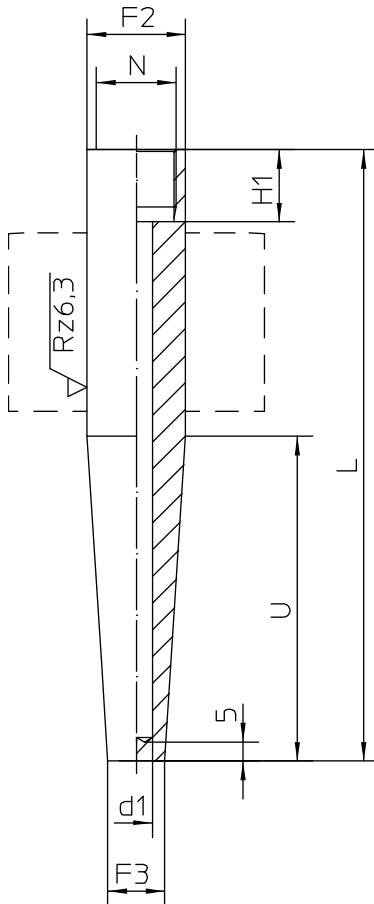


# Thermowell weld-in type per DIN 43772

form 4, solid drilled, female thread

Type series HB8010



### Materials

	material-no.	T max.	P max.*
stainless steel	1.4571	550°C	150 bar
stainless steel	1.4404	550°C	150 bar
tempering steel	C 22.8	450°C	150 bar
heat-resistant steel 13CrMo44	1.7335	500°C	150 bar

\* static conditions of use

Other materials upon request.

The thermowells are available with material certificate per EN 10204-3.1 and are suitable for connection to Zone 0 according to the technical instruction TA\_033.

Upon request a calculation for thermowells can be made (for static or dynamic application) with certificate.

### Length L1 of the temperature detecting element (dial indicating thermometers)

screwed plug, rotating, internal gasket	$L1 = L - A$
screwed plug, fixed, external gasket	$L1 = L - B$

### DIN-lengths of the thermowells

(pls specify deviating lengths)

L mm	U mm
110	65
110	73
140	65
170	133
200	65
200	125
260	125
410	275

- Roughness height rating with inspection certificate acc. to EN 10204-3.1

The surface roughness of the wetted parts made of stainless steel are executed according to EHEDG Doc.8 and ASME BPE SF3.

In case of choosing the additional feature HY, we guarantee the following surface roughness values:

Wetted parts	SF3	SF1
Laser welds	$Ra \leq 0.76 \mu m$	$Ra \leq 0.76 \mu m$
Turned parts	$Ra \leq 0.76 \mu m$	$Ra \leq 0.51 \mu m$

Option:

Electropolishing of the wetted parts

## Order details

### Weld-in thermowell per DIN 43772, form 4, solid drilled, female thread, Type series HB8010

HB8010		Weld-in thermowell per DIN 43772 for thermometers with female thread						
		bore hole Ø d1	male Ø F2	Instrument screw threads N	Ø F3	H1	A	B
A10	thermowell form 4	7	24 h 7	M 18 x 1,5	12,5	16	30	10
A20		7	26 h 7	G 1/2	12,5	19	30	10
A21 *		9			15			
A30		11	32 h 11	G 3/4	17	22	30	10
A31		13			19			
A32		14			20			
A99		pls specify						
G10	material	stainless steel 1.4571 (standard)						
G11		stainless steel 1.4404						
G20		tempering steel C 22.8						
G30		heat-resistant steel 13CrMo44						
G99		pls specify						

#### additional features (to be indicated in case of need, only):

W1220	combined pressure and strength test (pls specify test pressure)
W1020	material certificate per EN 10204 -3.1
W2502	suitable for connection to Zone 0 acc. to TA_033

Order code (example): HB8010 – A10 – G10 – L= - U= - ...  
(length L and U pls specify in mm; max. 770 mm)

#### \* delivered ex stock (with material certificate, too)

	thermowell	bore hole Ø d1	male Ø F2	Instrument screw threads N	Ø F3
HB8010 - A21 - G10 - L=110 - U=65	form 4	9	26 h 7	G 1/2	15
HB8010 - A21 - G10 - L=170 - U=133	form 4	9	26 h 7	G 1/2	15