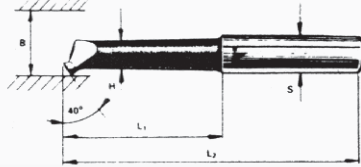


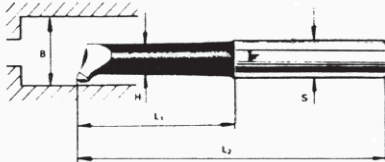
INTERNAL TOOLS



ASB Boring Tools ASB (for thru holes)



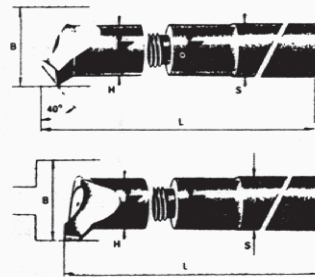
ECS Facing and Bottoming Tools



IFANGER

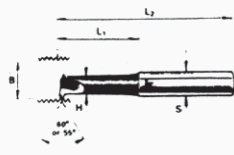
Size ASB ECS	Recomm. minimum bore B / mm	Ø of neck H mm	Ø S of shank mm	Length of neck L <sub>1</sub> mm	Total length L <sub>2</sub> mm
000 normal	4	2.5	8	23	49
000 long	4	2.5	8	28	58
00 normal	5	3	8	25	52
00 long	5	3	8	32	64
0 normal	6.5	4	8	29	56
0 long	6.5	4	8	35	69
0/1 normal	8.5	5	8	31	60
0/1 long	8.5	5	8	38	75
1 normal	10	6	8	33	65
1 long	10	6	8	41	82
2 normal	13	8	8	-	72
2 long	13	8	8	-	100

Size ASB ECS	Recomm. minimum bore B / mm	Ø of neck H mm	Ø S of shank mm	Thread of shank	Total length L mm
3	17	10	10	M6	100
				M6	125
				M6	200
4	21	12	13	M8	230
5	24	14	15	M10×20thr/1"	260
6	28	16.3	17	M12×20thr/1"	280
7	31	18.3	19	M14×20thr/1"	310
8	34	20	20	M15×20thr/1"	330
9	37	22	22	M15×20thr/1"	360
10	42	25	25	M18×20thr/1"	390
11	50	30	30	M21×14thr/1"	430
12	60	35	35	M25×14thr/1"	500

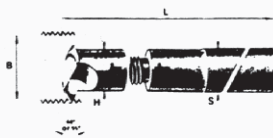


Internal Thread Cutting Tools

GWS 60° and 55°



GWS



Size GWS	Recomm. minimum bore B / mm	Ø of neck H mm	Ø S of shank mm	Length of neck L <sub>1</sub> mm	Total length L <sub>2</sub> mm
60	5	2.6	8	15	46
55	6.5	3.5	8	25	50
000	9	4.8	8	26	52
00	9	4.8	8	31	64
0 normal	11	6	8	28	56
0 long	11	6	8	34	70
1 normal	13	7.5	8	-	64
1 long	13	7.5	8	-	80

Size GWS	Recomm. minimum bore B / mm	Ø of neck H mm	Ø S of shank mm	Thread of shank	Total length L mm
3	17	10	10	M6	100
				M8	230
				M8	260
4	21	12	13	M10×20thr/1"	260
5	24	14	15	M12×20thr/1"	280
6	28	16.3	17	M14×20thr/1"	310
7	31	18.3	19	M15×20thr/1"	330
8	34	20	20	M15×20thr/1"	360
9	37	22	22	M18×20thr/1"	390
10	42	25	25	M18×20thr/1"	430
11	50	30	30	M21×14thr/1"	430

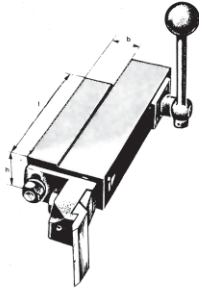
ALSO AVAILABLE WITH T.I.N. COATING

## EXTERNAL TOOLS



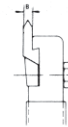
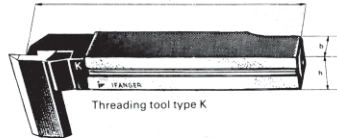
### Special Threading Tool Holders RS

This holder permits the cutting of threads at high speeds. This is due to the fact that the cutter can be withdrawn instantly at any time. All K type cutters can be used in their respective holders.



Size	For height of centres above tool rest	Measurements of clamping block n · b · l mm	Stroke mm
2	18	25 · 19 · 80	4
3	24	30 · 20 · 89	4
4	26	32 · 23 · 100	6

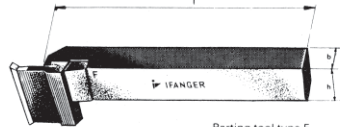
### Threading Tools K



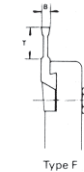
Type K

Size Type K	For height of centres above tool rest mm	Holder Type K measurements h · b · l mm	Cutter K 60 normal width for triangular thread			Cutter K 60 extra width for triangular thread	
			length mm	width B mm	max pitch mm	width B mm	max. pitch mm
0	13-10	16 · 12 · 100	40	2.5	2.5	3.5	3.5
1	17-14	18 · 15 · 110	40	2.5	2.5	3.5	3.5
2	22-18	20 · 18 · 140	50	3	3	4.5	4.5
3	27-23	27 · 22 · 160	60	3.5	3.5	5.5	5.5
4	33-28	32 · 25 · 180	70	4.5	4.5	6.5	6.5
5	37-34	36 · 28 · 200	80	5.5	5.5	8.5	8.5

### Parting Tools F



Parting tool type F

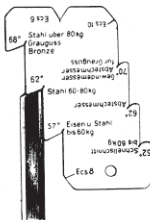


Type F

Size Type F	For height of centres above tool rest mm	Holder measurements h · b · l mm	Cutter normal depth				extra depth T mm
			length mm	B <sup>0-0.5</sup> mm	T mm	T mm	
1	16-12	16 · 12 · 110	25	3	11	16	
2	20-16	20 · 15 · 140	32	3.5	14	19	
3	25-20	25 · 18 · 160	41	4	17	24	
4	30-25	30 · 21 · 180	50	4.5	23.5	33.5	
5	36-30	36 · 25 · 200	60	5.5	30	40	

## Universal Grinding Gauge for Boring and Turning Tools

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



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

ALSO AVAILABLE WITH T.I.N. COATING

