



EKatech SP **Stalk tube with metal flange**

Stalk tubes with metal flange are recommended for use in aluminum foundry. The technically advanced and robust construction ensures gas tightness, chemical and mechanical resistance and introduces a number of additional advantages.

Special features

- Gas tightness
- Corrosion resistance
- Keeps alloy clean (does not introduce impurities to the medium)
- High temperature resistance
- High resistance to thermal shock
- Does not require heating during operation at temperature up to +900°C
- High electrical insulation
- High resistance to abrasion and erosion
- The metal flange allows the insertion of mounting brackets
- The metal flange increases mechanical strength and impact resistance.

Typical areas of application



Non-ferrous metal foundry



Industrial furnaces



Chemical industry

Pipes are supplied with a mounting flange.

Standard flanges are made of stainless steel, they have depending on the version, the threaded holes for inserting the handles for removal from the installation site. The permanent, inseparable connection of the flange with the cover ensures high tightness and significantly reduces the time of assembly and disassembly.

Standard pipes are made with an outer diameter of 90mm, while the pipe length and flange size are adapted to individual installation requirements.

On request, it is possible to supply pipes with a different diameter.

Visit us online at: www.guenther.com.pl



GÜNTHER GmbH
Bauhofstrasse 12
90571 Schwaig
Tel.: +49 911 506995 0
www.guenther.eu
Germany

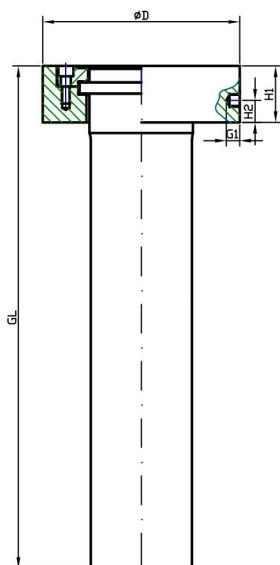
Guenther Polska
Ul. Wroclawska 27C
55-095 Długoleka
Tel.: +48 71 352 70 70
www.guenther.com.pl
Polska

Langkamp Technology B.V.
Molenvliet 8
3961 MV Wijk bij Duurstede
Tel. +31 343 59 54 17
www.ltbv.nl
Nederland

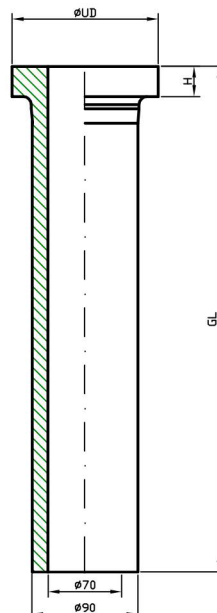
Guenther Tehnica Măsurării S.R.L.
Calea Aurel Vlaicu 28-32
310159 Arad
Tel.: +40 0 257 33 90 15
www.guenther.eu
Romania



Stalk tube with metal flange



Stalk tube with ceramic flange



Properties	Unit	Value
General and mechanical properties		
Density ρ DIN 623-2	%	3,18 - 3,40
Residual Porosity	%	< 1
Grain Size (Length)	μm	1 - 15
Compressive Strength	MPa	3000
Bending Strength σ RT DIN EN 843-1	MPa	700
Weibull-Modulus m		25
Youngs Modulus E	GPa	290
Hardness HV DIN EN 843-4	GPa	15,0
Thermal properties		
Maximum Working Temperatures - Inert Atmosphere - Oxidising Atmosphere	$^{\circ}\text{C}$ $^{\circ}\text{C}$	1400 1200
Thermal Conductivity λ (+20 $^{\circ}\text{C}$)	W/mK	25

Process protection tubes for thermocouples are also made of Ekatech SP material. The dimensions of the tubes are customized to the measuring and installation conditions at the measuring points.