

CERAMIC SYALON THERMOWELL



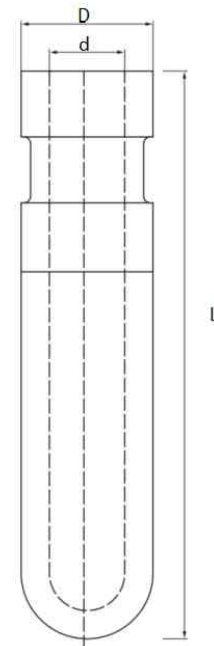
SOCS

- made of special ceramic - syalon
- very long time working in liquid aluminum
- thermal shock resistance
- very high wear resistance
- low coefficient of thermal expansion (no need for preheating)

Syalon SOCS is a silicon nitride alloy with unique properties such as high strength, low weight, excellent thermal shock resistance. It is also corrosion and erosion-resistant. Moreover, syalon thermowell is vacuum-tight and is high electrical resistant. It exhibits high mechanical strength at extremely high temperatures (above 1000°C in the air). These properties combined with very high wear resistance make syalon thermowell an excellent application choice for molten aluminum, zinc, tin, and lead.

TECHNICAL DATA

Max. operating temperature	1400°C
Density	> 3.2 g/cm ³
HRA hardness	> 92
Porosity	0%
Thermal conductivity	22 W/MxK
Flexural strength	930 MPa



ORDERING

SOCS-X-X
 outer diameter D: _____ length L: _____
 specify in mm
 16 mm
 22 mm
 28 mm
 30 mm
 45 mm

DIMENSIONS

Outer diameter D [mm]	Inner diameter d [mm]	Max. length L [mm]
Ø16	Ø8	900
Ø22	Ø12	1000
Ø28	Ø16	1400
Ø30	Ø18	1400
Ø45	Ø25	1400

