


	1A	1B	1C	1D
inch	3.94"	0.375"	3.0"	φ0.75"
mm	100	9	76	φ19

PROTECTIVE NOTE		MATERIAL: STAINLESS STEEL				
PROCESSED Bode	CHECKED Albrecht	FILENAME:			DATE 30Jun2005	SCALE %
		DRAWING NAME ROUND APERTURE METAL DETECTORS				
		DRAWING NUMBER TTSi 2002				SHEET 1

# Round Aperture - Dimensions

INCH DIMENSIONS IN SHADED AEREA


A	H	W	C	L	L total	D	K	E	Sensitivity Ferrous ball Diameter
685	1108	1100	1016	500	900	559	558	215,5	7
26,97	43,62	43,31	40	19,69	35,43	22	21,97	8,48	0,26
785	1208	1200	1118	500	900	559	608	215,5	7
30,91	47,56	47,24	44	19,69	35,43	22	23,94	8,48	0,28
885	1308	1300	1219	600	1100	660	658	215,5	8
34,84	51,50	51,18	48	23,62	43,31	26	25,91	8,48	0,31
985	1408	1400	1321	600	1200	660	708	215,5	9
38,78	55,43	55,12	52	23,62	47,24	26	27,87	8,48	0,35
1085	1508	1500	1422	700	1300	762	758	215,5	10
42,72	59,37	59,06	56	27,56	51,18	30	29,84	8,48	0,39
1185	1608	1600	1524	700	1400	762	808	215,5	11
46,65	63,31	62,99	60	27,56	55,12	30	31,81	8,48	0,43
1285	1708	1700	1626	700	1420	762	858	215,5	12
50,59	67,24	66,93	64	27,56	55,91	30	33,78	8,48	0,47
1385	1808	1800	1727	800	1500	864	908	215,5	13
54,53	71,18	70,87	68	31,50	59,06	34	35,75	8,48	0,49
1485	1908	1900	1829	800	1600	864	958	215,5	14
58,46	75,12	74,80	72	31,50	62,99	34	37,72	8,48	0,53
1585	2008	2000	1930	900	1700	965	1008	215,5	15
62,40	79,06	78,74	76	35,43	66,93	38	39,69	8,48	0,59
1685	2108	2100	2032	900	1800	965	1058	215,5	17
66,34	82,99	82,68	80	35,43	70,87	38	41,65	8,48	0,65
1785	2208	2200	2108	900	1800	965	1108	215,5	18
70,28	86,93	86,61	83	35,43	70,87	38	43,62	8,48	0,71
1885	2308	2300	2210	1000	1900	1067	1158	215,5	20
74,21	90,87	90,55	87	39,37	74,80	42	45,59	8,48	0,77
1985	2408	2400	2311	1000	1900	1067	1208	215,5	21
78,15	94,80	94,49	91	39,37	74,80	42	47,56	8,48	0,83
2085	2508	2500	2413	1000	2000	1067	1258	215,5	23
82,09	98,74	98,43	95	39,37	78,74	42	49,53	8,48	0,89
2185	2608	2600	2515	1000	2000	1067	1308	215,5	24
86,02	102,68	102,36	99	39,37	78,74	42	51,50	8,48	0,94

Sensitivity is achieved in the aperture center and under best process conditions.

To calculate sensitivity for other metals use following multiplication factor.

Stainless steel = APP. Fe-ball x 1,5

Cu, Alu, Brass. = APP. Fe-ball x 1,2

PROTECTIVE NOTE		MATERIAL: STAINLESS STEEL					
PROCESSED Bode	CHECKED Albrecht	FILENAME:			DATE 30 Jun 2005	SCALE %	
		DRAWING NAME ROUND APERTURE METAL DETECTORS					
		DRAWING NUMBER TTSi 2002-A				SHEET 2	