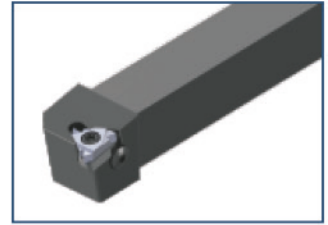


## THREADING CUTTER

INDEXABLE THREADING TOOL & SOLID CARBIDE INSERT

152,159



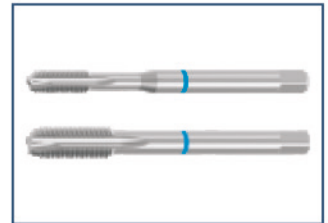
INDEXABLE THREADING MILL & SOLID CARBIDE INSERT

160,163



HSS-COBALT MACHINE TAPS

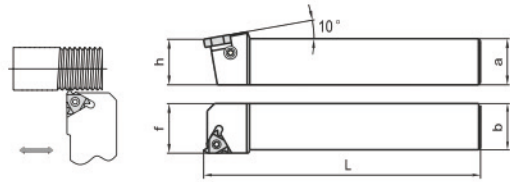
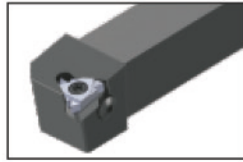
164-165



# THREADING CUTTER

## INDEXABLE THREAD TURNING TOOL

- Made of hardened alloy steel and HRC43-46.

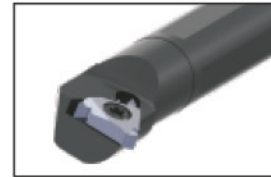
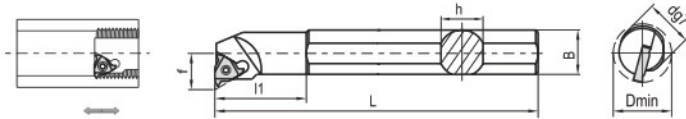


Order No.		Model		Size(mm)					Insert	Screw	Torx wrench	Shim	Shim scerw	Hex wrench
Right hand	Left hand	Right hand	Left hand	h	a	b	L	f						
211-17-001	211-17-002	SER1616H16T	SEL1616H16T	16	16	16	100	20	16ER..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-001	211-17-002	SER1616H16T	SEL1616H16T	16	16	16	100	20	16EL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-003	211-17-004	SER2020K16T	SEL2020K16T	20	20	20	125	25	16ER..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-003	211-17-004	SER2020K16T	SEL2020K16T	20	20	20	125	25	16EL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-005	211-17-006	SER2525M16T	SEL2525M16T	25	25	25	150	32	16ER..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-005	211-17-006	SER2525M16T	SEL2525M16T	25	25	25	150	32	16EL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-007	211-17-008	SER3225P16T	SEL3225P16T	32	32	25	170	32	16ER..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-007	211-17-008	SER3225P16T	SEL3225P16T	32	32	25	170	32	16EL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-009	211-17-010	SER3232P16T	SEL3232P16T	32	32	32	170	40	16ER..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-009	211-17-010	SER3232P16T	SEL3232P16T	32	32	32	170	40	16EL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
211-17-011	211-17-012	SER2525M22T	SEL2525M22T	25	25	25	150	32	22ER..	L60 M4x15.0	T15	LT22	SS04008	S2.5
211-17-011	211-17-012	SER2525M22T	SEL2525M22T	25	25	25	150	32	22EL..	L60 M4x15.0	T15	LT22	SS04008	S2.5
211-17-013	211-17-014	SER3225P22T	SEL3225P22T	32	32	25	170	32	22ER..	L60 M4x15.0	T15	LT22	SS04008	S2.5
211-17-013	211-17-014	SER3225P22T	SEL3225P22T	32	32	25	170	32	22EL..	L60 M4x15.0	T15	LT22	SS04008	S2.5
211-17-015	211-17-016	SER3232P22T	SEL3232P22T	32	32	32	170	40	22ER..	L60 M4x15.0	T15	LT22	SS04008	S2.5
211-17-015	211-17-016	SER3232P22T	SEL3232P22T	32	32	32	170	40	22EL..	L60 M4x15.0	T15	LT22	SS04008	S2.5

## INDEXABLE THREAD BORING BAR

Insert Not included.

- Made of hardened alloy steel and HRC43-46.



Order No.		Model		Size(mm)							Insert	Screw	Torx wrench	Shim	Shim scerw	Hex wrench
Right hand	Left hand	Right hand	Left hand	d	f	L	h	B	l1	Dmin						
221-17-001	221-17-002	SNR0010H11	SNL0010H11	10	7.2	100	9	9.5	25	12	11NR..	L60M2.5x5.2	T8	-	-	-
221-17-001	221-17-002	SNR0010H11	SNL0010H11	10	7.2	100	9	9.5	25	12	11NL..	L60M2.5x5.2	T8	-	-	-
221-17-003	221-17-004	SNR0012K11	SNL0012K11	12	9	125	11	11.5	32	16	11NR..	L60M2.5x5.2	T8	-	-	-
221-17-003	221-17-004	SNR0012K11	SNL0012K11	12	9	125	11	11.5	32	16	11NL..	L60M2.5x5.2	T8	-	-	-
221-17-005	221-17-006	SNR0016M16	SNL0016M16	16	12	150	15	15.5	32	20	16NR..	L60M3.5x8.8	T15	-	-	-
221-17-005	221-17-006	SNR0016M16	SNL0016M16	16	12	150	15	15.5	32	20	16NL..	L60M3.5x8.8	T15	-	-	-
221-17-007	221-17-008	SNR0020Q16	SNL0020Q16	20	14	180	18	19	40	25	16NR..	L60M3.5x8.8	T15	-	-	-
221-17-007	221-17-008	SNR0020Q16	SNL0020Q16	20	14	180	18	19	40	25	16NL..	L60M3.5x8.8	T15	-	-	-
221-17-009	221-17-010	SNR0025R16	SNL0025R16	25	17	200	23	24	45	30	16NR..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-009	221-17-010	SNR0025R16	SNL0025R16	25	17	200	23	24	45	30	16NL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-011	221-17-012	SNR0032S16	SNL0032S16	32	22	250	30	31	60	38	16NR..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-011	221-17-012	SNR0032S16	SNL0032S16	32	22	250	30	31	60	38	16NL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-013	221-17-014	SNR0040T16	SNL0040T16	40	27	300	37	38.5	75	50	16NR..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-013	221-17-014	SNR0040T16	SNL0040T16	40	27	300	37	38.5	75	50	16NL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-015	221-17-016	SNR0050U16	SNL0050U16	50	35	350	47	48.5	90	63	16NR..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-015	221-17-016	SNR0050U16	SNL0050U16	50	35	350	47	48.5	90	63	16NL..	L60 M3.5x14.0	T15	LT16/0.5 LT16/1.75	SS04008	S2.5
221-17-017	221-17-018	SNR0025R22	SNL0025R22	25	17	200	23	24	45	30	22NR..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-017	221-17-018	SNR0025R22	SNL0025R22	25	17	200	23	24	45	30	22NL..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-019	221-17-020	SNR0032S22	SNL0032S22	32	22	250	30	31	60	38	22NR..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-019	221-17-020	SNR0032S22	SNL0032S22	32	22	250	30	31	60	38	22NL..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-021	221-17-022	SNR0040T22	SNL0040T22	40	27	300	37	38.5	75	50	22NR..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-021	221-17-022	SNR0040T22	SNL0040T22	40	27	300	37	38.5	75	50	22NL..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-023	221-17-024	SNR0050U22	SNL0050U22	50	35	350	47	48.5	75	63	22NR..	L60 M4x15.0	T15	LT22	SS04008	S2.5
221-17-023	221-17-024	SNR0050U22	SNL0050U22	50	35	350	47	48.5	75	63	22NL..	L60 M4x15.0	T15	LT22	SS04008	S2.5

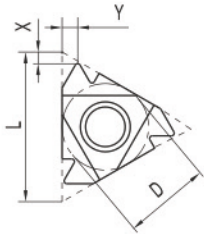
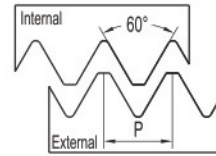
Shim LT16/0.5 fit to insert of pitch 0.5~1.5mm, Shim LT16/1.75 fit to insert of pitch 1.75~3.0mm.

Insert Not included.

# SOLID CARBIDE THREADING INSERT

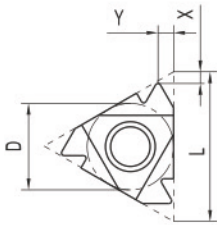
- Made of micrograin solid carbide and with TiAlN coating.
- General purpose used for steel, stainless steel and cast iron.

## PRITAL PROFILE 60°



External

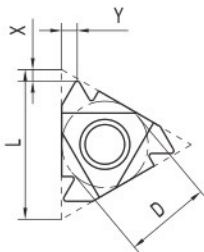
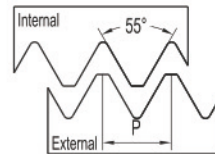
Order No.		Model		D (IC)	Lead&Pitch		Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand		mm	TPI	X	Y	L
302-01-001	302-01-002	11ER A 60	11EL A 60	1/4"	0.5~1.5	48~16	0.8	0.9	11.0
302-01-003	302-01-004	16ER A 60	16EL A 60	3/8"	0.5~1.5	48~16	0.8	0.9	16.0
302-01-005	302-01-006	16ER AG 60	16EL AG 60	3/8"	0.5~3.0	48~8	1.2	1.7	16.0
302-01-007	302-01-008	16ER G 60	16EL G 60	3/8"	1.75~3.0	14~8	1.2	1.7	16.0
302-01-009	302-01-010	22ER N 60	22EL N 60	1/2"	3.5~5.0	7~5	1.7	2.5	22.0
302-01-011	302-01-012	27ER Q 60	27EL Q 60	5/8"	5.5~6.0	4.5~4	2.3	3.1	27.0



Internal

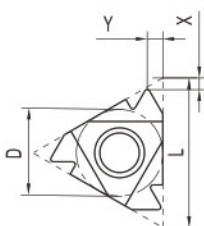
Order No.		Model		D (IC)	Lead&Pitch		Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand		mm	TPI	X	Y	L
301-01-001	301-01-002	08IR A 60	08IL A 60	3/16"	0.5~1.5	48~16	0.8	0.6	8
301-01-003	301-01-004	11IR A 60	11IL A 60	1/4"	0.5~1.5	48~16	0.8	0.9	11
301-01-005	301-01-006	16IR A 60	16IL A 60	3/8"	0.5~1.5	48~16	0.8	0.9	16
301-01-007	301-01-008	16IR AG 60	16IL AG 60	3/8"	0.5~3.0	48~8	1.2	1.7	16
301-01-009	301-01-010	16IR G 60	16IL G 60	3/8"	1.75~3.0	14~8	1.2	1.7	16
301-01-011	301-01-012	22IR N 60	22IL N 60	1/2"	3.5~5.0	7~5	1.6	2.4	22
301-01-013	301-01-014	27IR Q 60	27IL Q 60	5/8"	5.5~6.0	4.5~4	2.3	3.1	27

## PRITAL PROFILE 55°



External

Order No.		Model		D (IC)	Lead&Pitch		Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand		mm	TPI	X	Y	L
302-02-001	302-02-002	11ER A 55	11ELA 55	1/4"	0.5~1.5	48~16	0.8	0.9	11
302-02-003	302-02-004	16ER A 55	16ELA 55	3/8"	0.5~1.5	48~16	0.8	0.9	16
302-02-005	302-02-006	16ER AG 55	16EL AG 55	3/8"	0.5~3.0	48~8	1.2	1.7	16
302-02-007	302-02-008	16ER G 55	16EL G 55	3/8"	1.75~3.0	14~8	1.2	1.7	16
302-02-009	302-02-010	22ER N 55	22EL N 55	1/2"	3.5~5.0	7~5	1.7	2.5	22
302-02-011	302-02-012	27ER Q 55	27EL Q 55	5/8"	5.5~6.0	4.5~4	2	2.9	27



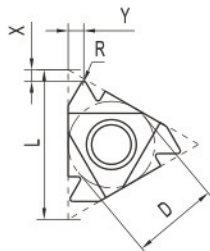
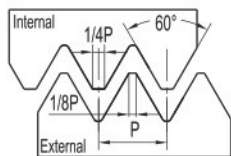
Internal

Order No.		Model		D (IC)	Lead&Pitch		Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand		mm	TPI	X	Y	L
301-02-001	301-02-002	08IR A 55	08IL A 55	3/16"	0.5~1.5	48~16	0.6	0.7	8
301-02-003	301-02-004	11IR A 55	11IL A 55	1/4"	0.5~1.5	48~16	0.8	0.9	11
301-02-005	301-02-006	16IR A 55	16IL A 55	3/8"	0.5~1.5	48~16	0.8	0.9	16
301-02-007	301-02-008	16IR AG 55	16IL AG 55	3/8"	0.5~3.0	48~8	1.2	1.7	16
301-02-009	301-02-010	16IR G 55	16IL G 55	3/8"	1.75~3.0	14~8	1.2	1.7	16
301-02-011	301-02-012	22IR N 55	22IL N 55	1/2"	3.5~5.0	7~5	1.7	2.5	22
301-02-013	301-02-014	27IR Q 55	27IL Q 55	5/8"	5.5~6.0	4.5~4	2.0	2.9	27

# THREADING CUTTER

## ISO METRIC FULL PROFILE

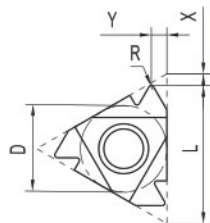
• According to standard ISO965-1,DIN13



External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-03-001	302-03-002	11ER 0.50ISO	11EL 0.50ISO	1/4"	0.5	0.6	0.4	11
302-03-003	302-03-004	11ER 0.75ISO	11EL 0.75ISO	1/4"	0.75	0.6	0.6	11
302-03-005	302-03-006	11ER 0.80ISO	11EL 0.80ISO	1/4"	0.8	0.6	0.6	11
302-03-007	302-03-008	11ER 1.00ISO	11EL 1.00ISO	1/4"	1.0	0.6	0.7	11
302-03-009	302-03-010	11ER 1.25ISO	11EL 1.25ISO	1/4"	1.25	0.6	0.9	11
302-03-011	302-03-012	11ER 1.50ISO	11EL 1.50ISO	1/4"	1.5	0.6	1.0	11
302-03-013	302-03-014	16ER 0.50ISO	16EL 0.50ISO	3/8"	0.5	0.6	0.6	16
302-03-015	302-03-016	16ER 0.75ISO	16EL 0.75ISO	3/8"	0.75	0.6	0.6	16
302-03-017	302-03-018	16ER 1.00ISO	16EL 1.00ISO	3/8"	1.0	0.7	0.7	16
302-03-019	302-03-020	16ER 1.25ISO	16EL 1.25ISO	3/8"	1.25	0.8	0.9	16
302-03-021	302-03-022	16ER 1.50ISO	16EL 1.50ISO	3/8"	1.50	0.8	1.0	16
302-03-023	302-03-024	16ER 1.75ISO	16EL 1.75ISO	3/8"	1.75	0.9	1.2	16
302-03-025	302-03-026	16ER 2.00ISO	16EL 2.00ISO	3/8"	2.0	1.0	1.3	16
302-03-027	302-03-028	16ER 2.50ISO	16EL 2.50ISO	3/8"	2.5	1.1	1.5	16
302-03-029	302-03-030	16ER 3.00ISO	16EL 3.00ISO	3/8"	3.0	1.2	1.6	16
302-03-031	302-03-032	22ER 3.50ISO	22EL 3.50ISO	1/2"	3.5	1.6	2.3	22
302-03-033	302-03-034	22ER 4.00ISO	22EL 4.00ISO	1/2"	4.0	1.6	2.3	22
302-03-035	302-03-036	22ER 4.50ISO	22EL 4.50ISO	1/2"	4.5	1.7	2.4	22
302-03-037	302-03-038	22ER 5.00ISO	22EL 5.00ISO	1/2"	5.0	1.7	2.5	22
302-03-039	302-03-040	27ER 5.50ISO	27EL 5.50ISO	5/8"	5.5	1.9	2.7	27
302-03-041	302-03-042	27ER 6.00ISO	27EL 6.00ISO	5/8"	6.0	2.0	2.9	27

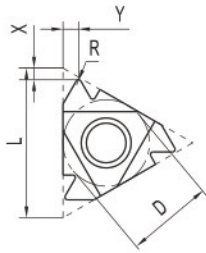
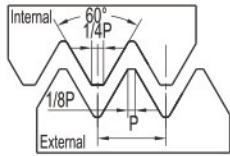
Internal



Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-03-001	301-03-002	11IR 0.50ISO	11IL 0.50ISO	1/4"	0.50	0.6	0.6	11
301-03-003	301-03-004	11IR 0.75ISO	11IL 0.75ISO	1/4"	0.75	0.6	0.6	11
301-03-005	301-03-006	11IR 1.00ISO	11IL 1.00ISO	1/4"	1.00	0.6	0.6	11
301-03-007	301-03-008	11IR 1.25ISO	11IL 1.25ISO	1/4"	1.25	0.7	0.7	11
301-03-009	301-03-010	11IR 1.50ISO	11IL 1.50ISO	1/4"	1.50	0.8	0.9	11
301-03-011	301-03-012	11IR 1.75ISO	11IL 1.75ISO	1/4"	1.75	0.8	1.0	11
301-03-013	301-03-014	11IR 2.00 ISO	11IL 2.00 ISO	1/4"	2.00	0.9	1.2	11
301-03-015	301-03-016	16IR 0.50ISO	16IL 0.50ISO	3/8"	0.50	1.0	1.3	16
301-03-017	301-03-018	16IR 0.75ISO	16IL 0.75ISO	3/8"	0.75	0.6	0.6	16
301-03-019	301-03-020	16IR 1.00ISO	16IL 1.00ISO	3/8"	1.00	0.7	0.7	16
301-03-021	301-03-022	16IR 1.25ISO	16IL 1.25ISO	3/8"	1.25	0.8	0.9	16
301-03-023	301-03-024	16IR 1.50ISO	16IL 1.50ISO	3/8"	1.50	0.8	1.0	16
301-03-025	301-03-026	16IR 1.75ISO	16IL 1.75ISO	3/8"	1.75	0.9	1.2	16
301-03-027	301-03-028	16IR 2.00ISO	16IL 2.00ISO	3/8"	2.00	1.0	1.3	16
301-03-029	301-03-030	16IR 2.50ISO	16IL 2.50ISO	3/8"	2.50	1.1	1.5	16
301-03-031	301-03-032	16IR 3.00ISO	16IL 3.00ISO	3/8"	3.00	1.1	1.5	16
301-03-033	301-03-034	22IR 3.50ISO	22IL 3.50ISO	1/2"	3.50	1.6	2.3	22
301-03-035	301-03-036	22IR 4.00ISO	22IL 4.00ISO	1/2"	4.00	1.6	2.3	22
301-03-037	301-03-038	22IR 4.50ISO	22IL 4.50ISO	1/2"	4.50	1.6	2.4	22
301-03-039	301-03-040	22IR 5.00ISO	22IL 5.00ISO	1/2"	5.00	1.6	2.5	22
301-03-041	301-03-042	27IR 5.50ISO	27IL 5.50ISO	5/8"	5.50	1.6	2.3	27
301-03-043	301-03-044	27IR 6.00ISO	27IL 6.00ISO	5/8"	6.00	1.8	2.5	27

AMERICAN UN FULL PROFILE

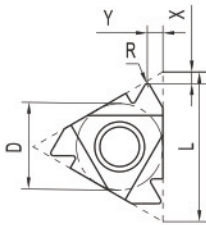
• According to standard ANSI B1.1-1983



External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-04-001	302-04-002	11ER 32UN	11EL 32UN	1/4"	32	0.6	0.6	11
302-04-003	302-04-004	11ER 28UN	11EL 28UN	1/4"	28	0.6	0.7	11
302-04-005	302-04-006	11ER 24UN	11EL 24UN	1/4"	24	0.7	0.8	11
302-04-007	302-04-008	11ER 20UN	11EL 20UN	1/4"	20	0.8	0.9	11
302-04-009	302-04-010	11ER 18UN	11EL 18UN	1/4"	18	0.8	1.0	11
302-04-011	302-04-012	11ER 16UN	11EL 16UN	1/4"	16	0.9	1.1	11
302-04-013	302-04-014	16ER 32UN	16EL 32UN	3/8"	32	0.6	0.6	16
302-04-015	302-04-016	16ER 28UN	16EL 28UN	3/8"	28	0.6	0.7	16
302-04-017	302-04-018	16ER 24UN	16EL 24UN	3/8"	24	0.7	0.8	16
302-04-019	302-04-020	16ER 20UN	16EL 20UN	3/8"	20	0.8	0.9	16
302-04-021	302-04-022	16ER 18UN	16EL 18UN	3/8"	18	0.8	1.0	16
302-04-023	302-04-024	16ER 16UN	16EL 16UN	3/8"	16	0.9	1.1	16
302-04-025	302-04-026	16ER 14UN	16EL 14UN	3/8"	14	1.0	1.2	16
302-04-027	302-04-028	16ER 12UN	16EL 12UN	3/8"	12	1.1	1.4	16
302-04-029	302-04-030	16ER 11UN	16EL 11UN	3/8"	11	1.1	1.5	16
302-04-031	302-04-032	16ER 10UN	16EL 10UN	3/8"	10	1.2	1.5	16
302-04-033	302-04-034	16ER 9UN	16EL 9UN	3/8"	9	1.2	1.7	16
302-04-035	302-04-036	16ER 8UN	16EL 8UN	3/8"	8	1.2	2.0	16
302-04-037	302-04-038	22ER 7UN	22EL 7UN	1/2"	7	1.6	2.3	22
302-04-039	302-04-040	22ER 6UN	22EL 6UN	1/2"	6	1.6	2.3	22
302-04-041	302-04-042	22ER 5UN	22EL 5UN	1/2"	5	1.7	2.5	22
302-04-043	302-04-044	27ER 4.5UN	27EL 4.5UN	5/8"	4.5	1.9	2.7	27
302-04-045	302-04-046	27ER 4UN	27EL 4UN	5/8"	4	2.1	3.0	27

Internal

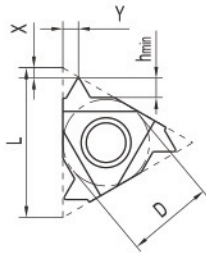
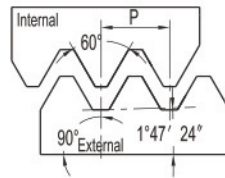


Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-04-001	301-04-002	08IR 32UN	08IL 32UN	3/16"	32	0.6	0.5	8
301-04-003	301-04-004	08IR 28UN	08IL 28UN	3/16"	28	0.6	0.6	8
301-04-005	301-04-006	08IR 24UN	08IL 24UN	3/16"	24	0.6	0.6	8
301-04-007	301-04-008	08IR 20UN	08IL 20UN	3/16"	20	0.6	0.7	8
301-04-009	301-04-010	08IR 18UN	08IL 18UN	3/16"	18	0.6	0.7	8
301-04-011	301-04-012	08IR 16UN	08IL 16UN	3/16"	16	0.6	0.7	8
301-04-013	301-04-014	11IR 32UN	11IL 32UN	1/4"	32	0.6	0.6	11
301-04-015	301-04-016	11IR 28UN	11IL 28UN	1/4"	28	0.6	0.7	11
301-04-017	301-04-018	11IR 24UN	11IL 24UN	1/4"	24	0.7	0.8	11
301-04-019	301-04-020	11IR 20UN	11IL 20UN	1/4"	20	0.8	0.9	11
301-04-021	301-04-022	11IR 18UN	11IL 18UN	1/4"	18	0.8	1.0	11
301-04-023	301-04-024	11IR 16UN	11IL 16UN	1/4"	16	0.9	1.1	11
301-04-025	301-04-026	16IR 32UN	16IL 32UN	3/8"	32	0.6	0.6	16
301-04-027	301-04-028	16IR 28UN	16IL 28UN	3/8"	28	0.6	0.7	16
301-04-029	301-04-030	16IR 24UN	16IL 24UN	3/8"	24	0.7	0.8	16
301-04-031	301-04-032	16IR 20UN	16IL 20UN	3/8"	20	0.8	0.9	16
301-04-033	301-04-034	16IR 18UN	16IL 18UN	3/8"	18	0.8	1.0	16
301-04-035	301-04-036	16IR 16UN	16IL 16UN	3/8"	16	0.9	1.1	16
301-04-037	301-04-038	16IR 14UN	16IL 14UN	3/8"	14	1.0	1.2	16
301-04-039	301-04-040	16IR 12UN	16IL 12UN	3/8"	12	1.1	1.4	16
301-04-041	301-04-042	16IR 11UN	16IL 11UN	3/8"	11	1.1	1.5	16
301-04-043	301-04-044	16IR 10UN	16IL 10UN	3/8"	10	1.1	1.5	16
301-04-045	301-04-046	16IR 9UN	16IL 9UN	3/8"	9	1.2	1.7	16
301-04-047	301-04-048	16IR 8UN	16IL 8UN	3/8"	8	1.2	1.5	16
301-04-049	301-04-050	22IR 7UN	22IL 7UN	1/2"	7	1.6	2.3	22
301-04-051	301-04-052	22IR 6UN	22IL 6UN	1/2"	6	1.6	2.3	22
301-04-053	301-04-054	22IR 5UN	22IL 5UN	1/2"	5	1.7	2.3	22
301-04-055	301-04-056	27IR 4.5UN	27IL 4.5UN	5/8"	4.5	1.9	2.4	27
301-04-057	301-04-058	27IR 4UN	27IL 4UN	5/8"	4	2.1	2.7	27

# THREADING CUTTER

## AMERICAN TAPER PIPE FULL PROFILE

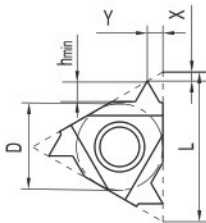
• According to standard ANSI/ASME B 1.20.1-1983



### External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-05-001	302-05-002	11ER 27NPT	11EL 27NPT	1/4"	27	0.7	0.8	11
302-05-003	302-05-004	11ER 18NPT	11EL 18NPT	1/4"	18	0.8	1.0	11
302-05-005	302-05-006	11ER 14NPT	11EL 14NPT	1/4"	14	0.8	1.0	11
302-05-007	302-05-008	16ER 27NPT	16EL 27NPT	3/8"	27	0.7	0.8	16
302-05-009	302-05-010	16ER 18NPT	16EL 18NPT	3/8"	18	0.8	1.0	16
302-05-011	302-05-012	16ER 14NPT	16EL 14NPT	3/8"	14	0.9	1.2	16
302-05-013	302-05-014	16ER 11.5NPT	16EL 11.5NPT	3/8"	11.5	1.1	1.5	16
302-05-015	302-05-016	16ER 8NPT	16EL 8NPT	3/8"	8	1.3	1.8	16

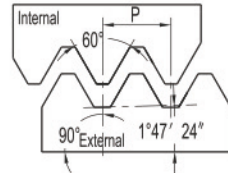
### Internal



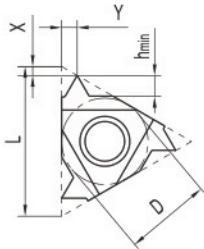
Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-05-001	301-05-002	08IR 27NPT	08IL 27NPT	3/16"	27	0.6	0.6	8
301-05-003	301-05-004	08IR 18NPT	08IL 18NPT	3/16"	18	0.6	0.6	8
301-05-005	301-05-006	11IR 27NPT	11IL 27NPT	1/4"	27	0.7	0.8	11
301-05-007	301-05-008	11IR 18NPT	11IL 18NPT	1/4"	18	0.8	1.0	11
301-05-009	301-05-010	11IR 14NPT	11IL 14NPT	1/4"	14	0.8	1.0	11
301-05-011	301-05-012	16IR 27NPT	16IL 27NPT	3/8"	27	0.7	0.8	16
301-05-013	301-05-014	16IR 18NPT	16IL 18NPT	3/8"	18	0.8	1.0	16
301-05-015	301-05-016	16IR 14NPT	16IL 14NPT	3/8"	14	0.9	1.2	16
301-05-017	301-05-018	16IR 11.5NPT	16IL 11.5NPT	3/8"	11.5	1.1	1.5	16
301-05-019	301-05-020	16IR 8NPT	16IL 8NPT	3/8"	8	1.3	1.8	16

**AMERICAN DRYSEAL TAPER PIPE FULL PROFILE**

• According to standard ANSI B1.20.3-1976

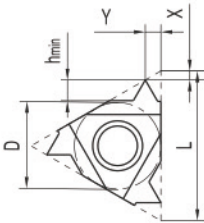


External



Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-06-001	302-06-002	11ER 27NPTF	11EL 27NPTF	1/4"	27	0.7	0.7	11
302-06-003	302-06-004	11ER 18NPTF	11EL 18NPTF	1/4"	18	0.8	1.0	11
302-06-005	302-06-006	11ER 14NPTF	11EL 14NPTF	1/4"	14	0.8	1.0	11
302-06-007	302-06-008	16ER 27NPTF	16EL 27NPTF	3/8"	27	0.7	0.7	16
302-06-009	302-06-010	16ER 18NPTF	16EL 18NPTF	3/8"	18	0.8	1.0	16
302-06-011	302-06-012	16ER 14NPTF	16EL 14NPTF	3/8"	14	0.9	1.2	16
302-06-013	302-06-014	16ER 11.5NPTF	16EL 11.5NPTF	3/8"	11.5	1.1	1.5	16
302-06-015	302-06-016	16ER 8NPTF	16EL 8NPTF	3/8"	8	1.5	1.8	16

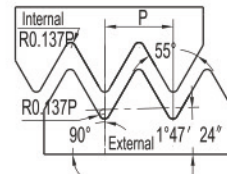
Internal



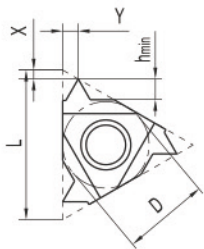
Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-06-001	301-06-002	08IR 27NPTF	08IL 27NPTF	3/16"	27	0.7	0.7	8
301-06-003	301-06-004	08IR 18NPTF	08IL 18NPTF	3/16"	18	0.8	1.0	8
301-06-005	301-06-006	11IR 27NPTF	11IL 27NPTF	1/4"	27	0.7	0.7	11
301-06-007	301-06-008	11IR 18NPTF	11IL 18NPTF	1/4"	18	0.8	1.0	11
301-06-009	301-06-010	11IR 14NPTF	11IL 14NPTF	1/4"	14	0.8	1.0	11
301-06-011	301-06-012	16IR 27NPTF	16IL 27NPTF	3/8"	27	0.7	0.7	16
301-06-013	301-06-014	16IR 18NPTF	16IL 18NPTF	3/8"	18	0.8	1.0	16
301-06-015	301-06-016	16IR 14NPTF	16IL 14NPTF	3/8"	14	0.9	1.2	16
301-06-017	301-06-018	16IR 11.5NPTF	16IL 11.5NPTF	3/8"	11.5	1.1	1.5	16
301-06-019	301-06-020	16IR 8NPTF	16IL 8NPTF	3/8"	8	1.5	1.8	16

**BRITISH STANDARD TAPER PIPE FULL PROFILE**

• According to standard B.S.21:1985

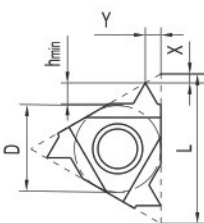


External



Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-07-001	302-07-002	11ER 28BSPT	11EL 28BSPT	1/4"	28	0.6	0.6	11
302-07-003	302-07-004	11ER 19BSPT	11EL 19BSPT	1/4"	19	0.8	0.9	11
302-07-005	302-07-006	11ER 14BSPT	11EL 14BSPT	1/4"	14	0.9	1.0	11
302-07-007	302-07-008	16ER 28BSPT	16EL 28BSPT	3/8"	28	0.6	0.6	16
302-07-009	302-07-010	16ER 19BSPT	16EL 19BSPT	3/8"	19	0.8	0.9	16
302-07-011	302-07-012	16ER 14BSPT	16EL 14BSPT	3/8"	14	1.0	1.2	16
302-07-013	302-07-014	16ER 11BSPT	16EL 11BSPT	3/8"	11	1.1	1.5	16

Internal

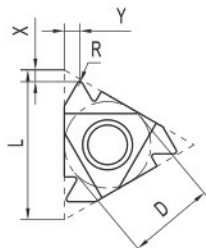
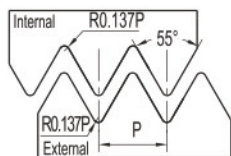


Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-07-001	301-07-002	11IR 28BSPT	11IL 28BSPT	1/4"	28	0.6	0.6	11
301-07-003	301-07-004	11IR 19BSPT	11IL 19BSPT	1/4"	19	0.8	0.9	11
301-07-005	301-07-006	11IR 14BSPT	11IL 14BSPT	1/4"	14	0.9	1.0	11
301-07-007	301-07-008	16IR 28BSPT	16IL 28BSPT	3/8"	28	0.6	0.6	16
301-07-009	301-07-010	16IR 19BSPT	16IL 19BSPT	3/8"	19	0.8	0.9	16
301-07-011	301-07-012	16IR 14BSPT	16IL 14BSPT	3/8"	14	1.0	1.2	16
301-07-013	301-07-014	16IR 11BSPT	16IL 11BSPT	3/8"	11	1.1	1.5	16

# THREADING CUTTER

## 55° WHITWORTH FULL PROFILE

• According to standard B.S.84:1956,ISO228-1982

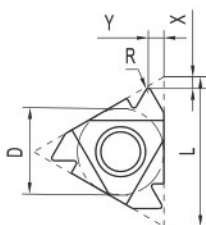


External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-08-001	302-08-002	11ER 28W	11EL 28W	1/4"	28	0.6	0.6	11
302-08-003	302-08-004	11ER 26W	11EL 26W	1/4"	28	0.6	0.7	11
302-08-005	302-08-006	11ER 20W	11EL 20W	1/4"	24	0.7	0.8	11
302-08-007	302-08-008	11ER 19W	11EL 19W	1/4"	20	0.8	0.9	11
302-08-009	302-08-010	11ER 16W	11EL 16W	1/4"	16	0.9	1.1	11
302-08-011	302-08-012	11ER 14W	11EL 14W	1/4"	32	0.6	0.6	11
302-08-013	302-08-014	16ER 28W	16EL 28W	3/8"	28	0.6	0.7	16
302-08-015	302-08-016	16ER 26W	16EL 26W	3/8"	26	0.7	0.8	16
302-08-017	302-08-018	16ER 20W	16EL 20W	3/8"	20	0.8	0.9	16
302-08-019	302-08-020	16ER 19W	16EL 19W	3/8"	19	0.8	1.0	16
302-08-021	302-08-022	16ER 14W	16EL 14W	3/8"	14	1.0	1.2	16
302-08-023	302-08-024	16ER 12W	16EL 12W	3/8"	12	1.1	1.4	16
302-08-025	302-08-026	16ER 11W	16EL 11W	3/8"	11	1.1	1.5	16
302-08-027	302-08-028	16ER 10W	16EL 10W	3/8"	10	1.2	1.5	16
302-08-029	302-08-030	16ER 9W	16EL 9W	3/8"	9	1.2	1.7	16
302-08-031	302-08-032	16ER 8W	16EL 8W	3/8"	8	1.2	2.0	16
302-08-033	302-08-034	22ER 7W	22EL 7W	1/2"	7	1.6	2.3	22
302-08-035	302-08-036	22ER 6W	22EL 6W	1/2"	6	1.6	2.3	22
302-08-037	302-08-038	22ER 5W	22EL 5W	1/2"	5	1.7	2.5	22
302-08-039	302-08-040	27ER 4.5W	27EL 4.5W	5/8"	4.5	1.9	2.7	27
302-08-041	302-08-042	27ER 4W	27EL 4W	5/8"	4	2.1	3.0	27

Internal

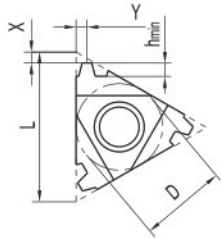
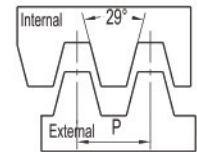
Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-08-001	301-08-002	08IR 28W	08IL 28W	3/16"	28	0.6	0.6	8
301-08-003	301-08-004	08IR 26W	08IL 26W	3/16"	26	0.6	0.6	8
301-08-005	301-08-006	08IR 24W	08IL 24W	3/16"	24	0.6	0.7	8
301-08-007	301-08-008	08IR 20W	08IL 20W	3/16"	20	0.6	0.7	8
301-08-009	301-08-010	08IR 19W	08IL 19W	3/16"	19	0.6	0.7	8
301-08-011	301-08-012	08IR 16W	08IL 16W	3/16"	16	0.6	0.7	8
301-08-013	301-08-014	11IR 28W	11IL 28W	1/4"	28	0.6	0.6	11
301-08-015	301-08-016	11IR 26W	11IL 26W	1/4"	28	0.6	0.7	11
301-08-017	301-08-018	11IR 20W	11IL 20W	1/4"	24	0.7	0.8	11
301-08-019	301-08-020	11IR 19W	11IL 19W	1/4"	20	0.8	0.9	11
301-08-021	301-08-022	11IR 16W	11IL 16W	1/4"	16	0.9	1.1	11
301-08-023	301-08-024	11IR 14W	11IL 14W	1/4"	32	0.6	0.6	11
301-08-025	301-08-026	16IR 28W	16IL 28W	3/8"	28	0.6	0.7	16
301-08-027	301-08-028	16IR 26W	16IL 26W	3/8"	26	0.7	0.8	16
301-08-029	301-08-030	16IR 20W	16IL 20W	3/8"	20	0.8	0.9	16
301-08-031	301-08-032	16IR 19W	16IL 19W	3/8"	19	0.8	1.0	16
301-08-033	301-08-034	16IR 14W	16IL 14W	3/8"	14	1.0	1.2	16
301-08-035	301-08-036	16IR 12W	16IL 12W	3/8"	12	1.1	1.4	16
301-08-037	301-08-038	16IR 11W	16IL 11W	3/8"	11	1.1	1.5	16
301-08-039	301-08-040	16IR 10W	16IL 10W	3/8"	10	1.2	1.5	16
301-08-041	301-08-042	16IR 9W	16IL 9W	3/8"	9	1.2	1.7	16
301-08-043	301-08-044	16IR 8W	16IL 8W	3/8"	8	1.2	2.0	16
301-08-045	301-08-046	22IR 7W	22IL 7W	1/2"	7	1.6	2.3	22
301-08-047	301-08-048	22IR 6W	22IL 6W	1/2"	6	1.6	2.3	22
301-08-049	301-08-050	22IR 5W	22IL 5W	1/2"	5	1.7	2.5	22
301-08-051	301-08-052	27IR 4.5W	27IL 4.5W	5/8"	4.5	1.9	2.7	27
301-08-053	301-08-054	27IR 4W	27IL 4W	5/8"	4	2.1	3.0	27





**INCH SIZE TRAPEZE ACME**

• According to standard ANSI/ASME 1.5-1988

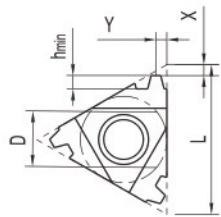


External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-09-001	302-09-002	16ER 16ACME	16EL 16ACME	3/8"	16	1	1.1	16
302-09-003	302-09-004	16ER 14ACME	16EL 14ACME	3/8"	14	1.0	1.2	16
302-09-005	302-09-006	16ER 12ACME	16EL 12ACME	3/8"	12	1.1	1.2	16
302-09-007	302-09-008	16ER 10ACME	16EL 10ACME	3/8"	10	1.3	1.4	16
302-09-009	302-09-010	16ER 8ACME	16EL 8ACME	3/8"	8	1.4	1.5	16
302-09-011	302-09-012	22ER 6ACME	22EL 6ACME	1/2"	6	1.7	1.9	22
302-09-013	302-09-014	22ER 5ACME	22EL 5ACME	1/2"	5	1.8	2.1	22
302-09-015	302-09-016	27ER 4ACME	27EL 4ACME	5/8"	4	2.0	2.3	27

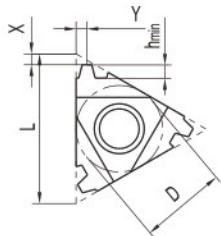
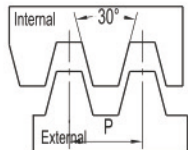
Internal

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-09-001	301-09-002	16IR 16ACME	16IL 16ACME	3/8"	16	1	1.1	16
301-09-003	301-09-004	16IR 14ACME	16IL 14ACME	3/8"	14	1.0	1.2	16
301-09-005	301-09-006	16IR 12ACME	16IL 12ACME	3/8"	12	1.1	1.2	16
301-09-007	301-09-008	16IR 10ACME	16IL 10ACME	3/8"	10	1.3	1.4	16
301-09-009	301-09-010	16IR 8ACME	16IL 8ACME	3/8"	8	1.4	1.5	16
301-09-011	301-09-012	22IR 6ACME	22IL 6ACME	1/2"	6	1.7	1.9	22
301-09-013	301-09-014	22IR 5ACME	22IL 5ACME	1/2"	5	1.8	2.1	22
301-09-015	301-09-016	27IR 4ACME	27IL 4ACME	5/8"	4	2.0	2.3	27



**METRIC SIZE TRAPEZE TR**

• According to standard DIN103-1977

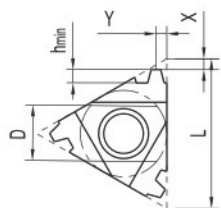


External

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
302-10-001	302-10-002	11ER 1.50TR	11EL 1.50TR	1/4"	1.5	0.8	0.9	11
302-10-003	302-10-004	16ER 1.50TR	16EL 1.50TR	3/8"	1.5	1.0	1.1	16
302-10-005	302-10-006	16ER 2.00TR	16EL 2.00TR	3/8"	2.0	1.1	1.3	16
302-10-007	302-10-008	16ER 2.50TR	16EL 2.50TR	3/8"	2.5	1.2	1.4	16
302-10-009	302-10-010	16ER 3.00TR	16EL 3.00TR	3/8"	3.0	1.3	1.5	16
302-10-011	302-10-012	22ER 4.00TR	22EL 4.00TR	1/2"	4.0	1.7	1.9	22
302-10-013	302-10-014	22ER 5.00TR	22EL 5.00TR	1/2"	5.0	2.1	2.5	22
302-10-015	302-10-016	22ER 6.00TR	22EL 6.00TR	1/2"	6.0	2.3	2.7	22
302-10-017	302-10-018	27ER 6.00TR	27EL 6.00TR	5/8"	6.0	2.3	2.7	27
302-10-019	302-10-020	27ER 7.00TR	27EL 7.00TR	5/8"	7.0	2.2	2.6	27

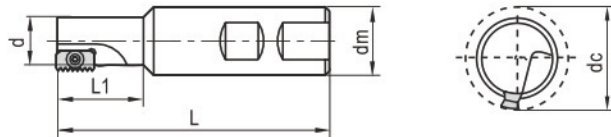
Internal

Order No.		Model		D (IC)	Pitch P(mm)	Dimensions(mm)		
Right hand	Left hand	Right hand	Left hand			X	Y	L
301-10-001	301-10-002	11IR 1.50TR	11IL 1.50TR	1/4"	1.5	0.8	0.9	11
301-10-003	301-10-004	16IR 1.50TR	16IL 1.50TR	3/8"	1.5	1.0	1.1	16
301-10-005	301-10-006	16IR 2.00TR	16IL 2.00TR	3/8"	2.0	1.1	1.3	16
301-10-007	301-10-008	16IR 2.50TR	16IL 2.50TR	3/8"	2.5	1.2	1.4	16
301-10-009	301-10-010	16IR 3.00TR	16IL 3.00TR	3/8"	3.0	1.3	1.5	16
301-10-011	301-10-012	22IR 4.00TR	22IL 4.00TR	1/2"	4.0	1.7	1.9	22
301-10-013	301-10-014	22IR 5.00TR	22IL 5.00TR	1/2"	5.0	2.1	2.5	22
301-10-015	301-10-016	22IR 6.00TR	22IL 6.00TR	1/2"	6.0	2.3	2.7	22
301-10-017	301-10-018	27IR 6.00TR	27IL 6.00TR	5/8"	6.0	2.3	2.7	27
301-10-019	301-10-020	27IR 7.00TR	27IL 7.00TR	5/8"	7.0	2.2	2.6	27



## INDEXABLE THREADING MILLS

- Used for cutting both internal and external thread.
- Shank according to DIN1835B.



Order No.	Model	Size(mm)					No. of teeth	Insert	Screw	Torx wrench	Weight
		dc	dm	d	L1	L					
241-17-001	SMT-14.5-14	14.5	20	11	25	85	1	14...	C030A07S	T9	0.2
241-17-002	SMT-17-14	17	20	14	30	85	1	14...	C030A07S	T9	0.3
241-17-003	SMT-20-14	20	20	17	35	90	1	14...	C030A07S	T9	0.3
241-17-004	SMT-25-14	25	25	22	40	100	1	14...	C030A07S	T9	0.4
241-17-005	SMT-18-21	18	20	14	30	85	1	21...	C040A09S	T15	0.3
241-17-006	SMT-21-21	21	20	17	40	95	1	21...	C040A09S	T15	0.3
241-17-007	SMT-25-21	25	25	21	50	115	1	21...	C040A09S	T15	0.4
241-17-008	SMT-29-30	29	25	24	50	115	1	30...	C050A12S	T20	0.6
241-17-009	SMT-48-40	48	40	40	80	160	1	40...	C050A12S	T20	2.3

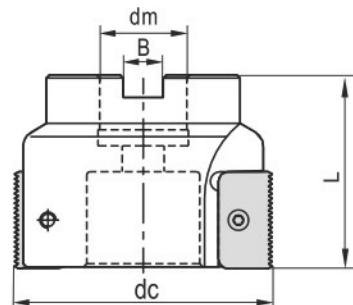
Inert not included

### Recommend cutting data

Application	Finish cutting			Medium cutting			rough cutting		
	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)
Steel	-	-	-	140-80	0.05-0.12	-	-	-	-
Stainless Steel	-	-	-	100-60	0.04-0.10	-	-	-	-
Cast iron	-	-	-	100-60	0.05-0.15	-	-	-	-
Non ferrous metal	-	-	-	-	-	-	-	-	-
High temperature alloy	-	-	-	-	-	-	-	-	-

## INDEXABLE THREADING CHASER

- used for cutting both internal and external thread.



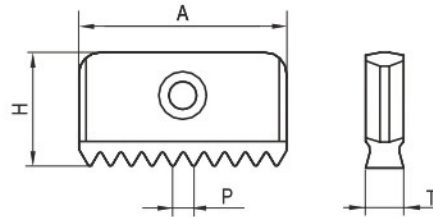
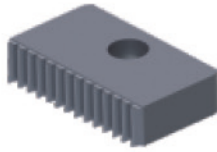
Order No.	Model	Size(mm)				No. of teeth	Insert	Screw	Torx wrench	Weight
		dc	dm	B	L					
231-17-001	SMF-50-14	50	22	10.4	40	5	14...	C030A07S	WT9	0.4
231-17-002	SMF-63-21	63	22	10.4	50	5	21...	C040A09S	WT15	0.6
231-17-003	SMF-80-21	80	27	12.4	50	6	21...	C040A09S	WT15	1.1
231-17-004	SMF-80-30	80	27	12.4	55	4	30...	C050A12S	WT20	1.1
231-17-005	SMF-100-30	100	32	14.4	60	4	30...	C050A12S	WT20	1.9
231-17-006	SMF-80-40	80	27	12.4	65	4	40...	C050A12S	WT20	1.1
231-17-007	SMF-100-40	100	32	14.4	70	4	40...	C050A12S	WT20	1.9

Inert not included

### Recommend cutting data

Application	Finish cutting			Medium cutting			rough cutting		
	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)	Surface speed Vc(m/min)	Feed per tooth fz(mm)	Cutting depth ap(mm)
Steel	-	-	-	140-80	0.05-0.12	-	-	-	-
Stainless Steel	-	-	-	100-60	0.04-0.10	-	-	-	-
Cast iron	-	-	-	100-60	0.08-0.15	-	-	-	-
Non ferrous metal	-	-	-	-	-	-	-	-	-
High temperature alloy	-	-	-	-	-	-	-	-	-

# CARBIDE ISO METRIC THREAD MILLING INSERTS FOR STEEL



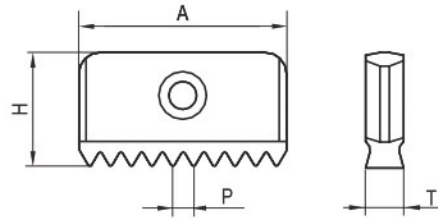
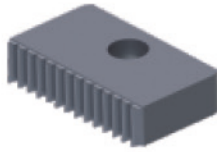
External

Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
304-17-001	14E0.75 ISO	0.75	14	7.5	3.1	EP2220	Steel
304-17-002	14E1.00 ISO	1.00	14	7.5	3.1	EP2220	Steel
304-17-003	14E1.25 ISO	1.25	14	7.5	3.1	EP2220	Steel
304-17-004	14E1.50 ISO	1.50	14	7.5	3.1	EP2220	Steel
304-17-005	14E1.75 ISO	1.75	14	7.5	3.1	EP2220	Steel
304-17-006	14E2.00 ISO	2.00	14	7.5	3.1	EP2220	Steel
304-17-007	14E2.50 ISO	2.50	14	7.5	3.1	EP2220	Steel
304-17-008	21E1.00 ISO	1.00	21	12	4.7	EP2220	Steel
304-17-009	21E1.50 ISO	1.50	21	12	4.7	EP2220	Steel
304-17-010	21E2.00 ISO	2.00	21	12	4.7	EP2220	Steel
304-17-011	21E2.50 ISO	2.50	21	12	4.7	EP2220	Steel
304-17-012	21E3.00 ISO	3.00	21	12	4.7	EP2220	Steel
304-17-013	30E1.50 ISO	1.50	30	16	5.5	EP2220	Steel
304-17-014	30E2.00 ISO	2.00	30	16	5.5	EP2220	Steel
304-17-015	30E3.00 ISO	3.00	30	16	5.5	EP2220	Steel
304-17-016	30E3.50 ISO	3.50	30	16	5.5	EP2220	Steel
304-17-017	30E4.00 ISO	4.00	30	16	5.5	EP2220	Steel
304-17-018	40E1.50 ISO	1.50	40	20	6.3	EP2220	Steel
304-17-019	40E2.00 ISO	2.00	40	20	6.3	EP2220	Steel
304-17-020	40E3.00 ISO	3.00	40	20	6.3	EP2220	Steel
304-17-021	40E4.00 ISO	4.00	40	20	6.3	EP2220	Steel
304-17-022	40E5.00 ISO	5.00	40	20	6.3	EP2220	Steel
304-17-023	40E6.00 ISO	6.00	40	20	6.3	EP2220	Steel

Internal

Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
303-17-001	1410.50 ISO	0.50	14	7.5	3.1	EP2220	Steel
303-17-002	1410.75 ISO	0.75	14	7.5	3.1	EP2220	Steel
303-17-003	1411.00 ISO	1.00	14	7.5	3.1	EP2220	Steel
303-17-004	1411.25 ISO	1.25	14	7.5	3.1	EP2220	Steel
303-17-005	1411.50 ISO	1.50	14	7.5	3.1	EP2220	Steel
303-17-006	1411.75 ISO	1.75	14	7.5	3.1	EP2220	Steel
303-17-007	1412.00 ISO	2.00	14	7.5	3.1	EP2220	Steel
303-17-008	1412.50 ISO	2.50	14	7.5	3.1	EP2220	Steel
303-17-009	2111.00 ISO	1.00	21	12	4.7	EP2220	Steel
303-17-010	2111.50 ISO	1.50	21	12	4.7	EP2220	Steel
303-17-011	2111.75 ISO	1.75	21	12	4.7	EP2220	Steel
303-17-012	2112.00 ISO	2.00	21	12	4.7	EP2220	Steel
303-17-013	2112.50 ISO	2.50	21	12	4.7	EP2220	Steel
303-17-014	2113.00 ISO	3.00	21	12	4.7	EP2220	Steel
303-17-015	2113.50 ISO	3.50	21	12	4.7	EP2220	Steel
303-17-016	3011.50 ISO	1.50	30	16	5.5	EP2220	Steel
303-17-017	3012.00 ISO	2.00	30	16	5.5	EP2220	Steel
303-17-018	3013.00 ISO	3.00	30	16	5.5	EP2220	Steel
303-17-019	3013.50 ISO	3.50	30	16	5.5	EP2220	Steel
303-17-020	3014.00 ISO	4.00	30	16	5.5	EP2220	Steel
303-17-021	3014.50 ISO	4.50	30	16	5.5	EP2220	Steel
303-17-022	4011.50 ISO	1.50	40	20	6.3	EP2220	Steel
303-17-023	4012.00 ISO	2.00	40	20	6.3	EP2220	Steel
303-17-024	4013.00 ISO	3.00	40	20	6.3	EP2220	Steel
303-17-025	4013.50 ISO	3.50	40	20	6.3	EP2220	Steel
303-17-026	4014.00 ISO	4.00	40	20	6.3	EP2220	Steel
303-17-027	4014.50 ISO	4.50	40	20	6.3	EP2220	Steel
303-17-028	4015.00 ISO	5.00	40	20	6.3	EP2220	Steel
303-17-029	4015.50 ISO	5.50	40	20	6.3	EP2220	Steel
303-17-030	4016.00 ISO	6.00	40	20	6.3	EP2220	Steel

CARBIDE ISO METRIC THREAD MILLING INSERTS FOR STAINLESS STEEL



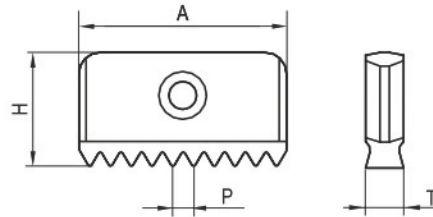
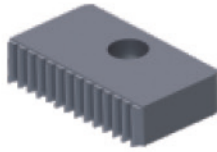
External

Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
306-17-001	14E0.75 ISO	0.75	14	7.5	3.1	EP3220	INOX
306-17-002	14E1.00 ISO	1.00	14	7.5	3.1	EP3220	INOX
306-17-003	14E1.25 ISO	1.25	14	7.5	3.1	EP3220	INOX
306-17-004	14E1.50 ISO	1.50	14	7.5	3.1	EP3220	INOX
306-17-005	14E1.75 ISO	1.75	14	7.5	3.1	EP3220	INOX
306-17-006	14E2.00 ISO	2.00	14	7.5	3.1	EP3220	INOX
306-17-007	14E2.50 ISO	2.50	14	7.5	3.1	EP3220	INOX
306-17-008	21E1.00 ISO	1.00	21	12	4.7	EP3220	INOX
306-17-009	21E1.50 ISO	1.50	21	12	4.7	EP3220	INOX
306-17-010	21E2.00 ISO	2.00	21	12	4.7	EP3220	INOX
306-17-011	21E2.50 ISO	2.50	21	12	4.7	EP3220	INOX
306-17-012	21E3.00 ISO	3.00	21	12	4.7	EP3220	INOX
306-17-013	30E1.50 ISO	1.50	30	16	5.5	EP3220	INOX
306-17-014	30E2.00 ISO	2.00	30	16	5.5	EP3220	INOX
306-17-015	30E3.00 ISO	3.00	30	16	5.5	EP3220	INOX
306-17-016	30E3.50 ISO	3.50	30	16	5.5	EP3220	INOX
306-17-017	30E4.00 ISO	4.00	30	16	5.5	EP3220	INOX
306-17-018	40E1.50 ISO	1.50	40	20	6.3	EP3220	INOX
306-17-019	40E2.00 ISO	2.00	40	20	6.3	EP3220	INOX
306-17-020	40E3.00 ISO	3.00	40	20	6.3	EP3220	INOX
306-17-021	40E4.00 ISO	4.00	40	20	6.3	EP3220	INOX
306-17-022	40E5.00 ISO	5.00	40	20	6.3	EP3220	INOX
306-17-023	40E6.00 ISO	6.00	40	20	6.3	EP3220	INOX

Internal

Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
305-17-001	1410.50 ISO	0.50	14	7.5	3.1	EP3220	INOX
305-17-002	1410.75 ISO	0.75	14	7.5	3.1	EP3220	INOX
305-17-003	1411.00 ISO	1.00	14	7.5	3.1	EP3220	INOX
305-17-004	1411.25 ISO	1.25	14	7.5	3.1	EP3220	INOX
305-17-005	1411.50 ISO	1.50	14	7.5	3.1	EP3220	INOX
305-17-006	1411.75 ISO	1.75	14	7.5	3.1	EP3220	INOX
305-17-007	1412.00 ISO	2.00	14	7.5	3.1	EP3220	INOX
305-17-008	1412.50 ISO	2.50	14	7.5	3.1	EP3220	INOX
305-17-009	2111.00 ISO	1.00	21	12	4.7	EP3220	INOX
305-17-010	2111.50 ISO	1.50	21	12	4.7	EP3220	INOX
305-17-011	2111.75 ISO	1.75	21	12	4.7	EP3220	INOX
305-17-012	2112.00 ISO	2.00	21	12	4.7	EP3220	INOX
305-17-013	2112.50 ISO	2.50	21	12	4.7	EP3220	INOX
305-17-014	2113.00 ISO	3.00	21	12	4.7	EP3220	INOX
305-17-015	2113.50 ISO	3.50	21	12	4.7	EP3220	INOX
305-17-016	3011.50 ISO	1.50	30	16	5.5	EP3220	INOX
305-17-017	3012.00 ISO	2.00	30	16	5.5	EP3220	INOX
305-17-018	3013.00 ISO	3.00	30	16	5.5	EP3220	INOX
305-17-019	3013.50 ISO	3.50	30	16	5.5	EP3220	INOX
305-17-020	3014.00 ISO	4.00	30	16	5.5	EP3220	INOX
305-17-021	3014.50 ISO	4.50	30	16	5.5	EP3220	INOX
305-17-022	4011.50 ISO	1.50	40	20	6.3	EP3220	INOX
305-17-023	4012.00 ISO	2.00	40	20	6.3	EP3220	INOX
305-17-024	4013.00 ISO	3.00	40	20	6.3	EP3220	INOX
305-17-025	4013.50 ISO	3.50	40	20	6.3	EP3220	INOX
305-17-026	4014.00 ISO	4.00	40	20	6.3	EP3220	INOX
305-17-027	4014.50 ISO	4.50	40	20	6.3	EP3220	INOX
305-17-028	4015.00 ISO	5.00	40	20	6.3	EP3220	INOX
305-17-029	4015.50 ISO	5.50	40	20	6.3	EP3220	INOX
305-17-030	4016.00 ISO	6.00	40	20	6.3	EP3220	INOX

# CARBIDE ISO METRIC THREAD MILLING INSERTS FOR CAST IRON



External

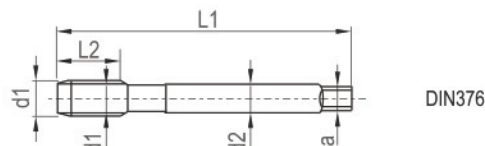
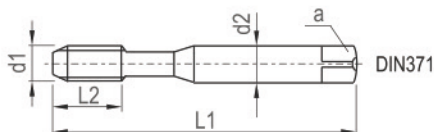
Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
308-17-001	14E0.75 ISO	0.75	14	7.5	3.1	EP3220	Cast Iron
308-17-002	14E1.00 ISO	1.00	14	7.5	3.1	EP3220	Cast Iron
308-17-003	14E1.25 ISO	1.25	14	7.5	3.1	EP3220	Cast Iron
308-17-004	14E1.50 ISO	1.50	14	7.5	3.1	EP3220	Cast Iron
308-17-005	14E1.75 ISO	1.75	14	7.5	3.1	EP3220	Cast Iron
308-17-006	14E2.00 ISO	2.00	14	7.5	3.1	EP3220	Cast Iron
308-17-007	14E2.50 ISO	2.50	14	7.5	3.1	EP3220	Cast Iron
308-17-008	21E1.00 ISO	1.00	21	12	4.7	EP3220	Cast Iron
308-17-009	21E1.50 ISO	1.50	21	12	4.7	EP3220	Cast Iron
308-17-010	21E2.00 ISO	2.00	21	12	4.7	EP3220	Cast Iron
308-17-011	21E2.50 ISO	2.50	21	12	4.7	EP3220	Cast Iron
308-17-012	21E3.00 ISO	3.00	21	12	4.7	EP3220	Cast Iron
308-17-013	30E1.50 ISO	1.50	30	16	5.5	EP3220	Cast Iron
308-17-014	30E2.00 ISO	2.00	30	16	5.5	EP3220	Cast Iron
308-17-015	30E3.00 ISO	3.00	30	16	5.5	EP3220	Cast Iron
308-17-016	30E3.50 ISO	3.50	30	16	5.5	EP3220	Cast Iron
308-17-017	30E4.00 ISO	4.00	30	16	5.5	EP3220	Cast Iron
308-17-018	40E1.50 ISO	1.50	40	20	6.3	EP3220	Cast Iron
308-17-019	40E2.00 ISO	2.00	40	20	6.3	EP3220	Cast Iron
308-17-020	40E3.00 ISO	3.00	40	20	6.3	EP3220	Cast Iron
308-17-021	40E4.00 ISO	4.00	40	20	6.3	EP3220	Cast Iron
308-17-022	40E5.00 ISO	5.00	40	20	6.3	EP3220	Cast Iron
308-17-023	40E6.00 ISO	6.00	40	20	6.3	EP3220	Cast Iron

Internal

Order No.	Model	Pitch P(mm)	Insert size			Grade	Application
			A	H	T		
307-17-001	1410.50 ISO	0.50	14	7.5	3.1	EP3220	Cast Iron
307-17-002	1410.75 ISO	0.75	14	7.5	3.1	EP3220	Cast Iron
307-17-003	1411.00 ISO	1.00	14	7.5	3.1	EP3220	Cast Iron
307-17-004	1411.25 ISO	1.25	14	7.5	3.1	EP3220	Cast Iron
307-17-005	1411.50 ISO	1.50	14	7.5	3.1	EP3220	Cast Iron
307-17-006	1411.75 ISO	1.75	14	7.5	3.1	EP3220	Cast Iron
307-17-007	1412.00 ISO	2.00	14	7.5	3.1	EP3220	Cast Iron
307-17-008	1412.50 ISO	2.50	14	7.5	3.1	EP3220	Cast Iron
307-17-009	2111.00 ISO	1.00	21	12	4.7	EP3220	Cast Iron
307-17-010	2111.50 ISO	1.50	21	12	4.7	EP3220	Cast Iron
307-17-011	2111.75 ISO	1.75	21	12	4.7	EP3220	Cast Iron
307-17-012	2112.00 ISO	2.00	21	12	4.7	EP3220	Cast Iron
307-17-013	2112.50 ISO	2.50	21	12	4.7	EP3220	Cast Iron
307-17-014	2113.00 ISO	3.00	21	12	4.7	EP3220	Cast Iron
307-17-015	2113.50 ISO	3.50	21	12	4.7	EP3220	Cast Iron
307-17-016	3011.50 ISO	1.50	30	16	5.5	EP3220	Cast Iron
307-17-017	3012.00 ISO	2.00	30	16	5.5	EP3220	Cast Iron
307-17-018	3013.00 ISO	3.00	30	16	5.5	EP3220	Cast Iron
307-17-019	3013.50 ISO	3.50	30	16	5.5	EP3220	Cast Iron
307-17-020	3014.00 ISO	4.00	30	16	5.5	EP3220	Cast Iron
307-17-021	3014.50 ISO	4.50	30	16	5.5	EP3220	Cast Iron
307-17-022	4011.50 ISO	1.50	40	20	6.3	EP3220	Cast Iron
307-17-023	4012.00 ISO	2.00	40	20	6.3	EP3220	Cast Iron
307-17-024	4013.00 ISO	3.00	40	20	6.3	EP3220	Cast Iron
307-17-025	4013.50 ISO	3.50	40	20	6.3	EP3220	Cast Iron
307-17-026	4014.00 ISO	4.00	40	20	6.3	EP3220	Cast Iron
307-17-027	4014.50 ISO	4.50	40	20	6.3	EP3220	Cast Iron
307-17-028	4015.00 ISO	5.00	40	20	6.3	EP3220	Cast Iron
307-17-029	4015.50 ISO	5.50	40	20	6.3	EP3220	Cast Iron
307-17-030	4016.00 ISO	6.00	40	20	6.3	EP3220	Cast Iron

## HSS-E ISO METRIC COARSE THREAD SPIRAL POINT MACHINE TAP

- Spiral point • Right hand cutting.
- Ground teeth and Chamfer :4-5 threads
- Hole of application: through hole and thread depth <3d1.



Order No.	Application	Size (d1)	thread length (L2)	Total Length (L1)	Shank Dia. (d2)	Square (a)
-----------	-------------	-----------	--------------------	-------------------	-----------------	------------

DIN371



442-12-001	Stainless steel	M3x0.5	11	56	3.5	2.7
442-12-002	Stainless steel	M4x0.7	13	63	4.5	3.4
442-12-003	Stainless steel	M5x0.8	16	70	6	4.9
442-12-004	Stainless steel	M6x1	19	80	6	4.9
442-12-005	Stainless steel	M8x1.25	22	90	8	6.2
442-12-006	Stainless steel	M10x1.5	24	100	10	8

DIN376



442-22-007	Stainless steel	M12x1.75	29	110	9	7
442-22-008	Stainless steel	M14x2	30	110	11	9
442-22-009	Stainless steel	M16x2	32	110	12	9
442-22-010	Stainless steel	M18x2.5	34	125	14	11
442-22-011	Stainless steel	M20x2.5	34	140	16	12
442-22-012	Stainless steel	M22x2.5	34	140	18	14.5
442-22-013	Stainless steel	M24x3	38	160	18	14.5

Order No.	Application	Size (d1)	thread length (L2)	Total Length (L1)	Shank Dia. (d2)	Square (a)
-----------	-------------	-----------	--------------------	-------------------	-----------------	------------

DIN371



442-13-001	Cast Iron	M3x0.5	11	56	3.5	2.7
442-13-002	Cast Iron	M4x0.7	13	63	4.5	3.4
442-13-003	Cast Iron	M5x0.8	16	70	6	4.9
442-13-004	Cast Iron	M6x1	19	80	6	4.9
442-13-005	Cast Iron	M8x1.25	22	90	8	6.2
442-13-006	Cast Iron	M10x1.5	24	100	10	8

DIN376



442-23-007	Cast Iron	M12x1.75	29	110	9	7
442-23-008	Cast Iron	M14x2	30	110	11	9
442-23-009	Cast Iron	M16x2	32	110	12	9
442-23-010	Cast Iron	M18x2.5	34	125	14	11
442-23-011	Cast Iron	M20x2.5	34	140	16	12
442-23-012	Cast Iron	M22x2.5	34	140	18	14.5
442-23-013	Cast Iron	M24x3	38	160	18	14.5

Order No.	Application	Size (d1)	thread length (L2)	Total Length (L1)	Shank Dia. (d2)	Square (a)
-----------	-------------	-----------	--------------------	-------------------	-----------------	------------

DIN371



442-14-001	Alloy Steel	M3x0.5	11	56	3.5	2.7
442-14-002	Alloy Steel	M4x0.7	13	63	4.5	3.4
442-14-003	Alloy Steel	M5x0.8	16	70	6	4.9
442-14-004	Alloy Steel	M6x1	19	80	6	4.9
442-14-005	Alloy Steel	M8x1.25	22	90	8	6.2
442-14-006	Alloy Steel	M10x1.5	24	100	10	8

DIN376



442-24-007	Alloy Steel	M12x1.75	29	110	9	7
442-24-008	Alloy Steel	M14x2	30	110	11	9
442-24-009	Alloy Steel	M16x2	32	110	12	9
442-24-010	Alloy Steel	M18x2.5	34	125	14	11
442-24-011	Alloy Steel	M20x2.5	34	140	16	12
442-24-012	Alloy Steel	M22x2.5	34	140	18	14.5
442-24-013	Alloy Steel	M24x3	38	160	18	14.5

Order No.	Application	Size (d1)	thread length (L2)	Total Length (L1)	Shank Dia. (d2)	Square (a)
-----------	-------------	-----------	--------------------	-------------------	-----------------	------------

DIN371



442-11-001	Universal	M3x0.5	11	56	3.5	2.7
442-11-002	Universal	M4x0.7	13	63	4.5	3.4
442-11-003	Universal	M5x0.8	16	70	6	4.9
442-11-004	Universal	M6x1	19	80	6	4.9
442-11-005	Universal	M8x1.25	22	90	8	6.2
442-11-006	Universal	M10x1.5	24	100	10	8

DIN376



442-21-007	Universal	M12x1.75	29	110	9	7
442-21-008	Universal	M14x2	30	110	11	9
442-21-009	Universal	M16x2	32	110	12	9
442-21-010	Universal	M18x2.5	34	125	14	11
442-21-011	Universal	M20x2.5	34	140	16	12
442-21-012	Universal	M22x2.5	34	140	18	14.5
442-21-013	Universal	M24x3	38	160	18	14.5