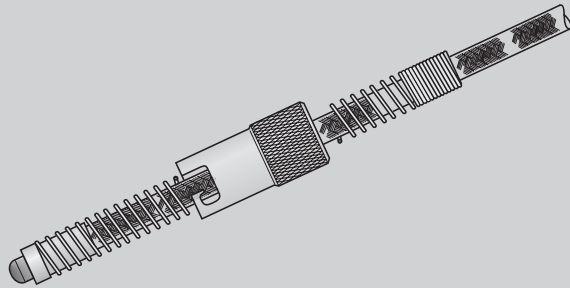




Special-Thermocouples

Thermocouple type L (DIN)



For plastic processing machinery

Features various mountings

Different cable lengths

Mounting accessories

TECHNICAL DATA

SPECIAL THERMOCOUPLE A

THERMO-ELEMENTS

Fe-CuNi type L to DIN. Hot junction insulated against heat losses to the outside.

Response time

In steel

Well hole 8,2 mm Ø, depth 20 mm, t_{90} : 40 s

Insertion depth

Adjustable

Fixing

Spring-loaded bayonet type

Materials

Bayonet: chrome plated brass

Spring: stainless steel SS 301

Threaded fitting: galvanized steel

Connecting lead

Glass-silk insulated compensating cable, stranded $0,5 \text{ mm}^2$ wire, twisted and sheathed with glass-silk. Armoured with galvanized steel mesh.

Mounting

Well hole: 8,2 mm Ø, 120 ° blind end
Depth: recommended > 15 mm
see fig. 1, 4 ff

PENCIL-TYPE THERMOCOUPLE D

THERMO-ELEMENTS

Fe-CuNi type L to DIN.

Insertion depth

32 mm

Connecting lead

Glass-silk insulated compensating cable, stranded $0,5 \text{ mm}^2$ wire, twisted and sheathed with glass-silk. Armoured with galvanized steel mesh.

Mounting

Well hole: 4,2 mm Ø, 120 ° blind end
see fig. 2

MINIATURE-TYPE THERMOCOUPLE

THERMO-ELEMENTS

Fe-CuNi type L to DIN.

Thread

M 8 x 1 mm

Connecting lead

Glass-silk insulated compensating cable, stranded $0,5 \text{ mm}^2$ wire, twisted and sheathed with glass-silk. Armoured with galvanized steel mesh.

Mounting

Well hole: 6,2 mm Ø, tapered M 8 x 1
120 ° blind end
see fig. 3

fig. 1 Special-type thermocouple A

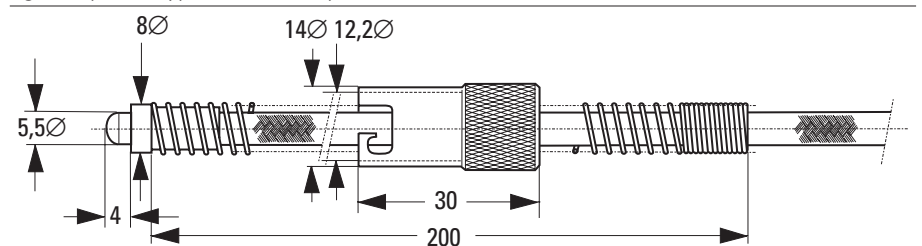


fig. 2 Pencil-type thermocouple D

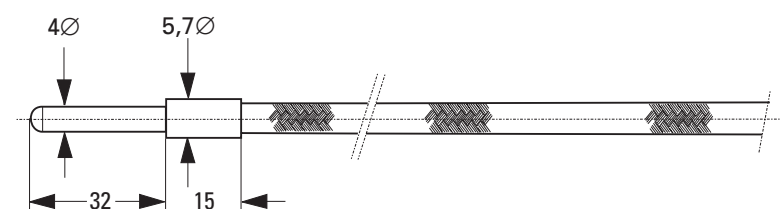


fig. 3 Miniature-type thermocouple

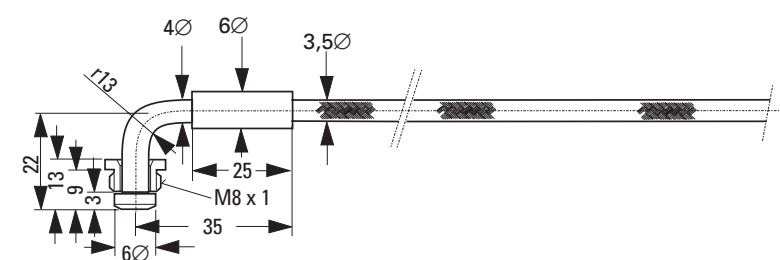


fig. 4 threaded fitting 85mm

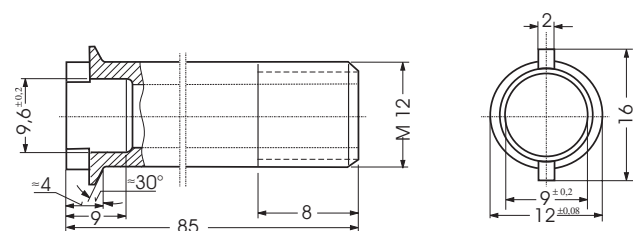


fig. 5 threaded fitting 30 mm

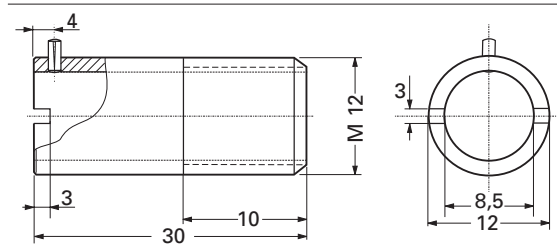


fig. 6 threaded fitting 25 mm

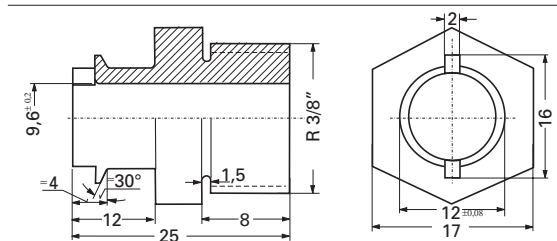
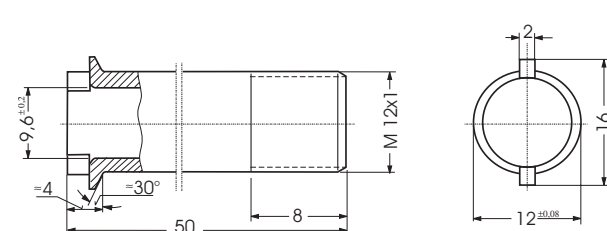


fig. 7 threaded fitting 50 mm



Element	Length connecting-cable	Max. temp. Hot junction	Max. temp. cable	Weight	Fig.-no.:	Order-number
Special-A	1,5 m	400 °C	180 °C for Short terms up to 250 °C	0,1 kg	1	9404-115-06461
	3,0 m			0,15 kg	1	9404-115-06301
	4,5 m			0,2 kg	1	9404-115-06451
Pencil- D	1,5 m			0,05 kg	2	9404-118-01461
	3,0 m			0,1kg	2	9404-118-01301
Miniature-	1,5 m			0,05 kg	2	9404-117-41461
	3,0 m			0,1 kg	3	9404-117-41301

ACCESSORY threaded fitting for special-type thermocouple A

Thread	length [mm]	Fig.-no.:	Order-number
M12	30	5	4012-142-30121
M12	85	4	4012-142-50751
R 3/8	25	6	4012-142-30851
M12 x 1	50	7	4012-142-41181



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