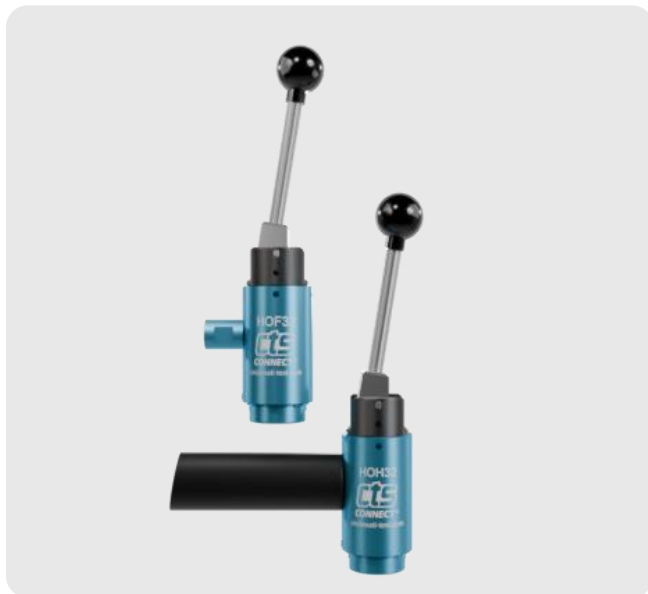


HO Connect

MANUAL EXTERNAL SEALING CONNECTOR



Connects to:



Highlights

- ✓ Test, fill, flush, and plug capabilities
- ✓ Adjustable seal compression
- ✓ Less tubing required
- ✓ Non-interference seal fit
- ✓ Long seal life
- ✓ Cut and abrasion resistant seal
- ✓ Easy seal replacement

HO Connect specifications

Body style	HOF – fill port HOH – fill port with handle
Test pressure	Vacuum – 500 psig (34.5 bar) maximum
Pilot pressure	N/A
Test media	Air, helium, nitrogen, water
Hole size options	0.030 – 1.510 in. 1/8 – 1 in. NPT 3/8 – 1-3/16 in. SAE M12 – M18 Metric
Materials of construction	Anodized aluminum and stainless steel
Seal material	Silicone Urethane
Actuation method	Manual – cam lever
Connect weight	0.5 – 2.3 lbs. (0.2 – 1.0 kg)

Accessories



[Spare Seal](#)
See website.



[Main Seal Kit](#)
See website.

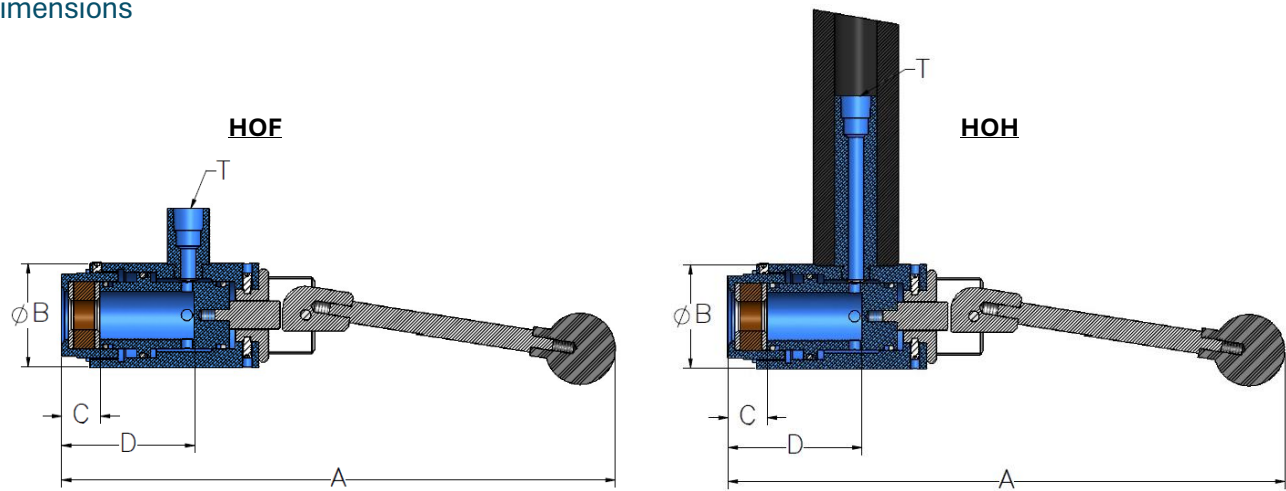


[HOF Body Only](#)
See website.



[HOH Body Only](#)
See website.

Dimensions



HO	A Overall Length [in. (mm)]	B Overall Diameter [in. (mm)]	C Minimum Insertion [in. (mm)]	D Maximum Insertion [in. (mm)]	T Test Port [FNPT]	Weight [lbs. (kg)]
30 (F)	6.4 (162.6)	1.00 (25.4)	0.58 (14.7)	1.50 (38.1)	1/16-27	0.6 (0.3)
31 (F)	6.6 (167.6)	1.30 (33.0)	0.58 (14.7)	1.70 (43.2)	1/4-18	0.6 (0.3)
32 (F/H)	9.8 (248.9)	1.83 (46.5)	0.69 (17.5)	2.36 (59.9)	1/4-18	1.4 / 1.6 (0.6 / 0.7)
33 (F/H)	11.0 (279.4)	2.65 (67.3)	1.05 (26.7)	3.42 (86.9)	1/4-18	2.3 / 2.5 (1.0 / 1.1)

* Weight shown is based on connect assembly with largest standard main seal kit size.

Standard Smooth Surface HOF Connects

Seal Range [in. (mm)]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
0.030 – 0.050 (0.8 – 1.3)	HOF30-AA	1	CTSC-003946	CTSC-003945	CTSC-003947	SEAL-005031
0.050 – 0.080 (1.3 – 2)	HOF30-AB	1	CTSC-003946	CTSC-003949	CTSC-003950	SEAL-005038
0.080 – 0.130 (2 – 3.3)	HOF30-AC	1	CTSC-003946	CTSC-003952	CTSC-003953	SEAL-005046
0.100 – 0.180 (2.5 – 4.6)	HOF31-AA	1	CTSC-003956	CTSC-003955	CTSC-003957	SEAL-005079
0.180 – 0.260 (4.6 – 6.6)	HOF31-AB	1	CTSC-003956	CTSC-003959	CTSC-003960	SEAL-005090
0.260 – 0.340 (6.6 – 8.6)	HOF31-AC	1	CTSC-003956	CTSC-003962	CTSC-003963	SEAL-005100
0.340 – 0.420 (8.6 – 10.7)	HOF31-AE	1	CTSC-003956	CTSC-003965	CTSC-003966	SEAL-005114
0.420 – 0.510 (10.7 – 13)	HOF31-AF	1	CTSC-003956	CTSC-003968	CTSC-003969	SEAL-005119
0.433 – 0.512 (11 – 13)	HOF32-AA	1	CTSC-003993	CTSC-003992	CTSC-003996	SEAL-005134
0.512 – 0.591 (13 – 15)	HOF32-AD	1	CTSC-003993	CTSC-003998	CTSC-004000	SEAL-005141
0.591 – 0.669 (15 – 17)	HOF32-AE	1	CTSC-003993	CTSC-004002	CTSC-004004	SEAL-005147
0.669 – 0.750 (17 – 19.1)	HOF32-AG	1	CTSC-003993	CTSC-004006	CTSC-004008	SEAL-005155
0.750 – 0.827 (19.1 – 21)	HOF32-AH	1	CTSC-003993	CTSC-004010	CTSC-004012	SEAL-005160
0.787 – 0.866 (20 – 22)	HOF33-AB	2	CTSC-004059	CTSC-004058	CTSC-004062	SEAL-005177
0.866 – 0.945 (22 – 24)	HOF33-AC	2	CTSC-004059	CTSC-004064	CTSC-004066	SEAL-005182
0.945 – 1.024 (24 – 26)	HOF33-AE	2	CTSC-004059	CTSC-004068	CTSC-004070	SEAL-005188
1.024 – 1.102 (26 – 28)	HOF33-AF	2	CTSC-004059	CTSC-004072	CTSC-004074	SEAL-005192
1.102 – 1.181 (28 – 30)	HOF33-AG	2	CTSC-004059	CTSC-004076	CTSC-004078	SEAL-005197
1.181 – 1.260 (30 – 32)	HOF33-AH	2	CTSC-004059	CTSC-004080	CTSC-004082	SEAL-005202
1.260 – 1.339 (32 – 34)	HOF33-AJ	2	CTSC-004059	CTSC-004084	CTSC-004086	SEAL-005207
1.339 – 1.417 (34 – 36)	HOF33-AK	2	CTSC-004059	CTSC-004088	CTSC-004090	SEAL-005211
1.417 – 1.510 (36 – 38.4)	HOF33-AL	2	CTSC-004059	CTSC-004092	CTSC-004094	SEAL-005215

NPT Threaded Surface HOF Connects

Seal Range [in.]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
1/8	HOF31-NPT-0125	1	CTSC-003956	CTSC-003977	CTSC-003978	SEAL-005106
1/4	HOF32-NPT-0250	1	CTSC-003993	CTSC-004030	CTSC-004032	SEAL-005139
3/8	HOF32-NPT-0375	1	CTSC-003993	CTSC-004034	CTSC-004036	SEAL-005152
1/2	HOF33-NPT-0500	1	CTSC-004059	CTSC-004124	CTSC-004126	SEAL-005175
3/4	HOF33-NPT-0750	1	CTSC-004059	CTSC-004128	CTSC-004130	SEAL-005187
1	HOF33-NPT-1000	1	CTSC-004059	CTSC-004132	CTSC-004134	SEAL-005205

Metric Threaded Surface HOF Connects

Seal Range	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
M12	HOF32-M12	1	CTSC-003993	CTSC-004014	CTSC-004016	SEAL-005166
M14	HOF32-M14	1	CTSC-003993	CTSC-004018	CTSC-004020	SEAL-060029
M16	HOF32-M16	1	CTSC-003993	CTSC-004022	CTSC-004024	SEAL-054033
M18	HOF32-M18	1	CTSC-003993	CTSC-004026	CTSC-004028	SEAL-046252

SAE Threaded Surface HOF Connects

Seal Range [in.]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
3/8	HOF31-SAE-0375	1	CTSC-003956	CTSC-003983	CTSC-003984	SEAL-038377
7/16	HOF31-SAE-0437	1	CTSC-003956	CTSC-003986	CTSC-003987	SEAL-038098
9/16	HOF32-SAE-0562	1	CTSC-003993	CTSC-004038	CTSC-004040	SEAL-046796
5/8	HOF32-SAE-0625	1	CTSC-003993	CTSC-004042	CTSC-004044	SEAL-040834
11/16	HOF32-SAE-0687	1	CTSC-003993	CTSC-004046	CTSC-004048	SEAL-055610
1-3/16	HOF33-SAE-1187	1	CTSC-004059	CTSC-004156	CTSC-004158	SEAL-042566

Standard Smooth Surface HOH Connects

Seal Range [in. (mm)]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
0.433 – 0.512 (11 – 13)	HOH32-AA	1	CTSC-003995	CTSC-003944	CTSC-003996	SEAL-005134
0.512 – 0.591 (13 – 15)	HOH32-AD	1	CTSC-003995	CTSC-003999	CTSC-004000	SEAL-005141
0.591 – 0.669 (15 – 17)	HOH32-AE	1	CTSC-003995	CTSC-004003	CTSC-004004	SEAL-005147
0.669 – 0.750 (17 – 19.1)	HOH32-AG	1	CTSC-003995	CTSC-004007	CTSC-004008	SEAL-005155
0.750 – 0.827 (19.1 – 21)	HOH32-AH	1	CTSC-003995	CTSC-004011	CTSC-004012	SEAL-005160
0.787 – 0.866 (20 – 22)	HOH33-AB	2	CTSC-004061	CTSC-004060	CTSC-004062	SEAL-005177
0.866 – 0.945 (22 – 24)	HOH33-AC	2	CTSC-004061	CTSC-004065	CTSC-004066	SEAL-005182
0.945 – 1.024 (24 – 26)	HOH33-AE	2	CTSC-004061	CTSC-004069	CTSC-004070	SEAL-005188
1.024 – 1.102 (26 – 28)	HOH33-AF	2	CTSC-004061	CTSC-004073	CTSC-004074	SEAL-005192
1.102 – 1.181 (28 – 30)	HOH33-AG	2	CTSC-004061	CTSC-004077	CTSC-004078	SEAL-005197
1.181 – 1.260 (30 – 32)	HOH33-AH	2	CTSC-004061	CTSC-004081	CTSC-004082	SEAL-005202
1.260 – 1.339 (32 – 34)	HOH33-AJ	2	CTSC-004061	CTSC-004085	CTSC-004086	SEAL-005207
1.339 – 1.417 (34 – 36)	HOH33-AK	2	CTSC-004061	CTSC-004089	CTSC-004090	SEAL-005211
1.417 – 1.510 (36 – 38.4)	HOH33-AL	2	CTSC-004061	CTSC-004093	CTSC-004094	SEAL-005215

NPT Threaded Surface HOH Connects

Seal Range [in.]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
1/4	HOH32-NPT-0250	1	CTSC-003995	CTSC-004031	CTSC-004032	SEAL-005139
3/8	HOH32-NPT-0375	1	CTSC-003995	CTSC-004035	CTSC-004036	SEAL-005152
1/2	HOH33-NPT-0500	1	CTSC-004061	CTSC-004125	CTSC-004126	SEAL-005175
3/4	HOH33-NPT-0750	1	CTSC-004061	CTSC-004129	CTSC-004130	SEAL-005187
1	HOH33-NPT-1000	1	CTSC-004061	CTSC-004133	CTSC-004134	SEAL-005205

Metric Threaded Surface HOH Connects

Seal Range	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
M12	HOH32-M12	1	CTSC-003995	CTSC-004015	CTSC-004016	SEAL-005166
M14	HOH32-M14	1	CTSC-003995	CTSC-004019	CTSC-004020	SEAL-060029
M16	HOH32-M16	1	CTSC-003995	CTSC-004023	CTSC-004024	SEAL-054033
M18	HOH32-M18	1	CTSC-003995	CTSC-004027	CTSC-004028	SEAL-046252

SAE Threaded Surface HOH Connects

Seal Range [in.]	Connect	Number of Seals	Body Only Part Number	Assembly Part Number (Body Only + Main Seal Kit)	Main Seal Kit Part Number	Seal Part Number
9/16	HOH32-SAE-0562	1	CTSC-003995	CTSC-004039	CTSC-004040	SEAL-046796
5/8	HOH32-SAE-0625	1	CTSC-003995	CTSC-004043	CTSC-004044	SEAL-040834
11/16	HOH32-SAE-0687	1	CTSC-003995	CTSC-004047	CTSC-004048	SEAL-055610
1-3/16	HOH33-SAE-1187	1	CTSC-004061	CTSC-004157	CTSC-004158	SEAL-042566