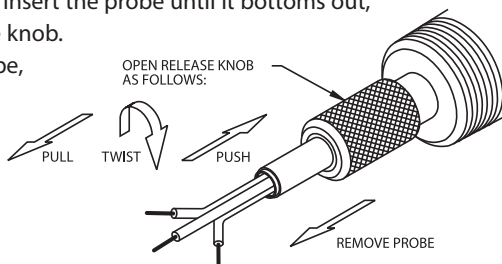


Spring-loaded Holders

Exclusive Minco user-friendly design!

Minco's spring-loaded holders provide a quick and simple installation and removal of probe sensors — pull out and twist the knob, insert the probe until it bottoms out, and release the knob.

To remove probe, pull out and twist the knob.



Spring pressure holds the probe tip in contact with the measuring surface for faster response and more reliable measurements. Many models feature a rubber O-ring that doesn't crimp the probe but prevents oil leakage to 50 psi (3.4 bar) at up to 260°C. High temperature models are usable to 450°C. Nylon versions provide electrical insulation.



ALL PARTS STOCKED

Fluoroelastomer O-ring seal: 50 psi pressure rated fluid seal								
	Body material	Temperature range	Thread "CH"	Process thread	Hex size	Adder "A" (Total length)	Probe Ø inch (mm)	Model
	300 series stainless steel	-40 to 260°C (-40 to 500°F)	3/4 - 14 NPT	1/2 - 14 NPT	1 1/8" (29 mm)	3.6" (91 mm)	0.188 (4.8)	FG114-1
							0.215 (5.5)	FG110-1
							0.250 (6.4)	FG113-1
	316 stainless steel	-40 to 260°C (-40 to 500°F)	3/4 - 14 NPT	1/2 - 14 NPT	1 1/8" (29 mm)	3.6" (91 mm)	0.188 (4.8)	FG914
							0.215 (5.5)	FG912
							0.250 (6.4)	FG911
	Nylon	-40 to 120°C (-40 to 248°F)	3/4 - 14 NPT	1/2 - 14 NPT	1" (25 mm) wrench flats	3.6" (91 mm)	0.188 (4.8)	FG314
							0.215 (5.5)	FG310
							0.250 (6.4)	FG313
	300 series stainless steel	-40 to 260°C (-40 to 500°F)	1/2 - 14 NPT	1/2 - 14 NPT	7/8" (22 mm)	2.6" (66 mm)	0.125 (3.2)	FG216N
							0.188 (4.8)	FG214N
							0.215 (5.5)	FG210N
							0.250 (6.4)	FG213N
							0.236 (6.0)	FG215N
	300 series stainless steel	-40 to 260°C (-40 to 500°F)	None	1/8 - 27 NPT	5/8" (16 mm)	2.8" (71 mm)	0.125 (3.2)	FG116
						3.6" (91 mm)	0.188 (4.8)	FG112
							0.215 (5.5)	FG111
							0.250 (6.4)	FG117
	300 series stainless steel	-40 to 260°C (-40 to 500°F)	None	1/4 - 18 NPT	5/8" (16 mm)	1.9" (48 mm)	0.188 (4.8)	FG101072
							0.215 (5.5)	FG101078
							0.250 (6.4)	FG101080

High temperature: No pressure rating or fluid seal								
	Body material	Temperature range	Thread "CH"	Process thread	Hex size	Adder "A" (Total length)	Probe Ø inch (mm)	Model
 (Set screw installation)	300 series stainless steel	-40 to 450°C (-40 to 842°F)	1/2 - 14 NPT	1/2 - 14 NPT	7/8" (22 mm)	2.3" (58 mm)	0.188 (4.8)	FG801
							0.215 (5.5)	FG802
							0.250 (6.4)	FG810

Specifications subject to change

Metric Accessories

Overview

Metric fittings and thermowells help you design your equipment to meet global standards. Use these fittings to install Minco sensors in process lines, rotating machinery, and all types of industrial equipment.

Special threads and accessories are available.
See Eurostyle Sensors Assemblies on page 2-22.

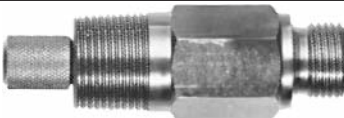
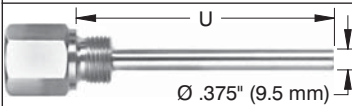
Fluid seal spring-loaded holders: Spring-loaded holders provide fast installation and simple adjustment or removal of probes. Minco's unique designs work with straight probes and provide sealing for the typical oil pressures found in rotating machines.

Fluid seal fittings: Fluid seal fittings are a low cost solution where a connection head is not required.

Bayonet adapters: Bayonet adapters work with Minco's spring-loaded bayonet fitted probes.

Adapter bushings: Adapter bushings allow fitting ½ - 14 NPT fittings into metric threaded process connections.

Thermowells: Thermowells provide high-pressure protection and allow probe replacement without opening the system.

	Body material	Temp. limit	Pressure rating	Thread "CH"	Process thread	Hex size	Probe diameter	Model
 Fluid seal spring-loaded holder Probe length adder A: 3.6" (91 mm)	303 series stainless steel per DIN 1.4300, AISI 303	260°C (500°F)	3.4 bar (50 psi)	¾ - 14 NPT	G ½ ISO 229/1 parallel	1 ⅛" (27 mm)	0.188" (4.8 mm)	MFG812P477
							0.215" (5.5 mm)	MFG812P546
							0.250" (6.4 mm)	MFG812P635
 Fluid seal fitting Probe length adder A: 1.1" min. (28 mm)	Brass	260°C (500°F)	Silicone rubber O-ring: 17.2 bar (250 psi) Brass compression ring: 34.5 bar (500 psi)	None	R ¼ ISO 7/1 tapered	⅝" (14 mm)	0.250" (6.4 mm)	MFG816
 Bayonet adapter Probe length adder A: 1.2" (31 mm)	303 series stainless steel per DIN 1.4300, AISI 303	871°C (1600°F)	No fluid seal	None	R ⅝ ISO 7/1 tapered	None	0.188" (4.8 mm)	MFG817
 Adapter bushing Probe length adder A: 1.2" (31 mm)	303 series stainless steel per DIN 1.4300, AISI 303	871°C (1600°F)	No fluid seal	½ - 14 NPT (Female)	G ½ ISO 229/1 parallel	1 ⅛" (27 mm)	All	MFG811
 Thermowell Probe length = U + 30 mm + fitting adder A (U = 13 mm min./1200 mm max.)	303 series stainless steel per DIN 1.4300, AISI 303	871°C (1600°F)	190 bar (2755 psi) at 25°C, reducing to 34 bar (493 psi) at 600°C	½ - 14 NPT (Female)	G ½ ISO 229/1 parallel	1 ⅛" (27 mm)	0.250" (6.4 mm)	MTW1208

Thermowell specification and order options

MTW1208	Model number
U	
100	Thermowell length U: Specify in millimeters Minimum: 13 mm Maximum: 1200 mm
MTW1208U100 = Sample part number	

Specifications subject to change