

# Thermowell

TW55 type D1, D2, D4 or D5  
weld-in type acc.to DIN 43772

E 11.03.01

Ed.23.01

<b>Application</b>	Weld-in thermowell, solid machined acc.to DIN 43772 Form 4 for high process loads
<b>Type</b>	<b>TW55 typ D1, D2, D 4 or D 5</b>
<b>Measure instrument</b>	Suitable for dial-thermometer, glass- thermometer and resistance thermometer
<b>Material</b>	See table below
<b>Design</b>	Solid machined
<b>Upper connection</b>	M18x1,5 female connection
<b>Probe diameter</b>	Bore size dim $\varnothing$ 7 mm for instrument with probe max dim $\varnothing$ 6 mm
<b>Certificate</b>	Inspection certificate 3.1 EN 10204 Material certificate: Wetted parts material with mill certificate incl. chemical analysis
<b>Marking</b>	Charge number and material designation



**Code number**  
Thermowell TW55 DIN 43772 form 4  
Material certificate 3.1 EN 10204  
Wetted parts material with mill certificate  
incl. chemical analysis  
Charge number and material designation



Material - standard	D 1	D 2	D 4	D 5
Carbon steel P250GH (1.0460) (C22.8)	75101901	75101902	75101904	75101905
Stainless steel 1.4571	75102001	75102002	75102004	75102005
Carbon steel 1.7335 (13CrMo4-5)	75102101	75102102	75102104	75102105

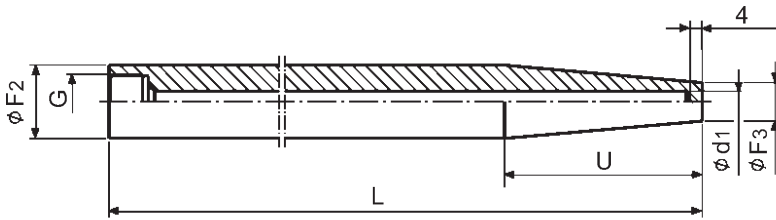
Material - special	D 1	D 2	D 4	D 5
Carbon steel 1.5415 (15Mo3/16Mo3)	75102601	75102602	75102604	75102605
Carbon steel 1.7380 (10CrMo910)	75102301	75102302	75102304	75102305
Chromium/Molybdenum alloy steel F91	75102501	75102502	75102504	75102505
Stainless steel Duplex F51 (1.4462)	75102201	75102202	75102204	75102205
Stainless steel 1.4539	75102701	75102702	75102704	75102705
Stainless steel 304/304L (1.4307)	75102901	75102902	75102904	75102905

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## Weld-in thermowell TW55 type D



Type	L	U	F2	F3	G	d1
D 1	140	65	24	12,5	M18x1,5	7
D 2	200	125	24	12,5	M18x1,5	7
D 4	200	65	24	12,5	M18x1,5	7
D 5	260	125	24	12,5	M18x1,5	7

## Connection piece D-45

Connection piece for weld-in thermowell  
Material certificate 3.1 EN 10204  
Wetted parts material with mill certificate  
incl. chemical analysis  
Charge number and material designation



Material - standard	Code
Carbon steel P250GH (1.0460) (C22.8)	75401000
Stainless steel 1.4571	75401010
Carbon steel 1.7335 (13CrMo4-5)	75401020

Material - special	Code
Stainless steel 1.4404	75401023
Chromium/Molybdenum alloy steel F91	75401026
Stainless steel Duplex F51 (1.4462)	75401022
Stainless steel Duplex 1.4539	75401024
Carbon Steel A105	75401025
Carbon steel 1.7380 (10CrMo910)	75401031
Carbon steel 1.5415 (15Mo3/16Mo3)	75401028
Stainless steel 304/304L (1.4307)	75401034
Stainless steel 1.4541	75401029
Stainless steel 1.4301	75401032
Hastelloy C-276	75401033

## Example for temperature instruments



Thermometer 5502/4  
standard  
Datasheet E10.02.03



Thermometer 5550/4  
every angle type  
Datasheet E10.03.02



Resistance TR10-B  
process type  
Datasheet TE 60.02



Glass thermometer  
standard  
Datasheet E10.23.01

