

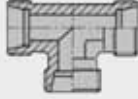
















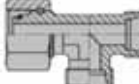
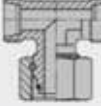



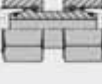




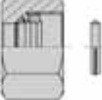






BITE TYPE FITTINGS

Product	Page	Product	Page
General Information	265	evWK - Adjustable Male Stud Elbow	286
GK - Straight Coupling	268	evLK - Adjustable Male Stud Tee	287
GRK - Union Reduction L/S	269	evTK - Adjustable Equal Tee	288
TK - Equal Tee	270	evGE - Stud Standpipe Adaptor	289
WK - Equal Elbow	271	KORK - Reducing Fitting – L-Serie	290
KK - Equal Cross	272	KORK - Reducing Fitting – L-Serie	291
ESVK - Weldable Bulkhead Coupling	273	KORK - Reducing Fitting – S-Serie	292
SVK - Bulkhead Coupling	274	KORK - Reducing Fitting – S-Serie	293
WSVK - Bulkhead Elbow	275	SNV - Straight Union	294
GAIK - Parallel Female Stud Coupling	276	VSTI - Blanking End	295
MAVK - Manometer Coupling	277	BUZ - Blanking Plug for 24° Cone	296
MAVev - Manometer Coupling	278	M - Nut DIN 3870	297
ASK - Weldable Stud	279	DS - Profile Ring DIN 3861	298
WEK - Male Stud Elbow	280	DSW - WALRing Tube Connection Sys.	299
GEK - Male Stud Coupling – BSP	281	RI - Reducing Adaptor	300
GEK - Male Stud Coupling – BSP	282	RI - Reducing Adaptor with e.d. Seal	301
GEK - Male Stud Coupling – Metric	283	Bördel Fittings	302
GEK - Male Stud Coupling – UNF	284	Bördel Fittings – Stainless AISI 316	303
GEK - Male Stud Coupling – NPT	285	Walform Tube Fittings – DIN 2353	304



BITE TYPE FIT

GK  page 268	GRK  page 269	TK  page 270	WK  page 271	KK  page 272
ESVK  page 273	SVK  page 274	WSVK  page 275	GAIK  page 276	MAVK  page 277
MAVev  page 278 GEK - metric	ASK  page 279 GEK - UNF	WEK  page 280 GEK - NPT	GEK - BSP  page 281 evWK	GEK - BSP  page 282 evLK
 page 283	 page 284	 page 285	 page 286	 page 287
evTK  page 288	evGE  page 289	KORK - L-Serie  page 290	KORK - S-Serie  page 292	SNV  page 294
VSTI  page 295	BUZ  page 296	M  page 297	DS  page 298	DSW  page 299
RI  page 300	RI  page 301	Bördel - St 52  page 302	Bördel - AISI 316  page 303	

Bite Type Fittings

General Information

GS-Hydro's bite type (profile ring) fittings comply with DIN 2353/DIN EN ISO 8434-1. These fittings are available in the following ranges: LL (very light, L (light) and S (heavy). Profile ring fittings are available in carbon steel and stainless steel.

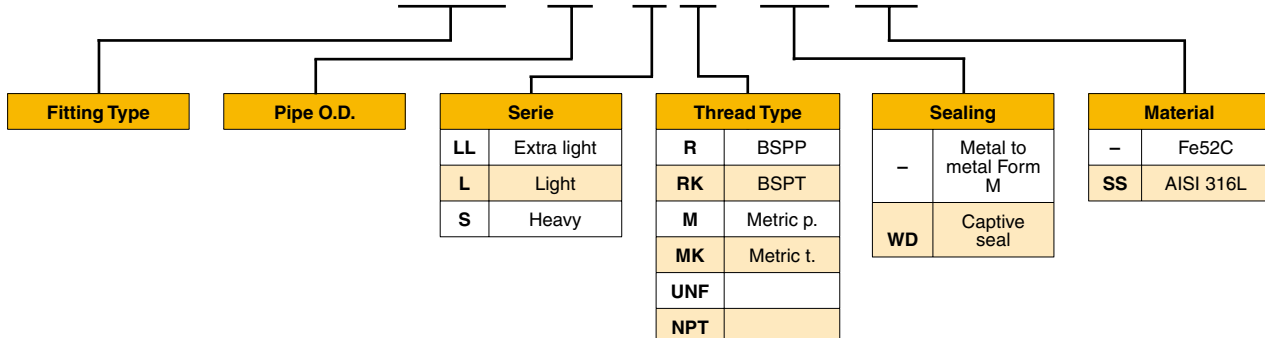
Nominal Pressures of Bite Type (profile ring) Fittings (acc. to DIN 2353)

Series	Tube O.D. (mm)	Nominal Pressure (bar)
LL (very light duty)	4	100
	5	100
	6	100
	8	100
L (light duty)	6	250
	8	250
	10	250
	12	250
	15	250
	18	160
	22	160
	28	100
	35	100
S (heavy duty)	42	100
	6	630
	8	630
	10	630
	12	630
	16	400
	20	400
	25	400
30	250	
	38	250

For bite type fittings GS-Hydro recommend the use of seamless cold drawn tubes according to DIN 2391.

Order Example

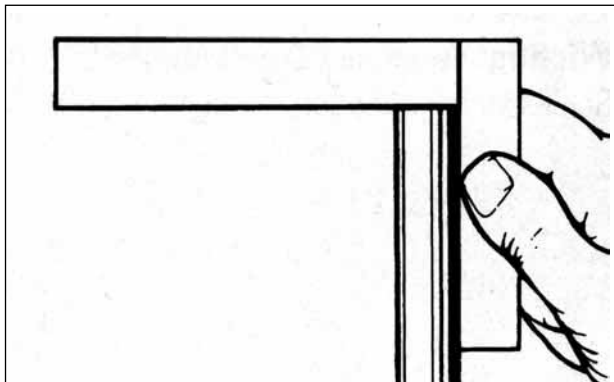
GEK 12 - L R - WD



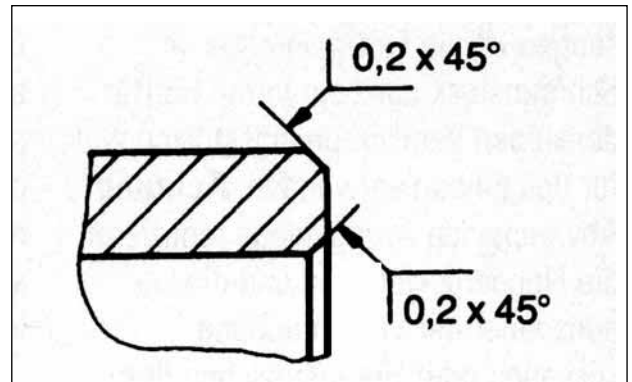
Bite Type Fittings

Installation and Assembly

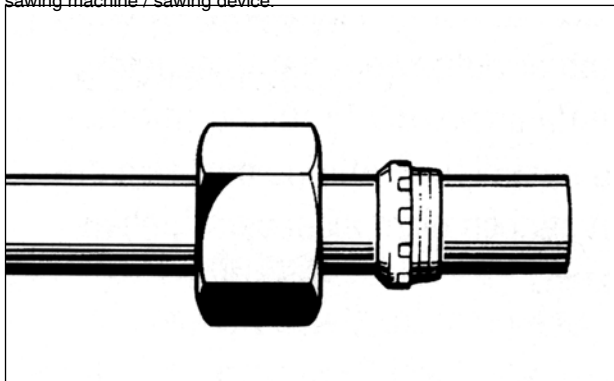
The following presents the general principles of the assembly and installation of bite type fittings and are thus not to be construed as detailed and complete instruction. Note! The detailed assembly and installation instructions are available from GS-Hydro upon request.



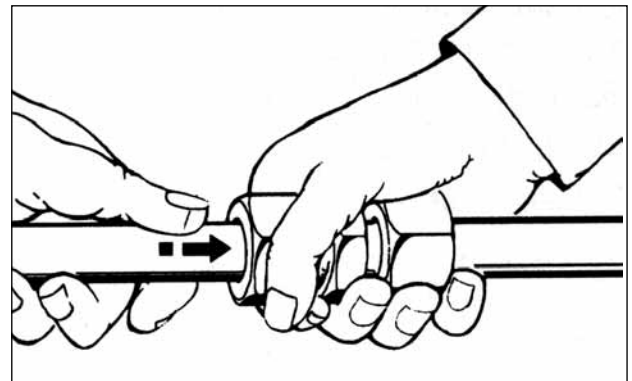
Saw the tube off at rightangles, an angular deviation of 0.5° relative to the tube axis is permissible. Do not use pipe cutter or cutting-off wheels. Use a sawing machine / sawing device.



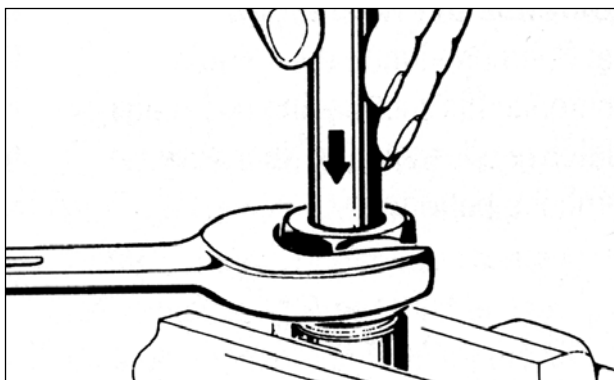
Lightly deburr the tube ends and clean the tube.



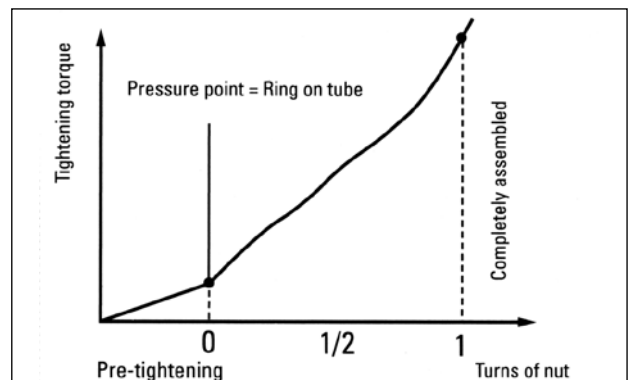
Place nut and profile ring on tube as shown.



Press tube into fitting body up to tube abutment. Tighten nut by hand.



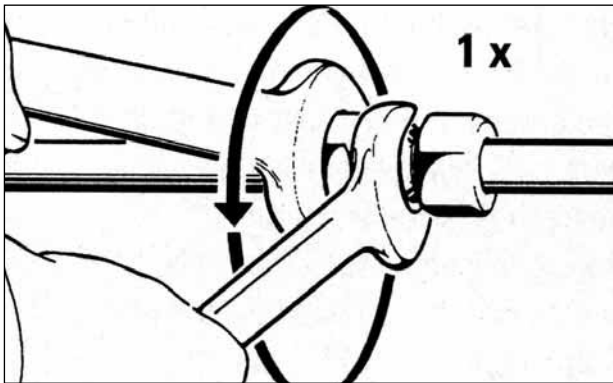
With unfavourable mounting conditions and great tube dimensions, the appropriate fitting body must be fixed in a vice.



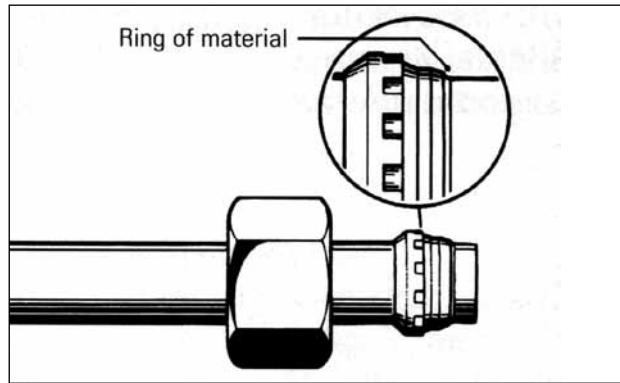
Tighten nut until the profile ring grips the tube which is felt by a noticeable increase in torque.

Bite Type Fittings

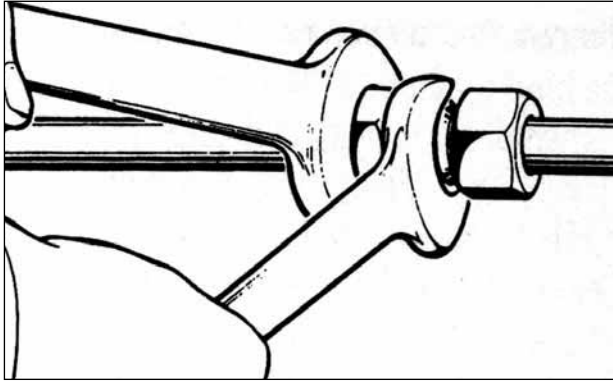
Installation and Assembly



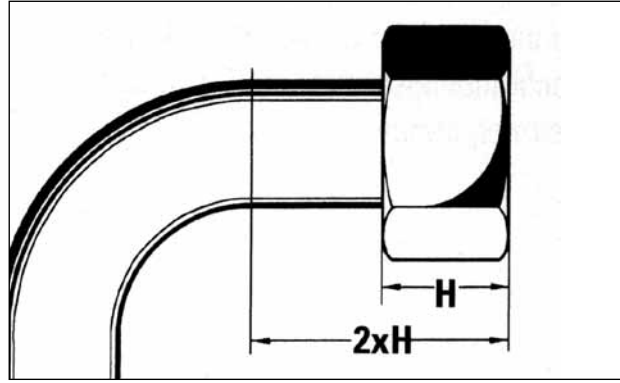
Final assembly by one turn. **Important:** Hold fitting body firmly by means of a spanner.



Check penetration of cutting edge. A visible ring of material should fill the space in front of the profile ring end face.



Each time the fitting is disassembled, the nut must be re-tightened firmly using the same torque as required for final assembly.



For tube bends, the length of the straight tube end up to start of the bending radius must be at least twice the nut length.

Tube Dimensions and Final Assembly Torques

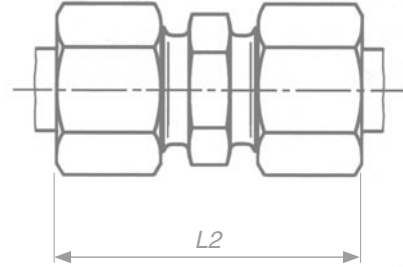
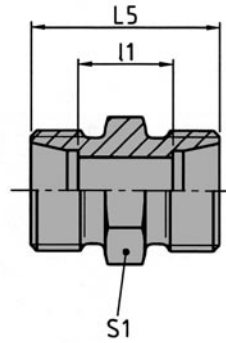
Series	Tube O.D. (mm)	Min. Tube Wall Thickness (mm)	Final Assembly Torque (Nm)
L (light duty)	6	1.0	25
	8	1.0	40
	10	1.0	50
	12	1.5	70
	15	1.5	90
	18	1.5	115
	22	2.0	210
	28	2.0	310
	35	3.0	500
	42	3.0	600
S (heavy duty)	6	2.0	35
	8	1.5	55
	10	1.5	70
	12	1.5	85
	16	1.5	120
	20	2.0	200
	25	2.5	340
	30	3.0	480
	38	4.0	850

Bite Type Fittings

Straight Coupling (body only)

DIN 2353 (ISO 8434-1)

GK



268

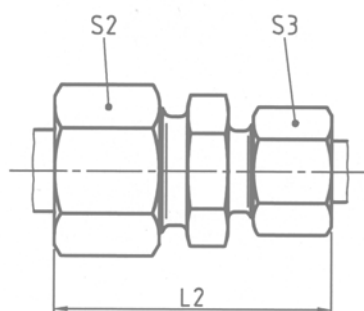
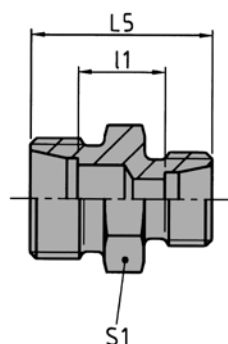
Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l1	S1	L2
	St	SS									
LL	100	100	4	GK 04-LL	22013300	22023300	0,6	20	12	9	31
LL	100	100	6	GK 06-LL	22013306	22023306	0,7	20	9	11	32
LL	100	100	8	GK 08-LL	22013315	22023315	1,1	23	12	12	35
L	500	315	6	GK 06-L	22013303	22023303	1,3	24	10	12	39
L	500	315	8	GK 08-L	22013312	22023312	1,7	25	11	14	40
L	500	315	10	GK 10-L	22013321	22023321	2,5	27	13	17	42
L	400	315	12	GK 12-L	22013327	22023327	2,8	28	14	19	43
L	400	315	15	GK 15-L	22013336	22023336	4,8	30	16	24	46
L	250	160	18	GK 18-L	22013342	22023342	6,6	31	16	27	48
L	250	160	22	GK 22-L	22013348	22023348	8,9	35	20	32	52
L	250	160	28	GK 28-L	22013354	22023354	13,5	36	21	41	54
L	250	160	35	GK 35-L	22013360	22023360	21,2	41	20	46	63
L	250	160	42	GK 42-L	22013366	22023366	29,2	43	21	55	66
S	800	630	6	GK 06-S	22013309	22023309	2,5	30	16	14	45
S	800	630	8	GK 08-S	22013318	22023318	2,9	32	18	17	47
S	630	630	10	GK 10-S	22013324	22023324	4,3	32	17	19	49
S	630	630	12	GK 12-S	22013330	22023330	6,0	34	19	22	51
S	630	400	14	GK 14-S	22013333	22023333	7,5	38	22	24	57
S	400	400	16	GK 16-S	22013339	22023339	8,7	38	21	27	57
S	400	400	20	GK 20-S	22013345	22023345	14,2	44	23	32	66
S	400	400	25	GK 25-S	22013351	22023351	24,9	50	26	41	74
S	400	400	30	GK 30-S	22013357	22023357	32,8	54	27	46	80
S	400	315	38	GK 38-S	22013363	22023363	54,0	61	29	55	90

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

L2 = approximate length with nut tightened



GRK

Serie	PN		Tube Ø 1	Tube Ø 2	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l1	S1	S2	S3	L2
	St	SS												
LL	100	100	6	4	GRK 06/04 LL	22013302	22023302	0,7	20	10,5	11	12	10	32,5
LL	100	100	8	4	GRK 08/04 LL	220133141	220233141	0,8	22	12,5	12	14	10	34
L	500	315	8	6	GRK 08/06 L	22013311	22023311	1,6	25	11	14	17	14	40
L	500	315	10	6	GRK 10/06 L	22013319	22023319	2,0	26	12	17	19	14	41
L	500	315	10	8	GRK 10/08 L	22013320	22023320	2,1	26	12	17	19	17	41
L	400	315	12	6	GRK 12/06 L	22013326	22023326	2,3	27	13	19	22	14	42
L	400	315	12	8	GRK 12/08 L	22013328	22023328	2,3	27	13	19	22	17	42
L	400	315	12	10	GRK 12/10 L	22013325	22023325	2,5	28	14	19	22	19	43
L	400	315	15	10	GRK 15/10 L	22013334	22023334	4,4	29	15	24	27	19	44,5
L	400	315	15	12	GRK 15/12 L	22013335	22023335	4,2	29	15	24	27	22	44,5
L	400	315	18	10	GRK 18/10 L	22013340	22023340	6,0	30	15,5	27	32	19	46
L	400	315	18	12	GRK 18/12 L	22013341	22023341	5,9	30	15,5	27	32	22	46
L	400	315	18	15	GRK 18/15 L	22013343	22023343	6,1	31	16,5	27	32	27	47,5
L	250	160	22	15	GRK 22/15 L	22013346	22023346	7,9	33	18,5	32	36	27	49,5
L	250	160	22	18	GRK 22/18 L	22013347	22023347	8,3	33	18	32	36	32	50
L	250	160	28	22	GRK 28/22 L	22013352	22023352	13,0	36	21	41	41	36	54
L	250	160	35	22	GRK 35/22 L	22013361	22023361	21,0	39	21	46	50	36	59
L	250	160	35	28	GRK 35/28 L	22013362	22023362	20,0	39	21	46	50	41	59
S	630	400	16	12	GRK 16/12 S	22013337	22023337	8,2	36	20	27	30	24	54
S	400	400	20	16	GRK 20/16 S	22013344	22023344	13,1	42	23	32	36	30	62,5
S	400	400	25	16	GRK 25/16 S	22013349	22023349	22,3	46	22,5	41	46	30	68
S	420	400	25	20	GRK 25/20 S	22013350	22023350	23,4	48	25,5	41	46	36	71
S	420	400	30	20	GRK 30/20 S	22013356	22023356	31,0	50	26	46	50	36	74
S	420	400	30	25	GRK 30/25 S	22013358	22023358	31,0	52	26,5	46	50	46	77
S	420	400	38	30	GRK 38/30 S	22013364	22023364	53,3	59,5	29,5	55	60	50	87

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

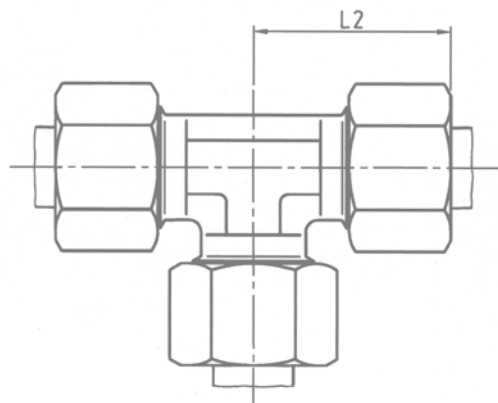
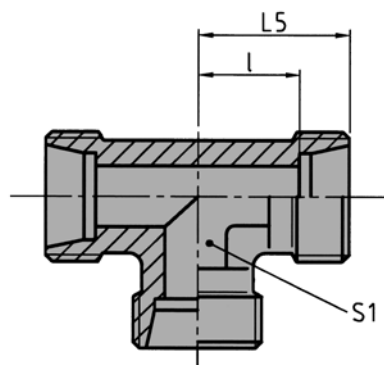
L2 = approximate length with nut tightened

Bite Type Fittings

Equal Tee (body only)

DIN 2353 (ISO 8434-1)

TK



270

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	I	S1	L2
	St	SS									
LL	100	100	4	TK 04-LL	22017700	22027700	1,4	15	11	8	21
LL	100	100	6	TK 06-LL	22017706	22027706	1,7	15	9,5	10	21
LL	100	100	8	TK 08-LL	22017715	22027715	2,5	17	11,5	12	23
L	500	315	6	TK 06-L	22017703	22027703	3,4	19	12	12	27
L	500	315	8	TK 08-L	22017712	22027712	5,2	21	14	14	29
L	500	315	10	TK 10-L	22017721	22027721	6,3	22	15	17	30
L	400	315	12	TK 12-L	22017727	22027727	8,6	24	17	19	32
L	400	315	15	TK 15-L	22017736	22027736	8,9	28	21	19	36
L	400	315	18	TK 18-L	22017742	22027742	14,7	31	23,5	24	40
L	250	160	22	TK 22-L	22017748	22027748	19,6	35	27,5	27	44
L	250	160	28	TK 28-L	22017754	22027754	33,4	38	30,5	36	47
L	250	160	35	TK 35-L	22017760	22027760	49,5	45	34,5	41	56
L	250	160	42	TK 42-L	22017766	22027766	67,5	51	40	50	63
S	800	630	6	TK 06-S	22017709	22027709	6,1	23	16	14	31
S	800	630	8	TK 08-S	22017718	22027718	8,6	24	17	17	32
S	800	630	10	TK 10-S	22017724	22027724	10,8	25	17,5	19	34
S	630	630	12	TK 12-S	22017730	22027730	16,0	29	21,5	22	38
S	630	630	14	TK 14-S	22017733	22027733	13,2	30	22	19	40
S	630	400	16	TK 16-S	22017739	22027739	16,0	33	24,5	24	43
S	400	400	20	TK 20-S	22017745	22027745	26,8	37	26,5	27	48
S	400	400	25	TK 25-S	22017751	22027751	46,0	42	30	36	54
S	400	400	30	TK 30-S	22017757	22027757	71,4	49	35,5	41	62
S	400	315	38	TK 38-S	22017763	22027763	103,5	57	41	50	72

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

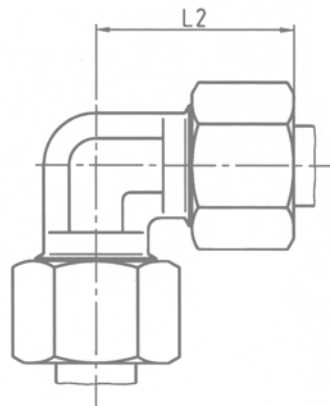
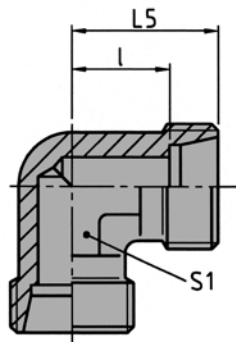
When ordering Stainless Steel, add 316 to below Part No.

L2 = approximate length with nut tightened

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Equal Elbow (body only)



WK

271

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l	S1	L2
	St	SS									
LL	100	100	4	WK 04-LL	22019300	22029300	1,2	15	11	8	21
LL	100	100	6	WK 06-LL	22019306	22029306	1,4	15	9,5	11	21
LL	100	100	8	WK 08-LL	22019315	22029315	2,2	17	11,5	12	23
L	500	315	6	WK 06-L	22019303	22029303	2,8	19	12	12	27
L	500	315	8	WK 08-L	22019312	22029312	4,1	21	14	14	29
L	500	315	10	WK 10-L	22019321	22029321	5,7	22	15	17	30
L	400	315	12	WK 12-L	22019327	22029327	8,0	24	17	19	32
L	400	315	15	WK 15-L	22019336	22029336	7,5	28	21	19	36
L	400	315	18	WK 18-L	22019342	22029342	11,2	31	23,5	24	40
L	250	160	22	WK 22-L	22019348	22029348	14,9	35	27,5	27	44
L	250	160	28	WK 28-L	22019354	22029354	25,2	34	30,5	36	47
L	250	160	35	WK 35-L	22019360	22029360	46,5	45	34,5	41	56
L	250	160	42	WK 42-L	22019366	22029366	61,6	51	40	50	63
S	800	630	6	WK 06-S	22019309	22029309	9,4	23	16	14	31
S	800	630	8	WK 08-S	22019318	22029318	7,2	24	17	17	32
S	800	630	10	WK 10-S	22019324	22029324	9,7	25	17,5	19	34
S	630	630	12	WK 12-S	22019330	22029330	13,6	29	21,5	22	38
S	630	630	14	WK 14-S	22019333	22029333	9,8	30	22	19	40
S	630	400	16	WK 16-S	22019339	22029339	14,4	33	24,5	24	43
S	400	400	20	WK 20-S	22019345	22029345	20,0	37	26,5	27	48
S	400	400	25	WK 25-S	22019351	22029351	36,5	42	30	36	54
S	400	400	30	WK 30-S	22019357	22029357	46,5	49	35,5	41	62
S	400	315	38	WK 38-S	22019363	22029363	66,0	57	41	50	72

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

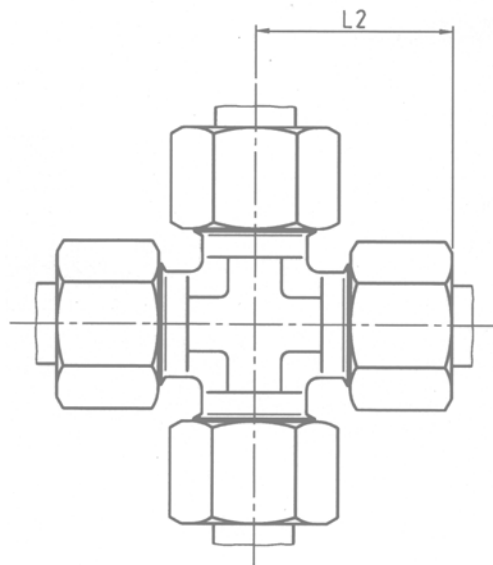
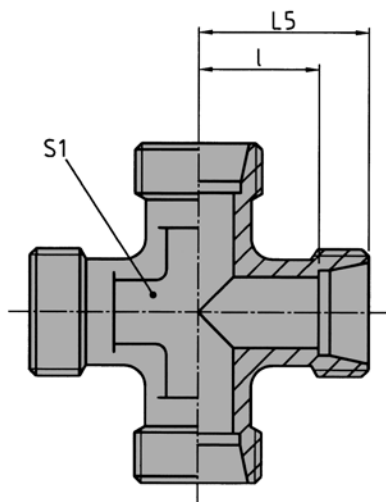
L2 = approximate length with nut tightened

Bite Type Fittings

Equal Cross (body only)

DIN 2353 (ISO 8434-1)

KK



272

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	I	S1	L2
	St	SS									
LL	100	100	4	KK 04-LL	22014000	22024000	1,5	15	11	9	21
LL	100	100	6	KK 06-LL	22014006	22024006	1,5	15	9,5	9	21
LL	100	100	8	KK 08-LL	22014015	22024015	2,6	17	11,5	12	23
L	500	315	6	KK 06-L	22014003	22024003	3,5	19	12	12	27
L	500	315	8	KK 08-L	22014012	22024012	4,1	21	14	12	29
L	500	315	10	KK 10-L	22014021	22024021	4,6	22	15	14	30
L	400	315	12	KK 12-L	22014027	22024027	7,3	24	17	17	32
L	400	315	15	KK 15-L	22014036	22024036	12,5	28	21	19	36
L	400	315	18	KK 18-L	22014042	22024042	18,2	31	23,5	24	40
L	250	160	22	KK 22-L	22014048	22024048	23,5	35	27,5	27	44
L	250	160	28	KK 28-L	22014054	22024054	64,0	38	30,5	36	47
L	250	160	35	KK 35-L	22014060	22024060	64,0	45	34,5	41	56
L	250	160	42	KK 42-L	22014066	22024066	83,2	51	40	50	63
S	800	630	6	KK 06-S	22014009	22024009	6,1	23	16	12	31
S	800	630	8	KK 08-S	22014018	22024018	8,1	24	17	14	32
S	800	630	10	KK 10-S	22014024	22024024	10,4	25	17,5	17	34
S	630	630	12	KK 12-S	22014030	22024030	13,7	29	21,5	17	38
S	630	630	14	KK 14-S	22014033	22024033	16,5	30	22	19	40
S	630	400	16	KK 16-S	22014039	22024039	22,4	33	24,5	24	43
S	400	400	20	KK 20-S	22014045	22024045	29,0	37	26,5	27	48
S	400	400	25	KK 25-S	22014051	22024051	43,5	42	30	36	54
S	400	400	30	KK 30-S	22014057	22024057	58,5	49	35,5	41	62
S	400	315	38	KK 38-S	22014063	22024063	73,5	57	41	50	72

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

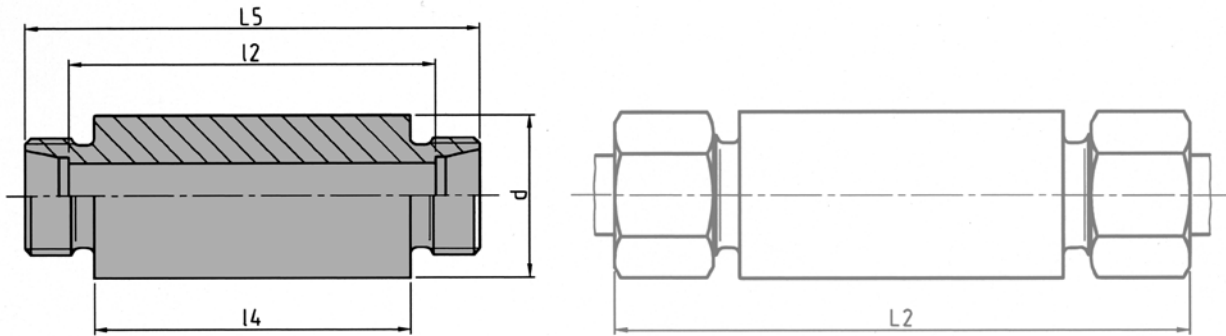
L2 = approximate length with nut tightened

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Weldable Bulkhead Coupling (body only)

ESVK



273

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l2	l4	d	L2
	St	SS										
L	500	315	6	ESVK 06-L	22011300	22021300	10,3	70	56	50	18	85
L	500	315	8	ESVK 08-L	22011306	22021306	12,3	70	56	50	20	85
L	500	315	10	ESVK 10-L	22011312	22021312	14,4	72	58	50	22	87
L	400	315	12	ESVK 12-L	22011318	22021318	17,9	72	58	50	25	87
L	400	315	15	ESVK 15-L	22011327	22021327	26,5	84	70	60	28	100
L	400	315	18	ESVK 18-L	22011333	22021333	33,4	84	69	60	32	101
L	250	160	22	ESVK 22-L	22011339	22021339	39,9	88	73	60	36	105
L	250	160	28	ESVK 28-L	22011345	22021345	45,1	88	73	60	40	106
L	250	160	35	ESVK 35-L	22011351	22021351	72,2	92	71	60	50	114
L	250	160	42	ESVK 42-L	22011357	22021357	100,7	92	70	60	60	115
S	800	630	6	ESVK 06-S	22011303	22021303	13,6	74	60	50	20	89
S	800	630	8	ESVK 08-S	22011309	22021309	16,4	74	60	50	22	89
S	800	630	10	ESVK 10-S	22011315	22021315	20,3	74	59	50	25	91
S	630	630	12	ESVK 12-S	22011321	22021321	25,3	74	59	50	28	91
S	630	630	14	ESVK 14-S	22011324	22021324	16,8	88	72	60	30	107
S	630	400	16	ESVK 16-S	22011330	22021330	44,5	88	71	60	35	107
S	400	400	20	ESVK 20-S	22011336	22021336	51,7	92	71	60	38	114
S	400	400	25	ESVK 25-S	22011342	22021342	72,5	96	72	60	45	120
S	400	400	30	ESVK 30-S	22011348	22021348	87,9	100	73	60	50	126
S	400	315	38	ESVK 38-S	22011354	22021354	125,5	104	72	60	60	133

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

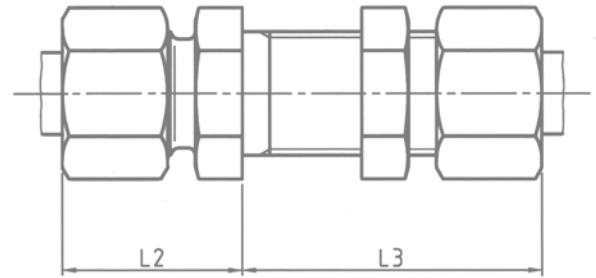
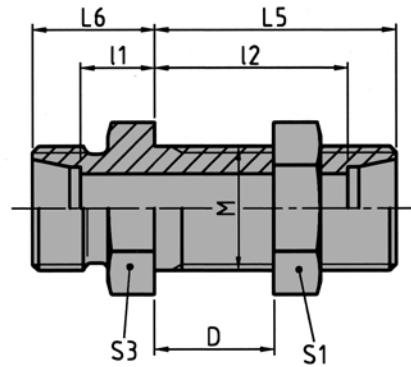
L2 = approximate length with nut tightened

Bite Type Fittings

Bulkhead Coupling (body only)

DIN 2353 (ISO 8434-1)

SVK



274

Serie	PN		Tube Ø ext.	M	D		Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L6	I1	I2	S1	S3	L2	L3
	St	SS			min	max												
L	500	315	6	M12 x 1,5	4	16	SVK 06-L	22013400	22023400	4,0	34	14	7	27	17	17	22	42
L	500	315	8	M14 x 1,5	4	16	SVK 08-L	22013406	22023406	5,0	34	15	8	27	19	19	23	42
L	500	315	10	M16 x 1,5	4	16	SVK 10-L	22013412	22023412	6,5	35	17	10	28	22	22	25	43
L	400	315	12	M18 x 1,5	4	16	SVK 12-L	22013418	22023418	7,5	36	17	10	29	24	24	25	44
L	400	315	15	M22 x 1,5	4	16	SVK 15-L	22013427	22023427	13,0	38	19	12	31	30	27	27	45
L	400	315	18	M26 x 1,5	4	16	SVK 18-L	22013433	22023433	19,5	40	21	13,5	32,5	36	32	30	49
L	250	160	22	M30 x 2	5	16	SVK 22-L	22013432	22023432	25,5	42	44	16,5	34,5	41	36	33	51
L	250	160	28	M36 x 2	5	16	SVK 28-L	22013445	22023445	34,0	42	26	18,5	35,5	46	41	35	52
L	250	160	35	M45 x 2	5	16	SVK 35-L	22013451	22023451	49,4	47	29	18,5	36,5	55	50	40	58
L	250	160	42	M52 x 2	5	16	SVK 42-L	22013457	22023457	71,6	47	30	19	36	65	60	42	59
S	800	630	6	M14 x 1,5	4	16	SVK 06-S	22013403	22023403	6,2	36	19	12	29	19	19	27	44
S	800	630	8	M16 x 1,5	4	16	SVK 08-S	22013409	22023409	9,0	36	20	13	29	22	22	28	44
S	800	630	10	M18 x 1,5	4	16	SVK 10-S	22013415	22023415	11,3	37	22	14,5	29,5	24	24	31	46
S	630	630	12	M20 x 1,5	4	16	SVK 12-S	22013421	22023421	14,0	38	22	14,5	30,5	27	27	31	47
S	630	630	14	M22 x 1,5	4	16	SVK 14-S	22013424	22023424	18,0	40	25	17	32	30	30	35	50
S	630	400	16	M24 x 1,5	4	16	SVK 16-S	22013430	22023430	17,5	40	25	16,5	31,5	32	32	35	50
S	400	400	20	M30 x 2	5	16	SVK 20-S	22013436	22023436	33,2	44	28	17,5	33,5	41	41	39	55
S	400	400	25	M36 x 2	5	16	SVK 25-S	22013442	22023442	49,5	47	32	20	35	46	46	44	59
S	400	400	30	M42 x 2	5	16	SVK 30-S	22013448	22023448	66,4	51	35	21,5	37,5	50	50	48	64
S	400	315	38	M52 x 2	5	16	SVK 38-S	22013454	22023454	105,9	53	38	22	37	65	65	53	68

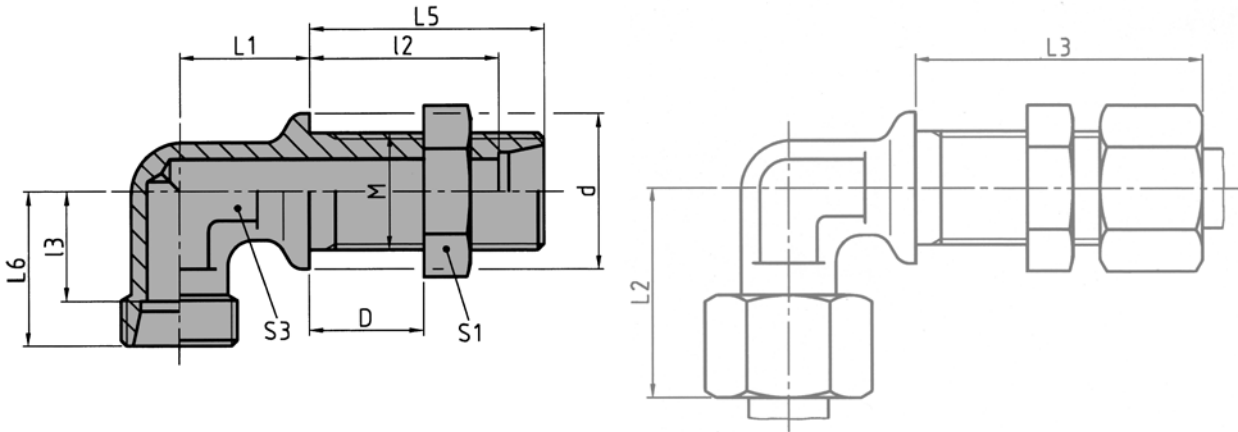
Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

L2 and L3 = approximate length with nut tightened

WSVK



275

Serie	PN		Tube Ø ext.	M	D		Part No	ID Code St	ID Code SS	Weight 100/pc	L1	L5	L6	I2	I3	d	S1	S3	L2	L3
	St	SS			min	max														
L	500	315	6	M12 x 1,5	4	16	WSVK 06-L	22019500	22029500	5,0	14	34	19	27	12	17	17	12	27	42
L	500	315	8	M14 x 1,5	4	16	WSVK 08-L	22019506	22029506	6,5	17	34	21	27	14	19	19	12	29	42
L	500	315	10	M16 x 1,5	4	16	WSVK 10-L	22019512	22029512	8,0	18	35	22	28	15	22	22	14	30	43
L	400	315	12	M18 x 1,5	4	16	WSVK 12-L	22019518	22029518	10,0	20	36	24	29	17	24	24	17	32	44
L	400	315	15	M22 x 1,5	4	16	WSVK 15-L	22019527	22029527	17,0	23	38	28	31	21	27	30	19	36	46
L	400	315	18	M26 x 1,5	4	16	WSVK 18-L	22019533	22029533	24,0	24	40	31	32,5	23,5	32	36	24	40	49
L	250	160	22	M30 x 2	5	16	WSVK 22-L	22019539	22029539	64,2	30	42	35	34,5	27,5	36	41	27	44	51
L	250	160	28	M36 x 2	5	16	WSVK 28-L	22019545	22029545	44,5	34	43	38	35,5	30,5	42	46	36	47	52
L	250	160	35	M45 x 2	5	16	WSVK 35-L	22019551	22029551	68,8	39	47	45	36,5	34,5	50	55	41	56	58
L	250	160	42	M52 x 2	5	16	WSVK 42-L	22019557	22029557	196,7	43	47	51	36	40	60	65	50	63	59
S	800	630	6	M14 x 1,5	4	16	WSVK 06-S	22019503	22029503	7,5	17	36	23	29	16	19	19	12	31	44
S	800	630	8	M16 x 1,5	4	16	WSVK 08-S	22019509	22029509	10,0	18	36	24	29	17	22	22	14	32	44
S	800	630	10	M18 x 1,5	4	16	WSVK 10-S	22019515	22029515	12,2	20	37	25	29,5	17,5	24	24	17	34	46
S	630	630	12	M20 x 1,5	4	16	WSVK 12-S	22019521	22029521	16,0	21	38	29	30,5	21,5	27	27	17	38	47
S	630	630	14	M22 x 1,5	4	16	WSVK 14-S	22019524	22029524	20,0	23	40	30	32	22	27	30	19	40	50
S	630	400	16	M24 x 1,5	4	16	WSVK 16-S	22019530	22029530	23,0	24	40	33	31,5	24,5	30	32	24	43	50
S	400	400	20	M30 x 2	5	16	WSVK 20-S	22019536	22029536	38,5	30	44	37	33,5	26,5	36	41	27	48	55
S	400	400	25	M36 x 2	5	16	WSVK 25-S	22019542	22029542	62,0	34	47	42	35	30	42	46	36	54	59
S	400	400	30	M42 x 2	5	16	WSVK 30-S	22019548	22029548	88,5	39	51	49	37,5	35,5	50	50	41	62	64
S	400	315	38	M52 x 2	5	16	WSVK 38-S	22019554	22029554	129,9	43	53	57	37	41	60	65	50	72	68

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

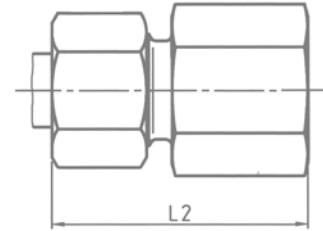
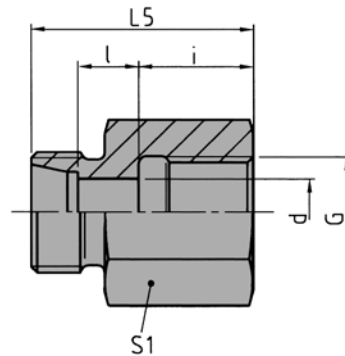
* = Hexagon nut to DIN 80705

Bite Type Fittings

Parallel Female Stud Coupling (body only)

DIN 2353 (ISO 8434-1)

GAIK



276

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	G	Weight 100/pc	L2	L5	l	i	d	S1
	St	SS												
L	250	315	6	GAIK 06-LR	22012000	22022000	1/8"	1,9	34	26	7	12	4	14
L	250	315	8	GAIK 08-LR	22012006	22022006	1/4"	3,8	39	31	7	17	6	19
L	250	315	10	GAIK 10-LR	22012012	22022012	1/4"	3,9	40	32	8	17	8	19
L	250	315	12	GAIK 12-L1/4R	22012018	22022018	1/4"	4,4	40	32	8	17	8	19
L	250	315	12	GAIK 12-LR	22012021	22022021	3/8"	6,2	41	33	9	17	10	24
L	250	315	15	GAIK 15-LR	22012030	22022030	1/2"	8,6	46	38	11	20	12	30
L	160	315	18	GAIK 18-LR	22012036	22022036	1/2"	8,9	47	38	10,5	20	15	27
L	160	160	22	GAIK 22-LR	22012042	22022042	3/4"	8,9	52	43	13,5	22	19	36
L	400	160	28	GAIK 28-LR	22012048	22022048	1"	20,9	55	45,5	13,5	24,5	24	41
L	400	160	35	GAIK 35-LR	22012054	22022054	1 1/4"	46,3	63	51,5	14,5	26,5	30	55
L	400	160	42	GAIK 42-LR	22012060	22022060	1 1/2"	52,8	65	53,5	14	28,5	36	60
S	400	630	6	GAIK 06-SR	22012003	22022003	1/4"	4,2	41	33	9	17	4	19
S	400	630	8	GAIK 08-SR	22012009	22022009	1/4"	4,4	41	33	9	17	5	19
S	400	630	10	GAIK 10-SR	22012015	22022015	3/8"	6,9	43	34	9,5	17	7	24
S	400	630	12	GAIK 12-SR	22012025	22022025	3/8"	7,2	43	34	9,5	17	8	24
S	400	630	14	GAIK 14-SR	22012027	22022027	1/2"	9,7	50	40	12	20	10	27
S	400	400	16	GAIK 16-SR	22012033	22022033	1/2"	9,4	50	40	11,5	20	12	30
S	400	400	20	GAIK 20-SR	22012039	22022039	3/4"	19,3	56	45	12,5	22	16	36
S	400	400	25	GAIK 25-SR	22012045	22022045	1"	24,2	62	49,5	13	24,5	20	41
S	250	315	30	GAIK 30-SR	22012051	22022051	1 1/4"	50,1	69	55,5	15,5	26,5	25	55
S	250	315	38	GAIK 38-SR	22012057	22022057	1 1/2"	58,4	74	59,5	15	28,5	32	60

Material: Mild Steel or Stainless Steel

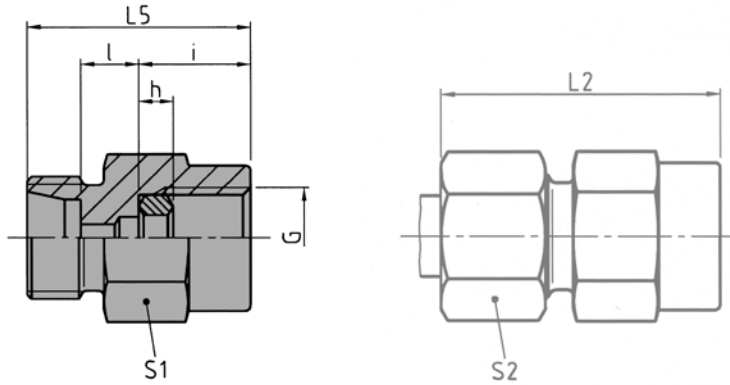
Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

Bite Type Fittings

DIN 2353 (ISO 8434-1) Manometer Coupling with Sealing Ring (body only)

MAVK



277

BITE TYPE FITTINGS

SAE J514 JIC FLARE FITTINGS

HOSES & HOSE COUPLINGS

ADAPTORS

SPECIAL SOLUTIONS

MACHINES

TECHNICAL INFORMATION

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	G	Weight 100/pc	L2	l	i	h	S1	S2
	St	SS												
L	500	315	6	MAVK 06-LR	22014400	22024400	1/4"	4,6	37	7,5	14,5	4,5	19	14
L	500	315	8	MAVK 08-LR	22014406	22024406	1/4"	5,3	37	7,5	14,5	4,5	19	17
L	500	315	10	MAVK 10-LR	22014412	22024412	1/4"	6,2	38	8,5	14,5	4,5	19	19
L	400	315	12	MAVK 12-LR	22014418	22024418	1/4"	7,0	38	8,5	14,5	4,5	19	22
S	800	630	6	MAVK 06-SR	22014403	22024403	1/2"	10,5	46	11	20	5	27	17
S	800	630	8	MAVK 08-SR	22014409	22024409	1/2"	10,7	46	11	20	5	27	19
S	800	630	10	MAVK 10-SR	22014415	22024415	1/2"	12,5	47	10,5	20	5	27	22
S	630	630	12	MAVK 12-SR	22014421	22024421	1/2"	13,4	47	10,5	20	5	27	24

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

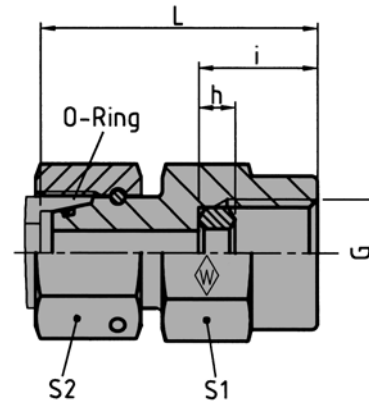
When ordering Stainless Steel, add 316 to below Part No.

L2 = approximate length with nut tightened

Bite Type Fittings

DIN 2353 (ISO 8434-1)

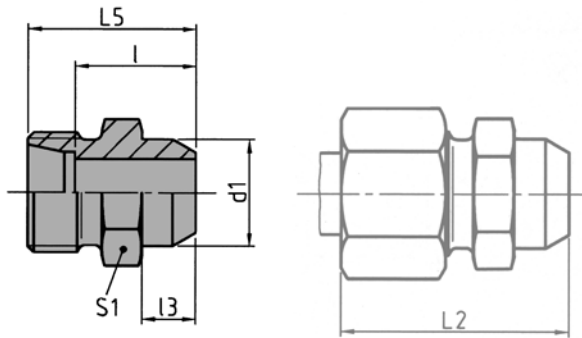
MAVev



278

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	G	Weight 100/pc	L	i	h	S1	S2	O-RING
	St	SS												
L	500	315	6	MAVev 06-LR	22011200	22021200	1/4"	5,7	38	14,5	4,5	19	14	4,5x1,5
L	500	315	8	MAVev 08-LR	22011206	22021206	1/4"	7,0	38	14,5	4,5	19	17	6,0x1,5
L	500	315	10	MAVev 10-LR	22011212	22021212	1/4"	7,2	39,5	14,5	4,5	19	19	8,5x1,5
L	400	315	12	MAVev 12-LR	22011218	22021218	1/4"	8,0	40,5	14,5	4,5	19	22	10x1,5
S	630	630	6	MAVev 06-SR	22011203	22021203	1/2"	11,5	45	20	5	27	17	4,5x1,5
S	630	630	8	MAVev 08-SR	22011209	22021209	1/2"	11,4	45	20	5	27	19	6,0x1,5
S	630	630	10	MAVev 10-SR	22011215	22021215	1/2"	13,4	47	20	5	27	22	8,5x1,5
S	630	630	12	MAVev 12-SR	22011221	22021221	1/2"	12,9	47,5	20	5	27	24	10x1,5

Material: Mild Steel or Stainless Steel
 Part No is for Mild Steel.
 When ordering Stainless Steel, add **316** to below Part No.



ASK

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l	l3	d1	S1	L2
	St	SS											
L	500	315	6	ASK 06-L	22010300	22020300	1,1	21	14	7	10	12	29
L	500	315	8	ASK 08-L	22010306	22020306	1,5	23	16	8	12	14	31
L	500	315	10	ASK 10-L	22010312	22020312	2,2	25	18	8	14	17	33
L	400	315	12	ASK 12-L	22010318	22020318	2,5	25	18	8	16	19	33
L	400	315	15	ASK 15-L	22010327	22020327	4,3	29	22	10	19	22	37
L	400	315	18	ASK 18-L	22010333	22020333	6,6	31	23,5	10	22	27	40
L	250	160	22	ASK 22-L	22010339	22020339	9,8	36	28,5	12	27	32	45
L	250	160	28	ASK 28-L	22010345	22020345	15,9	38	30,5	12	32	41	47
L	250	160	35	ASK 35-L	22010351	22020351	23,0	43	32,5	14	40	46	54
L	250	160	42	ASK 42-L	22010357	22020357	32,7	46	35	16	46	55	58
S	800	630	6	ASK 06-S	22010303	22020303	2,1	26	19	7	11	14	34
S	800	630	8	ASK 08-S	22010309	22020309	3,1	28	21	8	13	17	36
S	800	630	10	ASK 10-S	22010315	22020315	4,1	30	22,5	8	15	19	39
S	630	630	12	ASK 12-S	22010321	22020321	5,6	32	24,5	10	17	22	41
S	630	630	14	ASK 14-S	22010324	22020324	7,0	35	27	10	19	24	45
S	630	400	16	ASK 16-S	22010330	22020330	8,7	45	26,5	10	21	27	45
S	400	400	20	ASK 20-S	22010336	22020336	12,9	40	29,5	12	26	32	51
S	400	400	25	ASK 25-S	22010342	22020342	21,9	44	32	12	31	41	56
S	400	400	30	ASK 30-S	22010348	22020348	29,5	49	35,5	14	36	46	62
S	400	315	38	ASK 38-S	22010354	22020354	44,7	54	38	16	44	55	69

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

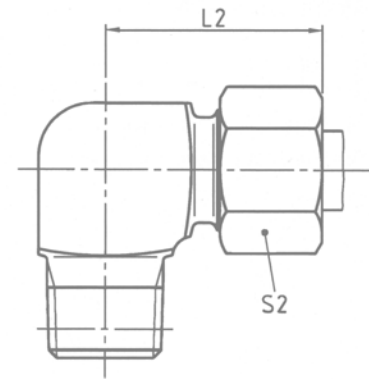
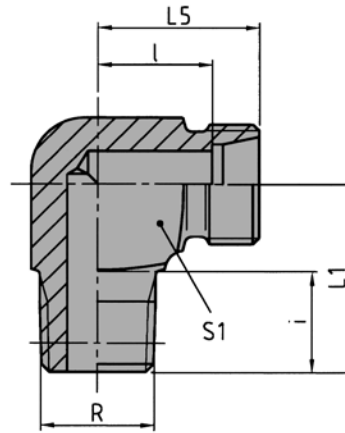
L2 = approximate length with nut tightened

Bite Type Fittings

Male Stud Elbow (body only)

DIN 2353 (ISO 8434-1)

WEK



280

Serie	PN		Tube Ø ext.	R	Part No	ID Code St	ID Code SS	Weight 100/pc	L1	L2	I	i	S1	S2
	St	SS												
LL	100	100	4	1/8"	WEK 04 LLR	22018800	22028800	1,7	17	21	11	8	11	10
LL	100	100	6	1/8"	WEK 06 LLR	22018810	22028810	1,6	17	21	9,5	8	11	12
LL	100	100	8	1/8"	WEK 08 LLR	22018840	22028840	2,2	20	23	11,5	8	12	14
L	250	315	6	1/8"	WEK 06 LR	22018815	22028815	2,8	20	27	12	8	12	14
L	250	315	6	1/4"	WEK 06 L1/4R	22018820	22028820	5,0	26	29	14	12	14	14
L	250	315	8	1/4"	WEK 08 LR	22018845	22028845	4,6	26	29	14	12	14	17
L	250	315	10	1/4"	WEK 10 LR	22018870	22028870	8,9	27	30	15	12	17	19
L	250	315	10	3/8"	WEK 10 L3/8R	22018865	22028865	6,8	27	30	15	12	17	19
L	250	315	12	1/4"	WEK 12 L1/4R	22018900	22028900	8,4	28	32	17	12	19	22
L	250	315	12	1/2"	WEK 12 L1/2R	22018895	22028895	8,9	34	32	17	12	19	22
L	250	315	12	3/8"	WEK 12 LR	22018905	22028905	8,9	28	32	17	12	19	22
L	250	315	15	1/2"	WEK 15 LR	22018950	22028950	8,9	34	36	21	14	19	27
L	250	315	15	3/8"	WEK 15 L 3/8R	22018946	22028946	8,9	34	36	21	14	19	27
L	160	315	18	1/2"	WEK 18 LR	22018970	22028970	12,0	36	40	23,5	14	14	32
L	160	160	22	3/4"	WEK 22 LR	22018984	22028984	15,7	42	44	27,5	16	27	36
L	160	160	28	1"	WEK 28 LR	22018994	22028994	28,6	48	47	30,5	18	36	41
L	160	160	35	1 1/4"	WEK 35 LR	22019002	22029002	46,0	54	56	34,5	20	41	50
L	160	160	42	1 1/2"	WEK 42 LR	22019010	22029010	56,8	61	63	40	22	50	60
S	630	630	6	1/4"	WEK 06 SR	22018830	22028830	5,4	26	31	16	12	14	17
S	630	630	8	1/4"	WEK 08 SR	22018855	22028855	7,7	27	32	17	12	17	19
S	630	630	10	3/8"	WEK 10 SR	22018880	22028880	10,1	28	34	17,5	12	19	22
S	630	630	12	3/8"	WEK 12 SR	22018925	22028925	12,7	28	38	21,5	12	22	24
S	630	630	14	1/2"	WEK 14 SR	22018940	22028940	10,6	32	40	22	14	19	27
S	400	400	16	1/2"	WEK 16 SR	22018960	22028960	13,6	32	43	24,5	14	24	30
S	400	400	20	3/4"	WEK 20 SR	22018979	22028979	19,7	42	48	26,5	16	27	36
S	400	400	25	1"	WEK 25 SR	22018989	22028989	36,5	48	54	30	18	36	46
S	250	400	30	1 1/4"	WEK 30 SR	22018998	22028998	50,8	54	62	35,5	20	41	50
S	250	315	38	1 1/2"	WEK 38 SR	22019006	22029006	80,5	61	72	41	22	50	60

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No

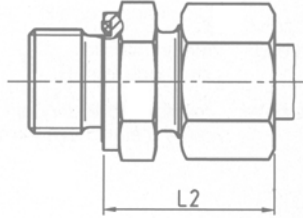
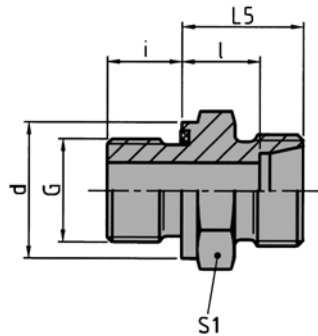
NOTE: Dim. 4 –18 with taper threads
Dim. 20 –42 with cylindrical threads

L2 = approximate length with nut tightened

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Male Stud Coupling – BSP (body only)



GEK

281

Serie	PN		Tube Ø ext.	G	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l	i	d	S1	L2
	St	SS												
LL	100	100	4	1/8"	GEK 04-LLR	22012200	22022200	1,1	13,5	9,5	8	14	14	19
LL	100	100	6	1/8"	GEK 06-LLR	22012220	22022220	1,1	13,5	8	8	14	14	19,5
LL	100	100	8	1/8"	GEK 08-LLR	22012288	22022288	1,2	14,5	9	8	14	14	20,5
L	500	315	6	1/8"	GEK 06-LR	22012244	22022244	1,4	15,5	8,5	8	14	14	23
L	500	315	8	1/4"	GEK 08-LR	22012316	22022316	2,7	17,0	10	12	18	19	23
L	500	315	10	1/4"	GEK 10-LR	22012400	22022400	2,9	18,0	11	12	18	19	26
L	400	315	12	3/8"	GEK 12-LR	22012516	22022516	4,3	19,5	12,5	12	22	22	27
L	400	315	15	1/2"	GEK 15-LR	22012628	22022628	6,7	21,0	14	14	26	27	29
L	400	315	18	1/2"	GEK 18-LR	22012708	22022708	7,1	22,0	14,5	14	26	27	31
L	250	160	22	3/4"	GEK 22-LR	22012788	22022788	10,2	24,0	16,5	16	32	32	33
L	250	160	28	1"	GEK 28-LR	22012852	22022852	16,8	25,0	17,5	18	39	41	34
L	250	160	35	1 1/4"	GEK 35-LR	22012908	22022908	27,6	28,0	17,5	20	49	50	39
L	250	160	42	1 1/2"	GEK 42-LR	22012956	22022956	35,2	30,0	19	22	55	55	42
L	800	630	6	1/4"	GEK 06-SR	22012272	22022272	3,6	20,0	13	12	18	19	28
L	800	630	8	1/4"	GEK 08-SR	22012352	22022352	4,1	22,0	15	12	18	19	30
L	800	630	10	3/8"	GEK 10-SR	22012448	22022448	5,7	22,5	15	12	22	22	31
S	630	630	12	3/8"	GEK 12-SR	22012564	22022564	6,3	24,0	17	12	22	22	33
S	630	630	14	1/2"	GEK 14-SR	22012588	22022588	9,6	27,0	19	14	26	27	37
S	630	400	16	1/2"	GEK 16-SR	22012668	22022668	9,1	27,0	18,5	14	26	27	37
S	400	400	20	3/4"	GEK 20-SR	22012752	22022752	14,9	31,0	20,5	16	32	32	42
S	400	400	25	1"	GEK 25-SR	22012820	22022820	26,9	35,0	23	18	39	41	47
S	400	400	30	1 1/4"	GEK 30-SR	22012884	22022884	41,8	37,0	23,5	20	49	50	50
S	400	315	38	1 1/2"	GEK 38-SR	22012932	22022932	56,7	42,0	26	22	55	55	57

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

Supplied with NBR e.d. seal on Mild Steel.

Supplied with Viton e.d. seal on Stainless Steel AISI 316. (Not LL-serie)

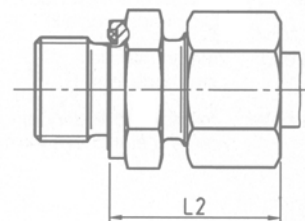
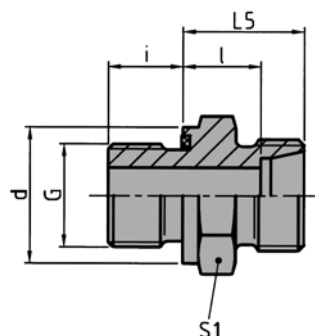
Bite Type Fittings

Male Stud Coupling – BSP (body only)

DIN 2353 (ISO 8434-1)

GEK

Male Stud Coupling with non-standard threads



282

Serie	PN		Tube Ø ext.	G	Part No	ID Code St	ID Code SS	Weight 100/pcs	L5	l	i	d	S1	L2
	St	SS												
L	500	315	6	1/4"	GEK 06 L 1/4" R	22012252	22022252	3,0	17	10	12	18	19	24,5
L	500	315	8	1/8"	GEK 08 L 1/8" R	22012312	22022312	1,7	16,5	11	8	14	14	23,5
L	400	315	8	3/8"	GEK 08 L 3/8" R	22012328	22022328	4,8	18,5	11,5	12	22	22	26
L	500	315	10	1/8"	*GEK 10 L 1/8" R	22012402	22022402	2,9	17,5	15	10	14	27	24
L	500	315	10	3/8"	GEK 10 L 3/8" R	22012412	22022412	4,0	19,5	12,5	12	22	22	27
L	500	315	10	1/2"	GEK 10 L 1/2" R	22012420	22022420	5,2	20	18	14	26	27	28
L	400	315	12	1/4"	GEK 12 L 1/4" R	22012504	22022504	3,5	19	17	12	18	19	26
L	400	315	12	1/2"	GEK 12 L 1/2" R	22012528	22022528	6,5	20	18	14	26	27	28
L	400	315	15	3/8"	GEK 15 L 3/8" R	22012616	22022616	4,9	20,5	18	12	22	24	28,5
L	400	315	15	3/4"	GEK 15 L 3/4" R	22012636	22022636	11,7	22	22	16	32	32	39
L	400	315	18	3/8"	GEK 18 L 3/8" R	22012718	22022718	6,8	22	18	12	22	27	30,5
L	250	315	18	3/4"	GEK 18 L 3/4" R	22012716	22022716	13,5	22	18	16	32	32	31
L	250	160	22	1/2"	GEK 22 L 1/2" R	22012780	22022780	8,7	24	18	14	26	32	33
L	250	160	22	1"	GEK 22 L 1" R	22012792	22022792	15,2	26	24	18	39	41	33
L	250	160	28	3/4"	GEK 28 L 3/4" R	22012844	22022844	14,3	25	18	16	32	41	34
L	250	160	35	1"	GEK 35 L 1" R	22012909	22022909	22,5	38	22	18	39	50	39
S	630	160	42	1 1/4"	*GEK 42 L 1 1/4" R	22012948	22022948	31,6	30	22	20	50	55	46
S	630	630	6	3/8"	*GEK 06 S 3/8" R	22012273	22022273	5,9	25	17	12	22	22	32,5
S	630	630	6	1/2"	*GEK 06 S 1/2" R	22012274	22022274	12,5	23	17	14	26	27	30
S	630	630	8	3/8"	*GEK 08 S 3/8" R	22012360	22022360	6,2	23	15,5	12	22	22	30,5
S	630	630	8	1/2"	GEK 08 S 1/2" R	22012362	22022362	13,0	26	18	14	27	27	33
S	630	630	10	1/2"	GEK 10 S 1/2" R	22012456	22022456	13,9	25	18	14	26	27	33,5
S	630	630	12	1/2"	GEK 12 S 1/2" R	22012572	22022572	9,5	25	18	14	26	27	34
S	630	400	16	3/8"	GEK 16 S 3/8" R	22012660	22022660	8,5	26,5	20	12	22	24	36,5
S	400	400	16	3/4"	GEK 16 S 3/4" R	22012676	22022676	15,5	29	22	16	32	32	43
S	420	400	20	1/2"	GEK 20 S 1/2" R	22012744	22022744	14,0	31	22	14	26	32	42
S	420	400	20	1"	GEK 20 S 1" R	22012756	22022756	24,0	33	25	18	39	41	44
S	420	400	25	3/4"	GEK 25 S 3/4" R	22012812	22022812	24,5	35	26	16	32	41	47
S	420	400	25	3/4"	*GEK 25 S 1 1/4" R	22012814	22022814	36,5	26	28	18	39	46	47
S	420	315	30	1"	GEK 30 S 1" R	22012876	22022876	34,2	37	30	20	49	55	50
S	420	315	38	1 1/4"	GEK 38 S 1 1/4" R	22012920	22022920	58,2	42	30	20	49	55	57

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

Supplied with NBR e.d. seal on Mild Steel.

Supplied with Viton e.d. seal on Stainless Steel AISI 316.

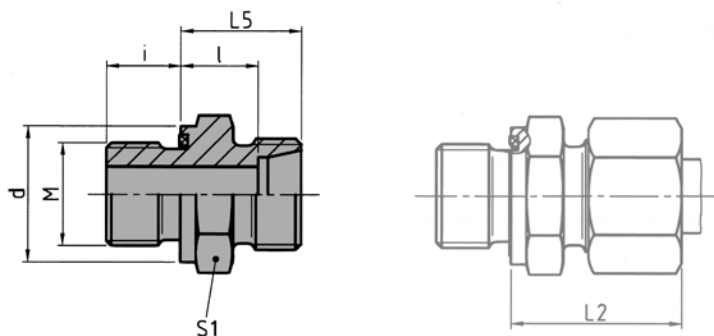
* = Without ED Seal

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Male Stud Coupling – Metric (body only)

GEK



283

Serie	PN		Tube Ø ext.	M	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l	i	d	S1	L2
	St	SS												
L	500	315	6	M10 x 1	GEK 06LM	22012228	22022228	1,4	15,5	8,5	8	14	14	23
L	500	315	8	M12 x 1,5	GEK 08LM	22012296	22022296	2,3	17,0	10	12	17	17	25
L	500	315	10	M14 x 1,5	GEK 10LM	22012384	22022384	2,9	18,0	11	12	19	19	26
L	500	315	10	M18 x 1,5	GEK 10LM 18x1,5	22012383	22022383	5,0	19,5	12,5	12	24	24	27
L	500	315	10	M22 x 1,5	GEK 10LM 22x1,5	22012388	22022388	7,6	20,0	13	14	27	27	27,5
L	400	315	12	M16 x 1,5	GEK 12LM	22012484	22022484	4,0	19,5	12,5	12	21,9	22	27
L	400	315	12	M18 x 1,5	GEK 12LM 18x1,5	22012488	22022488	4,7	19,5	12,5	12	24	24	27
L	400	315	12	M22 x 1,5	GEK 12LM 22x1,5	22012492	22022492	7,3	20,0	13	14	27	27	27,5
L	400	315	15	M18 x 1,5	GEK 15LM	22012604	22022604	5,2	20,5	13,5	12	23,9	24	29
L	400	315	15	M22 x 1,5	GEK 15LM 22x1,5	22012608	22022608	7,4	21,0	14	14	27	27	29
L	400	315	18	M18 x 1,5	GEK18LM 18x1,5	22012696	22022696	6,4	21,5	14	12	23,9	27	30
L	400	315	18	M22 x 1,5	GEK 18LM	22012700	22022700	7,6	22,0	14,5	14	27	27	31
L	250	160	22	M26 x 1,5	GEK 22LM	22012772	22022772	10,1	24,0	16,5	16	31,9	32	33
L	250	160	28	M33 x 2	GEK 28LM	22012836	22022836	16,7	25,0	17,5	18	39,9	41	34
L	250	160	35	M42 x 2	GEK 35LM	22012896	22022896	28,2	28,0	17,5	20	49,9	50	39
L	250	160	42	M48 x 2	GEK 42LM	22012944	22022944	35,8	30,0	19	22	55	55	42
S	800	630	6	M12 x 1,5	GEK 06SM	22012264	22022264	3,0	20,0	13	12	17	17	28
S	800	630	8	M14 x 1,5	GEK 08SM	22012344	22022344	4,3	22,0	15	12	19	19	30
S	800	630	10	M16 x 1,5	GEK 10SM	22012432	22022432	5,5	22,5	15	12	21,9	22	31
S	630	630	12	M18 x 1,5	GEK 12SM	22012548	22022548	7,2	24,5	17	12	23,9	24	28
S	630	630	14	M20 x 1,5	GEK 14SM	22012580	22022580	9,4	27,0	19	14	25,9	27	30
S	630	400	16	M22 x 1,5	GEK 16SM	22012652	22022652	9,8	27,0	18,5	14	27	27	31
S	400	400	20	M27 x 1,5	GEK 20SM	22012736	22022736	15,3	31,0	20,5	16	32	32	42
S	400	400	25	M33 x 2	GEK 25SM	22012804	22022804	26,9	35,0	23	18	39,9	41	47
S	250	400	30	M42 x 2	GEK 30SM	22012863	22022863	42,8	37,0	23,5	20	49,9	50	50
S	250	315	38	M48 x 2	GEK 38SM	22012916	22022916	57,5	42,0	26	22	55	55	57

Material: Mild Steel or Stainless Steel

L2 = approximate length with nut tightened

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

Supplied with NBR e.d. seal on Mild Steel.

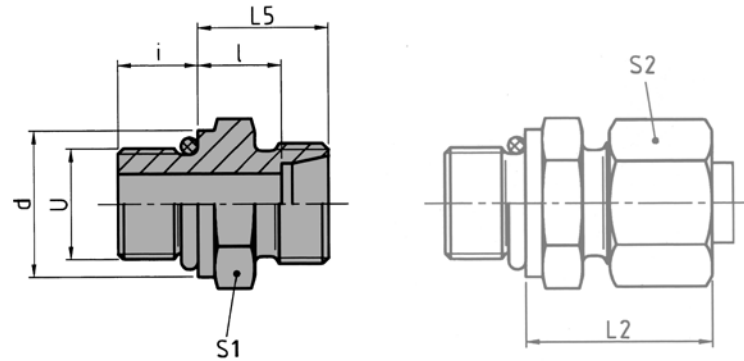
Supplied with Viton e.d. seal on Stainless Steel AISI 316.

Bite Type Fittings

Male Stud Coupling – UNF (body only)

DIN 2353 (ISO 8434-1)

GEK



284

Serie	PN		Tube Ø ext.	Part No	U	ID Code St	ID Code SS	Weight 100/pc	L2	l	i	d	S1	S2
	St	SS												
L	400	315	6	GEK 06L	9/16-18 UNF	22012216	22022216	3,7	25	10	10	17,6	19	14
L	400	315	8	GEK 08L	7/16-20 UNF	22012280	22022280	3,2	25	10	9	14,4	17	17
L	400	315	8	GEK 08L	9/16-18 UNF	22012284	22022284	3,7	25	10	10	17,6	19	17
L	400	315	10	GEK 10L	7/16-20 UNF	22012372	22022372	4,0	26	11	9	14,4	17	19
L	400	315	10	GEK 10L	9/16-18 UNF	22012376	22022376	4,6	26	11	10	17,6	19	19
L	400	315	10	GEK 10L	3/4-16 UNF	22012380	22022380	7,6	28	13	11	22,3	24	19
L	400	315	12	GEK 12L	9/16-18 UNF	22012476	22022476	6,1	26	11	10	17,6	19	22
L	400	315	12	GEK 12L	3/4-16 UNF	22012480	22022480	7,6	28	13	11	22,3	24	22
L	400	315	12	GEK 12L	7/8-14 UNF	22012472	22022472	8,8	29	14	12,7	25,5	27	22
L	400	315	15	GEK 15L	3/4-16 UNF	22012600	22022600	9,5	29	14	11	22,3	24	27
L	400	315	15	GEK 15L	7/8-14 UNF	22012569	22022569	11,0	30	15	12,7	25,5	27	27
L	400	315	18	GEK 18L	3/4-16 UNF	22012688	22022688	12,5	31	14,5	11	22,3	27	32
L	400	315	18	GEK 18L	7/8-14 UNF	22012692	22022692	13,2	31	14,5	12,7	25,5	27	32
L	250	160	22	GEK 22L	7/8-14 UNF	22012764	22022764	17,2	33	16,5	12,7	25,5	32	36
L	250	160	22	GEK 22L	1 1/16-12 UN	22012762	22022762	18,5	33	16,5	15	31,9	32	36
L	250	160	28	GEK 28L	7/8-14 UNF	22012828	22022828	22,0	34	17,5	12,7	25,5	41	41
L	250	160	28	GEK 28L	1 5/16-12 UN	22012826	22022826	25,0	34	17,5	15	38,2	41	41
L	250	160	35	GEK 35L	1 5/8-12 UNF	22012890	22022890	40,0	39	17,5	15	47,7	50	50
L	250	160	42	GEK 42L	1 5/8-12 UNF	22012940	22022940	46,2	42	19	15	47,7	55	55
S	630	630	12	GEK 12S	3/4-16 UNF	22012544	22022544	10,0	34	17,5	11	23,3	24	24
S	630	400	16	GEK 16S	3/4-16 UNF	22012644	22022644	13,0	34	15,5	11	23,3	24	30
S	630	400	16	GEK 16S	7/8-14 UNF	22012648	22022648	15,0	37	18,5	12,7	25,5	27	30
S	400	400	20	GEK 20S	3/4-16 UNF	22012724	22022724	22,0	42	20,5	11	22,3	32	36
S	400	400	20	GEK 20S	7/8-14 UNF	22012728	22022728	23,0	42	20,5	12,7	25,5	32	36
S	400	400	20	GEK 20S	1 1/16-12 UN	22012732	22022732	25,0	42	20,5	15	31,9	32	36
S	400	400	25	GEK 25S	1 5/16-12 UN	22012800	22022800	46,0	47	23	15	38,2	41	46
S	315	400	30	GEK 30S	1 5/8-12 UN	22012862	22022862	62,0	50	23,5	15	47,7	50	50

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

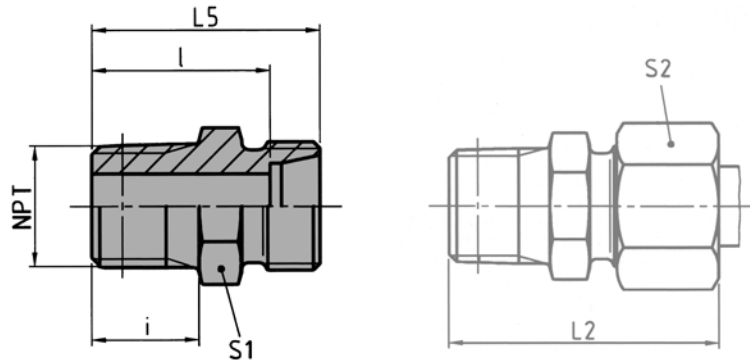
L2 = approximate length with nut tightened

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Male Stud Coupling – NPT (body only)

GEK



285

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L2	L	i	S1	S2
	St	SS										
LL	100	100	4	GEK 04LL 1/8NPT	22012197	22022197	1,5	28	18	10	11	10
LL	100	100	6	GEK 06LL 1/8NPT	22012210	22022210	1,5	28	16,5	10	11	12
LL	100	100	8	GEK 08LL 1/8NPT	22012275	22022275	2,0	30	18,5	10	12	14
L	315	315	6	GEK 06L 1/8NPT	22012208	22022208	2,6	32	17	10	12	14
L	315	315	6	GEK 06L 1/4NPT	22012212	22022212	3,9	38	23	15	17	14
L	315	315	8	GEK 08L 1/4NPT	22012276	22022276	4,0	38	23	15	17	17
L	315	315	10	GEK 10L 1/4NPT	22012364	22022364	4,8	39	24	15	17	19
L	315	315	10	GEK 10L 3/8NPT	22012368	22022368	6,0	40	25	15	19	19
L	315	315	12	GEK 12L 1/4NPT	22012460	22022460	6,0	40	25	15	19	22
L	315	315	12	GEK 12L 3/8NPT	22012464	22022464	6,5	40	25	15	19	22
L	315	315	12	GEK 12L 1/2NPT	22012468	22022468	8,5	45	30	20	24	22
L	315	315	15	GEK 15L 1/2NPT	22012592	22022592	11,0	46	31	20	24	27
L	315	315	18	GEK 18L 1/2NPT	22012684	22022684	13,5	48	31,5	20	27	32
L	160	160	22	GEK 22L 3/4NPT	22012760	22022760	19,0	50	33,5	20	32	36
L	160	160	28	GEK 28L 1 NPT	22012824	22022824	27,5	56	39,5	25	41	41
L	160	160	35	GEK 35L 1 1/4 NPT	22012888	22022888	40,5	62	40,5	26	46	50
S	160	160	42	GEK 42L 1 1/2 NPT	22012936	22022936	57,0	65	42	26	55	60
S	630	630	6	GEK 06S 1/4 NPT	22012260	22022260	5,0	43	28	15	17	17
S	630	630	8	GEK 08S 1/4 NPT	22012340	22022340	5,5	43	28	15	17	19
S	630	630	10	GEK 10S 1/4 NPT	22012424	22022424	8,5	44	27,5	15	19	22
S	630	630	10	GEK 10S 3/8 NPT	22012428	22022428	8,0	44	27,5	15	19	22
S	630	630	12	GEK 12S 1/4 NPT	22012532	22022532	9,5	46	29,5	15	22	24
S	630	630	12	GEK 12S 3/8 NPT	22012536	22022536	10,0	46	29,5	15	22	24
S	630	630	12	GEK 12S 1/2NPT	22012540	22022540	12,5	51	34,5	20	22	24
S	630	630	14	GEK 14S 1/2NPT	22012576	22022576	15,5	54	36	20	24	27
S	400	400	16	GEK 16S 1/2NPT	22012640	22022640	16,0	54	35,5	20	27	30
S	400	400	20	GEK 20S 3/4NPT	22012720	22022720	25,0	59	37,5	20	32	36
S	400	400	25	GEK 25S 1 NPT	22012769	22022769	47,5	69	45	25	41	46
S	400	400	30	GEK 30S 1 1/4 NPT	22012860	22022860	62,0	73	46,5	26	46	50
S	315	315	38	GEK 38S 1 1/2 NPT	22012912	22022912	89,0	80	49	26	55	60

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

Supplied with NBR e.d. seal on Mild Steel.

Supplied with Viton e.d. seal on Stainless Steel AISI 316.

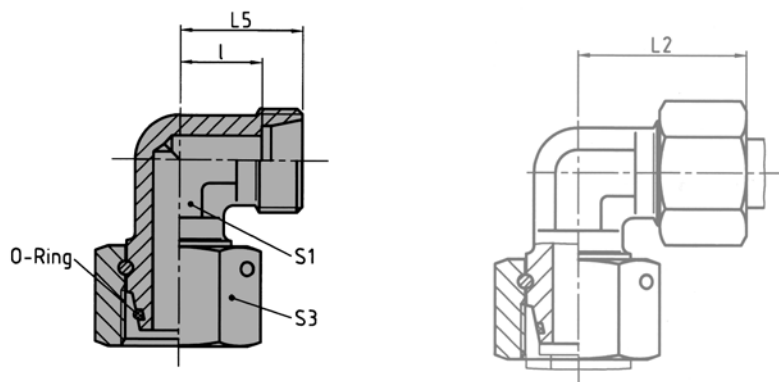
L2 = approximate length with nut tightened

Bite Type Fittings

Adjustable Male Stud Elbow (body only)

DIN 2353 (ISO 8434-1)

evWK



286

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	l	S1	S3	L2	*O-Ring
	St	SS											
L	500	315	6	evWK 06 L	22011700	22021700	6,0	21	14	14	17	29	4,5x15
L	500	315	8	evWK 08 L	22011706	22021706	6,0	21	14	14	17	29	6,0x1,5
L	500	315	10	evWK 10 L	22011712	22021712	7,5	22	15	17	19	30	8,5x1,5
L	400	315	12	evWK 12 L	22011718	22021718	11,0	24	17	19	22	32	10,0x1,5
L	400	315	15	evWK 15 L	22011727	22021727	12,0	28	21	19	27	36	13,0x1,5
L	400	315	18	evWK 18 L	22011733	22021733	18,0	31	23,5	24	32	40	16,0x1,5
L	250	160	22	evWK 22 L	22011739	22021739	24,0	35	27,5	27	36	44	20,0x2,0
L	250	160	28	evWK 28 L	22011745	22021745	42,0	38	30,5	36	46	47	26,0x2,0
L	250	160	35	evWK 35 L	22011751	22021751	55,5	45	34,5	41	50	56	32,0x2,5
L	250	160	42	evWK 42 L	22011757	22021757	84,4	51	40	50	60	63	38,0x2,5
S	800	630	6	evWK 06 S	22011703	22021703	6,0	23	16	14	17	31	4,5x1,5
S	800	630	8	evWK 08 S	22011709	22021709	8,5	24	17	17	19	32	6,0x1,5
S	800	630	10	evWK 10 S	22011715	22021715	12,0	25	17,5	19	22	34	8,5x1,5
S	630	630	12	evWK 12 S	22011721	22021721	11,0	29	21,5	22	24	38	10,0x1,5
S	630	630	14	evWK 14 S	22011724	22021724	14,5	30	22	19	27	40	12,0x2,0
S	630	400	16	evWK 16 S	22011730	22021730	19,0	33	24,5	24	30	43	14,0x2,0
S	400	400	20	evWK 20 S	22011736	22021736	29,5	37	26,5	27	36	48	17,3x2,4
S	400	400	25	evWK 25 S	22011742	22021742	53,5	42	30	36	46	54	22,3x2,4
S	400	400	30	evWK 30 S	22011748	22021748	72,0	49	35,5	41	50	62	27,3x2,4
S	400	315	38	evWK 38 S	22011754	22021754	106,0	57	41	50	60	72	35,0x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

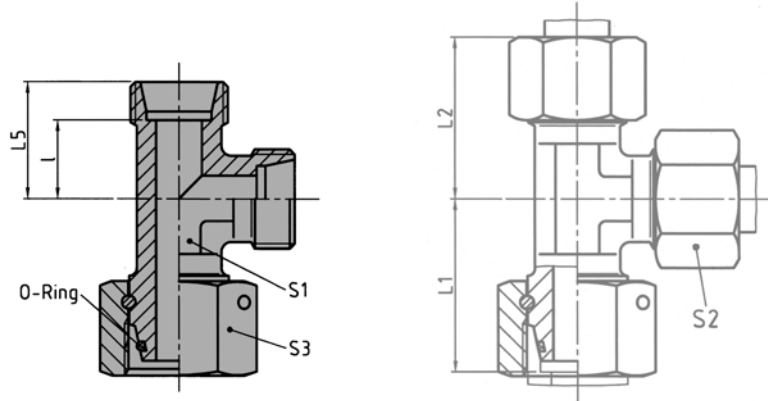
Other material on request.

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Adjustable Male Stud Tee-stud Barrel (body only)

evLK



287

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L1	L2	I	S1	S2	S3	*O-Ring
	St	SS												
L	500	315	6	evLK 06 L	22011100	22021100	4,6	26	29	14	14	14	17	4,5x15
L	500	315	8	evLK 08 L	22011106	22021106	7,0	27,5	29	14	14	17	17	6,0x1,5
L	500	315	10	evLK 10 L	22011112	22021112	9,0	29	30	15	17	19	19	8,5x1,5
L	400	315	12	evLK 12 L	22011118	22021118	12,5	29,5	32	17	19	22	22	10,0x1,5
L	400	315	15	evLK 15 L	22011127	22021127	13,1	32,5	36	21	19	27	27	13,0x1,5
L	400	315	18	evLK 18 L	22011133	22021133	20,5	35,5	40	23,5	24	32	32	16,0x1,5
L	250	160	22	evLK 22 L	22011139	22021139	28,0	38,5	44	27,5	27	36	36	20,0x2,0
L	250	160	28	evLK 28 L	22011145	22021145	49,0	41,5	47	30,5	36	41	46	26,0x2,0
L	250	160	35	evLK 35 L	22011151	22021151	65,0	51	56	34,5	41	50	50	32,0x2,5
L	250	160	42	evLK 42 L	22011157	22021157	100,0	56	63	40	50	60	60	38,0x2,5
S	800	630	6	evLK 06 S	22011103	22021103	8,0	27	31	16	14	17	17	4,5x1,5
S	800	630	8	evLK 08 S	22011109	22021109	11,0	27,5	32	17	17	19	19	6,0x1,5
S	800	630	10	evLK 10 S	22011115	22021115	14,0	30	34	17,5	19	22	22	8,5x1,5
S	630	630	12	evLK 12 S	22011121	22021121	19,0	31	38	21,5	22	24	24	10,0x1,5
S	630	630	14	evLK 14 S	22011124	22021124	16,5	35	40	22	19	27	27	12,0x2,0
S	630	400	16	evLK 16 S	22011130	22021130	23,5	36,5	43	24,5	24	30	30	14,0x2,0
S	400	400	20	evLK 20 S	22011136	22021136	35,5	44,5	48	26,5	27	36	36	17,3x2,4
S	400	400	25	evLK 25 S	22011142	22021142	63,5	50	54	30	36	46	46	22,3x2,4
S	400	400	30	evLK 30 S	22011148	22021148	88,0	55	62	35,5	41	50	50	27,3x2,4
S	400	315	38	evLK 38 S	22011154	22021154	130,0	63	72	41	50	60	60	35,0x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

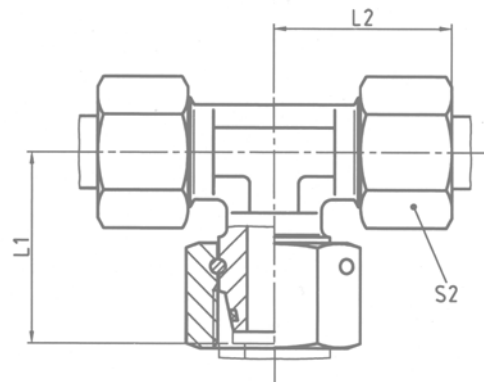
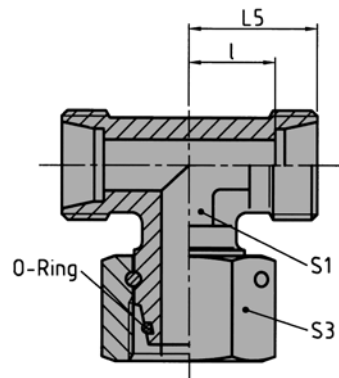
L1 and L2 = approximate length with nut tightened

Bite Type Fittings

Adjustable Equal Tee (body only)

DIN 2353 (ISO 8434-1)

evTK



288

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L2	I	S1	S2	S3	*O-Ring
	St	SS												
L	500	315	6	evTK 06 L	22011500	22021500	3,2	26	29	14	14	14	17	4,5x15
L	500	315	8	evTK 08 L	22011506	22021506	6,5	27,5	29	14	14	17	17	6,0x1,5
L	500	315	10	evTK 10 L	22011512	22021512	9,5	29	30	15	17	19	19	8,5x1,5
L	400	315	12	evTK 12 L	22011518	22021518	12,5	29,5	32	17	19	22	22	10,0x1,5
L	400	315	15	evTK 15 L	22011527	22021527	14,0	32,5	36	21	19	27	27	13,0x1,5
L	400	315	18	evTK 18 L	22011533	22021533	21,5	35,5	40	23,5	24	32	32	16,0x1,5
L	250	160	22	evTK 22 L	22011539	22021539	28,0	38,5	44	27,5	27	36	36	20,0x2,0
L	250	160	28	evTK 28 L	22011545	22021545	49,0	41,5	47	30,5	36	41	46	26,0x2,0
L	250	160	35	evTK 35 L	22011551	22021551	60,9	51	56	34,5	41	50	50	32,0x2,5
L	250	160	42	evTK 42 L	22011557	22021557	89,2	56	63	40	50	60	60	38,0x2,5
S	800	630	6	evTK 06 S	22011503	22021503	8,0	27	31	16	14	17	17	4,5x1,5
S	800	630	8	evTK 08 S	22011509	22021509	10,5	27,5	32	17	17	19	19	6,0x1,5
S	800	630	10	evTK 10 S	22011515	22021515	14,0	30	34	17,5	19	22	22	8,5x1,5
S	630	630	12	evTK 12 S	22011521	22021521	19,0	31	38	21,5	22	24	24	10,0x1,5
S	630	630	14	evTK 14 S	22011524	22021524	16,9	35	40	22	19	27	27	12,0x2,0
S	630	400	16	evTK 16 S	22011530	22021530	23,0	36,5	43	24,5	24	30	30	14,0x2,0
S	400	400	20	evTK 20 S	22011536	22021536	35,0	44,5	48	26,5	27	36	36	17,3x2,4
S	400	400	25	evTK 25 S	22011542	22021542	63,5	50	54	30	36	46	46	22,3x2,4
S	400	400	30	evTK 30 S	22011548	22021548	87,0	55	62	35,5	41	50	50	27,3x2,4
S	400	315	38	evTK 38 S	22011554	22021554	131,0	63	72	41	50	60	60	35,0x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

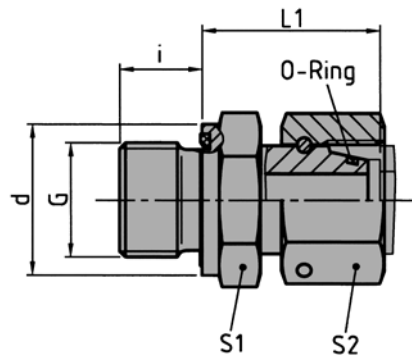
L2 = approximate length with nut tightened

Bite Type Fittings

Stud Standpipe Adaptor

DIN 2353 (ISO 8434-1)

evGE



289

Serie	PN		Tube Ø ext.	G	Part No	ID Code St	ID Code SS	Weight 100/pc	L1	i	d	S1	S2	*O-Ring
	St	SS												
L	500	315	6	1/8"	evGE 06 LR	22010803	22020803	3,6	24,5	8	14	14	17	4,5x15
L	500	315	6	1/4"	evGE 06L 1/4"R			4,2	24,5	12	18,9	19	17	4,5x1,5
L	500	315	8	1/4"	evGE 08 LR	22010815	22020815	5,7	29,5	12	18,9	19	17	6,0x1,5
L	500	315	10	1/4"	evGE 10 LR	22010827	22020827	5,8	27,5	12	18,9	19	19	8,5x1,5
L	400	315	12	1/4"	evGE 12 L1/4" R	22010839	22020839	6,8	27,5	12	18,9	19	22	10,0x1,5
L	400	315	12	3/8"	evGE 12 LR	22010842	22020842	7,5	34	12	22	22	22	10,0x1,5
L	400	315	12	1/2"	evGE 12L 1/2"R	22010851	22020851	10,7	34	14	26	27	22	10,0x1,5
L	400	315	15	3/8"	evGE 15L 3/8"R			13,3	32	12	26,9	27	27	13,0x1,5
L	400	315	15	1/2"	evGE 15 LR	22010863	22020863	14,4	32	14	26,9	27	27	13,0x1,5
L	400	315	18	1/2"	evGE 18 LR	22010875	22020875	15,2	31,5	14	26,9	27	32	16,0x1,5
L	250	160	22	3/4"	evGE 22 LR	22010887	22020887	20,2	32,5	16	32	32	36	20,0x2,0
L	250	160	28	1"	evGE 28 LR	22010899	22020899	35,6	35	18	39,9	41	46	26,0x2,0
L	250	160	35	1 1/4"	evGE 35 LR	22010911	22020911	50,7	42,5	20	49,9	50	50	32,0x2,5
L	250	160	42	1 1/2"	evGE 42 LR	22010423	22020423	66,4	46,5	22	55	55	60	38,0x2,5
S	800	630	6	1/4"	evGE 06 SR	22010809	22020809	5,6	27	12	18,9	19	17	4,5x1,5
S	800	630	8	1/4"	evGE 08 SR	22010814	22020814	6,2	29,5	12	18,9	19	19	6,0x1,5
S	800	630	10	3/8"	evGE 10 SR	22010833	22020833	9,2	32	12	22	22	22	8,5x1,5
S	630	630	12	3/8"	evGE 12 SR	22010848	22020848	11,0	34	12	22	22	24	10,0x1,5
S	630	630	12	1/2"	evGE 12 S1/2"R	22010851	22020851	15,3	34,5	14	26,9	27	24	10,0x1,5
S	630	630	14	1/2"	evGE 14 SR	22010857	22020857	17,0	36,5	14	26,9	27	27	12,0x2,0
S	630	400	16	1/2"	evGE 16 SR	22010869	22020869	23,0	37	14	26,9	27	30	14,0x2,0
S	400	400	20	3/4"	evGE 20 SR	22010881	22020881	28,6	43	16	32	32	36	17,3x2,4
S	400	400	25	1"	evGE 25 SR	22010893	22020893	49,4	48	18	39,9	41	46	22,3x2,4
S	400	400	30	1 1/4"	evGE 30 SR	22010905	22020905	67,4	51	20	49,9	50	50	27,3x2,4
S	400	315	38	1 1/2"	evGE 38 SR	22010917	22020917	93,1	60	22	55	55	60	35,0x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

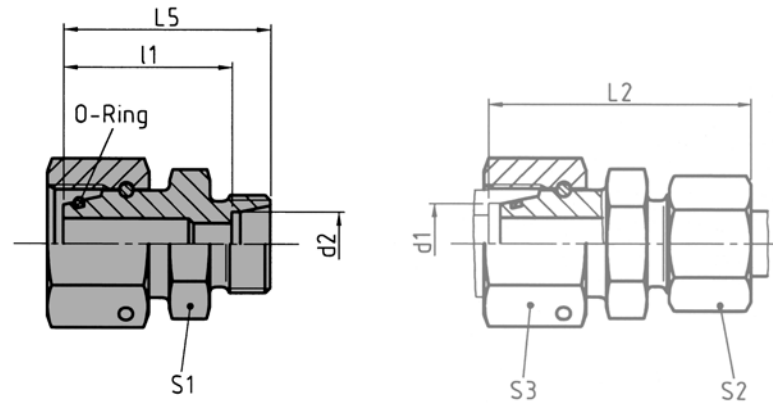
*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

L1 = approximate length with nut tightened

KORK



290

PN		Tube Ø		Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L2	l	S1	S2	S3	*O-Ring
St	SS	d1	d2											
500	315	8	6	KORK 08/06 L	22015700	22025700	3,2	30	37,5	23	12	14	17	6,0x1,5
500	315	10	6	KORK 10/06 L	22015706	22025706	4,0	31,5	39	24,5	14	14	19	8,5x1,5
500	315	10	8	KORK 10/08 L	22015712	22025712	4,0	31,5	39,5	24,5	14	17	19	8,5x1,5
400	315	12	6	KORK 12/06 L	22015718	22025718	6,0	32	39,5	25	17	14	22	10,0x1,5
400	315	12	8	KORK 12/08 L	22015724	22025724	5,5	32	40	25	17	17	22	10,0x1,5
400	315	12	10	KORK 12/10 L	22015730	22025730	5,5	33	41	26	17	19	22	10,0x1,5
400	315	15	6	KORK 15/06 L	22015748	22025748	8,5	33,5	41	26,5	22	14	27	13,0x1,5
400	315	15	8	KORK 15/08 L	22015751	22025751	8	33,5	41,5	26,5	22	17	27	13,0x1,5
400	315	15	10	KORK 15/10 L	22015754	22025754	9,0	34,5	42,5	27,5	22	19	27	13,0x1,5
400	315	15	12	KORK 15/12 L	22015757	22025757	9,0	34,5	42	27,5	22	22	27	13,0x1,5
400	315	18	6	KORK 18/06 L	22015775	22025775	11,5	35,5	43	28,5	24	14	32	16,0x1,5
400	315	18	8	KORK 18/08 L	22015778	22025778	11,5	35,5	43,5	28,5	24	17	32	16,0x1,5
400	315	18	10	KORK 18/10 L	22015781	22025781	13,0	36,5	44,5	29,5	24	19	32	16,0x1,5
400	315	18	12	KORK 18/12 L	22015784	22025784	12,5	36,5	44	29,5	24	22	32	16,0x1,5
400	315	18	15	KORK 18/15 L	22015787	22025787	13,0	37,5	46	30,5	24	27	32	16,0x1,5
250	160	22	6	KORK 22/06 L	22015808	22025808	16,0	38	45,5	31	27	14	36	20,0x2,0
250	160	22	8	KORK 22/08 L	22015811	22025811	16,0	38	46	31	27	17	36	20,0x2,0
250	160	22	10	KORK 22/10 L	22015814	22025814	16,0	39	47	32	27	19	36	20,0x2,0
250	160	22	12	KORK 22/12 L	22015817	22025817	16,0	39	46,5	32	27	22	36	20,0x2,0
250	160	22	15	KORK 22/15 L	22015820	22025820	18,5	40	48,5	33	27	27	36	20,0x2,0
250	160	22	18	KORK 22/18 L	22015823	22025823	18,0	40	49	32,5	27	32	36	20,0x2,0

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

L2 = approximate length with nut tightened

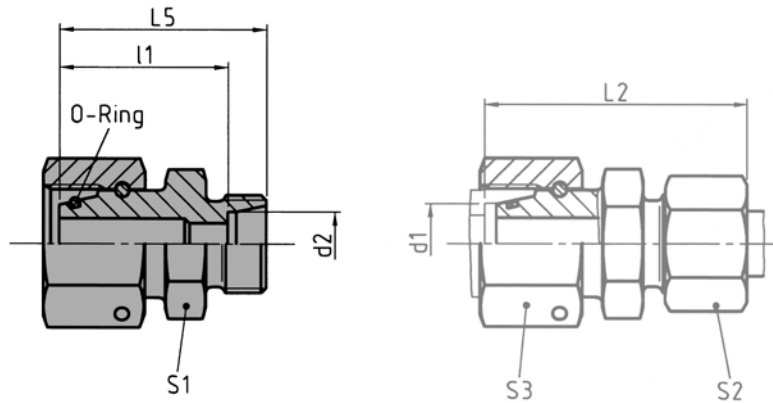
Continue next page

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Reducing Fitting – L-Serie (body only)

KORK



291

PN		Tube Ø		Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L2	l	S1	S2	S3	*O-Ring
St	SS	d1	d2											
250	160	28	6	KORK 28/06 L	22015847	22025847	29,0	38	42,5	31	36	14	46	26x2,0
250	160	28	8	KORK 28/08 L	22015850	22025850	29,0	39	47	32	36	17	46	26x2,0
250	160	28	10	KORK 28/10 L	22015853	22025853	27,5	40	48	33	36	19	46	26x2,0
250	160	28	12	KORK 28/12 L	22015856	22025856	28,0	40	47,5	33	36	22	46	26x2,0
250	160	28	15	KORK 28/15 L	22015859	22025859	28,0	41	49,5	34	36	27	46	26x2,0
250	160	28	18	KORK 28/18 L	22015862	22025862	28,5	41	50	33,5	36	32	46	26x2,0
250	160	28	22	KORK 28/22 L	22015865	22025865	31,0	43	52	35,5	36	36	46	26x2,0
250	160	35	6	KORK 35/06 L	22015892	22025892	35,0	43	50,5	36	46	14	50	32x2,5
250	160	35	8	KORK 35/08 L	22015895	22025895	32,4	43	51	36	46	17	50	32x2,5
250	160	35	10	KORK 35/10 L	22015898	22025898	36,0	44	52	37	46	19	50	32x2,5
250	160	35	12	KORK 35/12 L	22015901	22025901	33,5	44	51,5	37	46	22	50	32x2,5
250	160	35	15	KORK 35/15 L	22015904	22025904	34,0	45	53,5	38	46	27	50	32x2,5
250	160	35	18	KORK 35/18 L	22015907	22025907	34,5	45	54	37,5	46	32	50	32x2,5
250	160	35	22	KORK 35/22 L	22015910	22025910	35,0	47	56	39,5	46	36	50	32x2,5
250	160	35	28	KORK 35/28 L	22015913	22025913	37,0	47	56	39,5	46	41	50	32x2,5
250	160	42	6	KORK 42/06 L	22015943	22025943	49,5	45	52,5	38	50	14	50	38x2,5
250	160	42	8	KORK 42/08 L	22015946	22025946	51,8	45	53	38	50	17	60	38x2,5
250	160	42	10	KORK 42/10 L	22015949	22025949	50,0	46	54	39	50	19	60	38x2,5
250	160	42	12	KORK 42/12 L	22015952	22025952	50,0	46	53,5	39	50	22	60	38x2,5
250	160	42	15	KORK 42/15 L	22015955	22025955	46,0	47	55,5	40	50	27	60	38x2,5
250	160	42	18	KORK 42/18 L	22015958	22025958	46,5	47	56	39,5	50	32	60	38x2,5
250	160	42	22	KORK 42/22 L	22015961	22025961	48,5	49	58	41,5	50	36	60	38x2,5
250	160	42	28	KORK 42/28 L	22015964	22025964	49,5	49	58	41,5	50	41	60	38x2,5
250	160	42	35	KORK 42/35 L	22015967	22025967	55,0	50,5	61,5	40	50	50	60	38x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add 316 to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

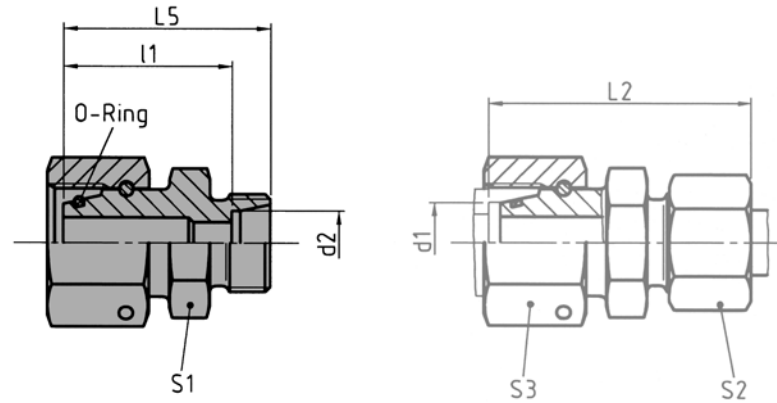
L2 = approximate length with nut tightened

Bite Type Fittings

Reducing Fitting – S-Serie (body only)

DIN 2353 (ISO 8434-1)

KORK



292

PN		Tube Ø		Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L2	l	S1	S2	S3	*O-Ring
St	SS	d1	d2											
800	630	8	6	KORK 08/06 S	22015703	22025703	4,5	35	43	28	14	17	19	6x1,5
800	630	10	6	KORK 10/06 S	22015709	22025709	6,5	37,5	45,5	30,5	17	17	22	8,5x1,5
800	630	10	8	KORK 10/08 S	22015715	22025715	6,5	37,5	45,5	30,5	17	19	22	8,5x1,5
630	630	12	6	KORK 12/06 S	22015721	22025721	8,5	38	46	31	19	17	24	10x1,5
630	630	12	8	KORK 12/08 S	22015727	22025727	8,5	38	46	31	19	19	24	10x1,5
630	630	12	10	KORK 12/10 S	22015733	22025733	8,5	38	46,5	30,5	19	22	24	10x1,5
630	630	14	6	KORK 14/06 S	22015736	22025736	11,1	40,5	48,5	33,5	22	17	27	12x2,0
630	630	14	8	KORK 14/08 S	22015739	22025739	11,5	40,5	48,5	33,5	22	19	27	12x2,0
630	630	14	10	KORK 14/10 S	22015742	22025742	10,2	40,5	49	33	22	22	27	12x2,0
630	630	14	12	KORK 14/12 S	22015745	22025745	10,8	40,5	49	33	22	24	27	12x2,0
630	630	16	6	KORK 16/06 S	22015760	22025760	11,5	41	49	34	22	17	30	14x2,0
630	630	16	8	KORK 16/08 S	22015763	22025763	12,0	41	49	34	22	19	30	14x2,0
630	630	16	10	KORK 16/10 S	22015766	22025766	13,0	41	49,5	33,5	22	22	30	14x2,0
630	630	16	12	KORK 16/12 S	22015769	22025769	13,0	41	49,5	33,5	22	24	30	14x2,0
630	630	16	14	KORK 16/14 S	22015772	22025772	13,0	43	53	35	24	27	30	14x2,0
630	630	20	6	KORK 20/06 S	22015790	22025790	16,2	45,5	53,5	38,5	27	17	36	17,3x2,4
400	400	20	8	KORK 20/08 S	22015793	22025793	18,5	45,5	53,5	38,5	27	19	36	17,3x2,4
400	400	20	10	KORK 20/10 S	22015796	22025796	18,5	45,5	54	38	27	22	36	17,3x2,4
400	400	20	12	KORK 20/12 S	22015799	22025799	19,0	45,5	54	38	27	24	36	17,3x2,4
400	400	20	14	KORK 20/14 S	22015802	22025802	24,0	47,5	57,2	39	27	27	36	17,3x2,4
400	400	20	16	KORK 20/16 S	22015805	22025805	20,5	47,5	57,5	39	27	30	36	17,3x2,4

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

L2 = approximate length with nut tightened

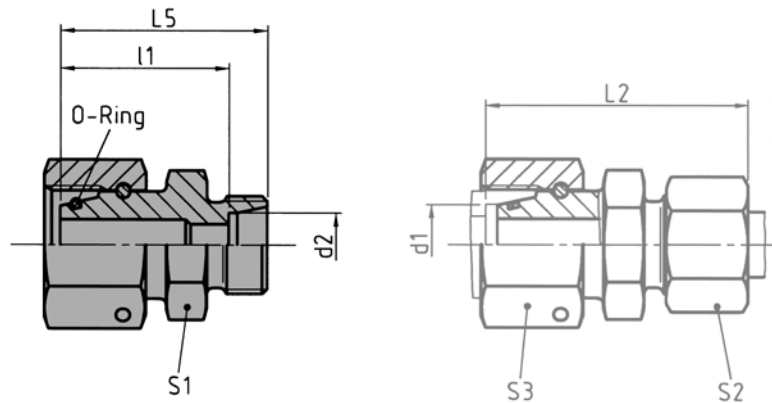
Continue next page

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Reducing Fitting – S-Serie (body only)

KORK



293

PN		Tube Ø		Part No	ID Code St	ID Code SS	Weight 100/pc	L5	L2	l	S1	S2	S3	*O-Ring
St	SS	d1	d2											
400	400	25	6	KORK 25/6 S	22015826	22025826	33,0	49	57	42	36	17	46	22,3x2,4
400	400	25	8	KORK 25/8 S	22015829	22025829	33,0	49	57	42	36	19	46	22,3x2,4
400	400	25	10	KORK 25/10 S	22015832	22025832	33,0	59	57,5	41,5	36	22	46	22,3x2,4
400	400	25	12	KORK 25/12 S	22015835	22025835	33,5	49	57,5	41,5	36	24	46	22,3x2,4
400	400	25	14	KORK 25/14 S	22015838	22025838	34,0	51	61	43	36	27	46	22,3x2,4
400	400	25	16	KORK 25/16 S	22015841	22025841	34,0	51	61	42,5	36	30	46	22,3x2,4
400	400	25	20	KORK 25/20 S	22015844	22025844	35,0	53	64	42,5	36	36	46	22,3x2,4
400	400	30	6	KORK 30/6 S	22015868	22025868	40,5	53	61	46	41	17	50	27,3x2,4
400	400	30	8	KORK 30/8 S	22015871	22025871	41,0	53	61	46	41	19	50	27,3x2,4
400	400	30	10	KORK 30/10 S	22015874	22025874	41,5	53	61,5	45,5	41	22	50	27,3x2,4
400	400	30	12	KORK 30/12 S	22015877	22025877	41,5	53	61,5	45,5	41	24	50	27,3x2,4
400	400	30	14	KORK 30/14 S	22015880	22025880	47,0	55	65	47	41	27	50	27,3x2,4
400	400	30	16	KORK 30/16 S	22015883	22025883	41,5	55	65	46,5	41	30	50	27,3x2,4
400	400	30	20	KORK 30/20 S	22015886	22025886	43,0	57	68	46,5	41	36	50	27,3x2,4
400	400	30	25	KORK 30/25 S	22015889	22025889	46,0	59	71	47	41	46	50	27,3x2,4
400	315	30	6	KORK 38/6 S	22015916	22025916	57,0	56,5	64,5	49,5	50	17	60	35,0x2,5
400	315	38	8	KORK 38/8 S	22015919	22025919	57,5	56,5	64,5	49,5	50	19	60	35,0x2,5
400	315	38	10	KORK 38/10 S	22015922	22025922	58,0	56,5	65	49	50	22	60	35,0x2,5
400	315	38	12	KORK 38/12 S	22015925	22025925	57,5	58,5	65	49	50	24	60	35,0x2,5
400	315	38	14	KORK 38/14 S	22015928	22025928	67,3	58,5	68,5	50,5	50	27	60	35,0x2,5
400	315	38	16	KORK 38/16 S	22015931	22025931	58,5	58,5	68,5	50	50	30	60	35,0x2,5
400	315	38	20	KORK 38/20 S	22015934	22025934	59,0	60,5	71,5	50	50	36	60	35,0x2,5
400	315	38	25	KORK 38/25 S	22015937	22025937	61,0	62,5	74,5	50,5	50	46	60	35,0x2,5
400	315	38	30	KORK 38/30 S	22015940	22025940	67,5	64,5	77,5	51	50	50	60	35,0x2,5

Material: Mild Steel or Stainless Steel

L2 = approximate length with nut tightened

Part No is for Mild Steel.

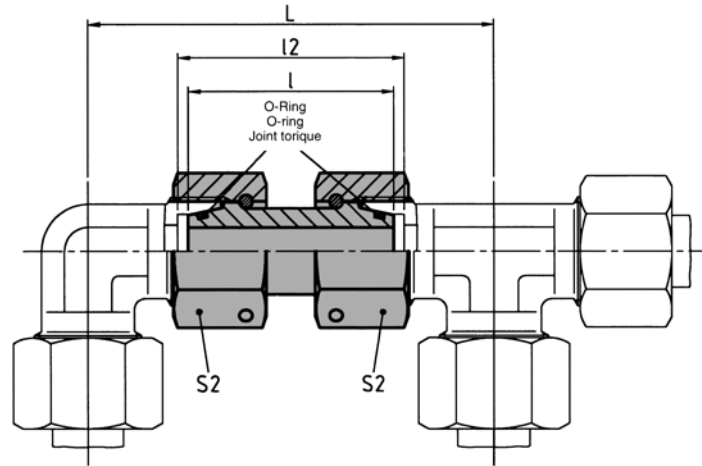
When ordering Stainless Steel, add **316** to below Part No.

*) Supplied with fitted O-ring. (Perbunan) - Mild Steel

Supplied with Viton O-ring on Stainless Steel AISI 316

Other material on request.

SNV



NOTE! Nuts on either side are retractable to back of O-ring groove, but only one at a time

294

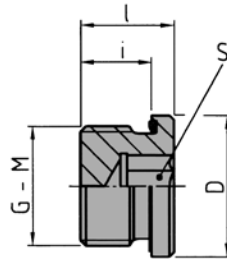
Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	L	l	l2	S2	O-Ring
	St	SS									
L	500	315	6	SNV 06-L	22017100	22027100	60	34	36	17	4.5 x 1.5
L	500	315	8	SNV 08-L	22017109	22027109	64	34	36	17	6.0 x 1.5
L	500	315	10	SNV 10-L	22017118	22027118	67	36	37	19	8.5 x 1.5
L	400	315	12	SNV 12-L	22017127	22027127	71	36	37	22	10 x 1.5
L	400	315	15	SNV 15-L	22017139	22027139	82	39	40	27	12 x 2.0
L	400	315	18	SNV 18-L	22017148	22027148	89.5	40.5	42.5	32	15 x 2.0
L	250	160	22	SNV 22-L	22017160	22027160	101.5	45	46.5	36	20 x 2.0
L	250	160	28	SNV 28-L	22017172	22027172	109.5	47	48.5	46	26 x 2.0
L	250	160	35	SNV 35-L	22017184	22027184	126.5	53	57.5	50	32 x 2.5
L	250	160	42	SNV 42-L	22017196	22027196	138.5	53	58.5	60	38 x 2.5
S	800	630	6	SNV 06-S	22017106	22027106	71	37	39	17	4.5 x 1.5
S	800	630	8	SNV 08-S	22017115	22027115	73	37	39	19	6.0 x 1.5
S	800	630	10	SNV 10-S	22017124	22027124	78	41	43	22	8.5 x 1.5
S	630	630	12	SNV 12-S	22017133	22027133	87	42	44	24	10 x 1.5
S	630	630	14	SNV 14-S	22017136	22027136	92	45	48	27	12 x 2.0
S	630	400	16	SNV 16-S	22017142	22027142	99	46	50	30	14 x 2.0
S	420	400	20	SNV 20-S	22017154	22027154	112.5	55	59.5	36	17.3 x 2.4
S	420	400	25	SNV 25-S	22017166	22027166	125.5	58	65.5	46	22.3 x 2.4
S	400	400	30	SNV 30-S	22017178	22027178	143.5	62	72.5	50	27.3 x 2.4
S	400	315	38	SNV 35-S	22017190	22027190	164.5	67	82.5	60	35 x 2.5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

VSTI



295

PN		G-M	Part No	ID Code St	ID Code SS	Weight 100/pc	D	l	i	S
St	SS									
400	400	G 1/8"R	VSTI 1/8" R WD	22018100	22028100	0,6	14	12	8	5
400	400	G 1/4"R	VSTI 1/4" R WD	22018103	22028103	1,4	18,9	17	12	6
400	400	G 3/8"R	VSTI 3/8" R WD	22018106	22028106	2,1	22	17	12	8
400	400	G 1/2"R	VSTI 1/2" R WD	22018109	22028109	4,0	26,9	19	14	10
400	400	G 3/4"R	VSTI 3/4" R WD	22018112	22028112	7,5	32	21	16	12
400	400	G 1"R	VSTI 1" R WD	22018115	22028115	11,8	39,9	22,5	16	17
250	250	G 1 1/4"R	VSTI 1 1/4" R WD	22018118	22028118	18,6	49,9	22,5	16	22
250	250	G 1 1/2"R	VSTI 1 1/2" R WD	22018124	22028124	24,7	55	22,5	16	24
250	250	G 2"R	VSTI 2" R WD	22018130	22028130	70	72	34	20	32
400	400	M10 x 1	VSTI M 1010	22018000	22028000	0,6	14	12	8	5
400	400	M12 x 1,5	VSTI M 1215	22018003	22028003	1,1	17	17	12	6
400	400	M14 x 1,5	VSTI M 1415	22018006	22028006	1,5	19	17	12	6
400	400	M16 x 1,5	VSTI M 1615	22018009	22028009	1,8	21,9	17	12	8
400	400	M18 x 1,5	VSTI M 1815	22018012	22028012	2,8	23,9	17	12	8
400	400	M20 x 1,5	VSTI M 2015	22018015	22028015	3,6	25,9	19	14	10
400	400	M22 x 1,5	VSTI M 2215	22018018	22028018	4,6	27	19	14	10
400	400	M26 x 1,5	VSTI M 2615	22018021	22028021	7,2	31,9	21	16	12
400	400	M27 x 2	VSTI M 2725	22018024	22028024	7,5	32	21	16	12
400	400	M33 x 2	VSTI M 3320	22018027	22028027	11,8	39,9	22,5	16	17
250	250	M42 x 2	VSTI M 4220	22018030	22028030	18,6	49,9	22,5	16	22
250	250	M48 x 2	VSTI M 4820	22018033	22028033	24,7	55	22,5	16	24

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

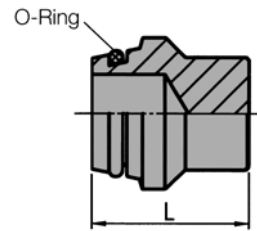
When ordering Stainless Steel, add **316** to below Part No.

Bite Type Fittings

Blanking Plug for 24° Cone

DIN 2353 (ISO 8434-1)

BUZ



296

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	L	O-ring
	S	SS							
LL	100	100	4	BUZ 04-LL	22018300	22028300	0,3	13,5	3,0x1,0
LL	100	100	6	BUZ 06-LL	22018306	22028306	0,4	15	5,0x1,0
LL	100	100	8	BUZ 06-LL	22018312	22028312	0,6	15	7,0x1,0
L	500	500	6	BUZ 06-L/S	22018303	22028303	1,0	17	4,5x1,5
L	500	500	8	BUZ 08-L/S	22018309	22028309	1,3	17	6,0x1,5
L	500	500	10	BUZ 10-L/S	22018315	22028315	1,6	20	8,5x1,5
L	400	400	12	BUZ 12-L/S	22018318	22028318	2,0	21	10,0x1,5
L	400	400	15	BUZ 15-L	22018324	22028324	2,3	20	12,0x2,0
L	400	400	18	BUZ 18-L	22018330	22028330	3,0	21	15,0x2,0
L	250	250	22	BUZ 22-L	22018336	22028336	4,8	23	20,0x2,0
L	250	250	28	BUZ 28-L	22018342	22028342	9,1	23	26,0x2,0
L	250	250	35	BUZ 35-L	22018348	22028348	17,0	29	32,0x2,5
L	250	250	42	BUZ 42-L	22018354	22028354	22,6	30	38,0x2,5
S	800	800	6	BUZ 06-L/S	22018303	22028303	1,0	17	4,5x1,5
S	800	800	8	BUZ 08-L/S	22018309	22028309	1,3	17	6,0x1,5
S	800	800	10	BUZ 10-L/S	22018315	22028315	1,6	20	8,5x1,5
S	630	630	12	BUZ 12-L/S	22018318	22028318	2,0	21	10,0x1,5
S	630	630	14	BUZ 14-S	22018321	22028321	2,3	23	12,0x1,0
S	630	630	16	BUZ 16-S	22018327	22028327	3,2	24	14,0x2,0
S	400	400	20	BUZ 20-S	22018333	22028333	5,0	28	17,3x2,4
S	400	400	25	BUZ 25-S	22018339	22028339	10,2	31	22,3x2,4
S	400	400	30	BUZ 30-S	22018345	22028345	14,2	34	27,3x2,4
S	400	400	38	BUZ 38-S	22018351	22028351	20,5	38	35,0x2,5

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

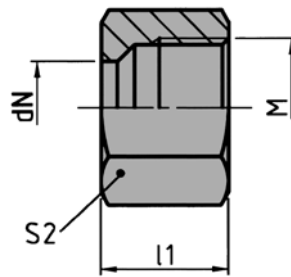
When ordering Stainless Steel, add **316** to below Part No.

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Nut DIN 3870

M



297

Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	M	l1	S2
	St	SS								
LL	100	315	4	M04 LL	22014200	22021400	0,4	M8 x 1	11	10
LL	100	315	6	M06 LL	22014206	22021406	0,5	M10 x 1	11,5	12
LL	100	315	8	M08 LL	22014215	22021415	0,7	M12 x 1	12	14
L	500	315	6	M06 L	22014203	22021403	0,9	M12 x 1,5	14,5	14
L	500	315	8	M08 L	22014212	22021412	1,4	M14 x 1,5	14,5	17
L	500	315	10	M10 L	22014221	22021421	2,0	M16 x 1,5	15,5	19
L	400	315	12	M12 L	22014227	22021427	2,5	M18 x 1,5	15,5	22
L	400	315	15	M15 L	22014236	22021436	4,0	M22 x 1,5	17	27
L	400	315	18	M18 L	22014242	22021442	6,0	M26 x 1,5	18	32
L	250	160	22	M22 L	22014248	22021448	8,0	M30 x 2	20	36
L	250	160	28	M28 L	22014254	22021454	8,5	M36 x 2	21	41
L	250	160	35	M35 L	22014260	22021460	13,0	M45 x 2	24	50
L	250	160	42	M42 L	22014266	22021466	21,0	M52 x 2	24	60
S	800	630	6	M06 S	22014209	22021409	1,5	M14 x 1,5	16,5	17
S	800	630	8	M08 S	22014218	22021418	1,7	M16 x 1,5	16,5	19
S	800	630	10	M10 S	22014224	22021424	3,0	M18 x 1,5	17,5	22
S	630	630	12	M12 S	22014230	22021430	3,5	M20 x 1,5	17,5	24
S	630	630	14	M14 S	22014233	22021433	5,0	M22 x 1,5	20,5	27
S	630	400	16	M16 S	22014239	22021439	6,0	M24 x 1,5	20,5	30
S	400	400	20	M20 S	22014245	22021445	9,5	M30 x 2	24	36
S	400	400	25	M25 S	22014251	22021451	19,5	M36 x 2	27	46
S	400	400	30	M30 S	22014257	22021457	21,5	M42 x 2	29	50
S	400	315	38	M38 S	22014263	22021463	31,0	M52 x 2	32,5	60

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

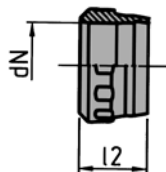
When ordering Stainless Steel, add **316** to below Part No.

Bite Type Fittings

Profile Ring DIN 3861

DIN 2353 (ISO 8434-1)

DS



298

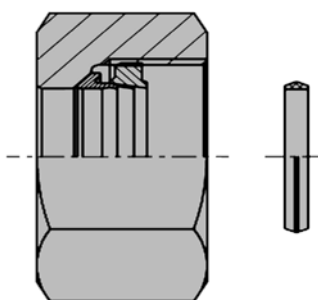
Serie	PN		Tube Ø ext.	Part No	ID Code St	ID Code SS	Weight 100/pc	l2
	St	SS						
LL	100	100	4	DS04 LL	22017500	22027500	0,05	6
LL	100	100	6	DS06 LL	22017503	22027503	0,09	7
LL	100	100	8	DS08 LL	22017506	22027506	0,10	7
L	500	315	6	DS06 L/S	22014900	22014900	0,20	9,8
L	500	315	8	DS08 L/S	22014906	22014906	0,29	9,5
L	500	315	10	DS10 L/S	22014912	22014912	0,39	10
L	400	315	12	DS12 L/S	22014918	22014918	0,45	9,5
L	400	315	15	DS15 L	22014927	22014927	0,58	9,8
L	400	315	18	DS18 L	22014933	22014933	0,73	9,8
L	250	160	22	DS22 L	22014939	22014939	0,86	10,5
L	250	160	28	DS28 L	22014945	22014945	1,17	11
L	250	160	35	DS35 L	22014951	22014951	2,31	13
L	250	160	42	DS42 L	22014957	22014957	2,83	13
S	800	630	6	DS06 L/S	22014900	22014900	0,20	9,8
S	800	630	8	DS08 L/S	22014906	22014906	0,29	9,5
S	800	630	10	DS10 L/S	22014912	22014912	0,39	10
S	630	630	12	DS12 L/S	22014918	22014918	0,45	9,5
S	630	630	14	DS14 S	22014924	22014924	0,61	10
S	630	400	16	DS16 S	22014930	22014930	0,74	10,3
S	400	400	20	DS20 S	22014936	22014936	1,13	12
S	400	400	25	DS25 S	22014942	22014942	1,53	12
S	400	400	30	DS30 S	22014948	22014948	2,13	13
S	400	315	38	DS38 S	22014954	22014954	2,55	13

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

When ordering Stainless Steel, add **316** to below Part No.

DSW



299

BITE TYPE FITTINGS

Serie	PN Steel	Tube Ø ext.	Part No	ID Code St
L	500	6	DSW06L	220114160
L	500	8	DSW08L	220114162
L	500	10	DSW10L	220114164
L	400	12	DSW12L	220114166
L	400	15	DSW15L	220114168
L	400	18	DSW18L	220114170
L	250	22	DSW22L	220114172
L	250	28	DSW28L	220114174
L	250	35	DSW35L	220114176
L	250	42	DSW42L	220114178
S	800	6	DSW06S	220114180
S	800	8	DSW08S	220114182
S	800	10	DSW10S	220114184
S	630	12	DSW12S	220114186
S	630	16	DSW16S	220114188
S	420	20	DSW20S	220114190
S	420	25	DSW25S	220114192
S	420	30	DSW30S	220114194
S	420	38	DSW38S	220114196

Material: Mild Steel

Captive Seal: Viton

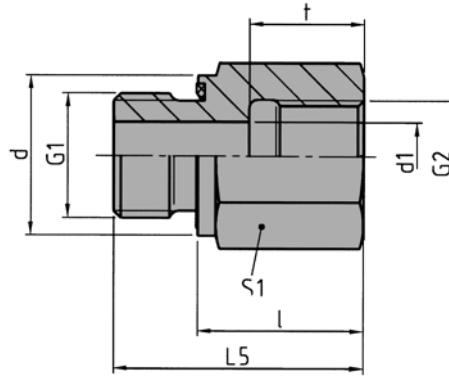
Seal Materials: NBR and EPDM upon request.

Bite Type Fittings

Reducing Adaptor with e.d. seal

DIN 2353 (ISO 8434-1)

RI



300

PN		G1 BSP	G2 BSP	Part No	ID Code St	ID Code SS	Weight 100/pc	L	l	d	d1	t	S1
St	SS												
400	400	1/8"	1/4"	RI 1/8" - 1/4"	22015200	22025200	3,6	31	23	13,9	4	17	19
400	400	1/8"	3/8"	RI 1/8" - 3/8"	22015205	22025205	4,5	32	24	13,9	7	17	24
400	400	1/4"	1/8"	RI 1/4" - 1/8"	22015210	22025210	3,6	29	17	18,9	5	12	19
400	400	1/4"	3/8"	RI 1/4" - 3/8"	22015215	22025215	6,6	36	24	18,9	5	17	24
400	400	1/4"	1/2"	RI 1/4" - 1/2"	22015220	22025220	8,5	40	28	18,9	5	20	30
400	400	1/4"	3/4"	RI 1/4" - 3/4"	22015225	22025225	17,3	43	31	18,9	5	22	36
400	400	3/8"	1/4"	RI 3/8" - 1/4"	22015235	22025235	3,0	36	24	22	8	17	22
400	400	3/8"	1/2"	RI 3/8" - 1/2"	22015240	22025240	9,0	41	29	22	8	20	30
400	400	3/8"	3/4"	RI 3/8" - 3/4"	22015245	22025245	17,5	44	32	22	8	22	36
400	400	1/2"	3/8"	RI 1/2" - 3/8"	22015260	22025260	9,5	37	23	26,9	12	17	27
400	400	1/2"	3/4"	RI 1/2" - 3/4"	22015265	22025265	18,0	46	32	26,9	12	22	36
400	400	1/2"	1"	RI 1/2" - 1"	22015270	22025270	22,5	49	35	26,9	12	24,5	41
250	250	1/2"	1 1/4"	RI 1/2" - 1 1/4"	22015275	22025275	47,0	53	39	26,9	12	26,5	55
400	400	3/4"	1/2"	RI 3/4" - 1/2"	22015290	22025290	15,0	43	27	32	16	20	32
400	400	3/4"	1"	RI 3/4" - 1"	22015295	22025295	23,5	51	35	32	16	24,5	41
250	250	3/4"	1 1/4"	RI 3/4" - 1 1/4"	22015300	22025300	48,3	55	39	32	16	26,5	55
250	250	3/4"	1 1/2"	RI 3/4" - 1 1/2"	22015305	22025305	54,5	57	41	32	16	28,5	60
400	400	1"	3/4"	RI 1" - 3/4"	22015325	22025325	28,0	49	31	39,9	20	22	41
250	250	1"	1 1/4"	RI 1" - 1 1/4"	22015330	22025330	51,0	57	39	39,9	20	26,5	55
250	250	1"	1 1/2"	RI 1" - 1 1/2"	22015335	22025335	56,5	59	41	39,9	20	28,5	60
400	400	1 1/4"	1"	RI 1 1/4" - 1"	22015350	22025350	45,5	53	33	49,9	25	24,5	50
250	250	1 1/4"	1 1/2"	RI 1 1/4" - 1 1/2"	22015355	22025355	58,0	60	40	49,9	25	28,5	60
250	250	1 1/2"	1 1/4"	RI 1 1/2" - 1 1/4"	22015375	22025375	53,0	58	36	55	32	26,5	55

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

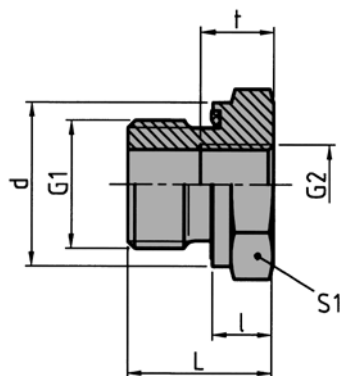
When ordering Stainless Steel, add **316** to below Part No.

Bite Type Fittings

DIN 2353 (ISO 8434-1)

Reducing Adaptor with e.d. Seal

RI



301

PN		G1 BSP	G2 BSP	Part No	ID Code St	ID Code SS	Weight 100/pc	L	l	d	t	S1
St	SS											
630	630	3/8"	1/8"	RI 3/8" - 1/8"	22015230	22025230	4,0	22,5	10,5	22	8	22
630	630	1/2"	1/8"	RI 1/2" - 1/8"	22015250	22025250	6,6	24	10	26,9	12	27
630	630	1/2"	1/4"	RI 1/2" - 1/4"	22015255	22025255	6,0	24	10	26,9	12	27
400	400	3/4"	1/4"	RI 3/4" - 1/4"	22015280	22025280	9,5	26	10	32	12	32
400	400	3/4"	3/8"	RI 3/4" - 3/8"	22015285	22025285	9,0	26	10	32	12	32
400	400	1"	1/4"	RI 1" - 1/4"	22015310	22025310	20,0	29	11	39,9	12	41
400	400	1"	3/8"	RI 1" - 3/8"	22015315	22025315	18,0	29	11	39,9	12	41
400	400	1"	1/2"	RI 1" - 1/2"	22015320	22025320	16,0	29	11	39,9	14	41
400	400	1 1/4"	1/2"	RI 1 1/4" - 1/2"	22015340	22025340	31,0	32	12	49,9	14	50
400	400	1 1/4"	3/4"	RI 1 1/4" - 3/4"	22015345	22025345	27,0	32	12	49,9	16	50
400	400	1 1/2"	1/2"	RI 1 1/2" - 1/2"	22015360	22025360	47,0	36	12	55	14	55
400	400	1 1/2"	3/4"	RI 1 1/2" - 3/4"	22015365	22025365	43,0	36	14	55	16	55
400	400	1 1/2"	1"	RI 1 1/2" - 1"	22015370	22025370	34,5	36	14	55	18	55
400	400	2"	1/2"	RI 2" - 1/2" *	22015380	22025380	100,6	44	18	69	14	70
400	400	2"	3/4"	RI 2" - 3/4"	22015385	22025385	92,0	44	18	69	16	70
400	400	2"	1"	RI 2" - 1" *	22015390	22025390	84,4	44	18	69	20	70
400	400	2"	1 1/4"	RI 2" - 1 1/4" *	22015395	22025395	67,4	44	18	69	21	70
400	400	2"	1 1/2"	RI 2" - 1 1/2" *	22015400	22025400	53,6	45	19	70	24	70

Material: Mild Steel or Stainless Steel

Part No is for Mild Steel.

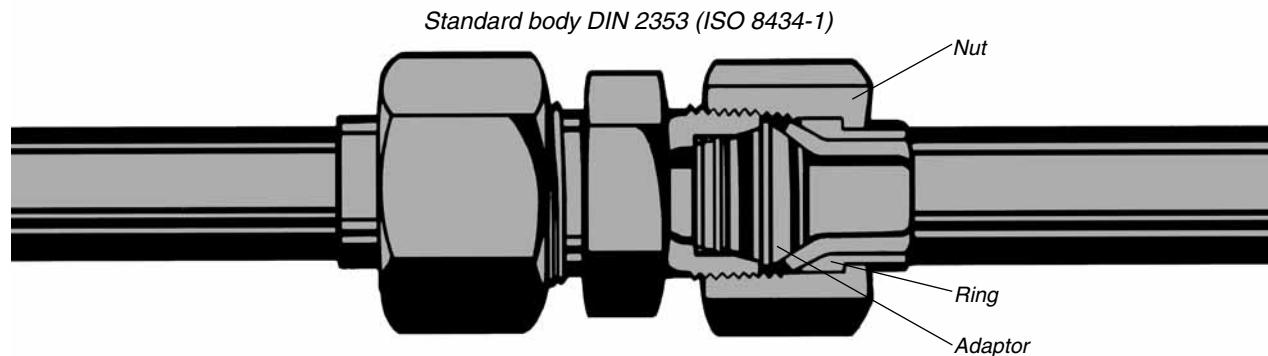
When ordering Stainless Steel, add **316** to below Part No.

* = Without e.d. seal

Bite Type Fittings

Bördel Fittings

BÖRDEL (flare fittings) can be used together with standard bite type fittings type DIN 2353.



302

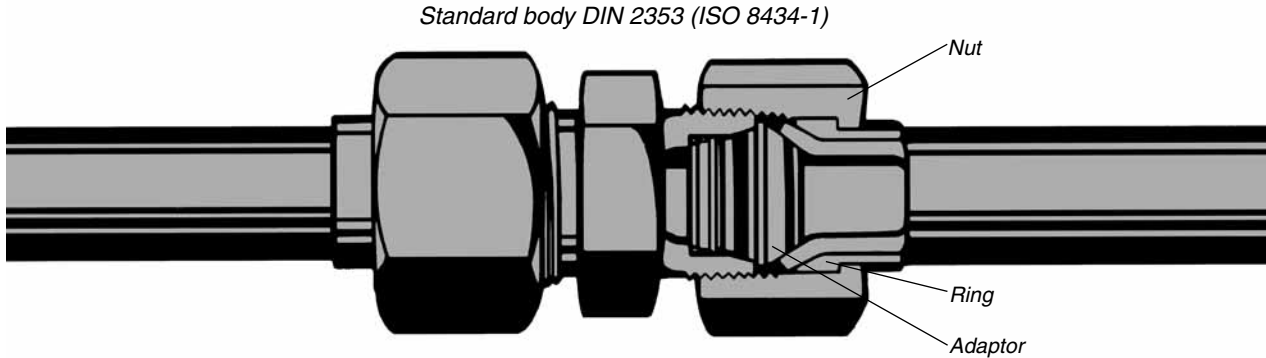
- Standard bite type bodies to be used
- Tightening force reduced due to the O-ring seal
- Delivered as standard with NBR O-rings.

Can be supplied with Viton O-rings on request.

Serie	PN bar	O.D. mm	Adaptor			Ring Part No	Nut Part No	Complete ID Code
			Part No	O-ring 1	O-ring 2			
L	500	6	BAO 06 L/s	4.5x1.5	4.4x0.8	SRO 06 L/s	BMO 06L	22010400
L	500	8	BAO 08 L/s	6x1.5	6x0.8	SRO 08 L/s	BMO 08L	22010406
L	500	10	BAO 10 L/s	8.5x1.5	7.5x0.8	SRO 10 L/s	BMO 10L	22010412
L	400	12	BAO 12 L/s	10x1.5	9.5x0.8	SRO 12 L/s	BMO 12L	22010418
L	400	15	BAO 15L	13x1.5	12.5x0.8	SRO 15L	BMO 15L	22010427
L	400	18	BAO 18L	16x1.5	15x1	SRO 18L	BMO 18L	22010433
L	250	22	BAO 22L	20x2	18x1	SRO 22L	BMO 22L	22010439
L	250	28	BAO 28L	26x2	23x1	SRO 28L	BMO 28L	22010445
L	250	35	BAO 35L	32x2	30x1	SRO 35L	BMO 35L	22010451
L	250	42	BAO 42L	38x2	37x1	SRO 42L	BMO 42L	22010457

Serie	PN bar	O.D. mm	Adaptor			Ring Part No	Nut Part No	Complete ID Code
			Part No	O-ring 1	O-ring 2			
S	630	6	BAO 06 L/s	4.5x1.5	4.4x0.8	SRO 06 L/s	BMO 06S	22010403
S	630	8	BAO 08 L/s	6x1.5	6x0.8	SRO 08 L/s	BMO 08S	22010409
S	630	10	BAO 10 L/s	8.5x1.5	7.5x0.8	SRO 10 L/s	BMO 10S	22010415
S	630	12	BAO 12 L/s	10x1.5	9.5x0.8	SRO 12 L/s	BMO 12S	22010421
S	630	14	BAO 14S	12x2	11x1	SRO 14S	BMO 14S	22010424
S	630	16	BAO 16S	17.3x2.4	12.5x1	SRO 16S	BMO 16S	22010430
S	400	20	BAO 20S	22.3x2.4	16x1	SRO 20S	BMO 20S	22010436
S	400	25	BAO 25S	27.3x2	20x1	SRO 25S	BMO 25S	22010442
S	400	30	BAO 30S	32x2.4	25x1	SRO 30S	BMO 30S	22010448
S	315	38	BAO 38S	35x2.5	32x1.28	SRO 38S	BMO 38S	22010454

BÖRDEL (flare fittings) can be used together with standard bite type fittings type DIN 2353.



- Standard bite type bodies AISI 316 to be used
 - Tightening force reduced due to the O-ring seal
 - Delivered as standard with NBR O-rings.
- Can be supplied with Viton O-rings on request.

Serie	PN bar	O.D. mm	Adaptor			Ring Part No	Nut Part No	Complete ID Code
			Part No	O-ring 1	O-ring 2			
L	500	6	BAO 06 L/s	4.5x1.5	4.4x0.8	SRO 06 L/s	BMO 06L	22020400
L	500	8	BAO 08 L/s	6x1.5	6x0.8	SRO 08 L/s	BMO 08L	22020406
L	500	10	BAO 10 L/s	8.5x1.5	7.5x0.8	SRO 10 L/s	BMO 10L	22020412
L	400	12	BAO 12 L/s	10x1.5	9.5x0.8	SRO 12 L/s	BMO 12L	22020418
L	400	15	BAO 15L	13x1.5	12.5x0.8	SRO 15L	BMO 15L	22012427
L	400	18	BAO 18L	16x1.5	15x1	SRO 18L	BMO 18L	22020433
L	250	22	BAO 22L	20x2.0	18x1	SRO 22L	BMO 22L	22020439
L	250	28	BAO 28L	26x2.0	23x1	SRO 28L	BMO 28L	22020445
L	250	35	BAO 35L	32x2.5	30x1	SRO 35L	BMO 35L	22020451
L	250	42	BAO 42L	38x2.5	37x1	SRO 42L	BMO 42L	22020457

Serie	PN bar	O.D. mm	Adaptor			Ring Part No	Nut Part No	Complete ID Code
			Part No	O-ring 1	O-ring 2			
S	630	6	BAO 06 L/s	4.5x1.5	4.4x0.8	SRO 06 L/s	BMO 06S	22010403
S	630	8	BAO 08 L/s	6x1.5	6x0.8	SRO 08 L/s	BMO 08S	220104009
S	630	10	BAO 10 L/s	8.5x1.5	7.5x0.8	SRO 10 L/s	BMO 10S	22010415
S	630	12	BAO 12 L/s	10x1.5	9.5x0.8	SRO 12 L/s	BMO 12S	22010421
S	630	14	BAO 14S	12x2	11x1	SRO 14S	BMO 14S	22010424
S	630	16	BAO 16S	14x2	12.5x1	SRO 16S	BMO 16S	22010430
S	400	20	BAO 20S	17.3x2.4	16x1	SRO 20S	BMO 20S	22010436
S	400	25	BAO 25S	22.3x2.4	20x1	SRO 25S	BMO 25S	22010442
S	400	30	BAO 30S	27.3x2.4	25x1	SRO 30S	BMO 30S	22010448
S	315	38	BAO 38S	35x2.5	32x1.28	SRO 38S	BMO 38S	22010454

When ordering Stainless Steel, add **316** to the article no.

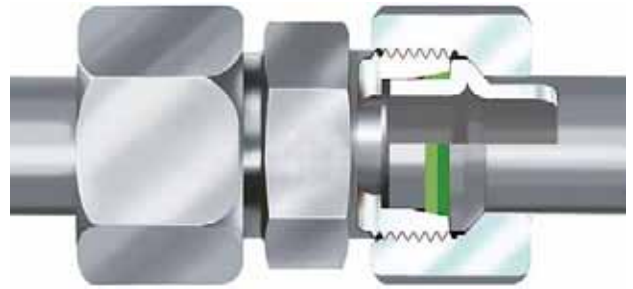
Bite Type Fittings

Walform Tube Fittings – DIN 2353 (ISO 8334-1)

The fundamental task of a tube fitting is to connect a tube to a unit, or to interconnect tubes. In this context, the tube must be retained reliably and no leaks may occur when subjected to either static or dynamic loads.

The following requirements can be derived from this statement:

- Absolutely leak-proof connecting points
- Reliable tube retention
- High fatigue strength under reversed bending stresses
- Simple assembly
- Reliable repeat assembly
- High pressure surge resistance
- Small number of components
- Wide range of applications
- Small dimensions
- Low costs



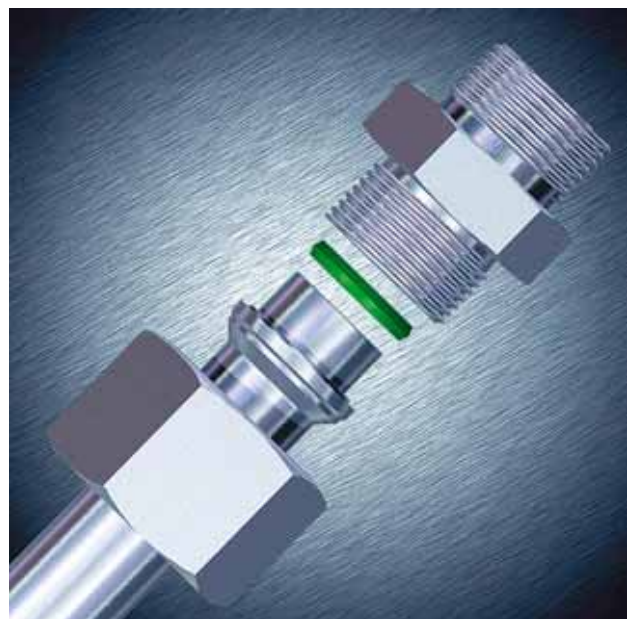
304

Up to now, it has virtually been impossible to achieve a 100% match between requirements profile and functional profile, simply because the demand for a maximum performance and minimum costs is a contradiction in itself.

The New Approach in Tube Connection Technology

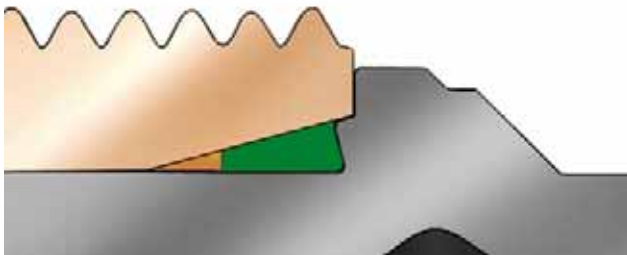
WALFORM the ringless tube fitting is a trend-setting alternative.

The new WALFORM fitting eliminates the contradiction between performance and costs, making it possible to fulfil all the customer's demand for the first time ever.



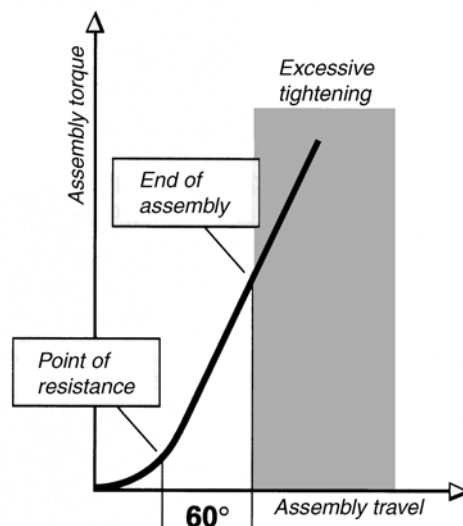
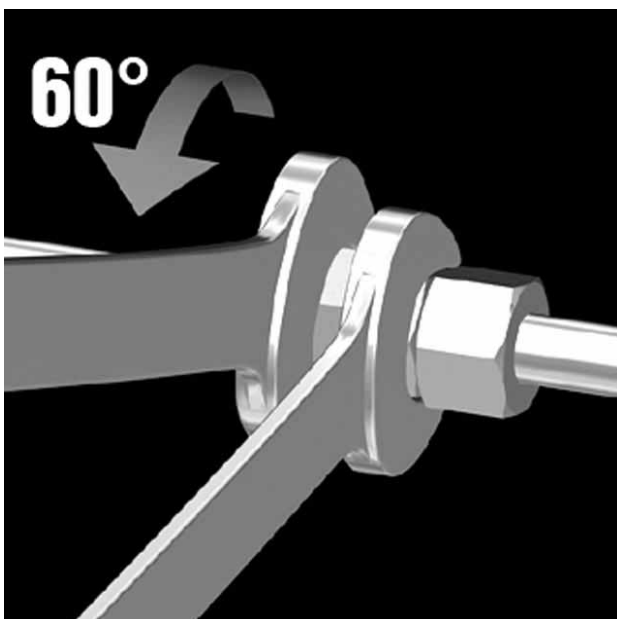
Outstanding features of this new system:

- The flow- formed head is upset to the pipe in a machine. This improves the structure at critical spots.
- The connection includes the standardized fitting body and the standardized union nut. The only item that is not standardized according to ISO is the roof-shaped seal.
- The mounting distance is short and not critical as with a weld- on cone.
- The connection system is compatible with other 24° systems. If required, further pipes can be connected by means of cutting ring fittings, weld-on cone, or flared adaptor. This compatibility allows the manufacturer of machines or power units to use preferred systems while offering his customers the possibility of using different fittings for other connected pipes.



Assembly advantages:

- Lower tightening torque
- Short tightening travel, 60° after the point of resistance
- Noticeable torque increase
- Reliable protection against excessive tightening.
- Repeat assembly any number of times.
- Oil-free assembly – the nut has an anti-friction coating.



Bite Type Fittings

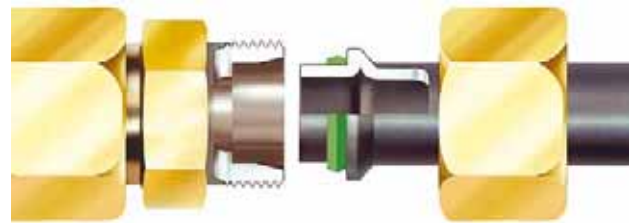
Walform Tube Fittings – DIN 2353 (ISO 8334-1)

Captive Seal – Type WF – Viton

Part no	Pipe O.D.
WF-ED 06	6
WF-ED 08	8
WF-ED 10	10
WF-ED 12	12
WF-ED 15	15
WF-ED 16	16
WF-ED 18	18
WF-ED 20	20
WF-ED 22	22
WF-ED 25	25
WF-ED 28	28
WF-ED 30	30
WF-ED 35	35
WF-ED 38	38
WF-ED 42	42

The new WALFORM tube fitting dispenses with the previously customary sealing ring and comprises just three components:

- Fitting Body
- Nut
- Captive Seal (Viton)



306

Reshaping Machines

The tube is reshaped by a machine in such a way that it fits into a DIN 2353 fitting body and nut. Retaining function and sealing function are isolated from each other in all respects.

The additional captive seal reliably seals off the only possible leakage path.

Mechanical reshaping guarantees consistent quality of the geometry and is easily controlled.

