

What does it mean:

DIN 43 772

Form 4F

Solid machined thermowells with welded flange.

 Operating range and operating temperature according to needs and flange.
 Instrument side with female thread.

Form 2F and 3F

Fabricated thermowells with welded flange.

 Operating range and operating temperature according to needs and flange.
 Instrument side with male thread.

Form 4

Solid machined weld-in thermowell.

 Operating range up to PN 400. Operating temperature according to material.
 Instrument side with female thread.

Form 5

Fabricated screw-in thermowell welded or soldered.

 Operating range stainless steel welded PN 40, brass soldered PN 25.
 Instrument side with female thread. Process connection with male thread.

Form 6

Solid machined screw-in thermowell.

 Operating range up to PN 150. Operating temperature according to material.
 Instrument side with female thread. Process connection with male thread.

Form 8

Fabricated screw-in thermowell welded or soldered.

 Operating range stainless steel welded PN 40, brass soldered PN 25.
 Instrument side with male thread. Process connection with male thread.

Form 9

Solid machined screw-in thermowell.

 Operating range up to PN 150. Operating temperature according to material.
 Instrument side with male thread. Process connection with male thread.

For which instrument the thermowells are used.

Design:

Instrument connection with:

Form 4 / 5 and 6

male thread

Form 4F

fixed male thread / turnable male thread / adjustable clamp connection

Form 8 and 9

female thread

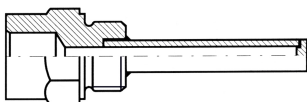
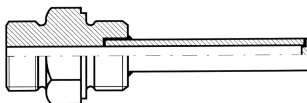
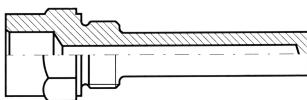
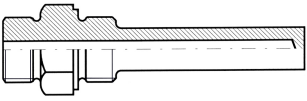
Form 2F and 3F

union nut

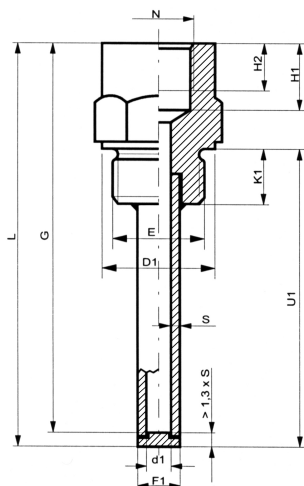
Material names and properties:

short	type of material	machining	Operating temp.
brass	Brass	solid / soldered	-40 up to +400°C
1.0037	ST 37	solid / welded	-40 up to +480°C
1.0460	C 22.8	solid	-40 up to +480°C
1.5415	15/16 Mo 3	solid	-40 up to +530°C
1.7335	13 CrMo 44	solid	-40 up to +570°C
1.4404	X2CrNiMo17-12-2	solid	-50 up to +550°C
1.4571	X6CrNiMoTi17-12-2	solid / welded	-50 up to +700°C
1.4903	X10CrMoVNbN9-1	solid	-50 up to +650°C

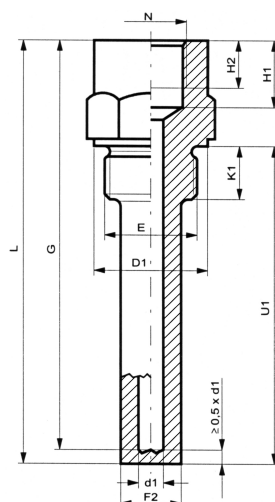
Others on request.

Form 5	G 1/2 female thread / G 1/2 A male thread Brass A/F 27 multipiece soldered PN 25 Stainless steel welded PN 40 Material: brass, AISI 303, AISI 316 Ti Immersion tube according to needs: Ø 9 / 10 / 12 or 13 mm - NPT 1/2 - G 3/4 - M 18 x 1,5 - M 20 x 1,5 - others 										
Form 8	G 1/2 male thread / G 1/2 A male thread Brass A/F 27 multipiece soldered PN 25 Stainless steel welded PN 40 Material: brass, AISI 303, AISI 316 Ti Immersion tube according to needs: Ø 9 / 10 / 12 or 13 mm - NPT 1/2 - G 3/4 - M 18 x 1,5 - M 20 x 1,5 - others 										
	L1	45	63	80	100	120	160	200	250	300	400
	L	55	73	90	110	130	170	210	260	310	410
	U1	27	45	62	82	102	142	182	232	282	382
	G	54	72	89	109	129	169	209	259	309	409
Material	Article number:										
Brass	43.0000	43.0001	43.0002	43.0003	43.0004	43.0005	43.0006	43.0007	43.0008	43.0009	43.0010
AISI 303	43.0010	43.0011	43.0012	43.0013	43.0014	43.0015	43.0016	43.0017	43.0018	43.0019	43.0020
AISI 316 Ti	43.0020	43.0021	43.0022	43.0023	43.0024	43.0025	43.0026	43.0027	43.0028	43.0029	43.0030
Brass	43.0030	43.0031	43.0032	43.0033	43.0034	43.0035	43.0036	43.0037	43.0038	43.0039	43.0040
AISI 303	43.0040	43.0041	43.0042	43.0043	43.0044	43.0045	43.0046	43.0047	43.0048	43.0049	43.0050
AISI 316 Ti	43.0050	43.0051	43.0052	43.0053	43.0054	43.0055	43.0056	43.0057	43.0058	43.0059	43.0060
Form 6	G 1/2 female thread / G 1/2 A male thread A/F 27 solid machined PN 150 Material: brass, 1.0715, AISI 303, AISI 316 Ti and others Bore size according to needs: Ø 7 / 9 / 11 or 13 mm - NPT 1/2 - G 3/4 - M 18 x 1,5 - M 20 x 1,5 - others 										
Form 9	G 1/2 male thread / G 1/2 A male thread A/F 27 solid machined PN 150 Material: brass, 1.0715, AISI 303, AISI 316 Ti and others Bore size according to needs: Ø 7 / 9 / 11 or 13 mm - NPT 1/2 - G 3/4 - M 18 x 1,5 - M 20 x 1,5 - others 										
	L1	45	63	80	100	120	160	200	250	300	400
	L	55	73	90	110	130	170	210	260	310	410
	U1	27	45	62	82	102	142	182	232	282	382
	G	50	68	85	105	125	165	205	255	305	405
Material	Article number:										
Brass	43.0060	43.0061	43.0062	43.0063	43.0064	43.0065	43.0066	43.0067	43.0068	43.0069	43.0070
1.0715	43.0070	43.0071	43.0072	43.0073	43.0074	43.0075	43.0076	43.0077	43.0078	43.0079	43.0080
AISI 303	43.0100	43.0101	43.0102	43.0103	43.0104	43.0105	43.0106	43.0107	43.0108	43.0109	43.0110
AISI 316 Ti	43.0110	43.0111	43.0112	43.0113	43.0114	43.0115	43.0116	43.0117	43.0118	43.0119	43.0120
Brass	43.0140	43.0141	43.0142	43.0143	43.0144	43.0145	43.0146	43.0147	43.0148	43.0149	43.0150
1.0715	43.0150	43.0151	43.0152	43.0153	43.0154	43.0155	43.0156	43.0157	43.0158	43.0159	43.0160
AISI 303	43.0180	43.0181	43.0182	43.0183	43.0184	43.0185	43.0186	43.0187	43.0188	43.0189	43.0190
AISI 316 Ti	43.0190	43.0191	43.0192	43.0193	43.0194	43.0195	43.0196	43.0197	43.0198	43.0199	43.0200
Thick walled tube:	- Further materials on request - OPTIONS Made of AISI 316 Ti for form 5 and 8: Tube Ø 12 x 2,5 mm wall for instrument probe Ø 6 Tube Ø 14 x 2,5 mm wall for instrument probe Ø 8 Tube Ø 14 x 1,5 mm wall for instrument probe Ø 10										
Certificates:	DIN EN 10 204 2.1 and 2.2: Form 5 / 6 / 8 and 9 available. DIN EN 10 204 3.1 and 3.2: Form 6 and 9 available. For other materials on request!										
PTFE coating for high aggressive media on AISI 316 Ti available.											

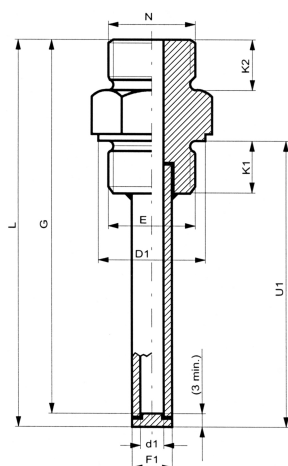
Form 5



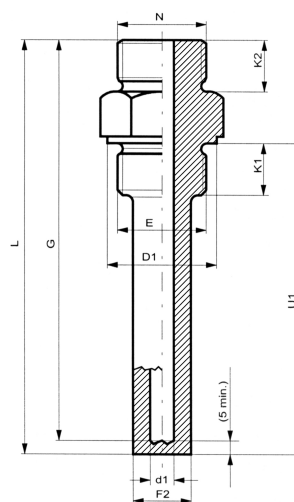
Form 6



Form 8



Form 9



Material	Dimensions in [mm]										
	E	N	Ø d1	Ø D1	Ø F1	Ø F2	H1	H2	K1	K2	A/F
Stainless steel	G½A	G½	7	26	12	17	19	15	14	12	27
			9		14						
			11		8						
			7		10						
			8,2		12						
			10,2		14						
	G¾A	G¾	7	32	12	17	22	17	16	14	32
			9		14						
			11		8						
			7		10						
			8,2		12						
			10,2		14						
			7		12						
			9		14						
			11		8						
			7		10						
			8,2		12						
			10,2		14						
Brass	G½A	G½	8	26	10	17	19	15	14	12	27
	G¾A	G¾	9	32	10	17	22	17	16	14	32
		G¾	9	32	10	17	22	17	16	14	32

Dimensions and technical data are conform to current company standard.
 Changes to improve our instruments will be made without preannouncement.