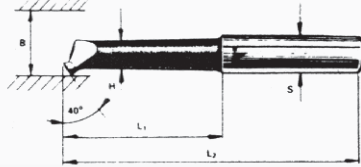


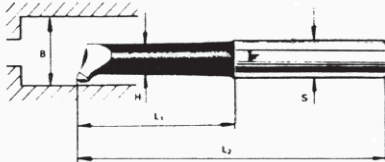
INTERNAL TOOLS



ASB Boring Tools ASB (for thru holes)



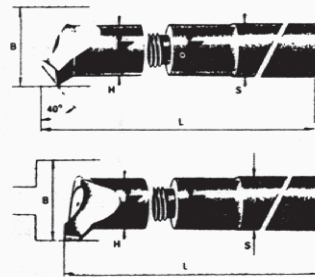
ECS Facing and Bottoming Tools



IFANGER

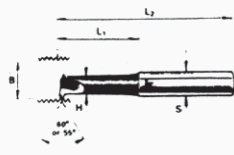
Size ASB ECS	Recomm. minimum bore B / mm	Ø of neck H mm	Ø S of shank mm	Length of neck L <sub>1</sub> mm	Total length L <sub>2</sub> mm
000 normal	4	2.5	8	23	49
000 long	4	2.5	8	28	58
00 normal	5	3	8	25	52
00 long	5	3	8	32	64
0 normal	6.5	4	8	29	56
0 long	6.5	4	8	35	69
0/1 normal	8.5	5	8	31	60
0/1 long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

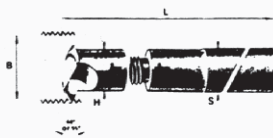


Internal Thread Cutting Tools

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
60	17	10	10	M6	100
55	21	12	13	M8	230
3	24	14	15	M10×20thr/1"	260
4	28	16.3	17	M12×20thr/1"	280
5	31	18.3	19	M14×20thr/1"	310
6	34	20	20	M15×20thr/1"	330
7	37	22	22	M15×20thr/1"	360
8	42	25	25	M18×20thr/1"	390
9	50	30	30	M21×14thr/1"	430
10					
11					

ALSO AVAILABLE WITH T.I.N. COATING