CONNECTION STUDS OVERVIEW

Male Stud Connector
24° Tube Connection

Elbow Studs
24° Tube Connection

Union T
24° Tube Connection

Union-Cross
24° Tube Connection

Bulkhead Union
24° Tube Connection

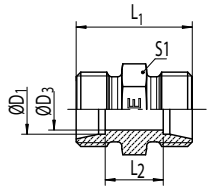
Elbow Bulkhead Union
24° Tube Connection

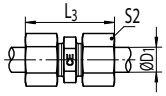
C-G Connection Studs

Male Stud Connector
24° Tube Connection (DIN EN ISO 8434-1)











Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	Ordering Code *	kg/ 100
LL	100	100	4	3.0	20	12	32	9	10	**C-G 04 LL X**	0.6
			6	4.5	20	9	32	11	12	**C-G 06 LL X**	0.7
			8	6.0	23	12	35	12	14	**C-G 08 LL X**	1.1
			10	8.0	23	12	35	14	17	**C-G 10 LL X**	1.3
			12	10.0	23	11	35	17	19	**C-G 12 LL X**	1.6
L	315	500	6	4.0	24	10	40	12	14	**C-G 06 L X**	1.3
			8	6.0	25	11	41	14	17	**C-G 08 L X**	1.6
			10	8.0	27	13	43	17	19	**C-G 10 L X**	2.5
	315	400	12	10.0	28	14	44	19	22	**C-G 12 L X**	2.8
			15	12.0	30	16	46	24	27	**C-G 15 L X**	4.8
			18	15.0	31	16	49	27	32	**C-G 18 L X**	6.7
	160	250	22	19.0	35	20	53	32	36	**C-G 22 L X**	8.9
			28	24.0	36	21	54	41	41	**C-G 28 L X**	13.5
			35	30.0	41	20	63	46	50	**C-G 35 L X**	21.0
			42	36.0	43	21	67	55	60	**C-G 42 L X**	29.6
S	630	800	6	4.0	30	16	46	14	17	**C-G 06 S X**	2.5
			8	5.0	32	18	48	17	19	**C-G 08 S X**	3.7
			10	7.0	32	17	50	19	22	**C-G 10 S X**	4.3
	630	630	12	8.0	34	19	52	22	24	**C-G 12 S X**	6.3
			14	10.0	38	22	58	24	27	**C-G 14 S X**	7.6
	400	630	16	12.0	38	21	58	27	30	**C-G 16 S X**	8.8
	400	400	20	16.0	44	23	66	32	36	**C-G 20 S X**	14.2
			25	20.0	50	26	74	41	46	**C-G 25 S X**	25.1
			30	25.0	54	27	80	46	50	**C-G 30 S X**	33.0
	250	400	38	32.0	61	29	91	55	60	**C-G 38 S X**	54.1

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 **CF** = Galvanized Steel Cr(VI)-free



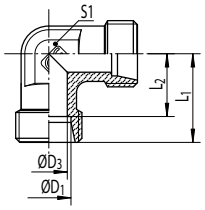
C-W Connection Studs

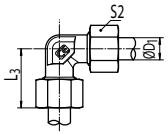
Elbow Studs

24° Tube Connection (DIN EN ISO 8434-1)











Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	Ordering Code *	kg/ 100
LL	100	100	4	3.0	15	11.0	21	9	10	**C-W 04 LL X**	0.9
			6	4.5	15	9.5	21	9	12	**C-W 06 LL X**	0.9
			8	6.0	17	11.5	23	12	14	**C-W 08 LL X**	1.5
			10	8.0	21	15.5	27	12	17	**C-W 10 LL X**	1.9
			12	10.0	21	15.0	27	14	19	**C-W 12 LL X**	2.6
L	315	500	6	4.0	19	12.0	27	12	14	**C-W 06 L X**	1.9
			8	6.0	21	14.0	29	12	17	**C-W 08 L X**	2.2
			10	8.0	22	15.0	30	14	19	**C-W 10 L X**	3.0
	315	400	12	10.0	24	17.0	32	17	22	**C-W 12 L X**	4.1
			15	12.0	28	21.0	36	19	27	**C-W 15 L X**	7.6
			18	15.0	31	23.5	40	24	32	**C-W 18 L X**	10.8
	160	250	22	19.0	35	27.5	44	27	36	**C-W 22 L X**	14.6
			28	24.0	38	30.5	47	36	41	**C-W 28 L X**	23.9
			35	30.0	45	34.5	56	41	50	**C-W 35 L X**	38.8
			42	36.0	51	40.0	63	50	60	**C-W 42 L X**	58.7
S	630	800	6	4.0	23	16.0	31	12	17	**C-W 06 S X**	3.3
			8	5.0	24	17.0	32	14	19	**C-W 08 S X**	4.5
			10	7.0	25	17.5	34	17	22	**C-W 10 S X**	5.5
	630	630	12	8.0	29	21.5	38	17	24	**C-W 12 S X**	8.1
			14	10.0	30	22.0	40	19	27	**C-W 14 S X**	9.6
	400	630	16	12.0	33	24.5	43	24	30	**C-W 16 S X**	13.6
	400	400	20	16.0	37	26.5	48	27	36	**C-W 20 S X**	18.8
			25	20.0	42	30.0	54	36	46	**C-W 25 S X**	33.7
			30	25.0	49	35.5	62	41	50	**C-W 30 S X**	51.5
	250	400	38	32.0	57	41.0	72	50	60	**C-W 38 S X**	79.7

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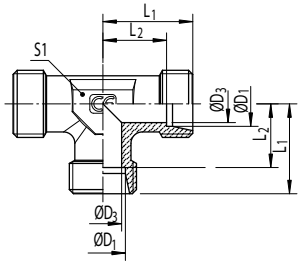
C-T Connection Studs

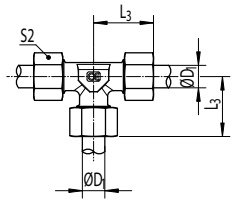
Union T

24° Tube Connection (DIN EN ISO 8434-1)











Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	Ordering Code *	kg/ 100
LL	100	100	4	3.0	15	11.0	21	9	10	**C-T 04 LL X**	1.1
			6	4.5	15	9.5	21	9	12	**C-T 06 LL X**	1.2
			8	6.0	17	11.5	23	12	14	**C-T 08 LL X**	1.8
			10	8.0	21	15.5	27	12	17	**C-T 10 LL X**	3.7
			12	10.0	21	15.0	27	14	19	**C-T 12 LL X**	4.9
L	315	500	6	4.0	19	12.0	27	12	14	**C-T 06 L X**	2.6
			8	6.0	21	14.0	29	12	17	**C-T 08 L X**	3.1
			10	8.0	22	15.0	30	14	19	**C-T 10 L X**	4.1
	315	400	12	10.0	24	17.0	32	17	22	**C-T 12 L X**	5.7
			15	12.0	28	21.0	36	19	27	**C-T 15 L X**	9.8
			18	15.0	31	23.5	40	24	32	**C-T 18 L X**	14.3
	160	250	22	19.0	35	27.5	44	27	36	**C-T 22 L X**	18.3
			28	24.0	38	30.5	47	36	41	**C-T 28 L X**	31.3
			35	30.0	45	34.5	56	41	50	**C-T 35 L X**	46.0
			42	36.0	51	40.0	63	50	60	**C-T 42 L X**	68.7
S	630	800	6	4.0	23	16.0	31	12	17	**C-T 06 S X**	4.7
			8	5.0	24	17.0	32	14	19	**C-T 08 S X**	6.5
			10	7.0	25	17.5	34	17	22	**C-T 10 S X**	7.7
	630	630	12	8.0	29	21.5	38	17	24	**C-T 12 S X**	10.9
			14	10.0	30	22.0	40	19	27	**C-T 14 S X**	12.8
	400	630	16	12.0	33	24.5	43	24	30	**C-T 16 S X**	17.3
	400	400	20	16.0	37	26.5	48	27	36	**C-T 20 S X**	24.9
			25	20.0	42	30.0	54	36	46	**C-T 25 S X**	44.0
			30	25.0	49	35.5	62	41	50	**C-T 30 S X**	67.5
	250	400	38	32.0	57	41.0	72	50	60	**C-T 38 S X**	103.5

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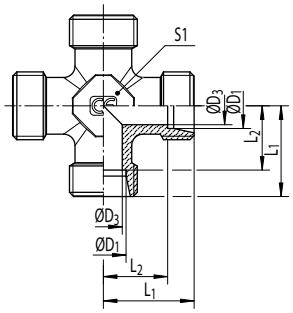


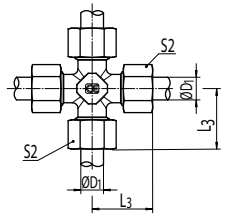
C-K Connection Studs

Union-Cross
24° Tube Connection (DIN EN ISO 8434-1)











Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	Ordering Code *	kg/ 100
LL	100	100	4	3.0	15	11.0	21	9	10	**C-K 04 LL X**	1.5
			6	4.5	15	9.5	21	9	12	**C-K 06 LL X**	1.6
			8	6.0	17	11.5	23	12	14	**C-K 08 LL X**	2.4
L	315	315	6	4.0	19	12.0	27	12	14	**C-K 06 L X**	3.6
			8	6.0	21	14.0	29	12	17	**C-K 08 L X**	4.2
			10	8.0	22	15.0	30	14	19	**C-K 10 L X**	5.2
			12	10.0	24	17.0	32	17	22	**C-K 12 L X**	6.7
			15	12.0	28	21.0	36	19	27	**C-K 15 L X**	12.4
			18	15.0	31	23.5	40	24	32	**C-K 18 L X**	17.5
	160	160	22	19.0	35	27.5	44	27	36	**C-K 22 L X**	22.8
			28	24.0	38	30.5	47	36	41	**C-K 28 L X**	37.4
			35	30.0	45	34.5	56	41	50	**C-K 35 L X**	56.5
			42	36.0	51	40.0	63	50	60	**C-K 42 L X**	83.9
S	630	630	6	4.0	23	16.0	31	12	17	**C-K 06 S X**	6.1
			8	5.0	24	17.0	32	14	19	**C-K 08 S X**	8.2
			10	7.0	25	17.5	34	17	22	**C-K 10 S X**	10.0
			12	8.0	29	21.5	38	17	24	**C-K 12 S X**	13.9
	400	400	14	10.0	30	22.0	40	19	27	**C-K 14 S X**	16.8
	400	400	16	12.0	33	24.5	43	24	30	**C-K 16 S X**	21.9
	315	315	20	16.0	37	26.5	48	27	36	**C-K 20 S X**	31.1
			25	20.0	42	30.0	54	36	46	**C-K 25 S X**	54.6
			30	25.0	49	35.5	62	41	50	**C-K 30 S X**	85.1
	250	315	38	32.0	57	41.0	72	50	60	**C-K 38 S X**	127.8

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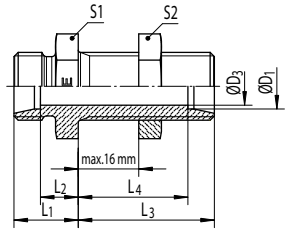
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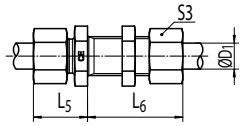
C-SV Connection Studs

Bulkhead Union
24° Tube Connection (DIN EN ISO 8434-1)









Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	315	500	6	4	14	7.0	34	27.0	22	42	17	17	14	**C- SV 06 L OMD**	3.9
			8	6	15	8.0	34	27.0	23	42	19	19	17	**C- SV 08 L OMD**	5.0
			10	8	17	10.0	35	28.0	25	43	22	22	19	**C- SV 10 L OMD**	6.8
	315	400	12	10	17	10.0	36	29.0	25	44	24	24	22	**C- SV 12 L OMD**	7.8
			15	12	19	12.0	38	31.0	27	46	27	30	27	**C- SV 15 L OMD**	12.8
			18	15	21	13.5	40	32.5	30	49	32	36	32	**C- SV 18 L OMD**	19.8
	160	250	22	19	24	16.5	42	34.5	33	51	36	41	36	**C- SV 22 L OMD**	25.4
			28	24	26	18.5	43	35.5	35	52	41	46	41	**C- SV 28 L OMD**	33.5
			35	30	29	18.5	47	36.5	40	58	50	55	50	**C- SV 35 L OMD**	54.6
			42	36	30	19.0	47	36.0	42	59	60	65	60	**C- SV 42 L OMD**	75.7
S	630	800	6	4	19	12.0	36	29.0	27	44	19	19	17	**C- SV 06 S OMD**	6.4
			8	5	20	13.0	36	29.0	28	44	22	22	19	**C- SV 08 S OMD**	8.6
			10	7	22	14.5	37	29.5	31	46	24	24	22	**C- SV 10 S OMD**	11.3
	630	630	12	8	22	14.5	38	30.5	31	47	27	27	24	**C- SV 12 S OMD**	14.2
			14	10	25	17.0	40	32.0	35	50	30	30	27	**C- SV 14 S OMD**	18.1
	400	630	16	12	25	16.5	40	31.5	35	50	32	32	30	**C- SV 16 S OMD**	17.7
	400	400	20	16	28	17.5	44	33.5	39	55	41	41	36	**C- SV 20 S OMD**	33.4
			25	20	32	20.0	47	35.0	44	59	46	46	46	**C- SV 25 S OMD**	49.0
			30	25	35	21.5	51	37.5	48	64	50	50	50	**C- SV 30 S OMD**	66.2
	250	400	38	32	38	22.0	53	37.0	53	68	65	65	60	**C- SV 38 S OMD**	106.0

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C-WSV

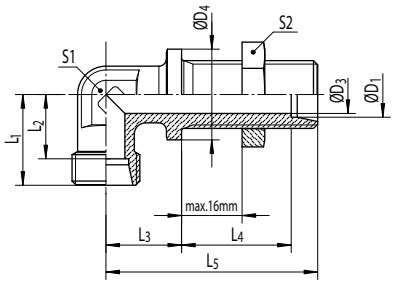
Connection Studs

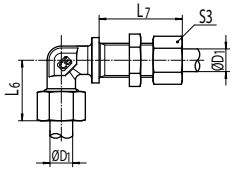
Elbow Bulkhead Union

24° Tube Connection (DIN EN ISO 8434-1)



Male Stud Connectors Overview





Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØD3 [mm]	ØD4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	315	315	6	4	17	19	12.0	14	27.0	48	27	42	12	17	14	**C-WSV 06 L OMD**	5.0
			8	6	19	21	14.0	17	27.0	51	29	42	12	19	17	**C-WSV 08 L OMD**	6.1
			10	8	22	22	15.0	18	28.0	53	30	43	14	22	19	**C-WSV 10 L OMD**	7.7
			12	10	24	24	17.0	20	29.0	56	32	44	17	24	22	**C-WSV 12 L OMD**	9.8
			15	12	27	28	21.0	23	31.0	61	36	46	19	30	27	**C-WSV 15 L OMD**	16.0
			18	15	32	31	23.5	24	32.5	64	40	49	24	36	32	**C-WSV 18 L OMD**	23.8
	160	160	22	19	36	35	27.5	30	34.5	72	44	51	27	41	36	**C-WSV 22 L OMD**	31.5
			28	24	42	38	30.5	34	35.5	77	47	52	36	46	41	**C-WSV 28 L OMD**	61.0
			35	30	50	45	34.5	39	36.5	86	56	58	41	55	50	**C-WSV 35 L OMD**	70.1
			42	36	60	51	40.0	43	36.0	90	63	59	50	65	60	**C-WSV 42 L OMD**	102.3
S	630	630	6	4	19	23	16.0	17	29.0	53	31	44	12	19	17	**C-WSV 06 S OMD**	7.4
			8	5	22	24	17.0	18	29.0	54	32	44	14	22	19	**C-WSV 08 S OMD**	9.7
			10	7	24	25	17.5	20	29.5	57	34	46	17	24	22	**C-WSV 10 S OMD**	12.3
			12	8	27	29	21.5	21	30.5	59	38	47	17	27	24	**C-WSV 12 S OMD**	15.5
			14	10	27	30	22.0	23	32.0	63	40	50	19	30	27	**C-WSV 14 S OMD**	19.4
	400	400	16	12	30	33	24.5	24	31.5	64	43	50	24	32	30	**C-WSV 16 S OMD**	24.0
	400	400	20	16	36	37	26.5	30	33.5	74	48	55	27	41	36	**C-WSV 20 S OMD**	37.9
			25	20	42	42	30.0	34	35.0	81	54	59	36	46	46	**C-WSV 25 S OMD**	62.5
			30	25	50	49	35.5	39	37.5	90	62	64	41	50	50	**C-WSV 30 S OMD**	84.9
	250	315	38	32	60	57	41.0	43	37.0	96	72	68	50	65	60	**C-WSV 38 S OMD**	142.8

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