

D

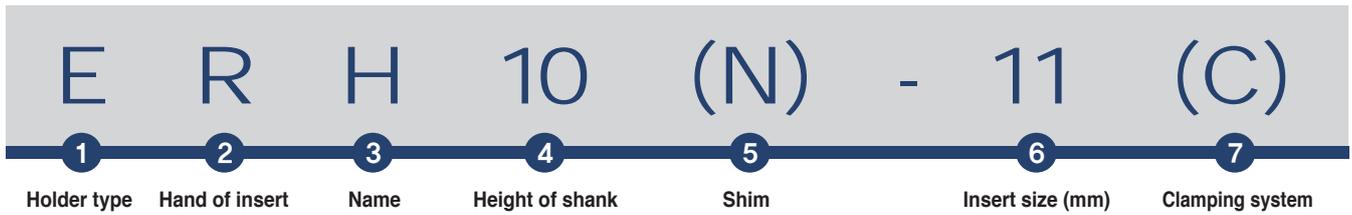
THREADING

Korloy threading tools are available for machining various shapes of thread at various pitches while ensuring high quality performances



D Threading Code System

Threading holder code system

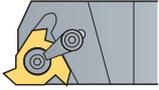


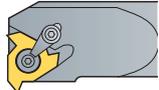
1 Holder type
E R H 10 (N) - 11 (C)
 E: For External I: For Internal

2 Hand of insert
E R H 10 (N) - 11 (C)
 R: Right handed L: Left handed

3 Name
E R H 10 (N) - 11 (C)
 H: Holder

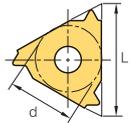
4 Height of shank
E R H 10 (N) - 11 (C)


 - External
 8, 10, 12, 16, 20,
 25, 32, 40, 50


 - Internal
 10, 12, 13, 16, 20,
 25, 32, 49, 50, 60
* Refer to the specification for shank diameter information

6 Insert size (mm)
E R H 10 (N) - 11 (C)

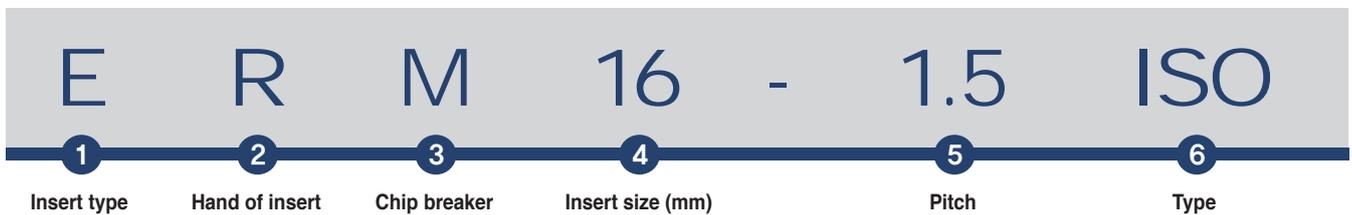
11: d = 6.35
 16: d = 9.525
 22: d = 12.7
 27: d = 15.875



5 Shim
E R H 10 (N) - 11 (C)
 No code: Shim required
 N: No shim required

7 Clamping system
E R H 10 (N) - 11 (C)
 No code: Screw on system
 C: Clamp on system

Threading insert code system



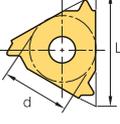
1 Insert type
E R M 16 - 1.5 ISO
 E: External thread I: Internal thread

2 Hand of insert
E R M 16 - 1.5 ISO
 R: Right handed L: Left handed

3 Chip breaker
E R M 16 - 1.5 ISO
 M: With chip breaker

4 Insert size (mm)
E R M 16 - 1.5 ISO

11: d = 6.35
 16: d = 9.525
 22: d = 12.7
 27: d = 15.875



Insert shape


 < ER/IR >


 < ERM/IRM >

5 Pitch
E R M 16 - 1.5 ISO

Full profile		Partial profile	
mm	tpi	mm	tpi
0.35-6.0	72-3	A 0.5-1.5	48-16
		AG 0.5-3.0	48-8
		G 1.75-3.0	14-8
		N 3.5-5.0	7-5
		Q 5.5-6.0	4.5-4

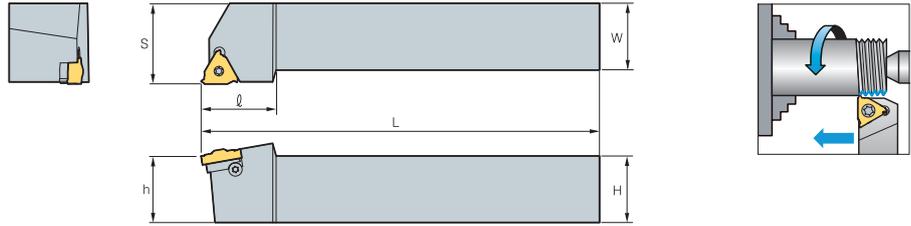
6 Type
E R M 16 - 1.5 ISO

Partial profile 60°
 Partial Profile 55°
 ISO Metric (Full Profile)
 American UN (Full Profile) UN, UNC, UNF, UNEF
 Whitworth (Full Profile) BSW, BSF, BSP
 British Standard Pipe thread (Full Profile) BSPT
 National Pipe Thread (Full Profile) NPT
 National Pipe Threads-Dryseal (Full Profile) NPTF
 Round DIN 405
 Trapez DIN 103
 American ACME
 Stub ACME
 UNJ
 American Buttress
 British Buttress
 Metric Buttress-Sagengewinde
 API
 API Buttress Casing
 API Round Casing & Tubing
 EL-Extreme Line Casing



ER(L)H

(Screw on system)



Righthand drawing

(mm)

Designation	Inscribed circle	H	W	L	S	H	ℓ	Insert screw	Shim screw	Screw RH	Screw LH	Wrench	
ER(L)H	08N-11	6.35	8	8	136.4	11	8	17.5					
	10N-11	6.35	10	10	70.0	11	10	17.5	ST11N	-	-	-	TW08P
	12N-11	6.35	12	12	80.0	12	12	17.5					
	12N-16	9.525	12	12	83.2	16	12	22	ST16N	-	-	-	TW10P
	09-16	9.525	9.52	9.52	63.6	16	9.52	20.5					
	12-16	9.525	12	12	83.2	16	12	22					
	16-16	9.525	16	16	100.0	16	16	20.5					
	20-16	9.525	20	20	128.6	20	20	30	ST16	STA16	ATE16	ATI22	TW10P
	25-16	9.525	25	25	153.6	25	25	30					
	32-16	9.525	32	32	173.6	32	32	30					
	25-22	12.7	25	25	155.7	25	25	36					
	32-22	12.7	32	32	175.7	32	32	36	ST22	STA22	ATE22	ATI22	TW20P
	40-22	12.7	40	40	205.7	40	40	36					
	25-27	15.875	25	25	151.6	32	25	35					
	32-27	15.875	32	32	176.6	32	32	40					
	40-27	15.875	40	40	206.6	40	40	40	ST27	STA27	ATE27	ATI27	TW25L
50-27	15.875	50	50	256.6	50	50	40						

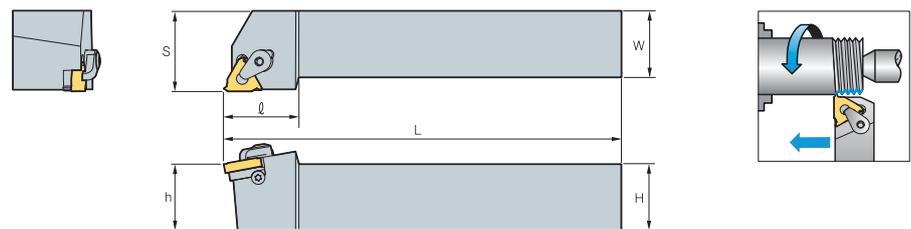
↻ Applicable inserts D10~D13, D16, D18, D19, D22, D23~D26

• Helix angle is 1.5° for all holders

• No shim needed for N type holder

ER(L)H-C

(Clamp on system)



Righthand drawing

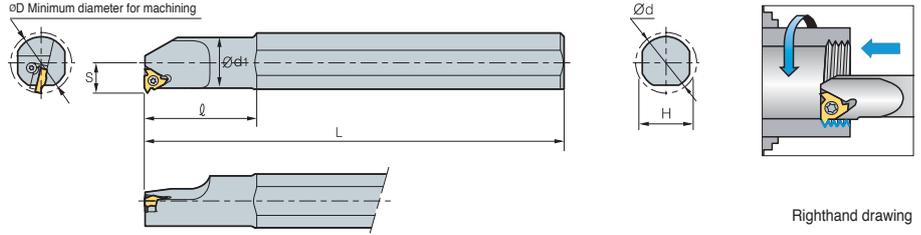
(mm)

Designation	Inscribed circle	H	W	L	S	H	ℓ	Shim screw	Clamp	Screw RH	Screw LH	Wrench	
ER(L)H	20-16C	9.525	20	20	128.6	20	20	30					
	25-16C	9.525	25	25	153.6	25	25	30	STA16	CTH16	ATE16	ATI16	TW10P
	32-16C	9.525	32	32	173.6	32	32	30					TW15P
	25-22C	12.7	25	25	155.7	25	25	36					
	32-22C	12.7	32	32	175.7	32	32	36	STA22	CTH22	ATE22	ATI22	TW20P
	40-22C	12.7	40	40	205.7	40	40	36					
	25-27C	15.875	25	25	151.6	25	25	35					
	32-27C	15.875	32	32	176.6	32	32	40					
	40-27C	15.875	40	40	206.6	40	40	40	STA27	CTH27	ATE27	ATI27	TW25L
	50-27C	15.875	50	50	256.6	50	50	40					

↻ Applicable inserts D10~D13, D16, D18, D19, D22, D23~D26

• Helix angle is 1.5° for all holders

IR(L)H (Screw on system)

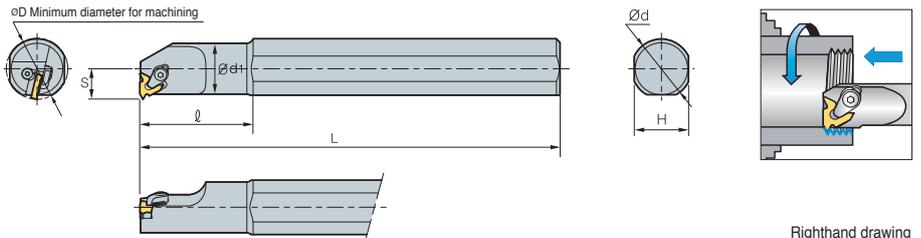


Righthand drawing
(mm)

Designation	Inscribed circle	ØD	Ød	Ød ₁	H	L	S	ℓ	Insert screw	Shim screw	Screw RH	Screw LH	Wrench	
IR(L)H	10DN-11	6.35	13	10	10.0	9.5	100	7.3	-	-	-	-	-	-
	10N-11	6.35	13	20	10.0	18.0	180	7.3	25	ST11N	-	-	-	TW08P
	13N-11	6.35	16	20	13.0	18.0	180	8.9	32	-	-	-	-	-
	13N-16	9.525	17	20	12.7	18.0	180	10.3	32	-	-	-	-	-
	16N-16	9.525	20	20	16.0	18.0	180	11.5	40	ST16N	-	-	-	TW10P
	16DN-16	9.525	20	16	16.0	15.2	150	11.3	32	-	-	-	-	-
	20-16	9.525	24	20	20.0	18.0	180	13.4	40	-	-	-	-	-
	25-16	9.525	29	32	25.0	29.0	250	16.3	60	-	-	-	-	-
	25D-16	9.525	29	25	24.5	22.6	200	16.1	45	ST16	STA16	ATI16	ATE16	TW10P
	32-16	9.525	36	32	32.0	29.0	250	19.6	60	-	-	-	-	-
	40-16	9.525	44	40	40.0	36.0	300	23.8	60	-	-	-	-	-
	20N-22	12.7	27	20	20.0	18.0	180	15.6	50	ST22N	-	-	-	TW20P
	25-22	12.7	32	32	25.0	29.0	250	17.4	60	-	-	-	-	-
	25D-22	12.7	32	25	24.6	22.6	200	17.2	45	ST22	STA22	ATI22	ATE22	TW20P
	32-22	12.7	39	32	32.0	29.0	250	21.5	60	-	-	-	-	-
	40-22	12.7	47	40	40.0	36.0	300	25.8	60	-	-	-	-	-
32-27	15.875	40	32	32.0	29.0	250	22.4	60	-	-	-	-	-	
40-27	15.875	48	40	40.0	36.0	300	26.4	60	-	-	-	-	-	
50-27	15.875	58	50	50.0	45.0	350	31.4	75	-	-	-	-	-	
60-27	15.875	69	60	60.0	54.0	400	36.4	75	ST27	STA27	ATI27	ATE27	TW25L	

↻ Applicable inserts D10, D11, D14, D15, D17, D20~D25, D27~D30 • Helix angle is 1.5° for all holders • No shim needed for N type holder

IR(L)H-C (Clamp on system)



Righthand drawing
(mm)

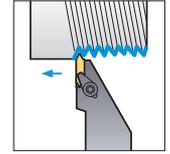
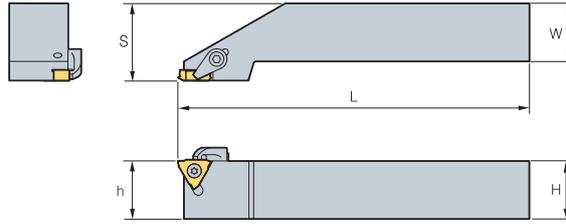
Designation	Inscribed circle	ØD	Ød	Ød ₁	H	L	S	ℓ	Shim screw	Clamp	Screw RH	Screw LH	Wrench	
IR(L)H	20-16C	9.525	24	20	20.0	18.0	13.4	50	-	-	-	-	-	
	25-16C	9.525	29	32	25.0	28.0	250	16.3	60	-	-	-	-	
	25D-16C	9.525	29	25	24.6	22.6	200	16.1	45	STA16	CTH16	ATI16	ATE16	TW10P TW15P
	32-16C	9.525	36	32	32.0	29.0	250	19.6	60	-	-	-	-	-
	40-16C	9.525	44	40	40.0	36.0	300	23.8	60	-	-	-	-	-
	25-22C	12.7	32	32	25.0	29.0	250	17.4	60	-	-	-	-	-
	25D-22C	12.7	32	25	24.6	22.6	200	17.2	45	STA22	CTH22	ATI22	ATE22	TW20P
	32-22C	12.7	39	32	32.0	29.0	250	21.5	60	-	-	-	-	-
	40-22C	12.7	47	40	40.0	36.0	300	25.8	60	-	-	-	-	-
	32-27C	15.875	40	32	32.0	29.0	250	22.4	60	-	-	-	-	-
	40-27C	15.875	48	40	40.0	36.0	300	26.4	60	-	-	-	-	-
	50-27C	15.875	58	50	50.0	45.0	350	31.4	75	-	-	-	-	-
	60-27C	15.875	69	60	60.5	54.0	400	36.4	75	STA27	CTH27	ATI27	ATE27	TW25L

↻ Applicable inserts D10, D11, D14, D15, D17, D20~D25, D27~D30 • Helix angle is 1.5° for all holders

VTH



VETR



Righthand drawing
(mm)

Designation	H = (h)	W	L	S	Insert	Clamp	Clamp screw	Screw	Wrench				
VTH	2020R	20	20	125	VETR								
	2525R	25	25	150						CS6R1	DHA0617	FTKA03510	TW15P, HW30L
	3225R	32	25	170						33.4			

Vertical type thread insert

Picture	Designation	Material		Dimensions			Configuration
		Cermet	Uncoated	Pitch (mm)	θ	f	
	VETR 080			0.8	60°	1.4	 d : 9.525 t : 4.76
	100		●	1.0	60°	1.4	
	125			1.25	60°	1.4	
	150		●	1.5	60°	1.2	
	175			1.75	60°	1.2	
	200		●	2.0	60°	1.2	
	250			2.5	60°	1.4	
	300		●	3.0	60°	1.6	
	150F	●	●	0.8~1.5	60°	1.4	
	300F	●	●	1.5~3.0	60°	1.6	

● : Stock item