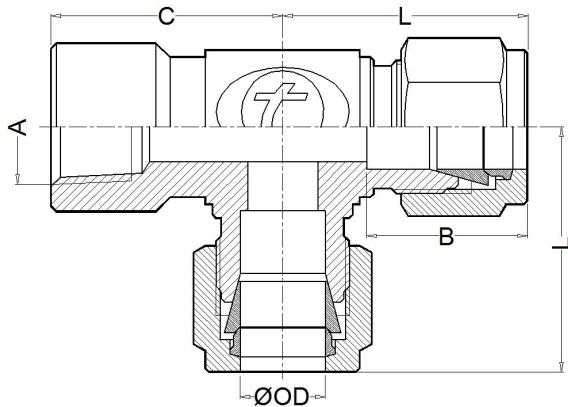




CHL

Threated Female Tee (NPT & BSP) or Socket Weld (SW) BRANCH DESIGN

The CHL two-ferrule compressing fittings are used to assemble a threaded or welding end to a metric or fractional tubes. BRANCH DESIGN. The resulting union is completely hermetic, both for high pressure and high temperatures.



Features

- Easy and fast mounting.
- Resistant to vibration.
- Hard fastening and union without twisting.
- Anti-leakage guarantee.
- Metric tube from 4mm to 25mm.
- Fractional tube from 1/8" to 1".
- Threaded NPT ends according to ANSI B1.20.1.
- Threaded BSP ends according to DIN ISO 228-1.
- Socket Weld SW ends according to ANSI B16.11.

Technical data

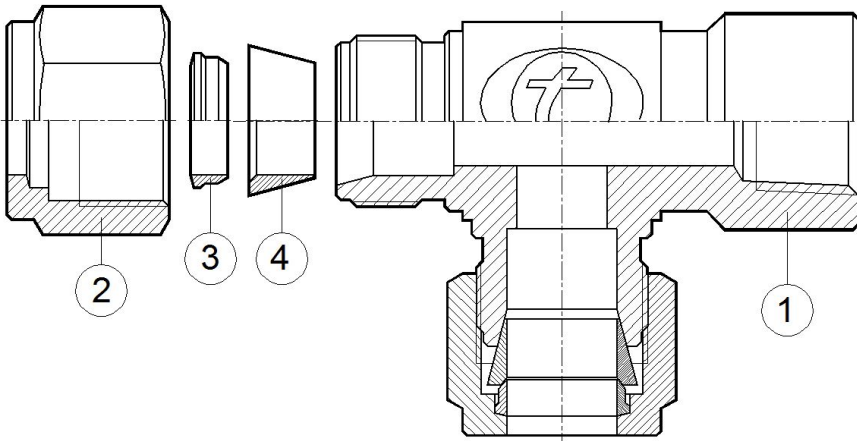
Ø OD	A	Code NPT	Code BSP	Code SW	B (mm)	C (mm)	L (mm)
1/8"	1/8"	84800	84900	85000	13	19	25
1/8"	1/4"	84801	84901	85001	13	23	25
4	1/8"	84802	84902	85002	14	19	25
4	1/4"	84803	84903	85003	14	23	25
3/16"	1/8"	84804	84904	85004	14	19	25
3/16"	1/4"	84805	84905	85005	14	23	25
6	1/8"	84806	84906	85006	16	19	27
6	1/4"	84807	84907	85007	16	24	27
6	3/8"	84808	84908	85008	16	27	30
1/4"	1/8"	84809	84909	85009	16	19	27
1/4"	1/4"	84810	84910	85010	16	24	27
1/4"	3/8"	84811	84911	85011	16	27	30
8	1/8"	84812	84912	85012	17	20	29
8	1/4"	84813	84913	85013	17	25	29
8	3/8"	84814	84914	85014	17	27	30
3/8"	1/8"	84815	84915	85015	17	20	31
3/8"	1/4"	84816	84916	85016	17	25	31
3/8"	3/8"	84817	84917	85017	17	27	31
3/8"	1/2"	84818	84918	85018	17	32	31
10	1/8"	84819	84919	85019	17	21	31
10	1/4"	84820	84920	85020	17	26	31

Ø OD	A	Code NPT	Code BSP	Code SW	B (mm)	C (mm)	L (mm)
10	3/8"	84821	84921	85021	17	27	31
10	1/2"	84822	84922	85022	17	32	32
12	1/4"	84823	84923	85023	23	28	36
12	3/8"	84824	84924	85024	23	29	36
12	1/2"	84825	84925	85025	23	33	36
1/2"	1/4"	84826	84926	85026	23	28	36
1/2"	3/8"	84827	84927	85027	23	29	36
1/2"	1/2"	84828	84928	85028	23	33	36
5/8"	1/4"	84829	84929	85029	24	33	40
5/8"	3/8"	84830	84930	85030	24	33	40
5/8"	1/2"	84831	84931	85031	24	37	40
16	1/4"	84832	84932	85032	24	33	40
16	3/8"	84833	84933	85033	24	33	40
16	1/2"	84834	84934	85034	24	37	40
18	3/8"	84835	84935	85035	24	33	40
18	1/2"	84836	84936	85036	24	37	40
18	3/4"	84837	84937	85037	24	38	40
3/4"	3/8"	84838	84938	85038	24	33	40
3/4"	1/2"	84839	84939	85039	24	37	40
3/4"	3/4"	84840	84940	85040	24	38	40
3/4"	1"	84841	84941	85041	24	47	44

Technical data

Ø OD	A	Code NPT	Code BSP	Code SW	B (mm)	C (mm)	L (mm)
20	3/8"	84842	84942	85042	26	33	40
20	1/2"	84843	84943	85043	26	37	40
20	3/4"	84844	84944	85044	26	38	40
20	1"	84845	84945	85045	26	47	44
22	1/2"	84846	84946	85046	26	37	40
22	3/4"	84847	84947	85047	26	38	40

Ø OD	A	Code NPT	Code BSP	Code SW	B (mm)	C (mm)	L (mm)
7/8"	1/2"	84848	84948	85048	26	37	40
7/8"	3/4"	84849	84949	85049	26	38	40
25	3/4"	84850	84950	85050	31	42	49
25	1"	84851	84951	85051	31	47	49
1"	3/4"	84852	84952	85052	31	42	49
1"	1"	84853	84953	85053	31	47	49

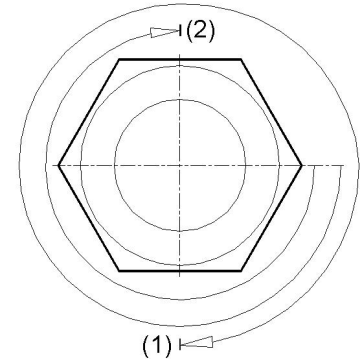


Packaging

All TECVAL fittings are supplied packed in individual polyethylene airtight bags. Everything is 100% recyclable.

Assembly process

Insert the tube to the bottom of the end connector, and tight the nut manually. Then, fasten the body of the connector with a spanner, and with another spanner tight the nut 1 turn and 1/4 (1). For tube of 1/8 and 4mm just tight 3/4 turn (2). The result is a hard fastening, no leakage union without twisting and safe from the connector to the tube.



Materials

Nº Part	AISI-316L A4	Duplex AD	SuperDuplex AS	Special alloys
1 Body	AISI-316L (1.4404)	Duplex (1.4462)	Superduplex (1.4410/1.4501)	Special alloy
2 Nut	AISI-316L (1.4404)	Duplex (1.4462)	Superduplex (1.4410/1.4501)	Special alloy
3 Back ferrule	AISI-316L (1.4404)	Duplex (1.4462)	Superduplex (1.4410/1.4501)	Special alloy
4 Front ferrule	AISI-316L (1.4404)	Duplex (1.4462)	Superduplex (1.4410/1.4501)	Special alloy

Special alloys

Among the wide range of alloys existing, TECVAL has selected those considered by our customers as most suitable, which we stock to ensure a quick and effective supply: AISI-316Ti (1.4571) **A6**, AISI-904L (1.4539) **A9**, Alloy 400 (2.4360) **MO**, Alloy 625 (2.4856) **IN**, Alloy 825 (2.4858) **CO**, 254-SMO (1.4547) **AV**, Titanium Gr.2 (3.7034) **TI**, Hastelloy C-276 (2.4819) **HA**. Whether you do not find the required alloy or need further information about our special alloys valves and fittings, please address your inquiry to our Technical Department.

Ordering information

The fittings references are formed in two parts:

Fitting Code Look for it in the technical data.

Material Code Look for it in the materials list.

Example: Threaded Female Tee BRANCH DESING CHL 1/8"OD x 1/8" BSP 254-SMO will be: **84900 AV**.

The reference required to place the order is **84900AV**.



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