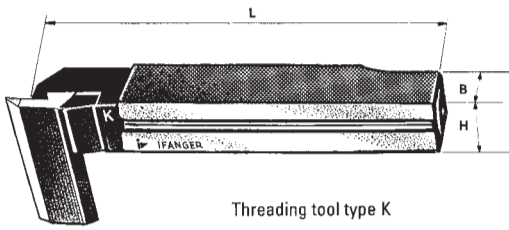
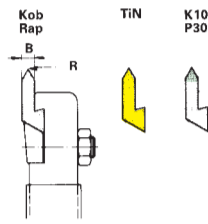


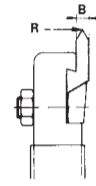
Threading Tools K and L of HSS-CO (Kob), HSS (Rap), TiN-coated and with Carbide Tips



Threading tool type K



Type K (righthand)



Type L (lefthand)

Please note:
Type L only indicates the position of the cutter in the holder, but **not** the direction of thread to be cut. Direction of thread is determined by the inclination of the **toolholder KH or LH** in the sleeve.

Thread at 60°

How to order (example): 10 pieces 2-K60-N-Kob. (Original box of 5 pieces)

Size	For height of centers above tool rest mm	Holder			Length mm	Cutter 60° normal width			Code number	Availability					B mm	max. pitch mm	R _{0.05}	Code number	Availability	
		Measur. H×B×L mm	Code number	Avail-ability		HSS+TiN B=max. pitch mm	K10+P30 B=max. pitch mm	R _{0.05}		Kob	Rap	TiN	K10	P30					Kob	TiN
Type K																				
0	13-10	16×12×100	0-KH	●	40	2.5	3	0.07	0/1-K60-N...	●	●	●	●	●	3.5	3.5	0.3	0/1-K60-E...	●	●
1	17-14	18×15×110	1-KH	●	40	2.5	3	0.07	0/1-K60-N...	●	●	●	●	●	3.5	3.5	0.3	0/1-K60-E...	●	●
2	22-18	20×18×140	2-KH	●	50	3	3.5	0.1	2-K60-N...	●	●	●	●	●	4.5	4.5	0.35	2-K60-E...	●	●
3	27-23	25×22×160	3-KH	●	60	3.5	4.5	0.12	3-K60-N...	●	●	●	●	●	5.5	5.5	0.45	3-K60-E...	●	●
4	33-28	32×25×180	4-KH	●	70	4.5	5.5	0.2	4-K60-N...	●	●	●	●	●	6.5	6.5	0.6	4-K60-E...	●	●
5	37-34	36×28×200	5-KH	●	80	5.5	6.5	0.2	5-K60-N...	●	●	○	●	●	8.5	8.5	0.75	5-K60-E...	●	○
Type L																				
0	13-10	16×12×100	0-LH	●	40	2.5	3	0.07	0/1-L60-N...	●	●	●	●	●	3.5	3.5	0.3	0/1-L60-E...	○	○
1	17-14	18×15×110	1-LH	●	40	2.5	3	0.07	0/1-L60-N...	●	●	●	●	●	3.5	3.5	0.3	0/1-L60-E...	○	○
2	22-18	20×18×140	2-LH	●	50	3	3.5	0.1	2-L60-N...	●	●	●	●	●	4.5	4.5	0.35	2-L60-E...	○	○
3	27-23	25×22×160	3-LH	●	60	3.5	4.5	0.12	3-L60-N...	●	●	●	●	●	5.5	5.5	0.45	3-L60-E...	○	○
4	33-28	32×25×180	4-LH	●	70	4.5	5.5	0.2	4-L60-N...	●	●	●	●	●	6.5	6.5	0.6	4-L60-E...	○	○
5	37-34	36×28×200	5-LH	●	80	5.5	6.5	0.2	5-L60-N...	●	●	○	●	●	8.5	8.5	0.75	5-L60-E...	○	○

▲ Please indicate here alloy or grade of carbide required ▲

ISO threads at 60°:

On request the 60° thread cutters are also available with radius for metric bolt threads ISO. In case of such requirement, please, indicate pitch of thread.

Thread at 55°

Size	For height of centers above tool rest mm	Holder			Length mm	Cutter 55° normal width			Code number	Availability					B mm	max. pitch TPI	R _{0.05}	Code number	Availability			
		Measur. H×B×L mm	Code number	Avail-ability		HSS+TiN B mm max. pitch TPI	K10+P30 B mm max. pitch TPI	R _{0.05}		Kob	Rap	TiN	K10	P30					Kob	TiN		
Type K																						
0	13-10	16×12×100	0-KH	●	40	2.5	11	3	9	0.07	0/1-K55-N...	●	●	●	●	●	3.5	8	0.3	0/1-K55-E...	●	●
1	17-14	18×15×110	1-KH	●	40	2.5	11	3	9	0.07	0/1-K55-N...	●	●	●	●	●	3.5	8	0.3	0/1-K55-E...	●	●
2	22-18	20×18×140	2-KH	●	50	3	9	3.5	8	0.1	2-K55-N...	●	●	●	●	●	4.5	6	0.35	2-K55-E...	●	●
3	27-23	25×22×160	3-KH	●	60	3.5	8	4.5	6	0.12	3-K55-N...	●	●	●	●	●	5.5	5	0.45	3-K55-E...	●	●
4	33-28	32×25×180	4-KH	●	70	4.5	6	5.5	5	0.2	4-K55-N...	●	●	●	●	●	6.5	4	0.6	4-K55-E...	●	●
5	37-34	36×28×200	5-KH	●	80	5.5	5	6.5	4	0.2	5-K55-N...	●	●	○	●	●	8.5	3	0.75	5-K55-E...	●	○
Type L																						
0	13-10	16×12×100	0-LH	●	40	2.5	11	3	9	0.07	0/1-L55-N...	●	●	●	●	●	3.5	8	0.3	0/1-L55-E...	○	○
1	17-14	18×15×110	1-LH	●	40	2.5	11	3	9	0.07	0/1-L55-N...	●	●	●	●	●	3.5	8	0.3	0/1-L55-E...	○	○
2	22-18	20×18×140	2-LH	●	50	3	9	3.5	8	0.1	2-L55-N...	●	●	●	●	●	4.5	6	0.35	2-L55-E...	○	○
3	27-23	25×22×160	3-LH	●	60	3.5	8	4.5	6	0.12	3-L55-N...	●	●	●	●	●	5.5	5	0.45	3-L55-E...	○	○
4	33-28	32×25×180	4-LH	●	70	4.5	6	5.5	5	0.2	4-L55-N...	●	●	●	●	●	6.5	4	0.6	4-L55-E...	○	○
5	37-34	36×28×200	5-LH	●	80	5.5	5	6.5	4	0.2	5-L55-N...	●	●	○	●	●	8.5	3	0.75	5-L55-E...	○	○

▲ Please indicate here alloy or grade of carbide required ▲

Special Thread Cutters

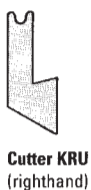


Full profile cutters for usual pitches on threads of 60° or 55° partly available ex stock.

Cutter KRU of HSS-CO (Kob), for cutting round threads acc. to DIN 405

KRU

How to order (example): 5 pieces 2-KRU-8G-Kob.



Cutter KRU (righthand)

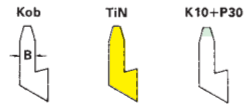
Pitch TPI	Size		2		3		4	
	Length of cutter		50 mm		60 mm		70 mm	
	Holder Measurements	Code number	Avail-ability	Code number	Avail-ability	Code number	Avail-ability	
10	Round thread cutter	2-KRU-10G-Kob	●	3-KRU-10G-Kob	●	4-KRU-8G-Kob	●	
8		2-KRU-8G-Kob	●	3-KRU-8G-Kob	●	4-KRU-8G-Kob	●	
6		2-KRU-6G-Kob	●	3-KRU-6G-Kob	●	4-KRU-8G-Kob	●	
4				3-KRU-4G-Kob	●	4-KRU-4G-Kob	●	

Availability: ● ex stock / ○ within short notice

K/L30

Trapezoidal Thread Cutters K30 and L30 of HSS-CO (Kob), TiN-coated and with Carbide Tips

(Table at top)



Cutter K30 (righthand)



Cutter L30 (lefthand)

K/L180

Square Thread Cutters K180 and L180 of HSS-CO (Kob), TiN-coated and with Carbide Tips

(Table at bottom)



Cutter K180 (righthand)



Cutter L180 (lefthand)

How to order (example): 5 pieces 3-K30-7-P30

Pitch mm	Size		0/1			2			3			4			5		
	Length of cutter	40 mm	40 mm			50 mm			60 mm			70 mm			80 mm		
			B	Code number	Availability	B	Code number	Availability	B	Code number	Availability	B	Code number	Availability	B	Code number	Availability
	Holder (Meas. p. 29)		0-KH 1-KH		2-KH		3-KH		4-KH		5-KH						
2	Cutter for trapezoidal threads 30°	2.5	0/1-K30-2...	●●●●●	3	2-K30-2...	●●●●●	3.5	3-K30-2...	●●●●●	4.5	4-K30-3...	●●●●●				
3		2.5	0/1-K30-3...	●●●●●	3	2-K30-3...	●●●●●	3.5	3-K30-3...	●●●●●	4.5	4-K30-4...	●●●●●				
4		3.5	0/1-K30-4...	●●●●●	3	2-K30-4...	●●●●●	3.5	3-K30-4...	●●●●●	4.5	4-K30-5...	●●●●●	5.5	5-K30-5...	●●●●●	
5		3.5	0/1-K30-5...	●●●●●	4.5	2-K30-5...	●●●●●	3.5	3-K30-5...	●●●●●	4.5	4-K30-6...	●●●●●	5.5	5-K30-6...	●●●●●	
6					4.5	2-K30-6...	●●●●●	5.5	3-K30-6...	●●●●●	4.5	4-K30-7...	●●●●●	5.5	5-K30-7...	●●●●●	
7							5.5	3-K30-7...	●●●●●	6.5	4-K30-8...	●●●●●	5.5	5-K30-8...	●●●●●		
8							5.5	3-K30-8...	●●●●●	6.5	4-K30-9...	●●●●●	8.5	5-K30-9...	●●●●●		
9										6.5			8.5	5-K30-10...	●●●●●		
10												8.5	5-K30-12...	●●●●●			
12																	
		Holder (Meas. p. 29)		0-LH 1-LH		2-LH		3-LH		4-LH		5-LH					
2		Cutter for trapezoidal threads 30°	2.5	0/1-L30-2...	○●○●○	3	2-L30-2...	○●○●○	3.5	3-L30-2...	○●○●○	4.5	4-L30-3...	○●○●○			
3	2.5		0/1-L30-3...	○●○●○	3	2-L30-3...	○●○●○	3.5	3-L30-3...	○●○●○	4.5	4-L30-4...	○●○●○				
4	3.5		0/1-L30-4...	○●○●○	3	2-L30-4...	○●○●○	3.5	3-L30-4...	○●○●○	4.5	4-L30-5...	○●○●○	5.5	5-L30-5...	○●○●○	
5	3.5		0/1-L30-5...	○●○●○	4.5	2-L30-5...	○●○●○	3.5	3-L30-5...	○●○●○	4.5	4-L30-6...	○●○●○	5.5	5-L30-6...	○●○●○	
6					4.5	2-L30-6...	○●○●○	5.5	3-L30-6...	○●○●○	4.5	4-L30-7...	○●○●○	5.5	5-L30-7...	○●○●○	
7							5.5	3-L30-7...	○●○●○	6.5	4-L30-8...	○●○●○	5.5	5-L30-8...	○●○●○		
8							5.5	3-L30-8...	○●○●○	6.5	4-L30-9...	○●○●○	8.5	5-L30-9...	○●○●○		
9										6.5			8.5	5-L30-10...	○●○●○		
10												8.5	5-L30-12...	○●○●○			
12																	

Please indicate here alloy required ▲

K/L180

On request we are also producing cutters for trapezoidal threads of larger pitches or ACME.

How to order (example): 5 pieces 2-K180-5-Kob.

Pitch mm	Size		0/1			2			3			4			5		
	Length of cutter	27 mm	27 mm			33 mm			40 mm			48 mm			55 mm		
			B	Code number	Availability	B	Code number	Availability	B	Code number	Availability	B	Code number	Availability	B	Code number	Availability
	Holder (Meas. p. 29)		0-KH 1-KH		2-KH		3-KH		4-KH		5-KH						
2	Cutters for square threads 180°	2.5	0/1-K180-2...	●●●●●	3	2-K180-2...	●●●●●	3.5	3-K180-3...	●●●●●	4.5	4-K180-4...	●●●●●	5.5	5-K180-5...	●●●●●	
3		2.5	0/1-K180-3...	●●●●●	3	2-K180-3...	●●●●●	3.5	3-K180-4...	●●●●●	4.5	4-K180-5...	●●●●●	5.5	5-K180-6...	●●●●●	
4		2.5	0/1-K180-4...	●●●●●	3	2-K180-4...	●●●●●	3.5	3-K180-5...	●●●●●	4.5	4-K180-6...	●●●●●	5.5	5-K180-7...	●●●●●	
5					3	2-K180-5...	●●●●●	3.5	3-K180-6...	●●●●●	4.5	4-K180-7...	●●●●●	5.5	5-K180-8...	●●●●●	
6								3.5			4.5	4-K180-8...	●●●●●	5.5	5-K180-9...	●●●●●	
7											4.5			5.5	5-K180-10...	●●●●●	
8											4.5			5.5			
9														5.5			
10														5.5			
		Holder (Meas. p. 29)		0-LH 1-LH		2-LH		3-LH		4-LH		5-LH					
2	Cutters for square threads 180°	2.5	0/1-L180-2...	○●○●○	3	2-L180-2...	○●○●○	3.5	3-L180-3...	○●○●○	4.5	4-L180-4...	○●○●○	5.5	5-L180-5...	○●○●○	
3		2.5	0/1-L180-3...	○●○●○	3	2-L180-3...	○●○●○	3.5	3-L180-4...	○●○●○	4.5	4-L180-5...	○●○●○	5.5	5-L180-6...	○●○●○	
4		2.5	0/1-L180-4...	○●○●○	3	2-L180-4...	○●○●○	3.5	3-L180-5...	○●○●○	4.5	4-L180-6...	○●○●○	5.5	5-L180-7...	○●○●○	
5					3	2-L180-5...	○●○●○	3.5	3-L180-6...	○●○●○	4.5	4-L180-7...	○●○●○	5.5	5-L180-8...	○●○●○	
6								3.5			4.5	4-L180-8...	○●○●○	5.5	5-L180-9...	○●○●○	
7											4.5			5.5	5-L180-10...	○●○●○	
8											4.5			5.5			
9														5.5			
10														5.5			

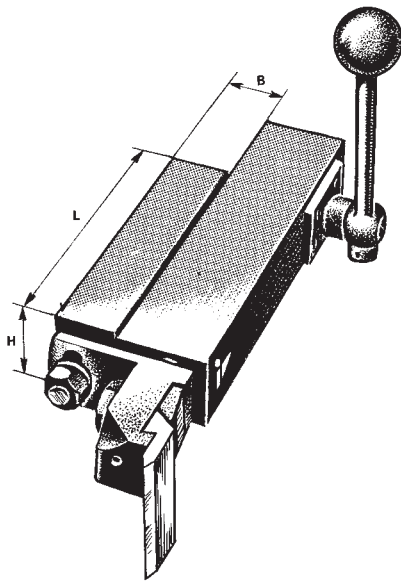
Please indicate here alloy required ▲

On request we are also producing cutters for square threads of larger pitches or TPI.

Availability: ● ex stock / ○ within short notice



Special Threading Tool Holder RS



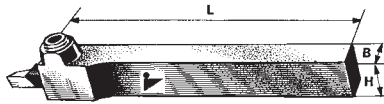
This holder permits to cut threads at a high number of revolutions. This is due to the fact that the cutter can be withdrawn instantly at any time. Moreover, feed is given during return of tool. All cutter K can be used on these holders.

How to order (example): 1 piece 2-RS

Size	For height of centers above tool rest mm	Measurements of clamping block h×b×l mm	Code number	Availability	Stroke mm
2	18	20×19× 80	2-RS	●	4
3	24	30×20× 89	3-RS	●	4
4	26	32×23×100	4-RS	●	6

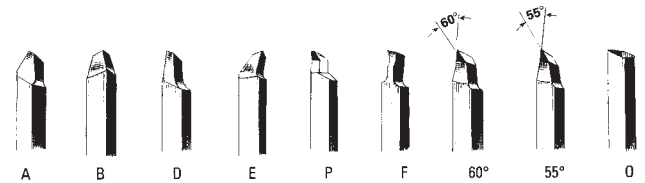
Small Tools S

for all turning on bench lathes with height of centers of 8 mm and more.



Small tool type S

How to order (example): 1 piece SH
10 pieces S60



Holder Measurements H×B×L mm	Code number	Sundry Rapid bits, 6×6×50 mm, code number								
		Roughing		Side cutting		Finishing	Parting off	Threading		without profile
		right	left	right	left					
13×10×95	SH	S-A	S-B	S-D	S-E	S-P	S-F	S60	S55	S-O
Availability	●	●	●	●	●	●	●	●	●	●

Wrenches CLE for IFANGER Tool Holders

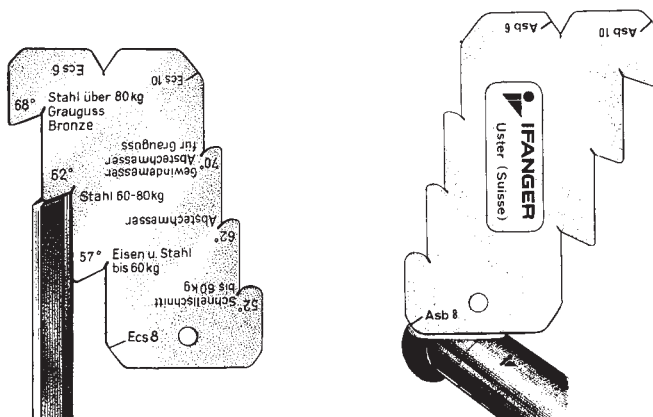


How to order (example): 5 pieces CLE-11

For holder of size no.	0.1/12+1	2	3	4-6
Spanner opening mm	11	13	16	20
Code number	CLE-11	CLE-13	CLE-16	CLE-20
Availability	●	●	●	●

Universal Grinding Gauge SL for Boring and Turning Tools (same as page 21)

- only one grinding gauge for all IFANGER boring and turning tools
- indispensable for correct and accurate grinding of IFANGER boring and turning tools



How to order (example): 1 piece SL-D

Grinding gauge	German	Marking French	English
Code number	SL-D	SL-F	SL-E
Availability	●	●	●

Availability: ● ex stock