2.0	2.9	●	●	●	●
27U	5/8"U	3.5	27U XRL 3.5 W		2.1	13.7	27U XRL 3.5 W		2.1	13.7	●	●	●	●
		3.25	27U XRL 3.25 W		2.0	13.7	27U XRL 3.25 W		2.0	13.7	●	●	●	●
		3	27U XRL 3 W		2.3	13.7	27U XRL 3 W		2.3	13.7	●	●	●	●
		2.75	27U XRL 2.75W		2.4	13.7	27U XRL 2.75W		2.4	13.7	●	●	●	●



Full profile BSPT threading inserts

Special forms and other profiles are available on request

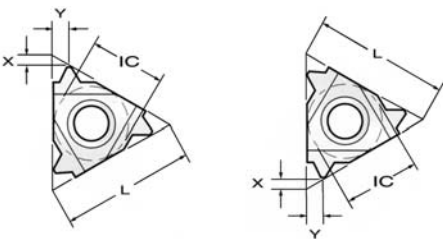
L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	28	06 IR 28 BSPT	06 IL 28 BSPT	0.7	0.6					●	●	●	●
8	3/16"	28	08 IR 28 BSPT	08 IL 28 BSPT	0.6	0.6					●	●	●	●
		19	08 IR 19 BSPT	08 IL 19 BSPT	0.6	0.6					●	●	●	●
11	1/4"	28	11 IR 28 BSPT	11 IL 28 BSPT	0.6	0.6	11 ER 28 BSPT	11 EL 28 BSPT	0.6	0.6	●	●	●	●
		19	11 IR 19 BSPT	11 IL 19 BSPT	0.8	0.9	11 ER 19 BSPT	11 EL 19 BSPT	0.8	0.9	●	●	●	●
		14	11 IR 14 BSPT	11 IL 14 BSPT	0.9	1.0	11 ER 14 BSPT	11 EL 14 BSPT	0.9	1.0	●	●	●	●
16	3/8"	28	16 IR 28 BSPT	16 IL 28 BSPT	0.6	0.6	16 ER 28 BSPT	16 EL 28 BSPT	0.6	0.6	●	●	●	●
		19	16 IR 19 BSPT	16 IL 19 BSPT	0.8	0.9	16 ER 19 BSPT	16 EL 19 BSPT	0.8	0.9	●	●	●	●
		14	16 IR 14 BSPT	16 IL 14 BSPT	1.0	1.2	16 ER 14 BSPT	16 EL 14 BSPT	1.0	1.2	●	●	●	●
		11	16 IR 11 BSPT	16 IL 11 BSPT	1.1	1.5	16 ER 11 BSPT	16 EL 11 BSPT	1.1	1.5	●	●	●	●



Full profile NPT threading inserts

Special forms and other profiles are available on request

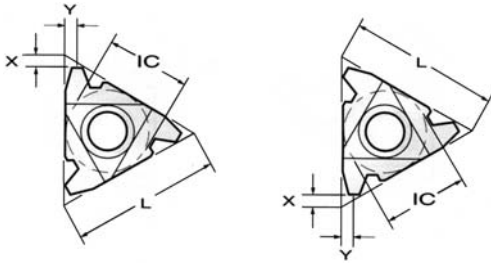
L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	27	06 IR 27 NPT	06 IL 27 NPT	0.6	0.6					●	●	●	●
8	3/16"	27	08 IR 27 NPT	08 IL 27 NPT	0.6	0.6					●	●	●	●
		18	08 IR 18 NPT	08 IL 18 NPT	0.6	0.6					●	●	●	●
11	1/4"	27	11 IR 27 NPT	11 IL 27 NPT	0.7	0.8	11 ER 27 NPT	11 EL 27 NPT	0.7	0.8	●	●	●	●
		18	11 IR 18 NPT	11 IL 18 NPT	0.8	1.0	11 ER 18 NPT	11 EL 18 NPT	0.8	1.0	●	●	●	●
		14	11 IR 14 NPT	11 IL 14 NPT	0.8	1.0	11 ER 14 NPT	11 EL 14 NPT	0.8	1.0	●	●	●	●
16	3/8"	27	16 IR 27 NPT	16 IL 27 NPT	0.7	0.8	16 ER 27 NPT	16 EL 27 NPT	0.7	0.8	●	●	●	●
		18	16 IR 18 NPT	16 IL 18 NPT	0.8	1.0	16 ER 18 NPT	16 EL 18 NPT	0.8	1.0	●	●	●	●
		14	16 IR 14 NPT	16 IL 14 NPT	0.9	1.2	16 ER 14 NPT	16 EL 14 NPT	0.9	1.2	●	●	●	●
		11.5	16 IR 11.5 NPT	16 IL 11.5 NPT	1.1	1.5	16 ER 11.5 NPT	16 EL 11.5 NPT	1.1	1.5	●	●	●	●
		8	16 IR 8 NPT	16 IL 8 NPT	1.3	1.8	16 ER 8 NPT	16 EL 8 NPT	1.3	1.8	●	●	●	●



Full profile NPTF DRYSEAL threading inserts

Special forms and other profiles are available on request

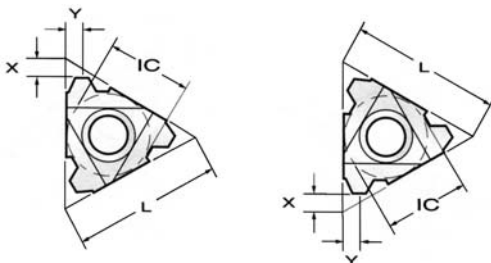
L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
6	5/32"	27	06 IR 27 NPTF	06 IL 27 NPTF	0.7	0.6					●	●	●	●
8	3/16"	27	08 IR 27 NPTF	08 IL 27 NPTF	0.6	0.6					●	●	●	●
		18	08 IR 18 NPTF	08 IL 18 NPTF	0.6	0.6					●	●	●	●
11	1/4"	27	11 IR 27 NPTF	11 IL 27 NPTF	0.7	0.7	11 ER 27 NPTF	11 EL 27 NPTF	0.7	0.7	●	●	●	●
		18	11 IR 18 NPTF	11 IL 18 NPTF	0.8	1.0	11 ER 18 NPTF	11 EL 18 NPTF	0.8	1.0	●	●	●	●
		14	11 IR 14 NPTF	11 IL 14 NPTF	0.8	1.0	11 ER 14 NPTF	11 EL 14 NPTF	0.8	1.0	●	●	●	●
16	3/8"	27	16 IR 27 NPTF	16 IL 27 NPTF	0.7	0.7	16 ER 27 NPTF	16 EL 27 NPTF	0.7	0.7	●	●	●	●
		18	16 IR 18 NPTF	16 IL 18 NPTF	0.8	1.0	16 ER 18 NPTF	16 EL 18 NPTF	0.8	1.0	●	●	●	●
		14	16 IR 14 NPTF	16 IL 14 NPTF	0.9	1.2	16 ER 14 NPTF	16 EL 14 NPTF	0.9	1.2	●	●	●	●
		11.5	16 IR 11.5 NPTF	16 IL 11.5 NPTF	1.1	1.5	16 ER 11.5 NPTF	16 EL 11.5 NPTF	1.1	1.5	●	●	●	●
		8	16 IR 8 NPTF	16 IL 8 NPTF	1.3	1.8	16 ER 8 NPTF	16 EL 8 NPTF	1.3	1.8	●	●	●	●



Full profile ACME threading inserts

Special forms and other profiles are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
8U	3/16"U	16	08U IRL 16 ACME		0.8	4.0					●	●	●	●
		14	08U IRL 14 ACME		0.8	4.0					●	●	●	●
		12	08U IRL 12 ACME		0.8	4.0					●	●	●	●
		10	08U IRL 10 ACME		0.8	4.0					●	●	●	●
11	1/4"	16	11 IR 16 ACME	11 IL 16 ACME	0.9	1.0	11 ER 16 ACME	11 EL 16 ACME	0.9	1.0	●	●	●	●
16	3/8"	16	16 IR 16 ACME	16 IL 16 ACME	0.9	1.0	16 ER 16 ACME	16 EL 16 ACME	0.9	1.0	●	●	●	●
		14	16 IR 14 ACME	16 IL 14 ACME	1.0	1.2	16 ER 14 ACME	16 EL 14 ACME	1.0	1.2	●	●	●	●
		12	16 IR 12 ACME	16 IL 12 ACME	1.1	1.2	16 ER 12 ACME	16 EL 12 ACME	1.1	1.2	●	●	●	●
		10	16 IR 10 ACME	16 IL 10 ACME	1.3	1.3	16 ER 10 ACME	16 EL 10 ACME	1.3	1.3	●	●	●	●
		8	16 IR 8 ACME	16 IL 8 ACME	1.5	1.5	16 ER 8 ACME	16 EL 8 ACME	1.5	1.5	●	●	●	●
22	1/2"	6	22 IR 6 ACME	22 IL 6 ACME	1.8	2.1	22 ER 6 ACME	22 EL 6 ACME	1.8	2.1	●	●	●	●
		5	22 IR 5 ACME	22 IL 5 ACME	2.0	2.3	22 ER 5 ACME	22 EL 5 ACME	2.0	2.3	●	●	●	●
22U	1/2"U	4	22U IRL 4 ACME		2.3	11.0	22U ERL 4 ACME		2.3	11.0	●	●	●	●
27	5/8"	4	27 IR 4 ACME	27 IL 4 ACME	2.3	2.7	27 ER 4 ACME	27 EL 4 ACME	2.3	2.7	●	●	●	●
27U	5/8"U	3	27U IRL 3 ACME		2.8	13.7	27U ERL 3 ACME		2.8	13.7	●	●	●	●

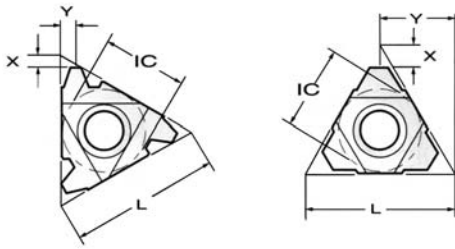


Full profile STACME threading inserts

Special forms and other profiles are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
8U	3/16"	16	08U IRL 16 STACME		0.8	4.0					●	●	●	●
		14	08U IRL 14 STACME		0.8	4.0					●	●	●	●
		12	08U IRL 12 STACME		0.8	4.0					●	●	●	●
		10	08U IRL 10 STACME		0.8	4.0					●	●	●	●
11	1/4"	16	11 IR 16 STACME	11 IL 16 STACME	1.0	1.0	11 ER 16 STACME	11 EL 16 STACME	1.0	1.0	●	●	●	●
16	3/8"	16	16 IR 16 STACME	16 IL 16 STACME	1.0	1.0	16 ER 16 STACME	16 EL 16 STACME	1.0	1.0	●	●	●	●
		14	16 IR 14 STACME	16 IL 14 STACME	1.1	1.1	16 ER 14 STACME	16 EL 14 STACME	1.1	1.1	●	●	●	●
		12	16 IR 12 STACME	16 IL 12 STACME	1.2	1.2	16 ER 12 STACME	16 EL 12 STACME	1.2	1.2	●	●	●	●
		10	16 IR 10 STACME	16 IL 10 STACME	1.3	1.3	16 ER 10 STACME	16 EL 10 STACME	1.3	1.3	●	●	●	●
		8	16 IR 8 STACME	16 IL 8 STACME	1.5	1.5	16 ER 8 STACME	16 EL 8 STACME	1.5	1.5	●	●	●	●
22	1/2"	5	22 IR 5 STACME	22 IL 5 STACME	2.0	2.3	22 ER 5 STACME	22 EL 5 STACME	2.0	2.3	●	●	●	●
		4	22U IRL 4 STACME		2.5	11.0	22U ERL 4 STACME		2.5	11.0	●	●	●	●
22U	1/2"U	3	22U IRL 3 STACME		3.3	11.0	22U ERL 3 STACME		3.3	11.0	●	●	●	●
27	5/8"	4	27 IR 4 STACME	27 IL 4 STACME	2.3	2.4	27 ER 4 STACME	27 EL 4 STACME	2.3	2.4	●	●	●	●
		3	27 IR 3 STACME	27 IL 3 STACME	2.8	2.9	27 ER 3 STACME	27 EL 3 STACME	2.8	2.9	●	●	●	●

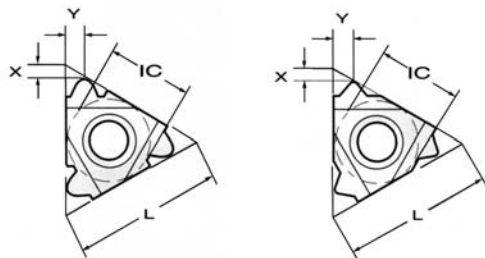
For current stock availability, refer to our latest price list



Full profile TRAPEZOIDAL DIN103 threading inserts

Special forms and other profiles
 are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
8U	3/16"U	1.5	08U IRL 1.5 TR		0.9	4.0					●	●	●	●
		2.0	08U IRL 2 TR		0.9	4.0					●	●	●	●
16	3/8"	1.5	16 IR 1.5 TR	16 IL 1.5 TR	1.0	1.1	16 ER 1.5 TR	16 EL 1.5 TR	1.0	1.1	●	●	●	●
		2.0	16 IR 2 TR	16 IL 2 TR	1.0	1.3	16 ER 2 TR	16 EL 2 TR	1.0	1.3	●	●	●	●
		3.0	16 IR 3 TR	16 IL 3 TR	1.3	1.5	16 ER 3 TR	16 EL 3 TR	1.3	1.5	●	●	●	●
22	1/2"	4.0	22 IR 4 TR	22 IL 4 TR	1.8	1.9	22 ER 4 TR	22 EL 4 TR	1.8	1.9	●	●	●	●
		5.0	22 IR 5 TR	22 IL 5 TR	2.0	2.4	22 ER 5 TR	22 EL 5 TR	2.0	2.4	●	●	●	●
22U	1/2"U	6.0	22U IRL 6 TR		2.0	11.0	22U ERL 6 TR		2.0	11.0	●	●	●	●
		7.0	22U IRL 7 TR		2.3	11.0	22U ERL 7 TR		2.3	11.0	●	●	●	●
27	5/8"	6.0	27 IR 6 TR	27 IL 6 TR	2.3	2.7	27 ER 6 TR	27 EL 6 TR	2.3	2.7	●	●	●	●
		7.0	27 IR 7 TR	27 IL 7 TR	2.2	2.6	27 ER 7 TR	27 EL 7 TR	2.2	2.6	●	●	●	●
27U	5/8"U	8.0	27U IRL 8 TR		2.5	13.7	27U ERL 8 TR		2.5	13.7	●	●	●	●
		9.0	27U IRL 9 TR		3.0	13.7	27U ERL 9 TR		3.0	13.7	●	●	●	●



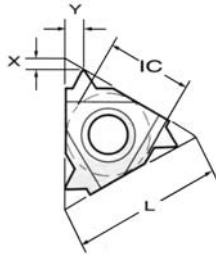
Full profile ROUND DIN405 threading inserts

Special forms and other profiles
 are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
16	3/8"	10	16 IR 10 RD	16 IL 10 RD	1.1	1.2	16 ER 10 RD	16 EL 10 RD	1.1	1.2	●	●	●	●
		8	16 IR 8 RD	16 IL 8 RD	1.4	1.4	16 ER 8 RD	16 EL 8 RD	1.4	1.3	●	●	●	●
		6	16 IR 6 RD	16 IL 6 RD	1.4	1.5	16 ER 6 RD	16 EL 6 RD	1.5	1.7	●	●	●	●
22	1/2"	6	22 IR 6 RD	22 IL 6 RD	1.5	1.7	22 ER 6 RD	22 EL 6 RD	1.5	1.7	●	●	●	●
		4	22 IR 4 RD	22 IL 4 RD	2.2	2.3	22 ER 4 RD	22 EL 4 RD	2.2	2.3	●	●	●	●
27	5/8"	4	27 IR 4 RD	27 IL 4 RD	2.2	2.3	27 ER 4 RD	27 EL 4 RD	2.2	2.3	●	●	●	●

Special forms and other profiles are available on request

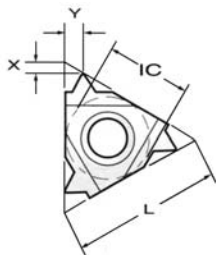
For current stock availability, refer to our latest price list



Full profile UNJ threading inserts

Special forms and other profiles
 are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades					
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27		
11	1/4"	48	11 IR 48 UNJ	11 IL 48 UNJ	0.6	0.6	11 ER 48 UNJ	11 EL 48 UNJ	0.6	0.6	●	●	●	●		
		44	11 IR 44 UNJ	11 IL 44 UNJ	0.6	0.6	11 ER 44 UNJ	11 EL 44 UNJ	0.6	0.6	●	●	●	●		
		40	11 IR 40 UNJ	11 IL 40 UNJ	0.6	0.6	11 ER 40 UNJ	11 EL 40 UNJ	0.6	0.6	●	●	●	●		
		36	11 IR 36 UNJ	11 IL 36 UNJ	0.6	0.6	11 ER 36 UNJ	11 EL 36 UNJ	0.6	0.6	●	●	●	●		
		32	11 IR 32 UNJ	11 IL 32 UNJ	0.6	0.6	11 ER 32 UNJ	11 EL 32 UNJ	0.6	0.6	●	●	●	●		
		28	11 IR 28 UNJ	11 IL 28 UNJ	0.6	0.6	11 ER 28 UNJ	11 EL 28 UNJ	0.6	0.6	●	●	●	●		
		24	11 IR 24 UNJ	11 IL 24 UNJ	0.7	0.8	11 ER 24 UNJ	11 EL 24 UNJ	0.7	0.8	●	●	●	●		
		20	11 IR 20 UNJ	11 IL 20 UNJ	0.8	0.9	11 ER 20 UNJ	11 EL 20 UNJ	0.8	0.9	●	●	●	●		
		18	11 IR 18 UNJ	11 IL 18 UNJ	0.8	1.0	11 ER 18 UNJ	11 EL 18 UNJ	0.8	1.0	●	●	●	●		
		16	11 IR 16 UNJ	11 IL 16 UNJ	0.8	1.0	11 ER 16 UNJ	11 EL 16 UNJ	0.8	1.0	●	●	●	●		
		14	11 IR 14 UNJ	11 IL 14 UNJ	0.9	1.0	11 ER 14 UNJ	11 EL 14 UNJ	0.9	1.0	●	●	●	●		
		16	3/8"	48	16 IR 48 UNJ	16 IL 48 UNJ	0.6	0.6	16 ER 48 UNJ	16 EL 48 UNJ	0.6	0.6	●	●	●	●
				44	16 IR 44 UNJ	16 IL 44 UNJ	0.6	0.6	16 ER 44 UNJ	16 EL 44 UNJ	0.6	0.6	●	●	●	●
				40	16 IR 40 UNJ	16 IL 40 UNJ	0.6	0.6	16 ER 40 UNJ	16 EL 40 UNJ	0.6	0.6	●	●	●	●
36	16 IR 36 UNJ			16 IL 36 UNJ	0.6	0.6	16 ER 36 UNJ	16 EL 36 UNJ	0.6	0.6	●	●	●	●		
32	16 IR 32 UNJ			16 IL 32 UNJ	0.6	0.6	16 ER 32 UNJ	16 EL 32 UNJ	0.6	0.6	●	●	●	●		
28	16 IR 28 UNJ			16 IL 28 UNJ	0.6	0.6	16 ER 28 UNJ	16 EL 28 UNJ	0.6	0.6	●	●	●	●		
24	16 IR 24 UNJ			16 IL 24 UNJ	0.7	0.8	16 ER 24 UNJ	16 EL 24 UNJ	0.7	0.8	●	●	●	●		
20	16 IR 20 UNJ			16 IL 20 UNJ	0.8	0.9	16 ER 20 UNJ	16 EL 20 UNJ	0.8	0.9	●	●	●	●		
18	16 IR 18 UNJ			16 IL 18 UNJ	0.8	1.0	16 ER 18 UNJ	16 EL 18 UNJ	0.8	1.0	●	●	●	●		
16	16 IR 16 UNJ			16 IL 16 UNJ	0.8	1.0	16 ER 16 UNJ	16 EL 16 UNJ	0.8	1.0	●	●	●	●		
14	16 IR 14 UNJ			16 IL 14 UNJ	1.0	1.2	16 ER 14 UNJ	16 EL 14 UNJ	1.0	1.2	●	●	●	●		
13	16 IR 13 UNJ			16 IL 13 UNJ	1.0	1.3	16 ER 13 UNJ	16 EL 13 UNJ	1.0	1.3	●	●	●	●		
12	16 IR 12 UNJ			16 IL 12 UNJ	1.1	1.4	16 ER 12 UNJ	16 EL 12 UNJ	1.1	1.4	●	●	●	●		
11	16 IR 11 UNJ			16 IL 11 UNJ	1.1	1.5	16 ER 11 UNJ	16 EL 11 UNJ	1.1	1.5	●	●	●	●		
10	16 IR 10 UNJ			16 IL 10 UNJ	1.1	1.5	16 ER 10 UNJ	16 EL 10 UNJ	1.1	1.5	●	●	●	●		
9	16 IR 9 UNJ			16 IL 9 UNJ	1.2	1.6	16 ER 9 UNJ	16 EL 9 UNJ	1.2	1.6	●	●	●	●		
8	16 IR 8 UNJ	16 IL 8 UNJ	1.2	1.6	16 ER 8 UNJ	16 EL 8 UNJ	1.2	1.6	●	●	●	●				

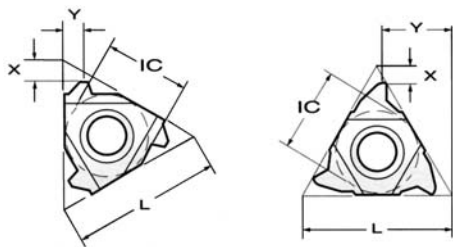


Full profile MJ ISO5855 threading inserts

Special forms and other profiles
 are available on request

L mm	IC inch	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
11	1/4"	1.00	11 IR 1.0 MJ	11 IL 1.0 MJ	0.7	0.8	11 ER 1.0 MJ	11 EL 1.0 MJ	0.7	0.8	●	●	●	●
		1.25	11 IR 1.25 MJ	11 IL 1.25 MJ	0.8	0.9	11 ER 1.25 MJ	11 EL 1.25 MJ	0.8	0.9	●	●	●	●
		1.50	11 IR 1.5 MJ	11 IL 1.5 MJ	0.8	1.0	11 ER 1.5 MJ	11 EL 1.5 MJ	0.8	1.0	●	●	●	●
		2.00	11 IR 2.0 MJ	11 IL 2.0 MJ	0.9	1.0	11 ER 2.0 MJ	11 EL 2.0 MJ	0.9	1.0	●	●	●	●
16	3/8"	1.00	16 IR 1.0 MJ	16 IL 1.0 MJ	0.7	0.8	16 ER 1.0 MJ	16 EL 1.0 MJ	0.7	0.8	●	●	●	●
		1.25	16 IR 1.25 MJ	16 IL 1.25 MJ	0.8	0.9	16 ER 1.25 MJ	16 EL 1.25 MJ	0.8	0.9	●	●	●	●
		1.50	16 IR 1.5 MJ	16 IL 1.5 MJ	0.8	1.0	16 ER 1.5 MJ	16 EL 1.5 MJ	0.8	1.0	●	●	●	●
		2.00	16 IR 2.0 MJ	16 IL 2.0 MJ	1.0	1.3	16 ER 2.0 MJ	16 EL 2.0 MJ	1.0	1.3	●	●	●	●

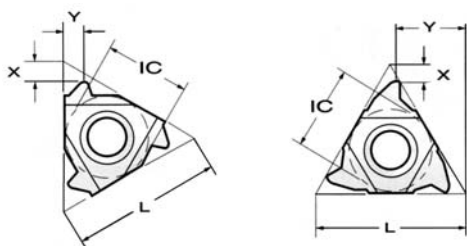
For current stock availability, refer to our latest price list



Full profile AMERICAN BUTTRESS threading inserts

Special forms and other profiles
are available on request

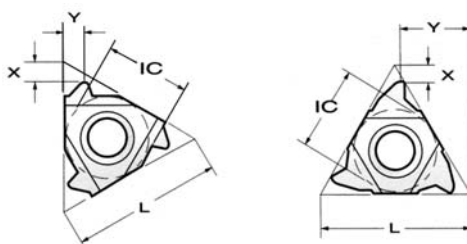
L	IC	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
11	1/4"	20	11 IR 20 ABUTT	11 IL 20 ABUTT	1.0	1.3	11 ER 20 ABUTT	11 EL 20 ABUTT	1.0	1.3	●	●	●	●
		16	11 IR 16 ABUTT	11 IL 16 ABUTT	1.0	1.5	11 ER 16 ABUTT	11 EL 16 ABUTT	1.0	1.5	●	●	●	●
16	3/8"	20	16 IR 20 ABUTT	16 IL 20 ABUTT	1.0	1.3	16 ER 20 ABUTT	16 EL 20 ABUTT	1.0	1.3	●	●	●	●
		16	16 IR 16 ABUTT	16 IL 16 ABUTT	1.0	1.5	16 ER 16 ABUTT	16 EL 16 ABUTT	1.0	1.5	●	●	●	●
		12	16 IR 12 ABUTT	16 IL 12 ABUTT	1.4	2.0	16 ER 12 ABUTT	16 EL 12 ABUTT	1.4	2.0	●	●	●	●
		10	16 IR 10 ABUTT	16 IL 10 ABUTT	1.5	2.3	16 ER 10 ABUTT	16 EL 10 ABUTT	1.5	2.3	●	●	●	●
22	1/2"	8	22 IR 8 ABUTT	22 IL 8 ABUTT	2.1	3.3	22 ER 8 ABUTT	22 EL 8 ABUTT	2.1	3.3	●	●	●	●
		6	22 IR 6 ABUTT	22 IL 6 ABUTT	2.1	3.4	22 ER 6 ABUTT	22 EL 6 ABUTT	2.1	3.4	●	●	●	●
22U	1/2"U	4	22U IR 4 ABUTT	22U IL 4 ABUTT	2.3	9.5	22U ER 4 ABUTT	22U EL 4 ABUTT	2.3	9.5	●	●	●	●
27U	5/8"U	3	27U IR 3 ABUTT	27U IL 3 ABUTT	3.1	11.7	27U ER 3 ABUTT	27U EL 3 ABUTT	3.1	11.7	●	●	●	●



Full profile BRITISH BUTTRESS BS1657 threading inserts

Special forms and other profiles
are available on request

L	IC	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
16	3/8"	20	16 IR 20 BBUTT	16 IL 20 BBUTT	1.0	1.4	16 ER 20 BBUTT	16 EL 20 BBUTT	1.0	1.4	●	●	●	●
		16	16 IR 16 BBUTT	16 IL 16 BBUTT	1.3	1.9	16 ER 16 BBUTT	16 EL 16 BBUTT	1.3	1.9	●	●	●	●
		12	16 IR 12 BBUTT	16 IL 12 BBUTT	1.4	2.0	16 ER 12 BBUTT	16 EL 12 BBUTT	1.4	2.0	●	●	●	●
		10	16 IR 10 BBUTT	16 IL 10 BBUTT	1.5	2.3	16 ER 10 BBUTT	16 EL 10 BBUTT	1.5	2.3	●	●	●	●
22	1/2"	8	22 IR 8 BBUTT	22 IL 8 BBUTT	2.0	3.2	22 ER 8 BBUTT	22 EL 8 BBUTT	2.0	3.2	●	●	●	●
		6	22 IR 6 BBUTT	22 IL 6 BBUTT	2.2	3.5	22 ER 6 BBUTT	22 EL 6 BBUTT	2.2	3.5	●	●	●	●
27	5/8"	4	27 IR 4 BBUTT	27 IL 4 BBUTT	2.2	3.5	27 ER 4 BBUTT	27 EL 4 BBUTT	2.2	3.5	●	●	●	●

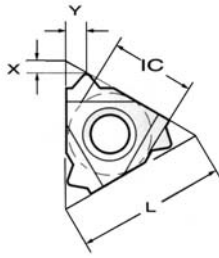


Full profile SÄGENGEWINDE DIN 513 threading inserts

Special forms and other profiles
are available on request

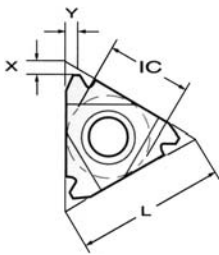
L	IC	TPI	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available Grades			
			Right Hand	Left Hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
16	3/8"	2.00	16 IR 2.0 SAGE	16 IL 2.0 SAGE	1.2	1.7	16 ER 2.0 SAGE	16 EL 2.0 SAGE	1.1	1.6	●	●	●	●
22	1/2"	3.00	22 IR 3.0 SAGE	22 IL 3.0 SAGE	1.9	2.9	22 ER 3.0 SAGE	22 EL 3.0 SAGE	1.5	2.4	●	●	●	●
		4.00	22 IR 4.0 SAGE	22 IL 4.0 SAGE	2.3	3.5	22 ER 4.0 SAGE	22 EL 4.0 SAGE	1.9	3.1	●	●	●	●
22U	1/2"U	5.00	22U IR 5.0 SAGE	22U IL 5.0 SAGE	1.9	11.7	22U ER 5.0 SAGE	22U EL 5.0 SAGE	1.2	11.6	●	●	●	●
		6.00	22U IR 6.0 SAGE	22U IL 6.0 SAGE	2.1	11.9	22U ER 6.0 SAGE	22U EL 6.0 SAGE	1.2	11.7	●	●	●	●

For current stock availability, refer to our latest price list



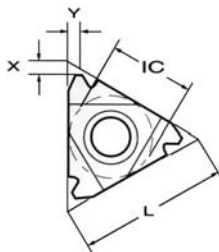
Full profile PG DIN40430 threading inserts

L mm	IC inch	TPI	Thread No.	INTERNAL Part No.		X mm	Y mm	EXTERNAL Part No.		X mm	Y mm	Available grades			
				Right Hand	Left hand			Right Hand	Left Hand			RS20	RS21	RS23	RS27
8	3/16"	20	PG7	08 IR 20 PG	08 IL 20 PG	0.6	0.7					•	•	•	•
11	1/4"	18	PG9	11 IR 18 PG	11 IL 18 PG	0.8	0.9								
16	3/8"	20	PG7					16 ER 20 PG	16 EL 20 PG	0.7	0.8	•	•	•	•
		18	PG9, 11, 13.5, 16	16 IR 18 PG	16 IL 18 PG	0.8	0.9	16 ER 18 PG	16 EL 18 PG	0.8	0.9	•	•	•	•
		16	PG21, 29, 36, 42, 48	16 IR 16 PG	16 IL 16 PG	0.8	1.0	16 ER 16 PG	16 EL 16 PG	0.8	1.0	•	•	•	•



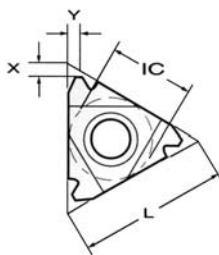
Full profile API V-0.038R threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
22	1/2"	4	2	22 ER 4 API 382	22 IR 4 API 382	2.1	2.8	NC23 NC50, 4FH, 2 3/8 - 5 1/2 IF NC56 - NC77	•	•	•	•
		4	3	22 ER 4 API 383	22 IR 4 API 383	2.1	2.8		•	•	•	•
27	5/8"	4	0.5	27 ER 4 API 380.5	27 IR 4 API 380.5	2.1	2.8	NC23 - NC50, 4FH, 2 3/8 - 5 1/2 IF NC56 - NC77	•	•	•	•
		4	2	27 ER 4 API 382	27 IR 4 API 382	2.1	2.8		•	•	•	•
		4	3	27 ER 4 API 383	27 IR 4 API 383	2.1	2.8		•	•	•	•



Full profile API V-0.040 threading inserts

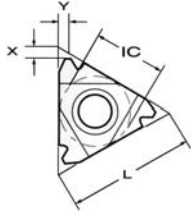
L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
22	1/2"	5	3	22 ER 5 API 403	22 IR 5 API 403	1.8	2.5	2 3/8 - 4 1/2 REG, 3 1/2 FH, 4 1/2 FH	•	•	•	•



Full profile API V-0.050 threading inserts

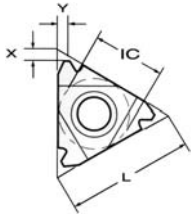
L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
27	5/8"	4	2	27 ER 4API 502	27 IR 4API 502	2.0	3.0	6 5/8 REG, 5 1/2 FH, 6 5/8 FH 5 1/2 , 7 5/8 , 8 5/8 REG	•	•	•	•
		4	3	27 ER 4API 503	27 IR 4API 503	2.0	3.0		•	•	•	•

Special forms and other profiles are available on request



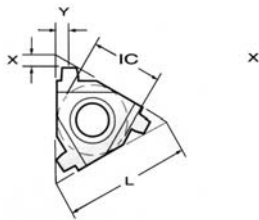
Full profile API V-0.055 threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
27	5/8"	6	1.5	27 ER 6 API 551.5	27 IR 6 API 551.5	1.8	2.6	NC10, NC12, NC13, NC16	•	•	•	•



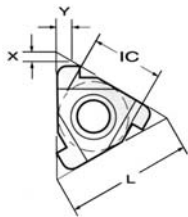
Full profile API ROUND threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
16	3/8"	10	0.75	16 ER 10 API RD	16 IR 10 API RD	1.5	1.4		•	•	•	•
		8	0.75	16 ER 8 API RD	16 IR 8 API RD	1.3	1.6		•	•	•	•



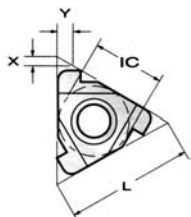
Full profile EXTREME LINE CASING threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
22	1/2"	6	1.5	22 ER 6 ELC 1.5	22 IR 6 ELC 1.5	1.9	1.9	5 – 7 5/8	•	•	•	•
		5	1.25	22 ER 6 ELC 1.25	22 IR 6 ELC 1.25	2.4	2.3	8 5/8 – 10 3/4	•	•	•	•



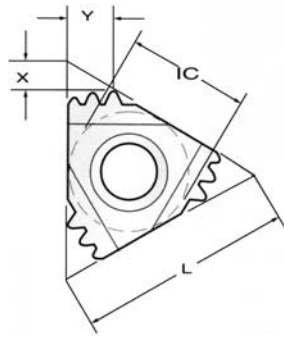
Full profile BUTTRESS CASING threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
22	1/2"	5	0.75	22 ER 5 BUTTC 0.75	22 ER 5 BUTTC 0.75	2.2	2.4	4 1/2 – 13 3/8	•	•	•	•
		5	1.0	22 ER 5 BUTTC 1.0	22 ER 5 BUTTC 1.0	2.3	2.4	16 – 20	•	•	•	•



Full profile VAM threading inserts

L mm	IC inch	TPI	Taper IPF	Part No.		X mm	Y mm	Connection No. or Size	Available grades			
				External RH	Internal RH				RS20	RS21	RS23	RS27
16	3/8"	8	0.75	16 ER 8 VAM	16 IR 8 VAM	1.7	1.8		•	•	•	•
		8	0.75	22 ER 8 VAM	22 IR 8 VAM	1.7	1.8		•	•	•	•
22	1/2"	6	0.75	22 ER 6 VAM	22 IR 6 VAM	2.4	2.4		•	•	•	•
		5	0.75	22 ER 5 VAM	22 IR 5 VAM	2.4	2.7		•	•	•	•



Full profile ISO multi-tooth threading inserts

L mm	IC inch	PITCH mm	No. of teeth	No. of passes	Part No.		X mm	Y mm	Recommended radial in-feed mm				Available Grades			
					External RH	Internal RH			Pass 1	Pass 2	Pass 3	Pass 4	RS20	RS21	RS23	RS27
16	3/8"	1.0	3	2	16 ER 1.0 ISO 3M	16 IR 1.0 ISO 3M	1.7	2.5	0.38	0.25			●	●	●	●
		1.5	2	3	16 ER 1.5 ISO 2M	16 IR 1.5 ISO 2M	1.5	2.3	0.42	0.30	0.20		●	●	●	●
22	1/2"	1.5	3	2	22 ER 1.5 ISO 3M	22 IR 1.5 ISO 3M	2.3	3.7	0.55	0.37			●	●	●	●
		2.0	2	3	22 ER 2.0 ISO 2M	22 IR 2.0 ISO 2M	2.0	3.0	0.57	0.40	0.26		●	●	●	●
27	5/8"	2.0	3	2	22 ER 2.0 ISO 3M	22 IR 2.0 ISO 3M	3.1	5.0	0.76	0.47						
		3.0	2	4	27 ER 3.0 ISO 2M	27 IR 3.0 ISO 2M	2.9	4.5	0.59	0.51	0.42	0.32	●	●	●	●

Full profile UN multi-tooth threading inserts

L mm	IC inch	PITCH mm	No. of teeth	No. of passes	Part No.		X mm	Y mm	Recommended radial in-feed mm				Available Grades			
					External RH	Internal RH			Pass 1	Pass 2	Pass 3	Pass 4	RS20	RS21	RS23	RS27
16	3/8"	16	2	3	16 ER 16 UN 2M	16 IR 16 UN 2M	1.5	2.3	0.44	0.31	0.22		●	●	●	●
		16	3	2	22 ER 16 UN 3M	22 IR 16 UN 3M	2.5	4.0	0.58	0.39			●	●	●	●
22	1/2"	12	2	3	22 ER 12 UN 2M	22 IR 12 UN 2M	2.2	3.4	0.58	0.42	0.30		●	●	●	●
		12	3	2	22 ER 12 UN 3M	22 IR 12 UN 3M	3.3	5.3	0.78	0.52			●	●	●	●
27	5/8"	8	2	4	27 ER 8 UN 2M	27 IR 8 UN 2M	3.1	4.9	0.62	0.54	0.45	0.35	●	●	●	●

Full profile WHITWORTH multi-tooth threading inserts

L mm	IC inch	PITCH mm	No. of teeth	No. of passes	Part No.		X mm	Y mm	Recommended radial in-feed mm				Available Grades			
					External RH	Internal RH			Pass 1	Pass 2	Pass 3	Pass 4	RS20	RS21	RS23	RS27
16	3/8"	14	2	3	16 ER 14 W 2M	16 IR 14 W 2M	1.7	2.7	0.52	0.37	0.27		●	●	●	●
22	1/2"	14	3	2	22 ER 14 W 3M	22 IR 14 W 3M	2.8	4.5	0.70	0.46			●	●	●	●
		11	2	3	22 ER 11 W 2M	22 IR 11 W 2M	2.3	3.4	0.67	0.47	0.34		●	●	●	●

Full profile NPT multi-tooth threading inserts

L mm	IC inch	PITCH mm	No. of teeth	No. of passes	Part No.		X mm	Y mm	Recommended radial in-feed mm				Available Grades			
					External RH	Internal RH			Pass 1	Pass 2	Pass 3	Pass 4	RS20	RS21	RS23	RS27
22	1/2"	11.5	2	4	22 ER 11.5 NPT 2M	22 IR 11.5 NPT 2M	2.3	3.5	0.54	0.47	0.37	0.30	●	●	●	●
27	5/8"	11.5	3	3	27 ER 11.5 NPT 3M	27 IR 11.5 NPT 3M	3.3	5.5	0.76	0.54	0.38		●	●	●	●
		8	2	4	27 ER 8 NPT 2M	27 IR 8 NPT 2M	3.1	5.0	0.81	0.60	0.45	0.45	●	●	●	●

Full profile API ROUND multi-tooth threading inserts

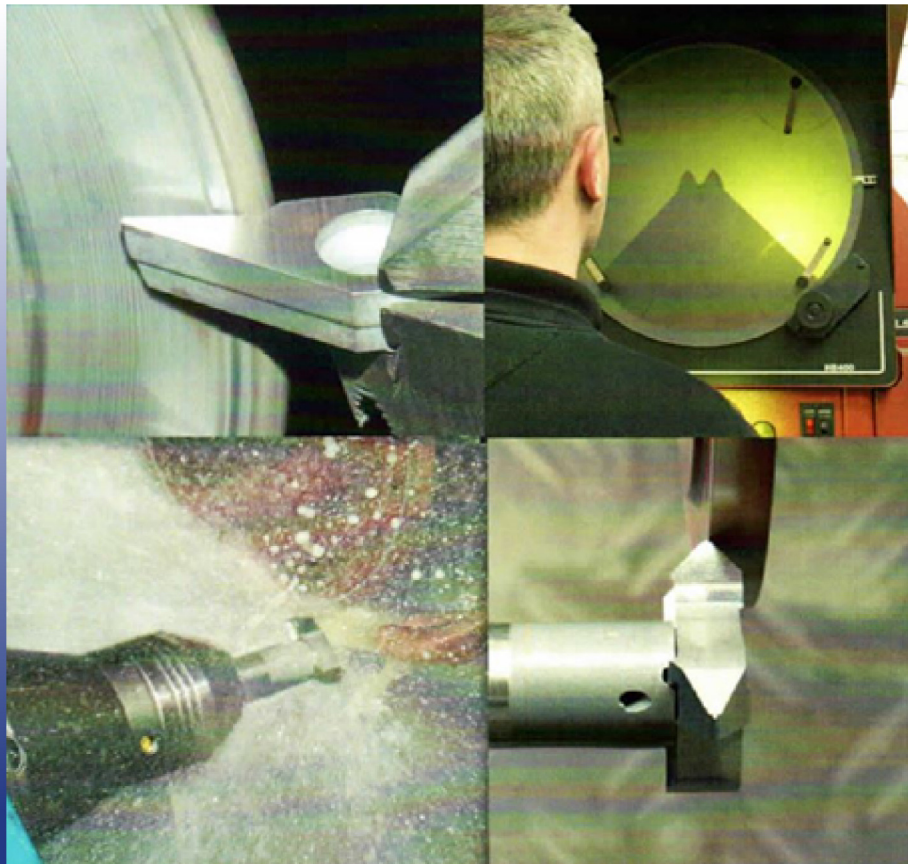
L mm	IC inch	PITCH mm	No. of teeth	No. of passes	Part No.		X mm	Y mm	Recommended radial in-feed mm				Available Grades			
					External RH	Internal RH			Pass 1	Pass 2	Pass 3	Pass 4	RS20	RS21	RS23	RS27
22	1/2"	10	2	3	22 ER 10 API RD 2M	22 IR 10 API RD 2M	2.4	3.7	0.60	0.50	0.31		●	●	●	●
27	5/8"	10	3	2	27 ER 10 API RD 3M	27 IR 10 API RD 3M	3.8	6.2	0.90	0.51			●	●	●	●
		8	2	3	27 ER 8 API RD 2M	27 IR 8 API RD 2M	3.0	4.5	0.80	0.60	0.41		●	●	●	●

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