

INSTRUMENT FERRULES



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Instrument ferrules offer a simple alternative to instrument tees, allowing diaphragm seal instruments to be used in small bore piping systems. The face of the clamp fitting is tapered to meet the tube bore which allows the instrument diaphragm to move freely. Ferrules are manufactured from low sulphur 316L stainless steel complying with ASME BPE criteria. Wetted surfaces are finished to 0.5 microns Ra.

Connections	Clamp end to suit 3/4" - 2" ASME BPE fittings Weld end to suit 1/2" - 1-1/2" ASME BPE tube
Material	316L stainless steel (ASME BPE compliant)
Surface Finish	Wetted surfaces - 0.5 microns Ra (SF1) External surfaces - 0.8 microns Ra
Options	ISO and DIN sizes Low ferrite stainless steel (WN1.4435), C22 and other alloys Electropolished finish (SF4)
Certification	Certificate of conformity Material certification Certified 'Animal derived ingredient' free

Instrument Ferrules

	Clamp size (ASME BPE)	Tube size (ASME BPE)	ØA (mm)	ØB (mm)	ØC (mm)	D (mm)
	1/2"	1/4"	25	6.4	9.4	30
	3/4"	1/4"	25	6.4	15.8	30
	3/4"	1/2"	25	12.7	15.8	44.5
	1"	1/4"	50.5	6.4	22.1	30
	1"	1/2"	50.5	12.7	22.1	35
	1"	3/4"	50.5	19.05	22.1	35
	1-1/2"	1/4"	50.5	6.4	34.8	30
	1-1/2"	1/2"	50.5	12.7	34.8	35
	1-1/2"	3/4"	50.5	19.05	34.8	35
	1-1/2"	1"	50.5	25.4	34.8	35
	2"	1/2"	64	12.7	47.5	35
	2"	3/4"	64	19.05	47.5	35
	2"	1"	64	25.4	47.5	35
	2"	1-1/2"	64	38.1	47.5	35

Instrument Ferrules - ordering code					
Tube size (ASME BPE)	Clamp size (ASME BPE)				
	1/2"	3/4"	1"	1-1/2"	2"
1/4"	IFER-025W-050C	IFER-025W-075C	IFER-025W-100C	IFER-025W-150C	-
1/2"	-	IFER-050W-075C	IFER-050W-100C	IFER-050W-150C	IFER-050W-200C
3/4"	-	-	IFER-075W-100C	IFER-075W-150C	IFER-075W-200C
1"	-	-	-	IFER-100W-150C	IFER-100W-200C
1-1/2"	-	-	-	-	IFER-150W-200C

Specification text

Staitech instrument ferrule manufactured from low sulphur grade 316L. 1/2" ASME BPE weld end and 1" ASME BPE clamp connection. Wetted surfaces finished to 0.5 microns Ra. External surfaces finished to 0.8 microns Ra. (IFER-050W-100C). For electropolished finish add suffix '-EP' (IFER-050W-100C-EP).