

Product Range  
2008









INSTAFLEX  
iFIT





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## Product Range

INSTAFLEX – the plastic piping system made of polybuten for applications in building services. Ideally suited for hot and cold water cooling systems and compressed air this system includes everything for conveying water from the basement to the tapping points.



iFIT the innovative push fit jointing system for heating and plumbing with a safety check you can see and hear. Never before have polybuten and multilayer pipes been so easy, fast and safe to install in the dimensions 16, 20, 25 and 32.

iFIT: Only for clever plumbers.



# References

## Industrial manifolds



# General Information

## Explanation of signs

PB	Polybutylene
PE	Polyethylene
PP	Polypropylene
d	Pipe outside diameter
EPDM	Ethylene propylene rubber
s	Wall thickness of the pipe
dCu	Copper pipe outside diameter
DN	Nominal bore
Ø	Diameter
LK	Hole circle
SW	Dimension across flats (A/F)
G	Pipe thread, not pressure tight in the thread (with flat seat) to ISO 228
R	Taper male thread, pressure tight in the thread to ISO 7
Rp	Parallel female thread, pressure tight in the thread to ISO 7
M	Metric thread to ISO 261
m	Meter
SP	Items per standard pack
g	Gramme

## Dimensions

All dimensions are given in mm and are intended as nominal or outside diameter of the pipe. Subject to alteration resulting from modifications in design.

For compressed air applications with air containing mineral oil, EPDM gaskets must be replaced by NBR units.

This mainly concerns unions and flange connections.

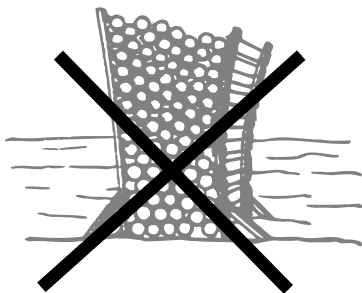
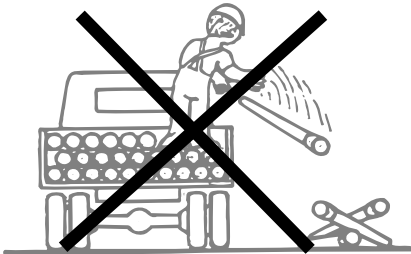
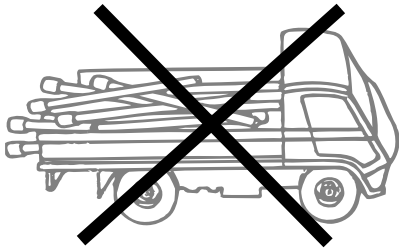
NBR gaskets are not contained in this Product Range. Please contact the GF Piping Systems sales consultant or sales support office assigned to your sales area.

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# Working with plastic pipes and fittings

## Transport and storage of plastic pipes

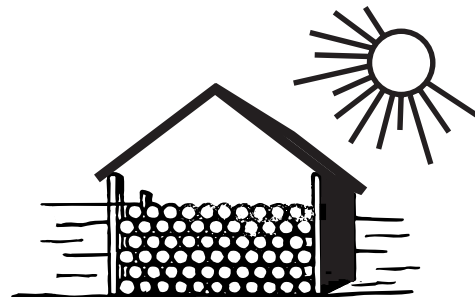
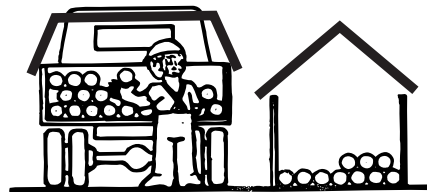
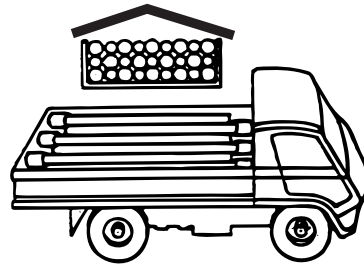
WRONG



Safety instruction

Plastic pipes and plastic fittings must be protected in principle from external influences. Direct sunlight, impacts and compressive stresses should be avoided. The pipes and fittings must be left in their packing until used. They should not be stored out of doors.

RIGHT



Plastics are materials sensitive to impact and crushing at low temperatures. The temperature limit depends on the relevant material.

PP-R	+5 °C
PVC-C	+5 °C
PB	-10 °C

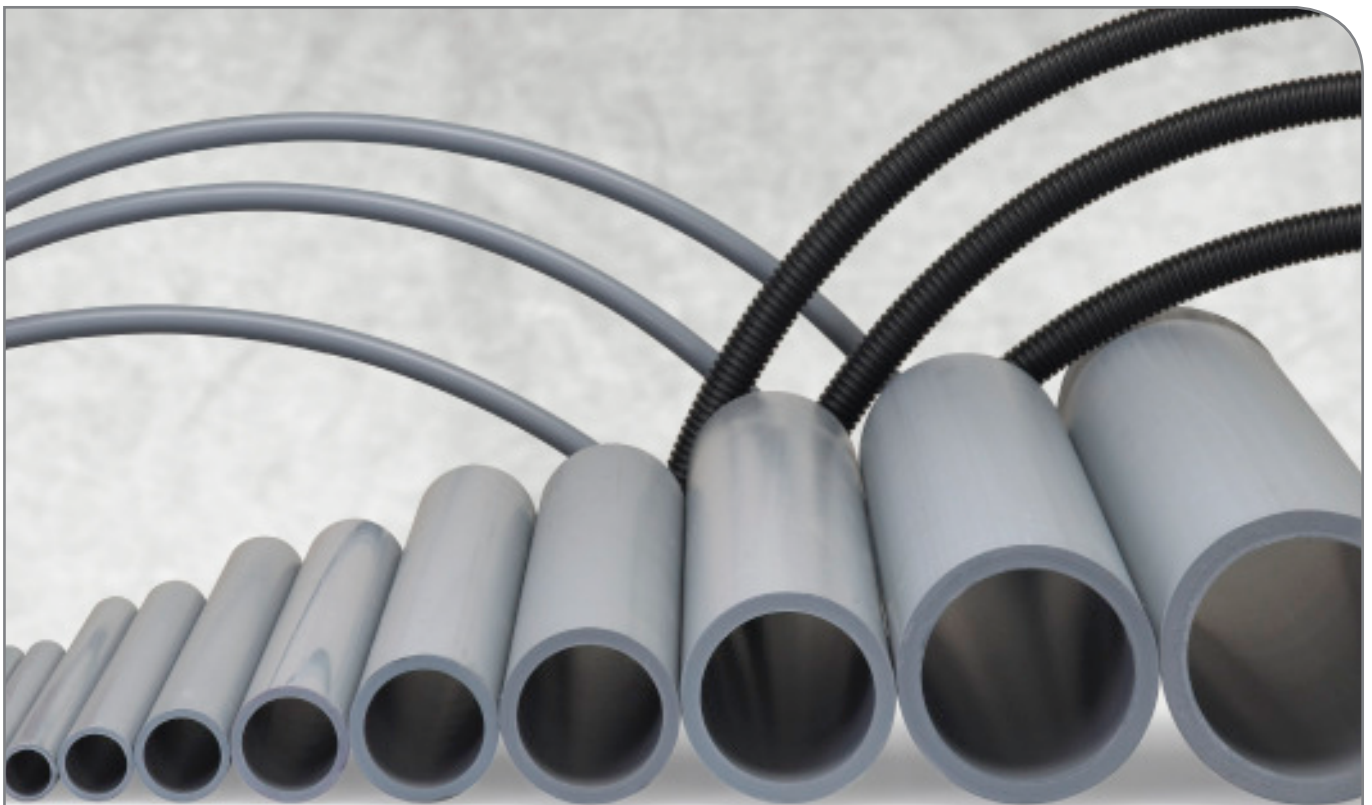
Below these temperatures pipes and fittings would have to be protected particularly from impacts, crushing and other external mechanical stresses.





# INSTAFLEX

## Pipes



- Pipes
- Accessories

# INSTAFLEX®

## Pipes

3700

### Pipe PB in protective pipe in coils

- packed in cardboard boxes



d [mm]	s [mm]	Code	SP	kg/m	Weight [kg]	D [mm]
16	2.2	<b>760 853 387</b>	60	0.162	0.162	25
20	2.8	<b>760 853 388</b>	60	0.235	0.235	30
25	2.3	<b>760 854 910</b>	30	0.270	0.270	34

3710

### Pipe PB in coils

- packed in cardboard boxes
- \*packed in film web

\* on request



d [mm]	s [mm]	Code	SP	kg/m
16	2.2	<b>760 853 389</b>	60	0.100
*16	2.2	<b>760 856 624</b>	400	0.100
20	2.8	<b>760 853 390</b>	60	0.150
*20	2.8	<b>760 856 623</b>	400	0.151
25	2.3	<b>760 854 946</b>	30	0.165

3714

### Pipe PB in bars of 5,8 m

- packed in cardboard boxes



d [mm]	s [mm]	Code	kg/m	SP [m]
16	2.2	<b>760 856 606</b>	0.097	52.2
20	2.8	<b>760 856 607</b>	0.151	52.2
25	2.3	<b>760 856 608</b>	0.165	58.0
32	2.9	<b>760 856 609</b>	0.270	23.2
40	3.7	<b>760 856 610</b>	0.416	17.4
50	4.6	<b>760 856 611</b>	0.645	17.4
63	5.8	<b>760 856 612</b>	1.020	5.8
75	6.8	<b>760 856 613</b>	1.440	5.8
90	8.2	<b>760 856 614</b>	2.060	5.8
110	10.0	<b>760 856 615</b>	3.050	5.8

5200

### Pipe PB in bars of 5,0 m

- packed in cardboard boxes

available as long as stock exist



d [mm]	s [mm]	Code	SP	kg/m	L [m]
125	11.4	<b>761 065 252</b>	5	3.950	5
160	14.6	<b>761 065 253</b>	5	6.460	5
225	20.5	<b>761 065 254</b>	5	12.700	5

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5200

## Pipe PB in bars of 5,8 m

- packed in PE-Bag



d [mm]	s [mm]	Code	SP	kg/m	Length [m]	
125	11.4	<b>761 065 290</b>	5.8	3.950	5.80	
160	14.6	<b>761 065 291</b>	5.8	6.460	5.80	
225	20.5	<b>761 065 292</b>	5.8	12.700	5.80	

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## Accessories

3720



### Protective pipe PE in coils

- packed in cardboard boxes

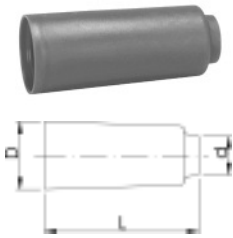
\* on request

\*\*on request

d [mm]	Colors	Code	SP	kg/m	D [mm]
16	black	<b>760 853 393</b>	60	0.062	25
*16	blue	<b>760 856 616</b>	60	0.062	25
**16	red	<b>760 856 617</b>	60	0.062	25
20	black	<b>760 853 394</b>	60	0.085	30
*20	blue	<b>760 856 618</b>	60	0.085	30
**20	red	<b>760 856 619</b>	60	0.085	30

3921

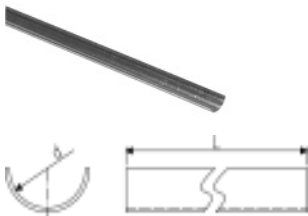
### Cap for protective pipe



d [mm]	Colors	Code	SP	kg	L [mm]	D [mm]
16	red	<b>760 854 986</b>	10	0.005	70	25
16	green	<b>760 854 987</b>	10	0.005	70	25
20	red	<b>760 854 988</b>	10	0.007	70	30
20	green	<b>760 854 989</b>	10	0.007	70	30

3929

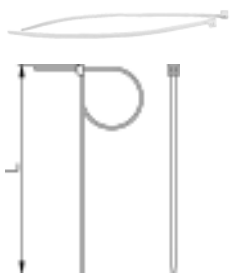
### Pipe support tray



d [mm]	Code	SP	kg/m	L [mm]
40	<b>760 854 928</b>	30	0.360	3000
50	<b>760 854 929</b>	30	0.450	3000
63	<b>760 854 930</b>	30	0.570	3000
75	<b>760 854 985</b>	30	0.680	3000

3930

### Pipe binder

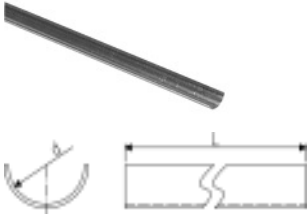


d-d [mm]	Code	SP	kg	L [mm]
16 - 40	<b>760 853 283</b>	100	0.001	200
50 - 75	<b>760 853 284</b>	100	0.003	300
90 - 110	<b>760 854 984</b>	100	0.001	430

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3931

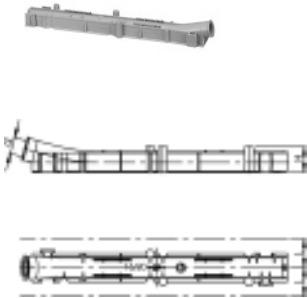
## Clip pipe support tray



d [mm]	Code	SP	kg/m	L [mm]	
16	<b>760 856 602</b>	30	0.270	3000	
20	<b>760 856 603</b>	30	0.320	3000	
25	<b>760 856 604</b>	30	0.480	3000	
32	<b>760 856 605</b>	30	0.600	3000	

3890

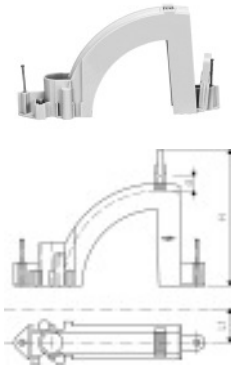
## Pipe transfer piece d16/d20



d [mm]	Code	SP	kg	L [mm]	H [mm]	
16 / 20	<b>760 853 299</b>	30	0.118	45	40	

3891

## Pipe transfer bend d16/d20

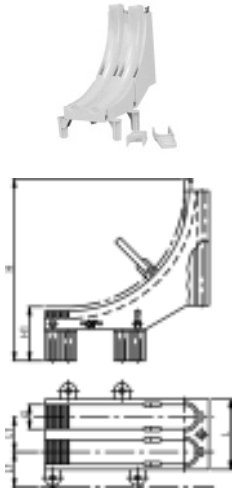


d [mm]	Code	SP	kg	L1 [mm]	H [mm]	
16 / 20	<b>760 853 300</b>	18	0.106	45	180	

# INSTAFLEX®

3892

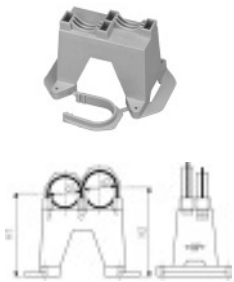
## Insta pipe support d16/d20



d [mm]	Code	SP	kg	L [mm]	L1 [mm]	H [mm]	H1 [mm]
16 / 20	<b>760 853 399</b>	12	0.228	90	45	235	70

3900

## Pipe support



d1 [mm]	d2 [mm]	Code	SP	kg	H1 [mm]	H2 [mm]
16	20	<b>760 853 759</b>	20	0.052	85	88

3903

## Fawa pipe support



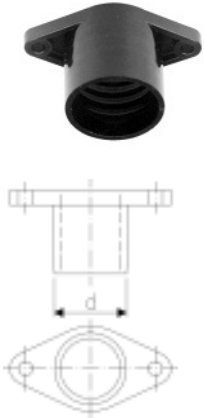
d [mm]	Code	SP	kg
16 / 20	<b>760 853 278</b>	50	0.103

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3949

## Coupling for protective pipe

- for pipe transfer piece 3891
- from the INSTAFLEX range



d [mm]	Code	SP	kg		
16	<b>760 853 316</b>	9	0.009		
20	<b>760 853 753</b>	9	0.012		

3913

## Single Pipe clip, plastic

- d / Outside protective pipe



d [mm]	d1 [mm]	Code	SP	kg	
25	16	<b>760 853 627</b>	50	0.006	

3915

## Dual Pipe clip, metal

- d / Outside protective pipe

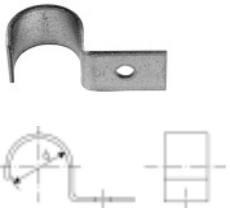


d [mm]	d1 [mm]	Code	SP	kg	
25	16	<b>760 853 628</b>	50	0.040	

3920

## Single Pipe clip, metal

- d / Outside protective pipe

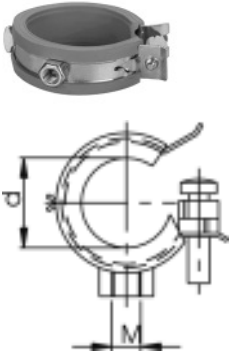


d [mm]	d1 [mm]	Code	SP	kg	
25	16	<b>760 853 254</b>	50	0.027	
30	20	<b>760 853 567</b>	50	0.031	
35	25	<b>760 854 951</b>	50	0.042	

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5091

## Pipe clamp



d [mm]	Code	SP	kg	M [mm]	
16	<b>761 066 296</b>	50	0.040	8	
20	<b>761 066 297</b>	50	0.050	8	
25	<b>761 066 298</b>	50	0.051	8	
32	<b>761 066 299</b>	50	0.060	8	
40	<b>761 066 300</b>	50	0.081	8	
50	<b>761 066 301</b>	50	0.091	8	
63	<b>761 066 302</b>	50	0.132	8	
75	<b>761 066 303</b>	50	0.152	8	
90	<b>761 066 304</b>	25	0.191	10	
110	<b>761 066 305</b>	25	0.232	10	

5091

## Pipe clamp without rubber ply

\* on request

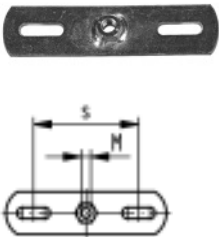


d [mm]	Code	SP	kg	M [mm]	
*125	<b>761 065 287</b>	25	0.328	10	
*160	<b>761 065 288</b>	25	0.396	10	
*225	<b>761 065 289</b>	25	1.036	10	

5092

## Support plate

- for fixing point

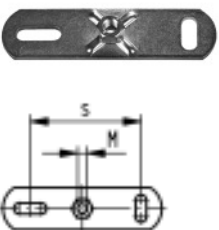


Size	Code	SP	kg	M	s [mm]	
1	<b>761 066 731</b>	10	0.135	M10	47 - 85	
2	<b>761 066 732</b>	10	0.170	M10	75 - 120	
3	<b>761 066 733</b>	10	0.211	M10	110 - 150	
4	<b>761 066 734</b>	10	0.253	M10	145 - 185	

5093

## Base plate

\* for fixing point



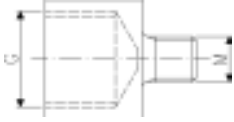
	Code	SP	kg	M	s [mm]	
	<b>761 066 741</b>	50	0.159	M8	50	
*	<b>761 066 735</b>	50	0.170	M10	101	
*	<b>761 066 311</b>	20	0.181	G1/2	101	



# INSTAFLEX®

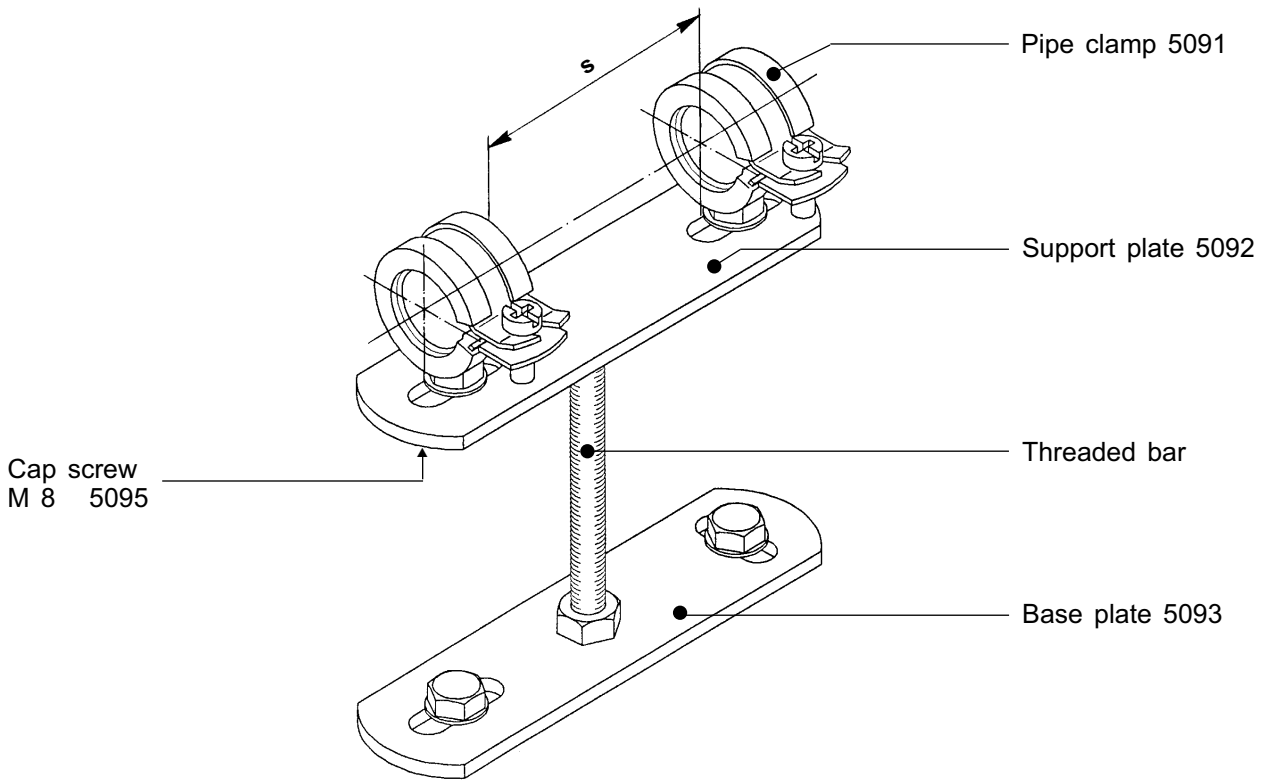
5094

## Reducer

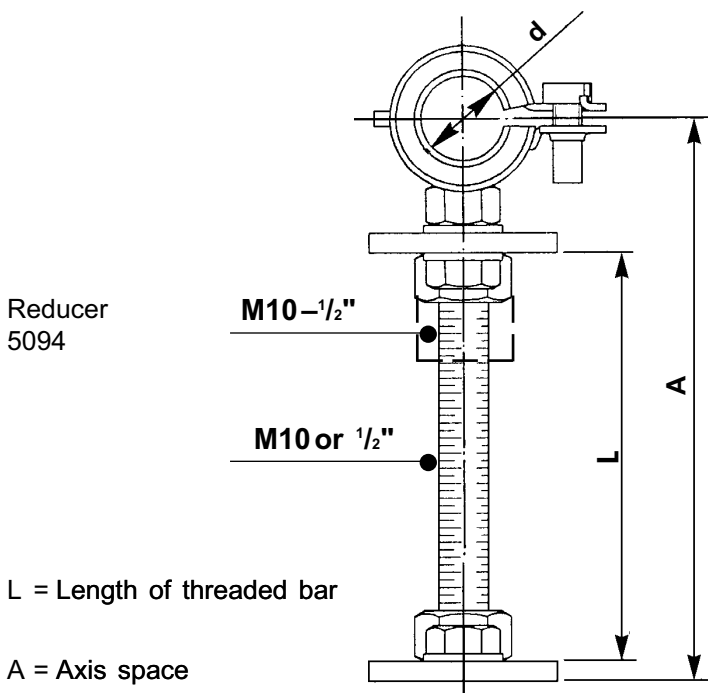


M	G [inch]	Code	SP	kg	
M8	1/2	<b>761 066 318</b>	20	0.055	
M10	1/2	<b>761 066 306</b>	20	0.055	

# Fixed point design



Support plate No cat.	1	2	3	4
Distance between pipe clamps «s»	33 – 63	64 – 94	97 – 125	132 – 162



$$L = A - x$$

Threaded bar	x	
	M10	1/2"
Pipe clamp diameter d	16	49
	20	53
	25	55
	32	60
	40	64
	50	68
	63	75
	75	82

# INSTAFLEX

## Electrofusion Jointing



- Fittings for Electrofusion Jointing
- Fittings for Electrofusion and Butt Fusion
- Manifold
- Flange Connections
- Electrofusion special reducer
- Adaptor on thread and valves
- Unions
- Accessories for electrofusion fittings
- Valves in Polybutylene
- Ball valves
- Accessories

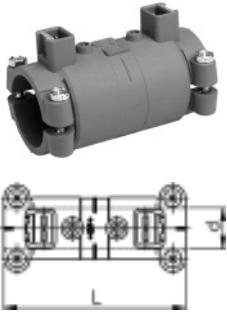
# INSTAFLEX®

## Fittings for Electrofusion Jointing

6200

### Electrofusion coupler

- middle stop can be broken out

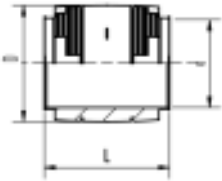


d [mm]	Code	SP	kg	L [mm]
16	761 069 200	1	0.023	76
20	761 069 201	1	0.027	80
25	761 069 202	1	0.041	85
32	761 069 203	1	0.053	85
40	761 069 204	1	0.084	95
50	761 069 205	1	0.121	99
63	761 069 206	1	0.184	102
75	761 069 265	1	0.310	134
90	761 069 266	1	0.474	147
110	761 069 267	1	0.716	160

6240

### Electrofusion coupler

- PN 16



d [mm]	Code	SP	kg	L [mm]
125	761 069 555	1	1.500	186
160	761 069 556	1	1.700	190
225	761 069 557	1	3.500	220

6200

### Sliding sleeves

\* on request

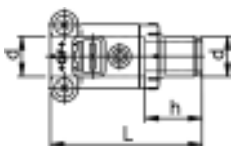


d [mm]	Code	SP	kg	Length [mm]
*20	761 069 623	1	0.093	168
*25	761 069 624	1	0.168	208
*32	761 069 625	1	0.219	190
*40	761 069 626	1	0.362	206

6201

### Electrofusion adaptor

- Spigot for socket fusion



d [mm]	Code	SP	kg	L [mm]	h [mm]
16	761 069 207	1	0.014	60	23
20	761 069 208	1	0.017	61	22
25	761 069 209	1	0.026	67	25
32	761 069 210	1	0.037	71	29
40	761 069 211	1	0.060	79	32
50	761 069 212	1	0.095	85	36
63	761 069 213	1	0.151	94	43

# INSTAFLEX®

6202

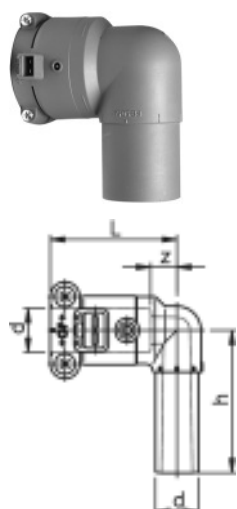
## Electrofusion elbow 90°



d [mm]	Code	SP	kg	L [mm]	z [mm]
16	<b>761 069 214</b>	1	0.023	47	10
20	<b>761 069 215</b>	1	0.027	54	14
25	<b>761 069 216</b>	1	0.039	58	16
32	<b>761 069 217</b>	1	0.079	60	18
40	<b>761 069 218</b>	1	0.128	69	22
50	<b>761 069 219</b>	1	0.206	78	29
63	<b>761 069 220</b>	1	0.328	86	36
75	<b>761 069 221</b>	1	0.325	112	45
90	<b>761 069 222</b>	1	0.593	127	54
110	<b>761 069 223</b>	1	0.980	146	66

6222

## Elbow 90° socket-spigot



d [mm]	Code	SP	kg	L [mm]	h [mm]	z [mm]
16	<b>761 069 434</b>	1	0.025	47	53	10
20	<b>761 069 435</b>	1	0.035	54	58	14
25	<b>761 069 436</b>	1	0.047	58	62	16
32	<b>761 069 437</b>	1	0.064	60	66	18
40	<b>761 069 438</b>	1	0.113	69	77	22
50	<b>761 069 439</b>	1	0.181	78	85	29
63	<b>761 069 440</b>	1	0.290	86	96	36

6223

## Elbow 45° socket-spigot



d [mm]	Code	SP	kg	L [mm]	h [mm]	z [mm]
16	<b>761 069 447</b>	1	0.014	44	50	6
20	<b>761 069 448</b>	1	0.030	46	54	7
25	<b>761 069 449</b>	1	0.042	50	57	8
32	<b>761 069 450</b>	1	0.059	51	60	9
40	<b>761 069 451</b>	1	0.098	58	67	11
50	<b>761 069 452</b>	1	0.156	63	75	14
63	<b>761 069 453</b>	1	0.242	68	79	17

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6203

## Electrofusion elbow 45°



d [mm]	Code	SP	kg	L [mm]	z [mm]
16	<b>761 069 227</b>	1	0.023	44	6
20	<b>761 069 228</b>	1	0.027	46	7
25	<b>761 069 229</b>	1	0.039	50	8
32	<b>761 069 230</b>	1	0.059	51	9
40	<b>761 069 231</b>	1	0.070	58	11
50	<b>761 069 232</b>	1	0.147	63	14
63	<b>761 069 233</b>	1	0.328	68	17
75	<b>761 069 234</b>	1	0.325	88	21
90	<b>761 069 235</b>	1	0.593	98	25
110	<b>761 069 236</b>	1	0.880	111	31

6204

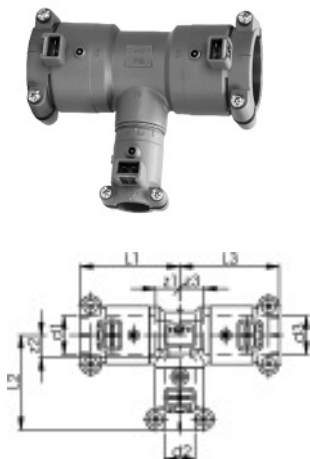
## Electrofusion Tee 90° equal



d [mm]	Code	SP	kg	L [mm]	z [mm]
16	<b>761 069 237</b>	1	0.053	47	10
20	<b>761 069 238</b>	1	0.067	54	14
25	<b>761 069 239</b>	1	0.089	58	16
32	<b>761 069 240</b>	1	0.116	60	18
40	<b>761 069 241</b>	1	0.185	69	22
50	<b>761 069 242</b>	1	0.290	78	29
63	<b>761 069 243</b>	1	0.452	86	36
75	<b>761 069 244</b>	1	0.487	112	45
90	<b>761 069 245</b>	1	0.890	127	54
110	<b>761 069 246</b>	1	1.320	146	66

6205

## Electrofusion Tee 90° reducer

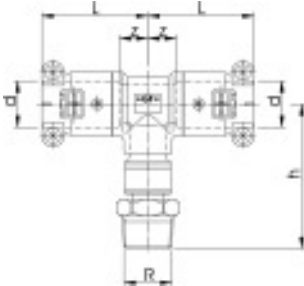


d1 [mm]	d2 [mm]	d3 [mm]	Code	SP	kg	L1 [mm]	L2 [mm]	L3 [mm]	z1 [mm]	z2 [mm]	z3 [mm]
20	16	16	<b>761 069 249</b>	1	0.058	54	47	47	14	10	10
20	16	20	<b>761 069 250</b>	1	0.041	54	49	54	14	11	14
25	16	25	<b>761 069 251</b>	1	0.079	58	54	58	16	16	16
25	20	20	<b>761 069 256</b>	1	0.079	58	54	54	16	14	14
25	20	25	<b>761 069 252</b>	1	0.078	58	54	58	16	14	16
25	25	20	<b>761 069 257</b>	1	0.081	58	58	54	16	16	14
32	20	32	<b>761 069 253</b>	1	0.088	60	58	60	18	18	18
32	25	25	<b>761 069 258</b>	1	0.098	60	58	58	18	16	16
32	25	32	<b>761 069 254</b>	1	0.095	60	58	60	18	16	18
40	20	40	<b>761 069 259</b>	1	0.157	69	63	69	22	23	22
40	25	40	<b>761 069 255</b>	1	0.115	69	63	69	22	21	22
40	32	40	<b>761 069 260</b>	1	0.168	69	63	69	22	21	22
50	25	50	<b>761 069 261</b>	1	0.246	78	72	78	29	30	29
50	32	50	<b>761 069 262</b>	1	0.360	78	72	78	29	30	29
63	25	63	<b>761 069 263</b>	1	0.360	86	81	86	36	39	36
63	40	63	<b>761 069 264</b>	1	0.384	86	85	86	36	38	36

# INSTAFLEX®

6224

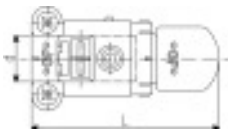
## Adaptor Tee 90° with male thread



d [mm]	R [inch]	Code	SP	kg	L [mm]	h [mm]	z [mm]
25	3/4	<b>761 069 430</b>	1	0.176	58	78	15
32	1	<b>761 069 431</b>	1	0.225	60	86	17

6206

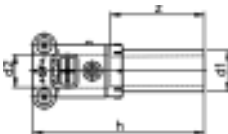
## Electrofusion cap



d [mm]	Code	SP	kg	L [mm]
16	<b>761 069 270</b>	1	0.022	67
20	<b>761 069 271</b>	1	0.025	70
25	<b>761 069 272</b>	1	0.036	77
32	<b>761 069 273</b>	1	0.054	83
40	<b>761 069 274</b>	1	0.095	95
50	<b>761 069 275</b>	1	0.153	104
63	<b>761 069 276</b>	1	0.265	116

6207

## Electrofusion reducer



d1 [mm]	d2 [mm]	Code	SP	kg	h [mm]	z [mm]
20	16	<b>761 069 277</b>	1	0.023	83	45
25	16	<b>761 069 278</b>	1	0.026	83	46
25	20	<b>761 069 279</b>	1	0.026	86	47
32	16	<b>761 069 457</b>	1	0.033	86	48
32	20	<b>761 069 280</b>	1	0.030	84	45
32	25	<b>761 069 281</b>	1	0.038	89	47
40	20	<b>761 069 458</b>	1	0.055	102	62
40	25	<b>761 069 459</b>	1	0.060	104	62
40	32	<b>761 069 282</b>	1	0.060	95	53
50	20	<b>761 069 460</b>	1	0.070	102	62
50	25	<b>761 069 461</b>	1	0.075	104	62
50	32	<b>761 069 462</b>	1	0.075	95	53
50	40	<b>761 069 283</b>	1	0.091	103	56
63	20	<b>761 069 463</b>	1	0.096	102	62
63	25	<b>761 069 464</b>	1	0.103	104	62
63	32	<b>761 069 284</b>	1	0.101	95	53
63	40	<b>761 069 465</b>	1	0.121	103	56
63	50	<b>761 069 285</b>	1	0.141	106	57
75	63	<b>761 069 286</b>	1	0.232	129	78
90	63	<b>761 069 287</b>	1	0.289	128	77
90	75	<b>761 069 288</b>	1	0.362	143	76
110	63	<b>761 069 289</b>	1	0.414	135	84
110	75	<b>761 069 290</b>	1	0.460	150	83
110	90	<b>761 069 291</b>	1	0.491	165	92

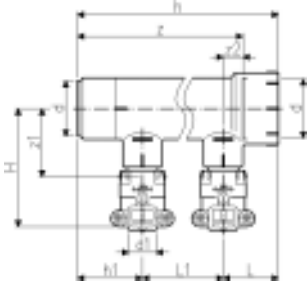
# INSTAFLEX®

## Manifold

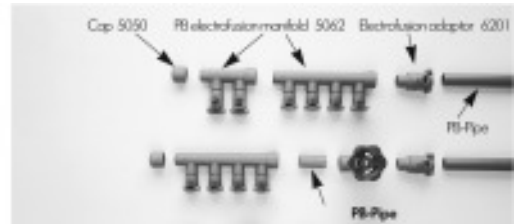
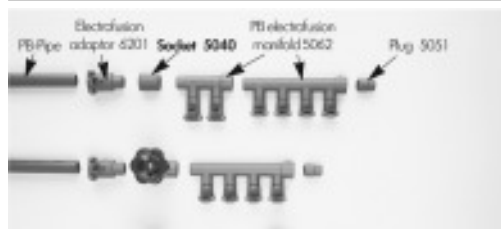
5062

### ELS Manifold PB

- Electrofusion connections



d [mm]	d1 [mm]		Code	SP	kg	L [mm]	L1 [mm]	h [mm]	h1 [mm]	H [mm]	z [mm]	z1 [mm]	z2 [mm]
25	16	single	<b>761 066 250</b>	1	0.031	31	0	63	32	60	45	36	13
25	20	single	<b>761 066 251</b>	1	0.041	39	0	78	39	64	60	35	21
25	16	double	<b>761 066 252</b>	1	0.062	31	45	108	32	60	90	36	13
25	16	triple	<b>761 066 253</b>	1	0.092	31	45	153	32	60	135	36	13
25	16	4 fold	<b>761 066 254</b>	1	0.121	31	45	198	32	60	180	36	13





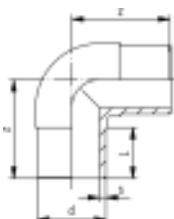
# INSTAFLEX®

## Fittings for Electrofusion and Butt Fusion

5202

### Elbow 90°

- PN 10

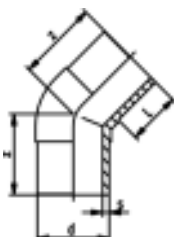


d [mm]	Code	SP	kg	z [mm]	L [mm]
125	<b>761 065 258</b>	1	1.600	182	93
160	<b>761 065 259</b>	1	3.150	213	104
225	<b>761 065 260</b>	1	6.500	270	122

5203

### Elbow 45°

- PN 10



d [mm]	Code	SP	kg	z [mm]	L [mm]
125	<b>761 065 261</b>	1	1.600	140	92
160	<b>761 065 262</b>	1	2.500	162	102
225	<b>761 065 263</b>	1	5.500	200	122

5201

### Tee 90° equal

- PN 10



d [mm]	Code	SP	kg	z [mm]	L [mm]
125	<b>761 065 255</b>	1	2.440	183	93
160	<b>761 065 256</b>	1	4.400	210	102
225	<b>761 065 257</b>	1	11.500	270	122

# INSTAFLEX®

5205

## Reducer

- PN 10



d1 [mm]	d2 [mm]	Code	SP	kg	z [mm]	L1 [mm]	L2 [mm]	
125	110	<b>761 065 267</b>	1	0.750	215	92	85	
160	125	<b>761 065 268</b>	1	1.300	245	102	92	
225	160	<b>761 065 269</b>	1	2.800	280	122	102	

# INSTAFLEX®

## Flange Connections

6209

### Flange adaptor flat with groove and spigots for electrofusion



- suitable for flange or union nut
- including O-Ring, EPDM quality for potable water

d [mm]	Code	SP	kg	h [mm]	D [mm]	D1 [mm]
20	<b>761 069 307</b>	5	0.017	70	27	34
25	<b>761 069 308</b>	5	0.023	76	33	41
32	<b>761 069 309</b>	1	0.036	78	41	50
40	<b>761 069 310</b>	1	0.061	88	50	61
50	<b>761 069 311</b>	1	0.099	93	61	73
63	<b>761 069 312</b>	1	0.155	98	76	90
75	<b>761 069 313</b>	1	0.309	158	90	106
90	<b>761 069 314</b>	1	0.496	172	109	125
110	<b>761 069 315</b>	1	0.783	186	131	150

6210

### Flange adaptor flat with spigot for electrofusion



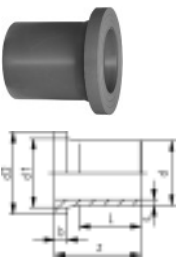
- suitable for flange or union nut

d [mm]	Code	SP	kg	h [mm]	D [mm]	D1 [mm]
20	<b>761 069 321</b>	1	0.017	67	27	34
25	<b>761 069 322</b>	1	0.023	73	33	41
32	<b>761 069 323</b>	1	0.036	75	41	50
40	<b>761 069 324</b>	1	0.060	83	50	61
50	<b>761 069 325</b>	1	0.092	88	61	73
63	<b>761 069 326</b>	1	0.146	93	76	90
75	<b>761 069 327</b>	1	0.292	153	90	106
90	<b>761 069 328</b>	1	0.471	167	109	125
110	<b>761 069 329</b>	1	0.745	180	131	150

5204

### Flange adaptor flat

\*\* only in use with Butterflyvalve 567 delivery on request, delivery time 8-10 weeks



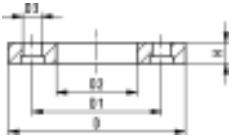
d [mm]	Code	SP	kg	z [mm]	d1 [mm]	d2 [mm]	L [mm]	b [mm]
125	<b>761 065 264</b>	1	0.900	170	132	160	123	25
160	<b>761 065 265</b>	1	1.800	200	176	216	147	25
**160	<b>761 065 282</b>	1	1.560	200	176	216	147	25
225	<b>761 065 266</b>	1	2.200	200	235	268	122	32

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5085

## Backing flanges PN 16 IPP

- Material: Casting, GFK coated
- suitable for flange adaptor
- Tighten the screws with torque, as indicated
- Commercially available screws, nuts, washers

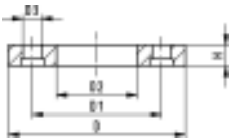


d [mm]	Code	SP	kg
20	<b>761 065 270</b>	2	0.400
25	<b>761 065 271</b>	2	0.500
32	<b>761 065 272</b>	2	0.500
40	<b>761 065 273</b>	2	0.600
50	<b>761 065 274</b>	2	0.800
63	<b>761 065 275</b>	2	0.900
75	<b>761 065 276</b>	2	1.200
90	<b>761 065 277</b>	2	1.200
110	<b>761 065 278</b>	2	1.500

d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	Tightening torque [N/mm <sup>2</sup> ]
20	106	65	28	14	18	4	M 12x 70	10
25	118	75	34	14	18	4	M 12x 75	15
32	122	85	42	14	17	4	M 12x 75	15
40	142	100	51	18	17	4	M 16x 80	20
50	156	110	62	18	19	4	M 16x 85	25
63	171	125	78	18	20	4	M 16x 85	35
75	191	145	92	18	21	4	M 16x 90	40
90	206	160	110	18	21	8	M 16x 90	40
110	226	180	133	18	22	8	M 16x 95	50

5085

## Backing flanges



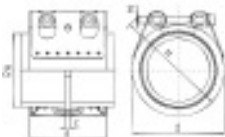
d [mm]	Code	SP	kg
125	<b>761 065 279</b>	2	1.500
160	<b>761 065 280</b>	2	2.500
225	<b>761 065 281</b>	2	3.600

d [mm]	d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	Screws	Tightening torque [N/mm <sup>2</sup> ]
125	125	226	180	135	18	23	8	M16 x 130	50
160	160	296	240	178	22	28	8	M20 x 140	60
225	225	350	295	238	22	31	8	M20 x 160	75

## Plast Grip E

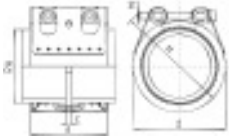
### Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket  $\varnothing < 170$  mm -30°C – 125°C and  $\varnothing > 180$  mm -20°C – 80°C; with NBR gasket -20°C – 80°C
- EPDM for: water, Aqueous acids, alkaline solutions, alcohols, compressed air
- NBR for: water, sea water, mineral oils, lubricants, fuels, gas, compressed air
- Other dimensions available on request

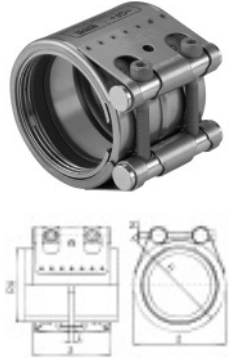


d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code	SP	kg
125.0	124.0 - 126.0	16.0	16.0	<b>779 532 037</b>	-	3.000
160.0	159.0 - 162.0	16.0	16.0	<b>779 532 046</b>	-	3.500

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d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
125.0	115	35	150	170
160.0	115	35	180	200



## Plast Grip

### Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring rings for metal or plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket  $\varnothing < 170$  mm  $-30^{\circ}\text{C} - 125^{\circ}\text{C}$  and  $\varnothing > 180$  mm  $-20^{\circ}\text{C} - 80^{\circ}\text{C}$ ; with NBR gasket  $-20^{\circ}\text{C} - 80^{\circ}\text{C}$
- EPDM for: water, Aqueous acids, alkaline solutions, alcohols, compressed air
- NBR for: water, sea water, mineral oils, lubricants, fuels, gas, compressed air
- Other dimensions available on request

d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code	SP	kg
225.0	222.0 - 227.0	10.0	10.0	779 512 065	-	7.200

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
225.0	142	35	255	285

## Internal Reinforcements stainless steel



d [mm]	e [mm]	di [mm]	Code	SP	kg
125	11,4	102.2	779 901 310	-	0.300
160			779 901 312	-	0.600
225			709 026 106	-	1.520

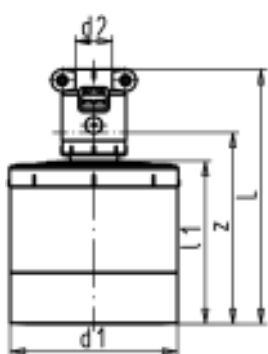
# INSTAFLEX®

## Electrofusion special reducer

6239

### Electrofusion special reducer

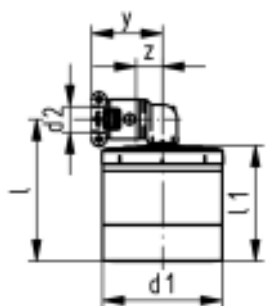
- with electrofusion adaptor



d1 [mm]	d2 [mm]	Code	SP	kg	l [mm]	l1 [mm]	z [mm]	
75	16	761 069 604	1	0.201	134	88	97	
75	20	761 069 605	1	0.204	134	88	95	
75	25	761 069 606	1	0.213	137	88	95	
75	32	761 069 607	1	0.224	139	88	97	
75	40	761 069 608	1	0.247	145	88	98	
75	50	761 069 609	1	0.282	148	88	99	
90	16	761 069 610	1	0.254	133	87	96	
90	20	761 069 611	1	0.257	133	87	94	
90	25	761 069 612	1	0.266	136	87	94	
90	32	761 069 613	1	0.277	138	87	96	
90	40	761 069 614	1	0.300	144	87	97	
90	50	761 069 615	1	0.335	147	87	98	
110	16	761 069 518	1	0.405	140	94	103	
110	20	761 069 519	1	0.405	140	94	101	
110	25	761 069 520	1	0.415	143	94	101	
110	32	761 069 521	1	0.425	145	94	103	
110	40	761 069 522	1	0.450	151	94	104	
110	50	761 069 523	1	0.480	154	94	105	

6238

### Electrofusion special reducer with elbow

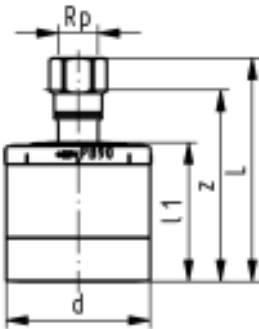


d1 [mm]	d2 [mm]	Code	SP	kg	l [mm]	l1 [mm]	y [mm]	z [mm]	
75	16	761 069 616	1	0.213	107	88	47	10	
75	20	761 069 619	1	0.223	109	88	54	14	
75	25	761 069 524	1	0.235	111	88	58	16	
75	32	761 069 525	1	0.300	115	88	60	18	
75	40	761 069 526	1	0.300	121	88	96	22	
75	50	761 069 527	1	0.365	127	88	78	29	
90	16	761 069 617	1	0.260	106	87	47	10	
90	20	761 069 620	1	0.270	108	87	54	14	
90	25	761 069 528	1	0.283	110	87	58	16	
90	32	761 069 529	1	0.300	114	87	60	18	
90	40	761 069 530	1	0.350	120	87	69	22	
90	50	761 069 531	1	0.415	126	87	78	29	
110	16	761 069 618	1	0.413	113	94	47	10	
110	20	761 069 621	1	0.423	115	94	54	14	
110	25	761 069 532	1	0.435	117	94	58	16	
110	32	761 069 533	1	0.453	121	94	60	18	
110	40	761 069 534	1	0.500	127	94	69	22	
110	50	761 069 535	1	0.565	183	94	78	29	

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6229

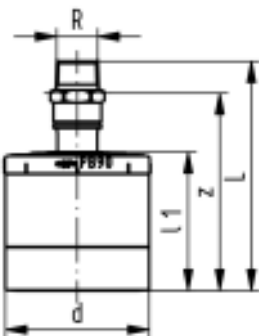
## Special reducer with female thread



d-d [mm]	Rp [inch]	Code	SP	kg	l [mm]	l1 [mm]	z [mm]
75 - 20	½	<b>761 069 583</b>	1	0.280	146	88	131
75 - 25	¾	<b>761 069 584</b>	1	0.325	150	88	130
75 - 32	1	<b>761 069 593</b>	1	0.385	152	88	127
90 - 20	½	<b>761 069 585</b>	1	0.340	145	87	130
90 - 25	¾	<b>761 069 586</b>	1	0.385	149	87	129
90 - 32	1	<b>761 069 594</b>	1	0.445	151	87	126
110 - 20	½	<b>761 069 581</b>	1	0.484	152	94	137
110 - 25	¾	<b>761 069 582</b>	1	0.536	156	94	136
110 - 32	1	<b>761 069 598</b>	1	0.585	158	94	133

6219

## Special reducer with adaptor male thread



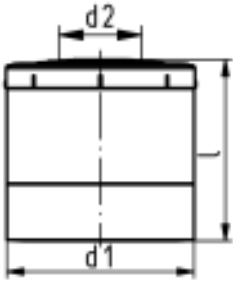
d-d [mm]	R [inch]	Code	SP	kg	l [mm]	l1 [mm]	z [mm]
75 - 20	½	<b>761 069 577</b>	1	0.284	144	88	129
75 - 25	¾	<b>761 069 578</b>	1	0.336	145	88	125
75 - 32	1	<b>761 069 596</b>	1	0.385	149	88	124
90 - 20	½	<b>761 069 579</b>	1	0.344	143	87	128
90 - 25	¾	<b>761 069 580</b>	1	0.396	144	87	124
90 - 32	1	<b>761 069 597</b>	1	0.445	148	87	123
110 - 20	½	<b>761 069 587</b>	1	0.480	150	94	135
110 - 25	¾	<b>761 069 588</b>	1	0.525	151	94	131
110 - 32	1	<b>761 069 595</b>	1	0.585	155	94	130

# INSTAFLEX®

6227

## Special reducer with hole

- Drilled hole d16 to d50

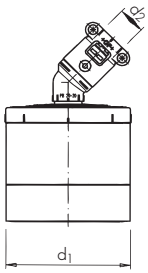


d1 [mm]	d2 [mm]	Code	SP	kg	l [mm]
75	16	<b>761 069 500</b>	1	0.200	88
75	20	<b>761 069 501</b>	1	0.200	88
75	25	<b>761 069 502</b>	1	0.200	88
75	32	<b>761 069 503</b>	1	0.200	88
75	40	<b>761 069 504</b>	1	0.200	88
75	50	<b>761 069 505</b>	1	0.200	88
90	16	<b>761 069 506</b>	1	0.250	87
90	20	<b>761 069 507</b>	1	0.250	87
90	25	<b>761 069 508</b>	1	0.250	87
90	32	<b>761 069 509</b>	1	0.250	87
90	40	<b>761 069 510</b>	1	0.250	87
90	50	<b>761 069 511</b>	1	0.250	87
110	16	<b>761 069 512</b>	1	0.400	94
110	20	<b>761 069 513</b>	1	0.400	94
110	25	<b>761 069 514</b>	1	0.400	94
110	32	<b>761 069 515</b>	1	0.400	94
110	40	<b>761 069 516</b>	1	0.400	94
110	50	<b>761 069 517</b>	1	0.400	94

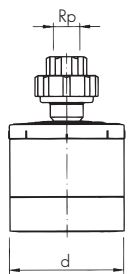


# Special reducers

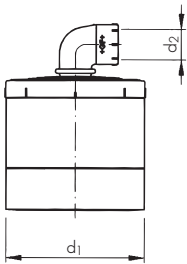
Order from



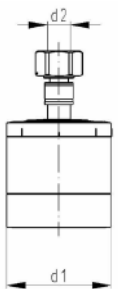
$d_1 \backslash d_2$	16	20	25	32	40	50
75						
90						
110						



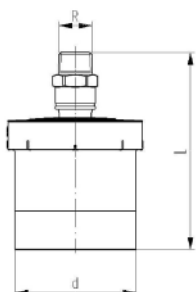
$d \backslash R_p$	1/2	3/4	1
75			
90			
110			



$d_1 \backslash d_2$	16	20	25	32	40	50
75						
90						
110						



$d_1 \backslash d_2$	16-1/2	20-1/2	20-3/4	25-3/4	25-1	32-1
75		761.069.577		761.069.578		761.069.596
90		761.069.579		761.069.580		761.069.597
110		761.069.581		761.069.582		761.069.598



$d_1 \backslash d_2$	16-1/2	20-1/2	20-3/4	25-3/4	25-1	32-1
75		761.069.583		761.069.584		761.069.593
90		761.069.585		761.069.586		761.069.594
110		761.069.587		761.069.588		761.069.595

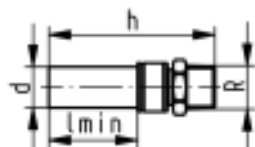
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## Adaptor on thread and valves

6214

### Adaptor with male thread

- Spigot for electrofusion - male thread

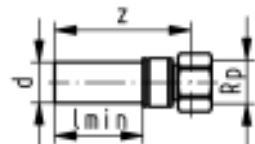


d [mm]	R [inch]	Code	SP	kg	h [mm]	L min. HMS [mm]	L min. HWS [mm]
16	½	<b>761 069 385</b>	1	0.082	91	30	47
20	½	<b>761 069 386</b>	1	0.093	93	30	49
20	¾	<b>761 069 387</b>	1	0.115	96	30	49
25	¾	<b>761 069 388</b>	1	0.134	103	33	55
25	1	<b>761 069 389</b>	1	0.171	105	33	55
32	1	<b>761 069 390</b>	1	0.207	105	35	55
40	1 ¼	<b>761 069 391</b>	1	0.615	145	27	50
50	1 ½	<b>761 069 392</b>	1	0.930	158	30	52
63	2	<b>761 069 393</b>	1	1.387	173	33	54

6215

### Adaptor with female thread

- Spigot for electrofusion - female thread

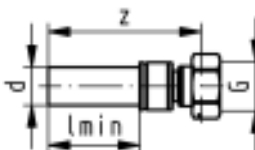


d [mm]	Rp [inch]	Code	SP	kg	z [mm]	L min. HMS [mm]	L min. HWS [mm]
16	½	<b>761 069 360</b>	1	0.086	75	30	47
20	½	<b>761 069 361</b>	1	0.099	77	30	49
20	¾	<b>761 069 362</b>	1	0.136	78	30	49
25	¾	<b>761 069 363</b>	1	0.145	83	33	55
25	1	<b>761 069 364</b>	1	0.184	85	33	55
32	1	<b>761 069 365</b>	1	0.209	85	35	55
40	1 ¼	<b>761 069 366</b>	1	0.615	118	27	50
50	1 ½	<b>761 069 367</b>	1	0.930	124	30	52
63	2	<b>761 069 368</b>	1	1.387	133	33	55

6216

### Adaptor with loose union nut, flat seal

- Spigot for electrofusion - female thread
- including flat seal EPDM



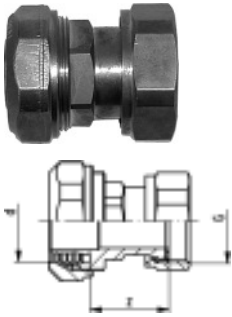
d [mm]	G [inch]	Code	SP	kg	z [mm]	L min. HMS [mm]	L min. HWS [mm]
16	¾	<b>761 069 370</b>	1	0.093	78	30	47
20	¾	<b>761 069 369</b>	1	0.126	88	30	49
20	1	<b>761 069 371</b>	1	0.154	82	30	49
25	¾	<b>761 069 372</b>	1	0.146	95	33	55
25	1	<b>761 069 373</b>	1	0.230	99	33	55
25	1 ¼	<b>761 069 374</b>	1	0.231	89	33	55
32	1	<b>761 069 375</b>	1	0.210	99	35	55
32	1 ¼	<b>761 069 377</b>	1	0.292	100	35	55
32	1 ½	<b>761 069 376</b>	1	0.292	89	35	55
40	1 ¼	<b>761 069 378</b>	1	0.510	138	27	50
40	1 ½	<b>761 069 379</b>	1	0.598	138	27	50
40	2	<b>761 069 381</b>	1	0.824	140	27	50
50	1 ¾	<b>761 069 384</b>	1	0.898	147	30	53
50	2 ¼	<b>761 069 383</b>	1	0.820	126	30	53
63	2 ¾	<b>761 069 394</b>	1	1.421	158	33	53
63	2 ¾	<b>761 069 395</b>	1	0.854	135	33	54

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6216

## Adaptor with loose union nut, flat seal

- including gasket, tesnit blue free of asbestos, according to DIN 3754

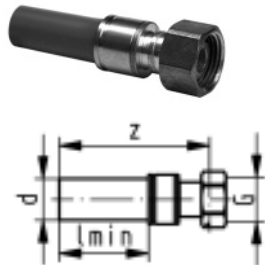


d [mm]	G [inch]	Code	SP	kg	z [mm]	
25	¾	<b>761 069 539</b>	10	0.172	28	
25	1	<b>761 069 540</b>	10	0.235	34	
25	1 ¼	<b>761 069 541</b>	10	0.266	27	
32	1	<b>761 069 542</b>	10	0.342	36	
32	1 ¼	<b>761 069 543</b>	10	0.385	39	
32	1 ½	<b>761 069 544</b>	10	0.410	30	
40	1 ¼	<b>761 069 545</b>	10	0.439	40	
40	1 ½	<b>761 069 546</b>	10	0.503	43	
40	2	<b>761 069 547</b>	5	0.640	33	
50	1 ¾	<b>761 069 548</b>	5	0.910	44	
50	2 ¼	<b>761 069 549</b>	5	0.950	33	
63	2 ¾	<b>761 069 550</b>	2	1.900	36	
63	2 ¾	<b>761 069 551</b>	2	2.600	34	

6217

## Adaptor with loose union nut, flat seal, with centering

- Spigot for electrofusion - female thread
- including gasket, tesnit blue free of asbestos, according to DIN 3754



d [mm]	G [inch]	Code	SP	kg	z [mm]	L min. HMS [mm]	L min. HWS [mm]	
16	½	<b>761 069 380</b>	1	0.086	83	30	47	
20	¾	<b>761 069 382</b>	1	0.128	85	30	49	

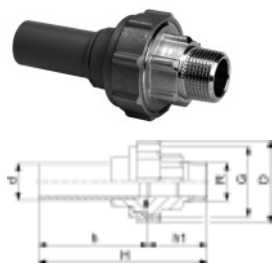
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## Unions

6220

### Adaptor union

- Spigot for electrofusion - male thread
- including O-Ring, EPDM quality for potable water

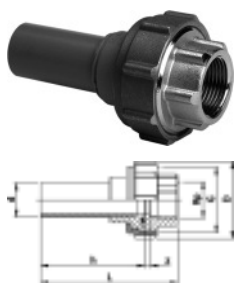


d [mm]	G [inch]	Code	SP	kg	H [mm]	h [mm]	h1 [mm]	G [inch]	D [mm]
16	1/2	761 069 400	1	0.260	106	68	38	1	41
20	1/2	761 069 401	1	0.280	110	70	40	11/4	46
25	3/4	761 069 402	1	0.325	117	76	41	11/2	52
32	1	761 069 403	1	0.465	123	78	45	2	64
40	1 1/4	761 069 404	1	0.700	136	88	48	2 1/2	79
50	1 1/2	761 069 405	1	0.830	141	93	48	2 3/4	85
63	2	761 069 406	1	1.205	152	98	54	3 1/2	104

6221

### Adaptor union

- Spigot for electrofusion - female thread
- including O-Ring, EPDM quality for potable water



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	h [mm]	z [mm]	G [inch]	D [mm]
16	1/2	761 069 407	1	0.210	90	68	9	1	41
20	1/2	761 069 408	1	0.235	94	70	10	11/4	46
25	3/4	761 069 409	1	0.295	100	76	9	11/2	52
32	1	761 069 410	1	0.405	103	78	8	2	64
40	1 1/4	761 069 411	1	0.600	114	88	7	2 1/2	79
50	1 1/2	761 069 412	1	0.730	119	93	7	2 3/4	85
63	2	761 069 413	1	1.055	126	98	5	3 1/2	104

6225

### Adaptor union

- including O-Ring, EPDM quality for potable water

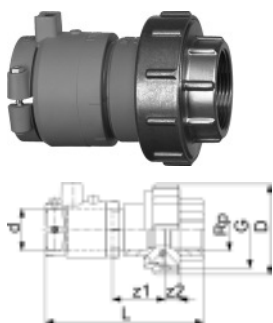


d [mm]	R [inch]	Code	SP	kg	L [mm]	h [mm]	z [mm]	G [inch]	D [mm]
16	1/2	761 069 475	1	0.270	106	38	31	1	41
20	1/2	761 069 476	1	0.284	109	40	30	11/4	50
25	3/4	761 069 477	1	0.332	116	41	33	11/2	56
32	1	761 069 478	1	0.476	124	45	37	2	69
40	1 1/4	761 069 479	1	0.711	137	48	42	2 1/2	83
50	1 1/2	761 069 480	1	0.840	143	48	46	2 3/4	90
63	2	761 069 481	1	1.232	158	54	53	3 1/2	110

6226

### Adaptor union

- including O-Ring, EPDM quality for potable water



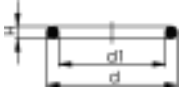
d [mm]	Rp [inch]	Code	SP	kg	L [mm]	z1 [mm]	z2 [mm]	G [inch]	D [mm]
16	1/2	761 069 482	1	0.220	90	31	9	1	41
20	1/2	761 069 483	1	0.244	93	30	10	11/4	50
25	3/4	761 069 484	1	0.302	99	33	9	11/2	56
32	1	761 069 485	1	0.416	104	37	8	2	69
40	1 1/4	761 069 486	1	0.611	115	42	7	2 1/2	83
50	1 1/2	761 069 487	1	0.740	121	46	7	2 3/4	90
63	2	761 069 488	1	1.082	132	53	5	3 1/2	110

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## Accessories for electrofusion fittings

5080

### O-Ring, EPDM quality for potable water



d [mm]	Code	SP	kg	d1 [mm]	D [mm]	H [mm]
16	<b>761 066 558</b>	-	0.002	19	26	4
20	<b>761 066 124</b>	-	0.002	23	31	4
25	<b>761 066 125</b>	-	0.002	28	35	4
32	<b>761 066 126</b>	-	0.003	36	43	4
40	<b>761 066 127</b>	-	0.003	44	55	5
50	<b>761 066 128</b>	-	0.004	53	64	5
63	<b>761 066 129</b>	-	0.007	69	80	5
75	<b>761 070 036</b>	-	0.006	82	93	5
90	<b>761 070 037</b>	-	0.008	101	112	5
110	<b>761 070 038</b>	-	0.016	120	134	7

EPDM 48 40 00

### Flat Gaskets

**Model:**

- Hardness approx. 65° Shore
- For adaptor unions



d [mm]	Inch	EPDM Code	kg	D [mm]	D1 [mm]	H [mm]
16	3/8	<b>748 400 005</b>	0.001	24	17	2
20	1/2	<b>748 400 006</b>	0.003	30	21	3
25	3/4	<b>748 400 007</b>	0.004	38	27	3
32	1	<b>748 400 008</b>	0.002	44	32	3
40	1 1/4	<b>748 400 009</b>	0.003	55	42	3
50	1 1/2	<b>748 400 010</b>	0.004	62	46	3
63	2	<b>748 400 011</b>	0.006	78	60	3

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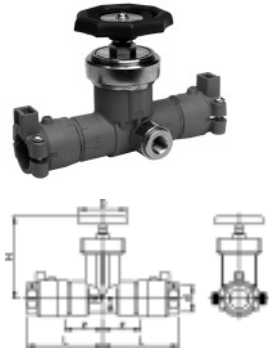
## Valves in Polybutylene (do not use as drain valve)

6208

### Valve PB with spigot G1/4" for drain

- for electrofusion
- Gasket: EPDM quality for potable water
- Handwheel anthracite with green/red changeover disk
- Drain valve must be ordered seperately

(do not use as drain valve)



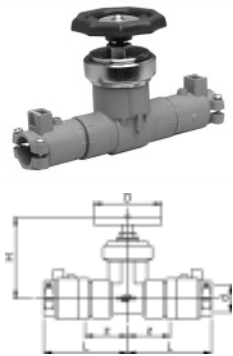
d [mm]	Code	SP	kg	H [mm]	L [mm]	z [mm]	D [mm]
20 (15)	<b>761 069 294</b>	6	0.445	86	86	47	70
25 (20)	<b>761 069 295</b>	6	0.452	86	89	47	70
32 (25)	<b>761 069 296</b>	6	0.494	91	94	52	70
40 (32)	<b>761 069 297</b>	2	1.160	155	112	65	90
50 (40)	<b>761 069 298</b>	2	1.290	155	120	71	90
63 (50)	<b>761 069 299</b>	1	1.624	155	141	90	90

6211

### Valve PB

- for electrofusion
- Gasket: EPDM quality for potable water
- Handwheel anthracite with green/red changeover disk

(do not use as drain valve)



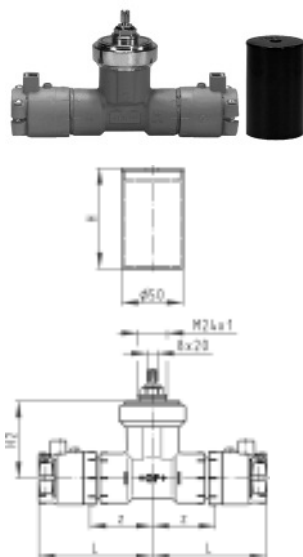
d [mm]	Code	SP	kg	H [mm]	L [mm]	z [mm]	D [mm]
20 (15)	<b>761 069 330</b>	6	0.396	86	86	47	70
25 (20)	<b>761 069 331</b>	1	0.410	86	89	47	70
32 (25)	<b>761 069 332</b>	1	0.440	91	94	52	70
40 (32)	<b>761 069 333</b>	2	1.140	155	112	65	90
50 (40)	<b>761 069 334</b>	2	1.270	155	120	71	90
63 (50)	<b>761 069 335</b>	1	1.599	155	141	90	90

6212

### Valve PB concealed

- Gasket: EPDM quality for potable water
- for finished mounting set ( e.g. GROHE / KLUDI / a. o. )
- for electrofusion

(do not use as drain valve)



d [mm]	Code	SP	kg
20 (15)	<b>761 069 342</b>	6	0.396
25 (20)	<b>761 069 343</b>	1	0.410
32 (25)	<b>761 069 344</b>	6	0.450

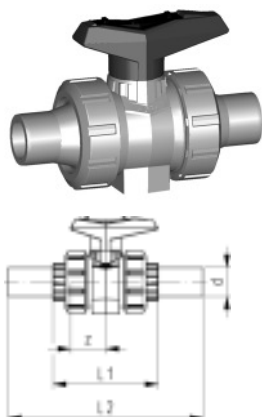
# INSTAFLEX®

## Ball valves

5083

### Ball valve type 546 PVC-C / PB-Spigots

- non approval for potable water installation

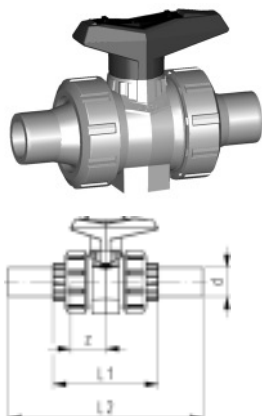


d [mm]	DN [mm]	PN	EPDM Code	SP	kg	L1 [mm]	L2 [mm]	z [mm]
20	15	16	<b>761 066 343</b>	1	0.178	95	190	33
25	20	16	<b>761 066 344</b>	1	0.267	108	208	38
32	25	16	<b>761 066 345</b>	1	0.403	118	218	39
40	32	16	<b>761 066 346</b>	1	0.724	137	250	47
50	40	16	<b>761 066 347</b>	1	0.988	147	263	49
63	50	16	<b>761 066 348</b>	1	1.828	168	288	46

5089

### Ball valve type 546 PP / PB-Spigots

- non approval for potable water installation



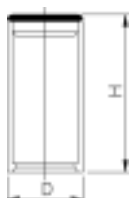
d [mm]	DN [mm]	PN	EPDM Code	SP	kg	L1 [mm]	L2 [mm]	z [mm]
20	15	16	<b>760 000 343</b>	1	0.133	95	190	33
25	20	16	<b>760 000 344</b>	1	0.202	108	208	38
32	25	16	<b>760 000 345</b>	1	0.293	118	218	39
40	32	16	<b>760 000 346</b>	1	0.504	137	250	47
50	40	16	<b>760 000 347</b>	1	0.718	147	263	49
63	50	16	<b>760 000 348</b>	1	1.323	168	288	46

# INSTAFLEX®

## Accessories

3417

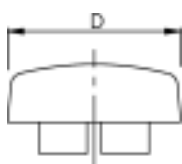
### Sleeve for valve PB concealed



d-d [mm]	Code	SP	kg	D [mm]	H [mm]
20 - 32	761 066 979	1	0.030	52	83

3419

### Cap chromium, to valve PB concealed



d-d [mm]	Code	SP	kg	D [mm]
20 - 32	760 853 786	1	0.032	68

3420

### Slide to valve PB



d-d [mm]	Code	SP	kg
20 - 32	761 066 335	1	0.028
40 - 63	761 066 336	1	0.114

5074

### Drain valve and plug



G [inch]	Code	SP	kg
¼	761 066 328	1	0.059

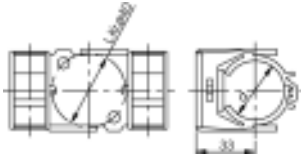


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5096

## Valve bracket for valve PB without drain

- for GIS or wall mounting

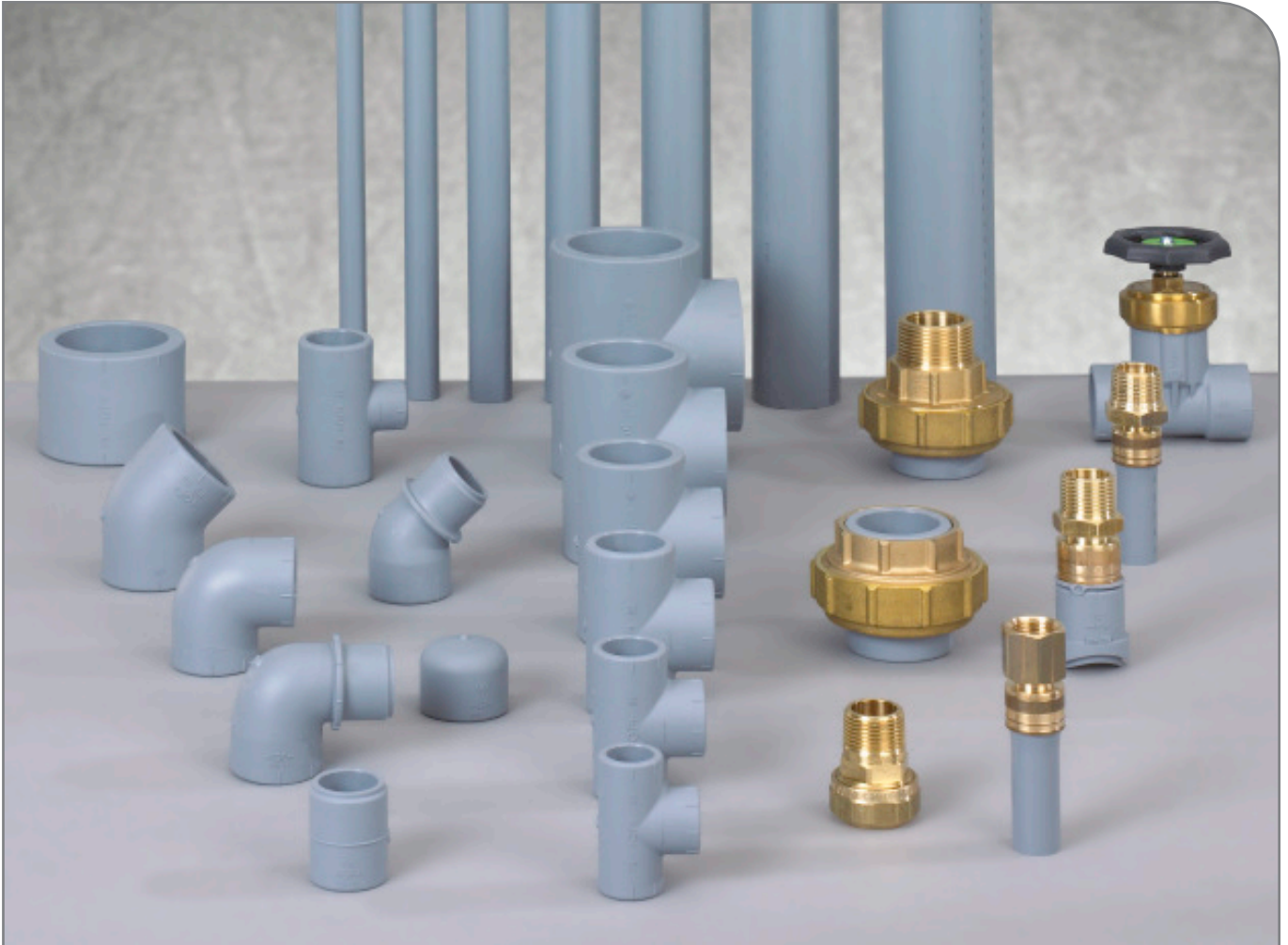


d-d [mm]	Code	SP	kg	
20 - 25	<b>761 066 325</b>	1	0.190	



# INSTAFLEX

## Socket Fusion Jointing



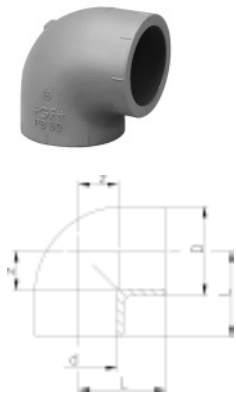
- Fittings for Socket Fusion Jointing
- Union
- Flange Jointing
- Accessories
- PB-Valves and ball valves
- Accessories for PB-Valves and ball valves

# INSTAFLEX®

## Fittings for Socket Fusion Jointing

5005

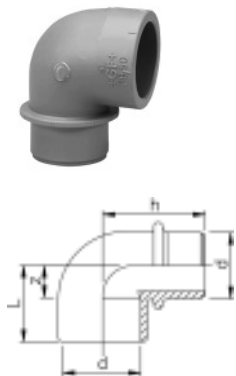
### Elbow 90°



d [mm]	Code	SP	kg	L [mm]	D [mm]	z [mm]	
16	<b>761 066 600</b>	10	0.014	25	22	10	
20	<b>761 066 601</b>	10	0.015	28	26	13	
25	<b>761 066 602</b>	10	0.026	32	32	14	
32	<b>761 066 603</b>	10	0.035	38	40	18	
40	<b>761 066 604</b>	5	0.076	44	51	22	
50	<b>761 066 605</b>	5	0.116	51	64	26	
63	<b>761 066 606</b>	2	0.239	62	81	34	
75	<b>761 066 607</b>	2	0.310	75	91	44	
90	<b>761 066 608</b>	2	0.500	88	108	52	
110	<b>761 066 609</b>	2	0.900	105	132	63	

5008

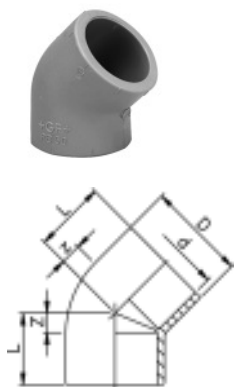
### Elbow 90°, socket-spigot



d [mm]	Code	SP	kg	L [mm]	D [mm]	h [mm]	z [mm]	
16	<b>761 066 900</b>	10	0.009	25	22	34	10	
20	<b>761 066 901</b>	10	0.012	28	26	36	13	
25	<b>761 066 902</b>	10	0.021	32	32	44	14	
32	<b>761 066 903</b>	10	0.037	38	40	50	18	
40	<b>761 066 904</b>	5	0.067	44	51	58	22	
50	<b>761 066 905</b>	5	0.122	51	64	70	26	
63	<b>761 066 906</b>	2	0.233	62	81	82	34	

5010

### Elbow 45°

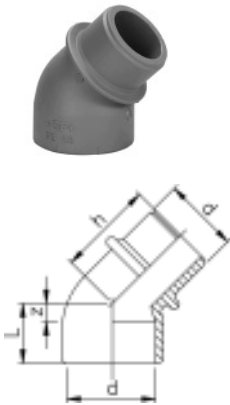


d [mm]	Code	SP	kg	L [mm]	D [mm]	z [mm]	
16	<b>761 066 610</b>	10	0.008	21	22	6	
20	<b>761 066 611</b>	10	0.016	22	26	7	
25	<b>761 066 612</b>	10	0.026	25	32	7	
32	<b>761 066 613</b>	10	0.030	30	40	10	
40	<b>761 066 614</b>	5	0.064	34	51	12	
50	<b>761 066 615</b>	5	0.090	39	64	14	
63	<b>761 066 616</b>	2	0.145	45	81	17	
75	<b>761 066 617</b>	2	0.210	51	92	20	
90	<b>761 066 618</b>	2	0.430	58	109	22	
110	<b>761 066 619</b>	2	0.640	68	134	26	

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5018

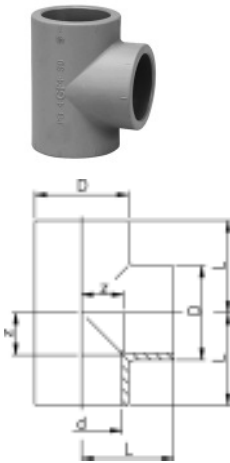
## Elbow 45°, socket-spigot



d [mm]	Code	SP	kg	L [mm]	D [mm]	h [mm]	z [mm]
16	<b>761 066 907</b>	10	0.008	21	22	29	6
20	<b>761 066 908</b>	10	0.011	22	26	30	7
25	<b>761 066 909</b>	10	0.017	25	32	35	7
32	<b>761 066 910</b>	10	0.032	30	40	40	10
40	<b>761 066 911</b>	5	0.055	34	51	46	12
50	<b>761 066 912</b>	5	0.099	39	64	53	14
63	<b>761 066 913</b>	2	0.180	45	81	62	17

5015

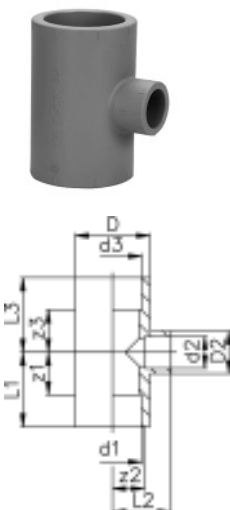
## Tee 90° equal



d [mm]	Code	SP	kg	L [mm]	D [mm]	z [mm]
16	<b>761 066 620</b>	10	0.017	25	22	10
20	<b>761 066 621</b>	10	0.025	28	26	13
25	<b>761 066 622</b>	10	0.036	32	32	14
32	<b>761 066 623</b>	10	0.045	38	40	18
40	<b>761 066 624</b>	5	0.105	44	51	22
50	<b>761 066 625</b>	5	0.145	51	64	26
63	<b>761 066 626</b>	2	0.315	62	81	34
75	<b>761 066 627</b>	2	0.430	75	91	44
90	<b>761 066 628</b>	2	0.750	88	112	52
110	<b>761 066 629</b>	2	1.120	105	132	63

5020

## Tee 90° reduced

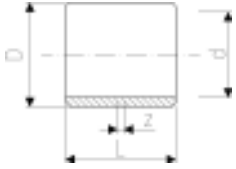


d1 [mm]	d2 [mm]	d3 [mm]	Code	SP	kg	D [mm]	D2 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	z1 [mm]	z2 [mm]	z3 [mm]
20	16	20	<b>761 066 914</b>	10	0.015	26	22	28	28	28	13	13	13
20	16	16	<b>761 066 915</b>	10	0.016	26	22	28	28	28	13	13	13
20	20	16	<b>761 066 916</b>	10	0.017	26	26	28	28	28	13	13	13
25	16	25	<b>761 066 917</b>	10	0.025	32	26	32	32	32	14	17	14
25	20	25	<b>761 066 918</b>	10	0.023	32	26	32	32	32	14	17	14
25	20	20	<b>761 066 919</b>	10	0.026	32	26	32	32	32	14	17	17
25	25	20	<b>761 066 920</b>	10	0.027	32	32	32	32	32	14	14	17
32	16	32	<b>761 066 921</b>	10	0.041	40	26	38	38	38	18	23	18
32	20	32	<b>761 066 922</b>	10	0.039	40	26	38	38	38	18	23	18
32	25	32	<b>761 066 923</b>	10	0.040	40	32	38	38	38	18	20	18
40	16	40	<b>761 066 295</b>	5	0.083	51	34	44	44	44	22	29	22
40	25	40	<b>761 066 924</b>	5	0.077	51	34	44	44	44	22	26	22
50	16	50	<b>761 066 309</b>	5	0.135	64	34	51	51	51	26	36	26
50	25	50	<b>761 066 925</b>	5	0.130	64	34	51	51	51	26	33	26
63	16	63	<b>761 066 310</b>	2	0.257	81	35	62	62	62	34	47	34
63	25	63	<b>761 066 926</b>	5	0.252	81	35	62	62	62	34	44	34

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5040

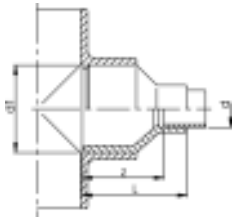
## Socket



d [mm]	Code	SP	kg	L [mm]	D [mm]	z [mm]
16	<b>761 066 660</b>	10	0.009	33	22	3
20	<b>761 066 661</b>	10	0.014	33	26	3
25	<b>761 066 662</b>	10	0.020	39	32	3
32	<b>761 066 663</b>	10	0.033	43	40	3
40	<b>761 066 664</b>	10	0.048	48	51	4
50	<b>761 066 665</b>	10	0.069	54	64	4
63	<b>761 066 666</b>	2	0.120	60	81	4
75	<b>761 066 667</b>	2	0.150	69	91	7
90	<b>761 066 668</b>	2	0.250	80	110	8
110	<b>761 066 669</b>	2	0.440	94	133	10

5045

## Reducing bush



d [mm]	d1 [mm]	Code	SP	kg	L [mm]	z [mm]
20	16	<b>761 066 670</b>	10	0.005	30	15
25	16	<b>761 066 671</b>	10	0.010	33	18
25	20	<b>761 066 672</b>	10	0.015	33	18
32	20	<b>761 066 674</b>	10	0.018	40	25
32	25	<b>761 066 675</b>	10	0.022	40	22
40	20	<b>761 066 677</b>	10	0.024	42	27
40	25	<b>761 066 678</b>	10	0.028	42	24
40	32	<b>761 066 679</b>	10	0.034	42	22
50	20	<b>761 066 681</b>	10	0.035	55	40
50	25	<b>761 066 682</b>	10	0.038	55	37
50	32	<b>761 066 683</b>	10	0.042	55	35
50	40	<b>761 066 684</b>	10	0.050	55	33
63	20	<b>761 066 686</b>	5	0.055	58	43
63	25	<b>761 066 687</b>	5	0.060	58	40
63	32	<b>761 066 688</b>	5	0.066	58	38
63	40	<b>761 066 689</b>	5	0.074	58	36
63	50	<b>761 066 690</b>	5	0.079	58	33
75	63	<b>761 066 742</b>	2	0.115	67	39
90	63	<b>761 066 746</b>	2	0.149	74	46
90	75	<b>761 066 745</b>	2	0.160	74	43
110	63	<b>761 066 747</b>	2	0.229	86	58
110	75	<b>761 066 749</b>	2	0.234	86	55
110	90	<b>761 066 748</b>	2	0.270	86	50

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5050

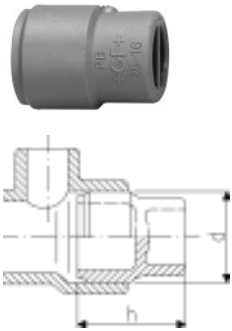
## Cap



d [mm]	Code	SP	kg	L [mm]
16	<b>761 066 650</b>	10	0.006	22
20	<b>761 066 651</b>	10	0.010	24
25	<b>761 066 652</b>	10	0.014	28
32	<b>761 066 653</b>	10	0.022	32
40	<b>761 066 654</b>	10	0.024	38
50	<b>761 066 655</b>	10	0.050	44
63	<b>761 066 656</b>	5	0.079	50

5051

## Plug



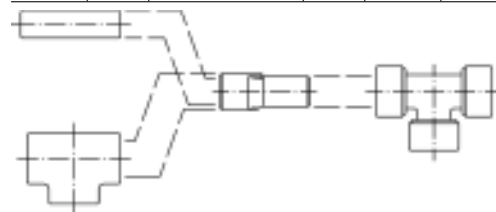
d [mm]	Code	SP	kg	h [mm]
25	<b>761 066 938</b>	10	0.008	33

5053

## Adaptor INSTAFLEX-Hepworth



d1 [mm]	d2 [mm]	Code	SP	kg	d [mm]	L [mm]
16	20	<b>761 066 326</b>	10	0.005	15	54

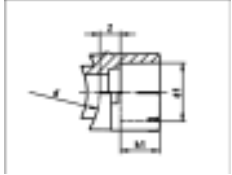


# INSTAFLEX®

5054

## Weld-in-Saddle

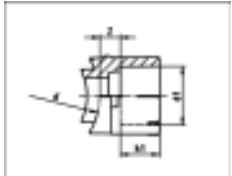
\* on request



d - d1 [mm]	Code	SP	kg	h1 [mm]	z [mm]
*40 - 20	<b>761 068 000</b>	5	0.011	15	11
50 - 20	<b>761 068 003</b>	5	0.011	15	11
50 - 25	<b>761 068 004</b>	5	0.014	18	11
50 - 32	<b>761 068 005</b>	5	0.020	20	11
63 - 20	<b>761 068 006</b>	5	0.012	15	11
63 - 25	<b>761 068 007</b>	5	0.016	18	11
63 - 32	<b>761 068 008</b>	5	0.022	20	11
75 - 20	<b>761 068 009</b>	5	0.014	15	12
75 - 25	<b>761 068 010</b>	5	0.017	18	12
75 - 32	<b>761 068 011</b>	5	0.022	20	12
90 - 20	<b>761 068 012</b>	5	0.018	15	13
90 - 25	<b>761 068 013</b>	5	0.021	18	13
90 - 32	<b>761 068 014</b>	5	0.027	20	13
110 - 20	<b>761 068 015</b>	5	0.019	15	14
110 - 25	<b>761 068 016</b>	5	0.022	18	14
110 - 32	<b>761 068 017</b>	5	0.020	20	14

5054

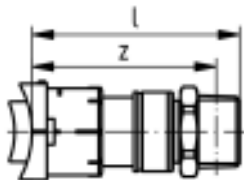
## Weld-in-Saddle



d - d1 [mm]	Code	SP	kg	h1 [mm]	z [mm]
125 - 32	<b>761 068 018</b>	5	0.035	20	16
125 - 40	<b>761 068 019</b>	5	0.056	22	16
125 - 50	<b>761 068 020</b>	5	0.072	25	16
160 - 32	<b>761 068 021</b>	5	0.045	20	16
160 - 40	<b>761 068 022</b>	5	0.061	22	16
160 - 50	<b>761 068 023</b>	5	0.077	25	16
225 - 32	<b>761 068 024</b>	5	0.076	20	16
225 - 40	<b>761 068 025</b>	5	0.076	22	16
225 - 50	<b>761 068 026</b>	5	0.092	25	16

5058

## Weld-in Saddle with male thread



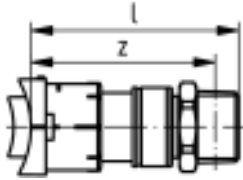
d - d1 [mm]	R [inch]	Code	SP	kg	l [mm]	z [mm]
50 - 25	3/4	<b>761 068 041</b>	2	0.147	91	66
63 - 32	1	<b>761 068 042</b>	2	0.220	95	70
75 - 32	1	<b>761 068 043</b>	2	0.220	96	71
90 - 32	1	<b>761 068 044</b>	2	0.224	97	72
110 - 32	1	<b>761 068 045</b>	2	0.244	98	73



# INSTAFLEX®

5058

## Weld-in Saddle with male thread



d - d1 [mm]	R [inch]	Code	SP	kg	l [mm]	z [mm]	
125 - 32	1	<b>761 068 046</b>	2	0.232	100	90	
160 - 32	1	<b>761 068 047</b>	2	0.232	100	90	
225 - 32	1	<b>761 068 048</b>	2	0.261	100	90	

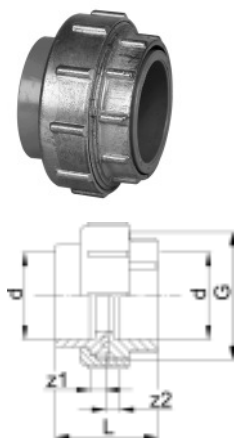
# INSTAFLEX®

## Union

5035

### Union, socket-socket

- including O-Ring, EPDM quality for potable water

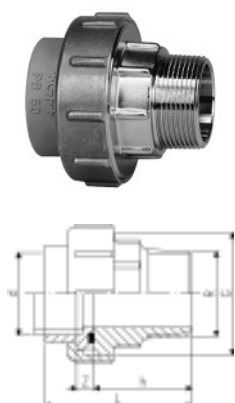


d [mm]	Code	SP	kg	L [mm]	z1 [mm]	z2 [mm]	G [inch]
16	<b>761 066 691</b>	10	0.135	43	8	5	1
20	<b>761 066 692</b>	10	0.150	43	8	5	1 1/4
25	<b>761 066 693</b>	10	0.200	49	8	5	1 1/2
32	<b>761 066 694</b>	5	0.295	53	8	5	2
40	<b>761 066 695</b>	5	0.450	59	10	5	2 1/2
50	<b>761 066 696</b>	2	0.560	65	10	5	2 3/4
63	<b>761 066 697</b>	2	0.900	71	10	5	3 1/2

5036

### Adaptor union socket-male thread

- including O-Ring, EPDM quality for potable water

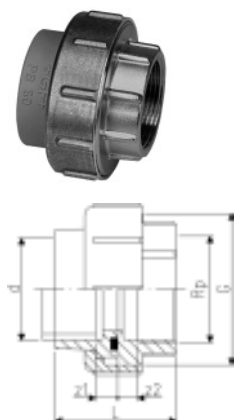


d [mm]	R [inch]	Code	SP	kg	L [mm]	h [mm]	z [mm]	G [inch]
16	1/2	<b>761 066 698</b>	10	0.262	61	38	8	1
20	1/2	<b>761 066 699</b>	10	0.150	63	40	8	1 1/4
25	3/4	<b>761 066 700</b>	10	0.320	67	41	8	1 1/2
32	1	<b>761 066 701</b>	5	0.340	73	45	8	2
40	1 1/4	<b>761 066 702</b>	5	0.560	80	48	10	2 1/2
50	1 1/2	<b>761 066 703</b>	2	0.800	83	48	10	2 3/4
63	2	<b>761 066 704</b>	2	0.900	92	54	10	3 1/2

5037

### Adaptor union, socket-female thread

- including O-Ring, EPDM quality for potable water



d [mm]	Rp [inch]	Code	SP	kg	L [mm]	z1 [mm]	z2 [mm]	G [inch]
16	1/2	<b>761 066 705</b>	10	0.207	45	8	9	1
20	1/2	<b>761 066 706</b>	10	0.120	47	8	10	1 1/4
25	3/4	<b>761 066 707</b>	10	0.280	50	8	9	1 1/2
32	1	<b>761 066 708</b>	5	0.270	53	8	8	2
40	1 1/4	<b>761 066 709</b>	5	0.600	58	10	7	2 1/2
50	1 1/2	<b>761 066 710</b>	2	0.700	61	10	7	2 3/4
63	2	<b>761 066 711</b>	2	0.720	66	10	5	3 1/2

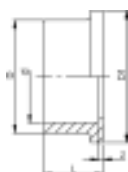
# INSTAFLEX®

## Flange Jointing

5030

### Flange adaptor flat

- suitable for flange or union nut



d [mm]	Code	SP	kg	L [mm]	h [mm]	D [mm]	D1 [mm]	z [mm]
16	<b>761 066 630</b>	10	0.005	20	6	22	29	5
20	<b>761 066 631</b>	10	0.007	20	6	27	34	5
25	<b>761 066 632</b>	10	0.010	23	7	33	41	5
32	<b>761 066 633</b>	10	0.016	25	7	41	50	5
40	<b>761 066 634</b>	10	0.025	27	8	50	61	5
50	<b>761 066 635</b>	10	0.034	30	8	61	73	5
63	<b>761 066 636</b>	2	0.060	33	9	76	90	5
75	<b>761 066 637</b>	2	0.090	35	10	90	106	4
90	<b>761 066 638</b>	2	0.130	42	11	109	125	6
110	<b>761 066 639</b>	2	0.230	49	12	131	150	7

5031

### Flange adaptor with groove

- suitable for flange or union nut
- including O-Ring, EPDM quality for potable water



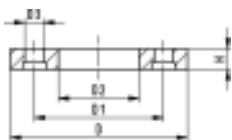
d [mm]	Code	SP	kg	L [mm]	D [mm]	D1 [mm]	z [mm]
16	<b>761 066 640</b>	10	0.006	23	22	29	8
20	<b>761 066 641</b>	10	0.008	23	27	34	8
25	<b>761 066 642</b>	10	0.012	26	33	41	8
32	<b>761 066 643</b>	10	0.018	28	41	50	8
40	<b>761 066 644</b>	10	0.030	32	50	61	10
50	<b>761 066 645</b>	10	0.040	35	61	73	10
63	<b>761 066 646</b>	2	0.071	38	76	90	10
75	<b>761 066 647</b>	2	0.090	40	90	106	9
90	<b>761 066 648</b>	2	0.130	47	109	125	11
110	<b>761 066 649</b>	2	0.230	55	131	150	13

# INSTAFLEX®

5085

## Backing flanges PN 16 IPP

- Material: Casting, GFK coated
- suitable for flange adaptor
- Tighten the screws with torque, as indicated
- Commercially available screws, nuts, washers



d [mm]	Code	SP	kg
20	<b>761 065 270</b>	2	0.400
25	<b>761 065 271</b>	2	0.500
32	<b>761 065 272</b>	2	0.500
40	<b>761 065 273</b>	2	0.600
50	<b>761 065 274</b>	2	0.800
63	<b>761 065 275</b>	2	0.900
75	<b>761 065 276</b>	2	1.200
90	<b>761 065 277</b>	2	1.200
110	<b>761 065 278</b>	2	1.500

d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	Tightening torque [N/mm <sup>2</sup> ]
20	106	65	28	14	18	4	M 12x 70	10
25	118	75	34	14	18	4	M 12x 75	15
32	122	85	42	14	17	4	M 12x 75	15
40	142	100	51	18	17	4	M 16x 80	20
50	156	110	62	18	19	4	M 16x 85	25
63	171	125	78	18	20	4	M 16x 85	35
75	191	145	92	18	21	4	M 16x 90	40
90	206	160	110	18	21	8	M 16x 90	40
110	226	180	133	18	22	8	M 16x 95	50

# INSTAFLEX®

## Accessories

5081

### Union nut

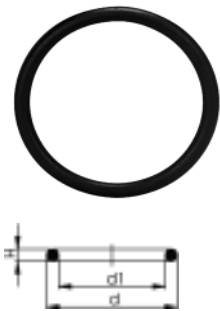
- suitable for flange adaptor and union



d [mm]	G [inch]	Code	SP	kg
16	1	<b>761 066 188</b>	-	0.120
20	1 ¼	<b>761 066 100</b>	-	0.090
25	1 ½	<b>761 066 101</b>	-	0.110
32	2	<b>761 066 102</b>	-	0.130
40	2 ½	<b>761 066 103</b>	-	0.180
50	2 ¾	<b>761 066 104</b>	-	0.210
63	2 ¾	<b>761 066 105</b>	-	0.313

5080

### O-Ring, EPDM quality for potable water



d [mm]	Code	SP	kg	d1 [mm]	D [mm]	H [mm]
16	<b>761 066 558</b>	-	0.002	19	26	4
20	<b>761 066 124</b>	-	0.002	23	31	4
25	<b>761 066 125</b>	-	0.002	28	35	4
32	<b>761 066 126</b>	-	0.003	36	43	4
40	<b>761 066 127</b>	-	0.003	44	55	5
50	<b>761 066 128</b>	-	0.004	53	64	5
63	<b>761 066 129</b>	-	0.007	69	80	5
75	<b>761 070 036</b>	-	0.006	82	93	5
90	<b>761 070 037</b>	-	0.008	101	112	5
110	<b>761 070 038</b>	-	0.016	120	134	7

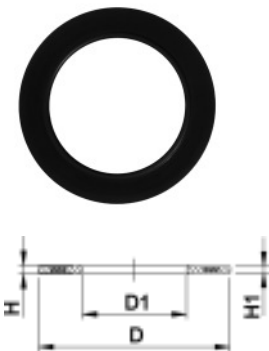
EPDM 48 44 07

### Profile Flange Gaskets metric EPDM

#### Model:

- For all Flange Adaptors
- G-ST-P/K Profile
- Hardness: 70° Shore EPDM

di FA are the suitable inner diameters of flange adaptors



d [mm]	DN [mm]	PN	EPDM Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	di FA [mm]
20	15	16	<b>748 440 706</b>	0.008	51	20	4	3	10 - 20
25	20	16	<b>748 440 707</b>	0.011	61	22	4	3	12 - 22
32	25	16	<b>748 440 708</b>	0.014	71	28	4	3	18 - 28
40	32	16	<b>748 440 709</b>	0.021	82	40	4	3	30 - 40
50	40	16	<b>748 440 710</b>	0.022	92	46	4	3	36 - 46
63	50	16	<b>748 440 711</b>	0.041	107	58	5	4	48 - 58
75	65	16	<b>748 440 712</b>	0.055	127	69	5	4	59 - 69
90	80	16	<b>748 440 713</b>	0.062	142	84	5	4	73 - 84
110	100	16	<b>748 440 714</b>	0.085	162	104	6	5	94 - 104
125	100	16	<b>748 440 715</b>	0.158	162	123	6	5	113 - 123
160 / 180	150	16	<b>748 440 717</b>	0.153	218	160	8	6	150 - 160
225	200	16	<b>748 440 720</b>	0.181	273	220	8	6	207 - 220

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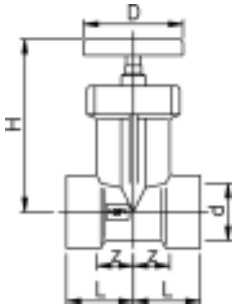
## PB-Valves and ball valves

5070

### Valve PB

- for socket fusion
- Gasket: EPDM quality for potable water
- Handwheel anthracite with green/red changeover disk

(do not use as drain valve)



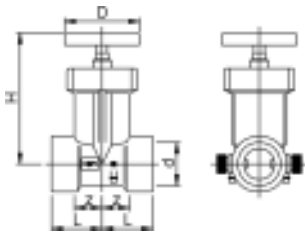
d [mm]	Code	SP	kg	H [mm]	L [mm]	z [mm]	D [mm]
20	<b>761 066 284</b>	1	0.270	86	40	25	70
25	<b>761 066 958</b>	8	0.340	86	40	22	70
32	<b>761 066 959</b>	10	0.350	91	43	23	70
40	<b>761 066 289</b>	4	1.000	155	55	33	90
50	<b>761 066 290</b>	4	1.050	155	60	35	90
63	<b>761 066 291</b>	3	1.235	155	75	47	90

5073

### Valve PB with spigot G 1/4" for drain

- for socket fusion
- Gasket: EPDM quality for potable water
- Handwheel anthracite with green/red changeover disk
- **Drain valve must be ordered seperately**

(do not use as drain valve)



d [mm]	Code	SP	kg	H [mm]	L [mm]	z [mm]	D [mm]
20	<b>761 066 272</b>	1	0.395	86	40	25	70
25	<b>761 066 273</b>	6	0.388	86	40	22	70
32	<b>761 066 274</b>	6	0.402	91	43	23	70
40	<b>761 066 275</b>	4	1.020	155	55	33	90
50	<b>761 066 276</b>	4	1.070	155	60	35	90
63	<b>761 066 277</b>	3	1.260	155	75	47	90

# INSTAFLEX®

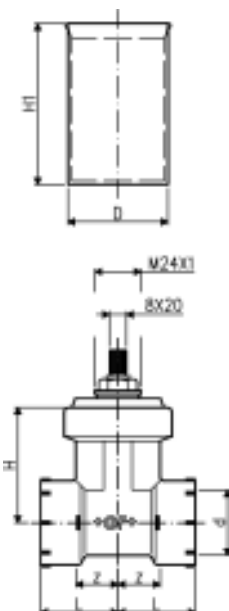
5075

## Valve PB concealed

- for finished mounting set ( e.g. GROHE / KLUDI / a. o. )
- for socket fusion
- Gasket: EPDM quality for potable water



(do not use as drain valve)

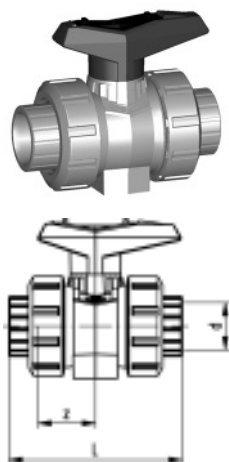


d [mm]	Code	SP	kg
20 (15)	<b>761 066 286</b>	1	0.350
25 (20)	<b>761 066 955</b>	8	0.340
32 (25)	<b>761 066 956</b>	8	0.360

5082

## Ball valve type 546 PVC-C / PB-Flange Adaptor

- non approval for potable water installation



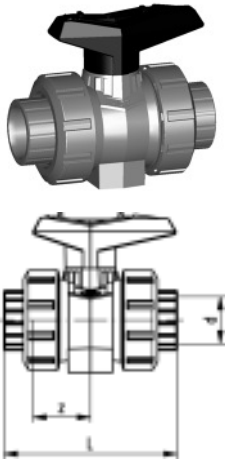
d [mm]	DN [mm]	PN	EPDM Code	SP	kg	L [mm]	z [mm]
20	15	16	<b>761 066 337</b>	1	0.160	95	33
25	20	16	<b>761 066 338</b>	1	0.245	108	38
32	25	16	<b>761 066 339</b>	1	0.365	118	39
40	32	16	<b>761 066 340</b>	1	0.660	137	47
50	40	16	<b>761 066 341</b>	1	0.890	147	49
63	50	16	<b>761 066 342</b>	1	1.650	168	46

# INSTAFLEX®

5088

## Ball valve type 546 PP / PB-Flange Adaptor

- non approval for potable water installation



d [mm]	DN [mm]	PN	EPDM Code	SP	kg	L [mm]	z [mm]	
20	15	16	<b>760 000 337</b>	1	0.115	95	33	
25	20	16	<b>760 000 338</b>	1	0.180	108	38	
32	25	16	<b>760 000 339</b>	1	0.255	118	39	
40	32	16	<b>760 000 340</b>	1	0.440	137	47	
50	40	16	<b>760 000 341</b>	1	0.610	147	49	
63	50	16	<b>760 000 342</b>	1	1.145	168	46	



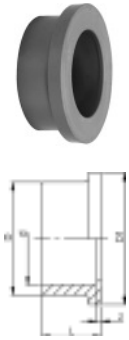
# INSTAFLEX®

## Accessories for PB-Valves and ball valves

5084

### PB Flange Adaptor

- suitable to ball valve 546



d [mm]	Code	SP	kg	L [mm]	h [mm]	D [mm]	D1 [mm]	z [mm]	
20	<b>761 066 940</b>	2	0.007	20	6	27	34	5	
25	<b>761 066 941</b>	2	0.011	23	7	33	41	5	
32	<b>761 066 942</b>	2	0.017	25	7	41	50	5	
40	<b>761 066 943</b>	2	0.027	27	8	50	61	5	
50	<b>761 066 944</b>	2	0.041	30	8	61	73	5	
63	<b>761 066 945</b>	2	0.074	33	9	76	90	5	



# INSTAFLEX

## Outlet Joints



- Outlet Joints
- Outlet Joints without Box
- Pipe outlet for lavatory cistern
- Pipe outlet for compressed air application
- Accessories for outlet joints
- Plates
- Fittings
- Fittings for Water Meter
- Manifolds in nonferrous metal
- Accessories for Fittings
- Service Cabinets
- Accessories for service cabinet
- Valves in metal

# INSTAFLEX®

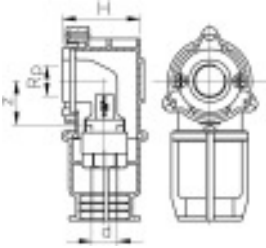
## Outlet Joints

3000

### Single pipe outlet 1/2"

Installation instruction:

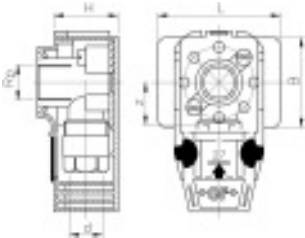
- not for prewall and wood-mounting installations



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	z [mm]	
16	1/2	<b>760 869 914</b>	10	0.241	48	28	
20	1/2	<b>760 856 021</b>	1	0.330	48	28	

3000

### Single pipe outlet 3/4"

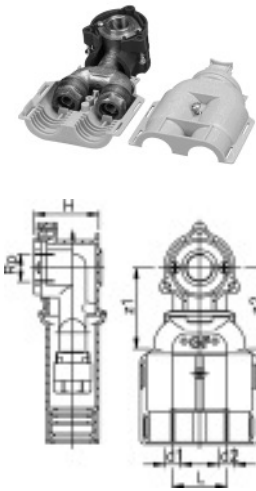


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	L [mm]	B [mm]	z [mm]	
20	3/4	<b>760 856 022</b>	1	0.350	46	70	50	28	

# INSTAFLEX®

3002

## Dual pipe outlet 1/2"



d1 [mm]	Rp [inch]	d2 [mm]	Code	SP	kg	H [mm]	L [mm]	z1 [mm]	z2 [mm]
16	1/2	16	<b>760 856 023</b>	10	0.510	48	40	67	67
16	1/2	20	<b>760 856 027</b>	1	0.600	48	40	67	69
20	1/2	16	<b>760 856 029</b>	1	0.600	48	40	69	67
20	1/2	20	<b>760 856 025</b>	1	0.670	48	40	69	69

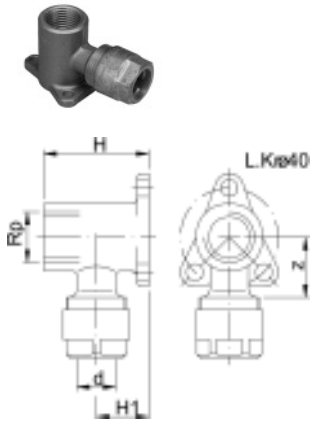
# INSTAFLEX®

## Outlet Joints without Box

3032

### Single pipe outlet, with flange

- Screw 760 856 040, self tapping M6 x16
- \* for GIS wall mounting

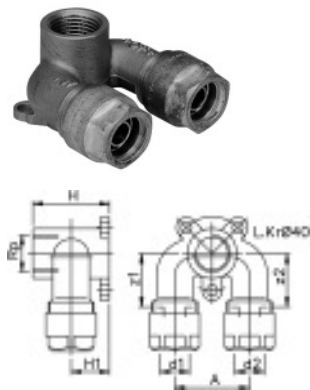


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	H1 [mm]	z [mm]
16	½	<b>760 853 013</b>	10	0.256	44	22	28
16	½	<b>760 856 036</b>	2	0.269	60	22	28
16	½	<b>760 856 037</b>	2	0.319	80	22	28
*16	½	<b>760 856 043</b>	2	0.280	100	22	28
20	½	<b>760 854 682</b>	10	0.330	44	25	28
20	¾	<b>760 853 038</b>	1	0.317	44	25	28

3043

### Dual pipe outlet, with flange

- Screw 760 856 040, self tapping M6 x16
- \* for GIS wall mounting

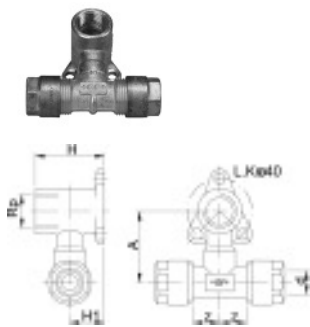


d1 [mm]	Rp [inch]	d2 [mm]	Code	SP	kg	H [mm]	H1 [mm]	A [mm]	z1 [mm]	z2 [mm]
16	½	16	<b>760 853 059</b>	1	0.325	44	22	40	30	30
*16	½	16	<b>760 856 045</b>	1	0.385	100	22	40	30	30
20	½	20	<b>760 869 902</b>	1	0.440	44	25	40	32	32

3030

### Dual pipe outlet, with flange

- Screw 760 856 040, self tapping M6 x16

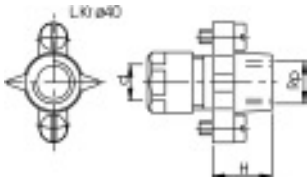


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	H1 [mm]	z [mm]
16	½	<b>760 853 014</b>	10	0.374	44	22	19

# INSTAFLEX®

3041

## Single pipe outlet, straight

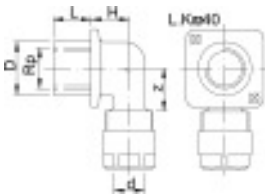


d [mm]	Rp [inch]	Code	SP	kg	H [mm]
16	½	<b>760 853 096</b>	1	0.167	36

3064

## Single pipe outlet, with flange

- Screw 760 856 040, self tapping M6 x16

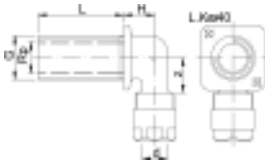


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	L [mm]	D [mm]	z [mm]
16	½	<b>760 869 904</b>	2	0.215	22	20	27	26

3066

## Single pipe outlet, with flange

- Screw 760 856 040, self tapping M6 x16



d [mm]	Rp [inch]	G [inch]	Code	SP	kg	H [mm]	L [mm]	z [mm]
16	½	¾	<b>760 856 041</b>	2	0.270	20	30	26
16	½	¾	<b>760 856 050</b>	2	0.240	20	42	26
16	½	¾	<b>760 869 906</b>	2	0.260	20	55	26
16	½	¾	<b>760 869 923</b>	2	0.360	20	100	26

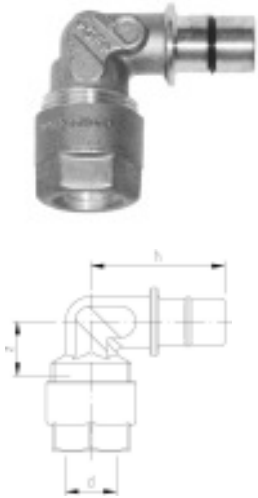
# INSTAFLEX®

## Pipe outlet for lavatory cistern

3077

### Pipe outlet for flushing cistern Meplafix 90°

- incl. protection cap



d [mm]	Code	SP	kg	h [mm]	z [mm]
16	760 856 049	1	0.133	43	21

3071

### Single pipe outlet

- with fastening set



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	L [mm]	z [mm]	G [inch]
16	½	760 856 011	5	0.200	22	14	26	1

3073

### Dual pipe outlet, not interchangeable

- with fastening set



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	L [mm]	z [mm]	G [inch]
16	½	760 856 013	5	0.340	22	14	26	1

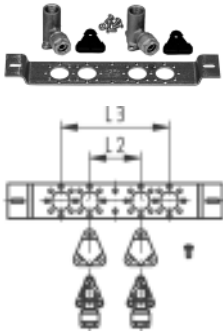


# INSTAFLEX®

3173

## Pipe outlet GIS

- consisting: 1 Distance plate, 2 Rubber isolator, 6 screws,  
2 Single pipe Outlet d16-1/2"



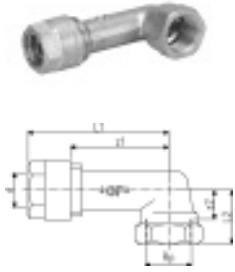
Code	SP	kg	L1 [mm]	L2 [mm]	
760 856 010	1	0.982	153	73	

# INSTAFLEX®

## Pipe outlet for compressed air application

3367

### Single pipe outlet, 90°



d [mm]	Rp [inch]	Code	SP	kg	L1 [mm]	L2 [mm]	z1 [mm]	z2 [mm]	
16	½	<b>760 854 882</b>	5	0.204	67	30	46	17	
20	½	<b>760 854 883</b>	5	0.210	74	30	48	17	
20	¾	<b>760 854 884</b>	5	0.260	76	30	50	16	
25	¾	<b>760 854 886</b>	2	0.455	93	30	59	16	

# INSTAFLEX®

## Accessories for outlet joints

3011

### Cover for single pipe outlet



d-d [mm]	Code	SP	kg	
16 - 20	<b>760 856 008</b>	10	0.036	

3012

### Cover for dual pipe outlet



d-d [mm]	Code	SP	kg	
16 - 20	<b>760 856 009</b>	10	0.043	

# INSTAFLEX®

3067

## Fastening set

- appropriate to outlet joint with male thread
- consists of: Union nut, washer, seal
- from the INSTAFLEX range

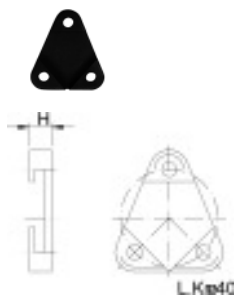


G [inch]	Code	SP	kg	
¾	760 854 699	10	0.045	

3172

## Rubber isolator

- suitable for single and dual pipe outlets



Code	SP	kg	H [mm]	z [mm]	
760 856 205	20	0.007	9	3	

3805

## Screw for outlets with black box



M	Code	SP	kg	L [mm]	
M6	760 853 023	10	0.005	20	

3831

## Plug for mounting bolt

- from the INSTAFLEX range



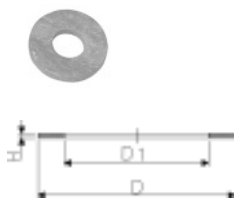
M	Code	SP	kg	
M12	760 854 918	10	0.008	

# INSTAFLEX®

3832

## Seal for mounting bolt

- from the INSTAFLEX range

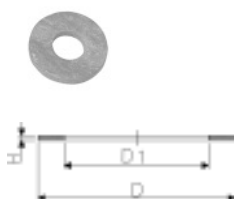


Code	SP	kg	D [mm]	D1 [mm]	H [mm]
760 854 045	10	0.003	10	4	2

3827

## Seal for wall inlet plug

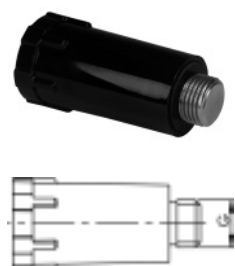
- from the INSTAFLEX range



Code	SP	kg	D [mm]	D1 [mm]	H [mm]
760 853 175	10	0.002	29	19	3

3937

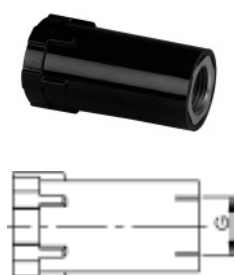
## Wall inlet plug



G [inch]	Code	SP	kg
½	760 853 297	10	0.088

3938

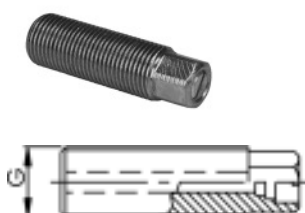
## Fastening sleeve



G [inch]	Code	SP	kg
½	760 853 298	10	0.051

3936

## Mounting bolt



G [inch]	Code	SP	kg
½	760 853 291	5	0.141

# INSTAFLEX®

## Plates

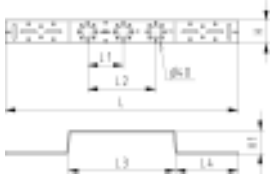
3100

### Angular plate

- with hole circle 40 and thread M 6
- from the INSTAFLEX range



\*suitable also for GIS

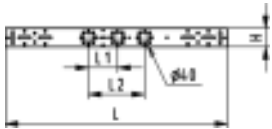


	Code	SP	kg	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
single	<b>760 869 917</b>	5	0.310	50	51	370			80	145
double	<b>760 869 916</b>	5	0.560	50	51	470	100		180	145
*double	<b>760 856 042</b>	5	0.600	50	51	523		153	233	145
*triple	<b>760 869 915</b>	5	0.600	50	51	523	80	153	233	145

3101

### Distance plate flat

- with hole circle 40 and thread M 6
- from the INSTAFLEX range

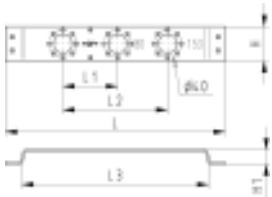


	Code	SP	kg	H [mm]	L [mm]	L1 [mm]	L2 [mm]
single	<b>760 869 920</b>	5	0.460	50	452		
double	<b>760 869 919</b>	5	0.560	50	552	100	
triple	<b>760 869 918</b>	5	0.600	50	605	80	153

3102

### Distance plate for dry lined walls

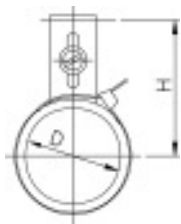
- lightweight construction walls
- with hole circle 40 and thread M 6



Code	SP	kg	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
<b>760 869 921</b>	5	0.350	50	21	321	80	153	273

3152

### Bracket for waste pipe



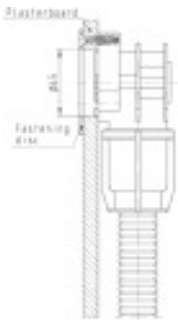
Code	SP	kg	D [mm]	H [mm]
<b>760 854 677</b>	1	0.080	56	65 - 80

# INSTAFLEX®

3171

## Fastening disc

- for lightweight construction walls with single armature connection/double armature connection with 1/2" thread
- from the INSTAFLEX range



including screws

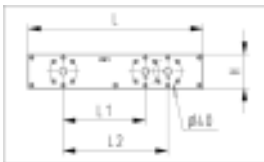
Code	SP	kg	
<b>760 856 204</b>	2	0.050	

3154/3155/3168

## Distance plate

- for single and dual pipe outlets

\* additional also for pipe outlet with blue box for assembly on wood



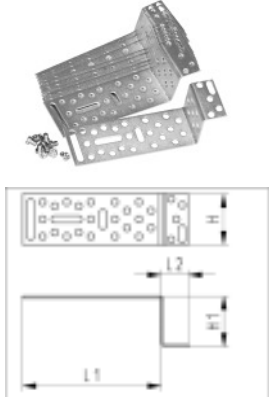
	Code	SP	kg	H [mm]	L [mm]	L1 [mm]	L2 [mm]	
3154	<b>760 853 722</b>	5	0.277	50	202	77	100	
3155	<b>760 853 723</b>	10	0.365	50	255	120	153	
*3168	<b>760 869 907</b>	10	0.330	50	255	120	153	

# INSTAFLEX®

3156

## Angular support

including screws

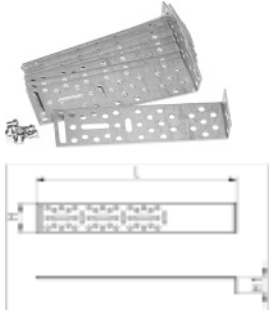


Code	SP	kg	H [mm]	H1 [mm]	L1 [mm]	L2 [mm]
760 853 080	10	0.135	50	50	138	27

3157

## Angular support for double wall

including screws

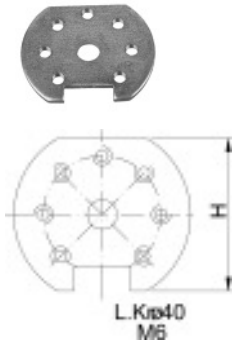


Code	SP	kg	L [mm]	H [mm]	H1 [mm]
760 854 683	10	0.296	350	50	28

3817

## Plate

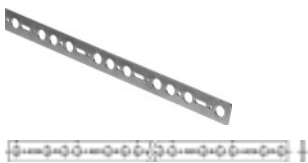
- for single pipe outlet



Code	SP	kg	H [mm]
760 853 064	1	0.076	50

3935

## Installation bar, length 2 m



Code	SP	kg
760 853 683	5	2.840



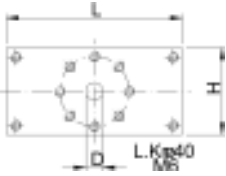
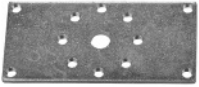
# INSTAFLEX®

3153/3169

## Plate

available as long as stock exist in CR  $\emptyset$  25/32.

\* additional also for pipe outlet with blue box for assembly on wood



	Code	SP	kg	D [mm]	H [mm]	L [mm]	
*3169	<b>760 869 908</b>	10	0.135	29	50	102	

3936

## Mounting bolt



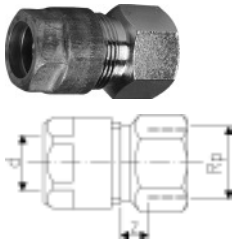
G [inch]	Code	SP	kg	
1/2	<b>760 853 291</b>	5	0.141	

# INSTAFLEX®

## Fittings

3301

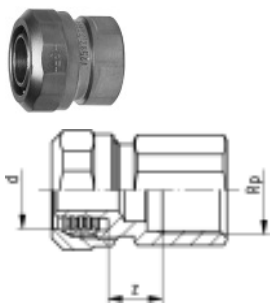
### Adaptor with female thread



d [mm]	Rp [inch]	Code	SP	kg	z [mm]
16	½	<b>760 853 104</b>	5	0.125	12
16	¾	<b>760 853 105</b>	5	0.128	15
20	½	<b>760 853 194</b>	5	0.196	14
20	¾	<b>760 853 153</b>	5	0.182	15

3301

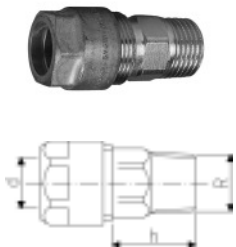
### Adaptor with female thread



d [mm]	Rp [inch]	Code	SP	kg	z [mm]	Remarks
25	¾	<b>760 856 231</b>	10	0.165	7	
25	1	<b>760 856 232</b>	10	0.209	13	
32	1	<b>760 856 233</b>	10	0.317	7	
40	1 ¼	<b>760 856 234</b>	10	0.453	7	
50	1 ½	<b>760 856 235</b>	5	0.625	7	
63	2	<b>760 856 236</b>	1	1.570	9	
75	2 ½	<b>760 856 248</b>	1	1.976	10	without approval
90	3	<b>760 856 261</b>	1	0.800	9	without approval
110	4	<b>760 856 262</b>	1	1.000	38	without approval

3310

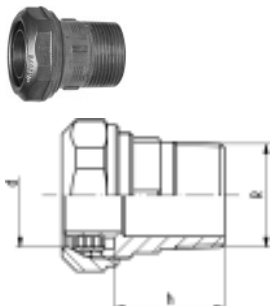
### Adaptor with male thread



d [mm]	R [inch]	Code	SP	kg	h [mm]
16	½	<b>760 853 107</b>	5	0.111	30
16	¾	<b>760 853 108</b>	5	0.161	34
20	½	<b>760 853 195</b>	5	0.202	38
20	¾	<b>760 853 138</b>	5	0.222	36

3310

### Adaptor with male thread



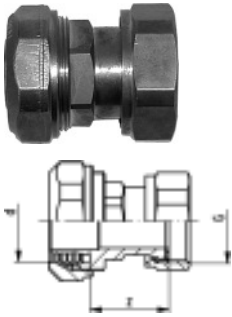
d [mm]	R [inch]	Code	SP	kg	h [mm]	Remarks
25	¾	<b>760 856 241</b>	10	0.149	35	
25	1	<b>760 856 242</b>	10	0.175	41	
32	1	<b>760 856 243</b>	10	0.256	42	
40	1 ¼	<b>760 856 244</b>	10	0.343	44	
50	1 ½	<b>760 856 245</b>	5	0.490	47	
63	2	<b>760 856 246</b>	1	0.812	32	
75	2 ½	<b>760 856 247</b>	1	1.127	37	without approval
90	3	<b>760 856 263</b>	1	0.800	32	without approval
110	4	<b>760 856 264</b>	1	1.000	38	without approval

# INSTAFLEX®

6216

## Adaptor with loose union nut, flat seal

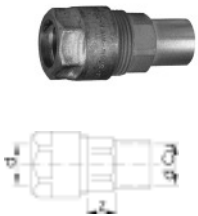
- including gasket, tesnit blue free of asbestos, according to DIN 3754



d [mm]	G [inch]	Code	SP	kg	z [mm]
25	¾	<b>761 069 539</b>	10	0.172	28
25	1	<b>761 069 540</b>	10	0.235	34
25	1 ¼	<b>761 069 541</b>	10	0.266	27
32	1	<b>761 069 542</b>	10	0.342	36
32	1 ¼	<b>761 069 543</b>	10	0.385	39
32	1 ½	<b>761 069 544</b>	10	0.410	30
40	1 ¼	<b>761 069 545</b>	10	0.439	40
40	1 ½	<b>761 069 546</b>	10	0.503	43
40	2	<b>761 069 547</b>	5	0.640	33
50	1 ¾	<b>761 069 548</b>	5	0.910	44
50	2 ¼	<b>761 069 549</b>	5	0.950	33
63	2 ¾	<b>761 069 550</b>	2	1.900	36
63	2 ¾	<b>761 069 551</b>	2	2.600	34

3320

## Adaptor with soldering end, socket



d [mm]	dCu [mm]	Code	SP	kg	z [mm]
16	15	<b>760 853 114</b>	2	0.097	14
16	18	<b>760 853 196</b>	2	0.093	12
20	18	<b>760 853 197</b>	2	0.168	14
20	22	<b>760 853 139</b>	2	0.156	11

3321

## Adaptor with soldering end, spigot



d [mm]	dCu [mm]	Code	SP	kg	h [mm]
16	15	<b>760 853 113</b>	2	0.097	28
16	18	<b>760 853 198</b>	2	0.103	30
20	18	<b>760 853 199</b>	2	0.135	35
20	22	<b>760 854 700</b>	2	0.155	38

3330

## Socket

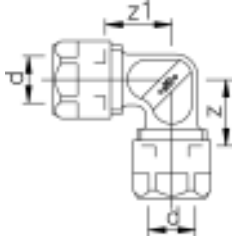


d [mm]	Code	SP	kg	z [mm]
16	<b>760 853 124</b>	2	0.196	26
20	<b>760 853 151</b>	2	0.294	28

# INSTAFLEX®

3363

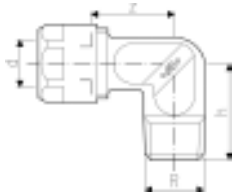
## Elbow 90°



d [mm]	Code	SP	kg	z [mm]	z1 [mm]
16	<b>760 854 842</b>	5	0.199	22	22
20	<b>760 854 843</b>	5	0.262	24	24

3364

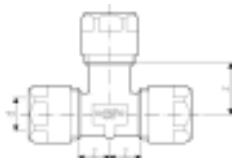
## Adaptor elbow 90° with male thread



d [mm]	R [inch]	Code	SP	kg	h [mm]	z [mm]
16	1/2	<b>760 854 838</b>	5	0.171	35	27
16	3/4	<b>760 854 839</b>	5	0.184	35	27
20	1/2	<b>760 869 991</b>	5	0.190	35	29
20	3/4	<b>760 854 840</b>	5	0.208	35	29
25	3/4	<b>760 854 819</b>	2	0.500	40	29

3350

## Tee 90°, equal

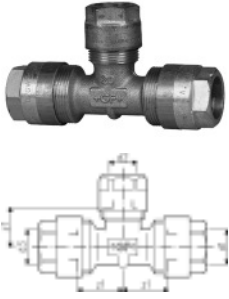


d [mm]	Code	SP	kg	z [mm]
16	<b>760 853 125</b>	2	0.259	22
20	<b>760 853 131</b>	2	0.388	24

# INSTAFLEX®

3355/3356/3357

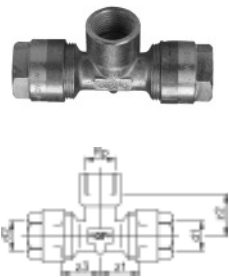
## Tee 90°, reduced



d3 [mm]	d1 [mm]	d2 [mm]	Code	SP	kg	z1 [mm]	z2 [mm]	z3 [mm]
20	20	16	<b>760 853 136</b>	2	0.360	24	23	23
16	20	16	<b>760 853 140</b>	2	0.330	24	23	23
16	20	20	<b>760 853 137</b>	2	0.319	24	24	23

3359

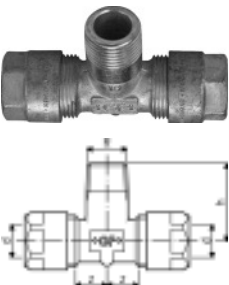
## Adaptor Tee with female thread



d [mm]	Rp [inch]	Code	SP	kg	z1 [mm]	z2 [mm]	z3 [mm]
20	½	<b>760 854 841</b>	5	0.320	24	22	24

3358

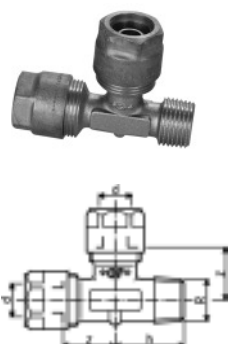
## Adaptor Tee with male thread



d [mm]	R [inch]	Code	SP	kg	z [mm]	h [mm]
16	½	<b>760 854 711</b>	2	0.225	19	38
20	½	<b>760 856 211</b>	2	0.327	24	39

3360

## Adaptor Tee with male thread



d [mm]	R [inch]	Code	SP	kg	z [mm]	h [mm]
16	½	<b>760 869 987</b>	2	0.200	22	30

# INSTAFLEX®

## Fittings for Water Meter

3312

### Adaptor union flat seal with male thread

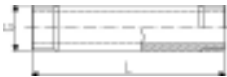
- including gasket, tesnit blue free of asbestos, according to DIN 3754



R [inch]	G [inch]	Code	SP	kg	h [mm]	
3/4	3/4	760 854 716	2	0.106	37	

3314

### Adaptor pipe



G [inch]	Code	SP	kg	L [mm]	
3/4	760 854 717	1	0.244	110	

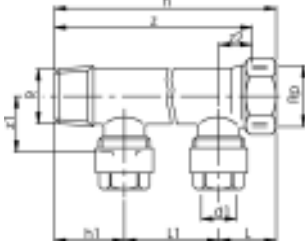
# INSTAFLEX®

## Manifolds in nonferrous metal

3270

### Manifold 90°, 3/4" (DN 20)

- Metal with compression connections

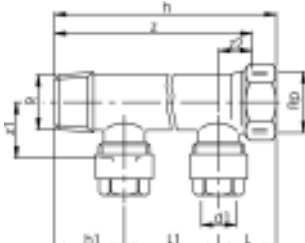


d [mm]	Rp [inch]	R [inch]		Code	SP	kg	h [mm]	h1 [mm]	L [mm]	L1 [mm]	z [mm]	z1 [mm]	z2 [mm]
16	3/4	3/4	1-fold	<b>760 853 189</b>	5	0.207	59	31	28	0	45	24	14
20	3/4	3/4	1-fold	<b>760 853 190</b>	5	0.264	69	36	33	0	55	26	19
16	3/4	3/4	2-fold	<b>760 853 180</b>	5	0.383	104	31	28	45	90	24	14
16	3/4	3/4	3-fold	<b>760 853 181</b>	5	0.560	149	31	28	45	135	24	14
16	3/4	3/4	4-fold	<b>760 853 182</b>	5	0.718	194	31	28	45	180	24	14

3250

### Manifold 90°, 1" (DN 25)

- Metal with compression connections



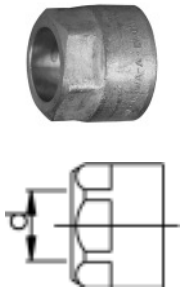
d [mm]	Rp [inch]	R [inch]		Code	SP	kg	h [mm]	h1 [mm]	L [mm]	L1 [mm]	z [mm]	z1 [mm]	z2 [mm]
16	1	1	1-fold	<b>760 854 860</b>	5	0.210	62	34	28	0	45	29	11
20	1	1	1-fold	<b>760 854 855</b>	5	0.260	75	42	33	0	58	29	16
16	1	1	2-fold	<b>760 854 861</b>	1	0.460	107	34	28	45	90	29	11
20	1	1	2-fold	<b>760 854 892</b>	5	0.640	135	42	33	60	118	29	16
16	1	1	3-fold	<b>760 854 862</b>	1	0.670	152	34	28	45	135	29	11
16	1	1	4 fold	<b>760 854 863</b>	1	0.860	197	34	28	45	180	29	11

# INSTAFLEX®

## Accessories for fittings

3800

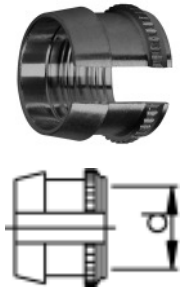
### Union nut



d [mm]	Code	SP	kg	
16	<b>760 853 018</b>	5	0.032	
20	<b>760 853 071</b>	2	0.043	

3801

### Clamping ring



d [mm]	Code	SP	kg	
16	<b>760 853 019</b>	5	0.014	
20	<b>760 853 072</b>	2	0.020	

3211

### Cap

- including seal

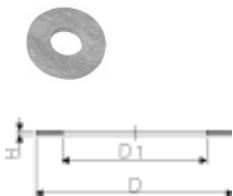


d [mm]	Code	SP	kg	
16	<b>760 853 110</b>	5	0.051	
20	<b>760 853 150</b>	5	0.094	

3803

### Seal for cap

- Material: Tesnit UNI blue, free of asbestos according to DIN 3754



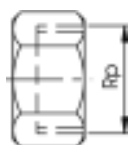
d-d [mm]	Code	SP	kg	D [mm]	D1 [mm]	H [mm]	
16 - 20	<b>760 853 021</b>	5	0.003	15	6	3	



# INSTAFLEX®

3266

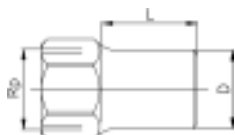
## Cap



Rp [inch]	Code	SP	kg			
3/4 1	<b>760 853 794</b>	5	0.084			
	<b>760 853 706</b>	5	0.134			

3268

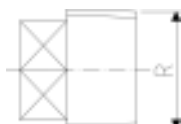
## Cap long



Rp [inch]	Code	SP	kg	L [mm]	D [mm]	
3/4 1	<b>760 853 596</b>	5	0.162	34	27	
	<b>760 853 527</b>	5	0.209	34	32	

3267

## Plug



R [inch]	Code	SP	kg			
3/4 1	<b>760 853 792</b>	5	0.050			
	<b>760 853 793</b>	5	0.084			

3264

## Plug long

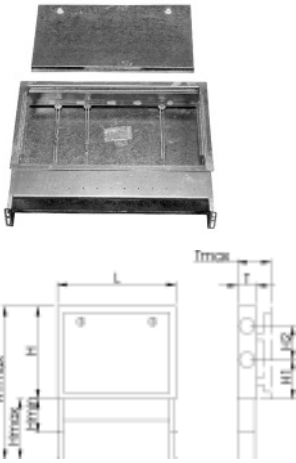


R [inch]	Code	SP	kg	D [mm]	L [mm]	
3/4 1	<b>760 869 989</b>	5	0.150	27	52	
	<b>760 869 990</b>	5	0.200	33	54	

# INSTAFLEX®

## Service Cabinets

3240

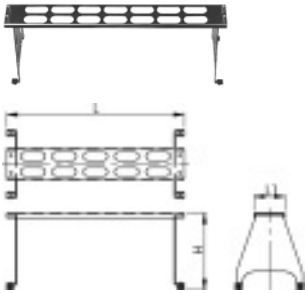


L [mm]	H [mm]	T [mm]	Code	SP	kg	H1 [mm]	H2 [mm]	H min. [mm]	H max. [mm]	T min. [mm]	T max. [mm]
600	500	100	<b>760 856 201</b>	1	13.000	200	175	200	350	100	175
750	500	100	<b>760 856 202</b>	1	15.000	200	175	200	350	100	175

3248

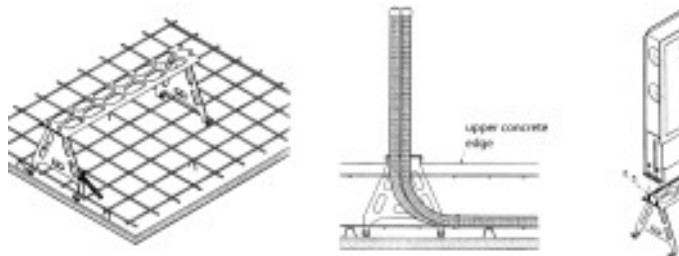
### Support with pipe guidance

- can also be used as laying aids



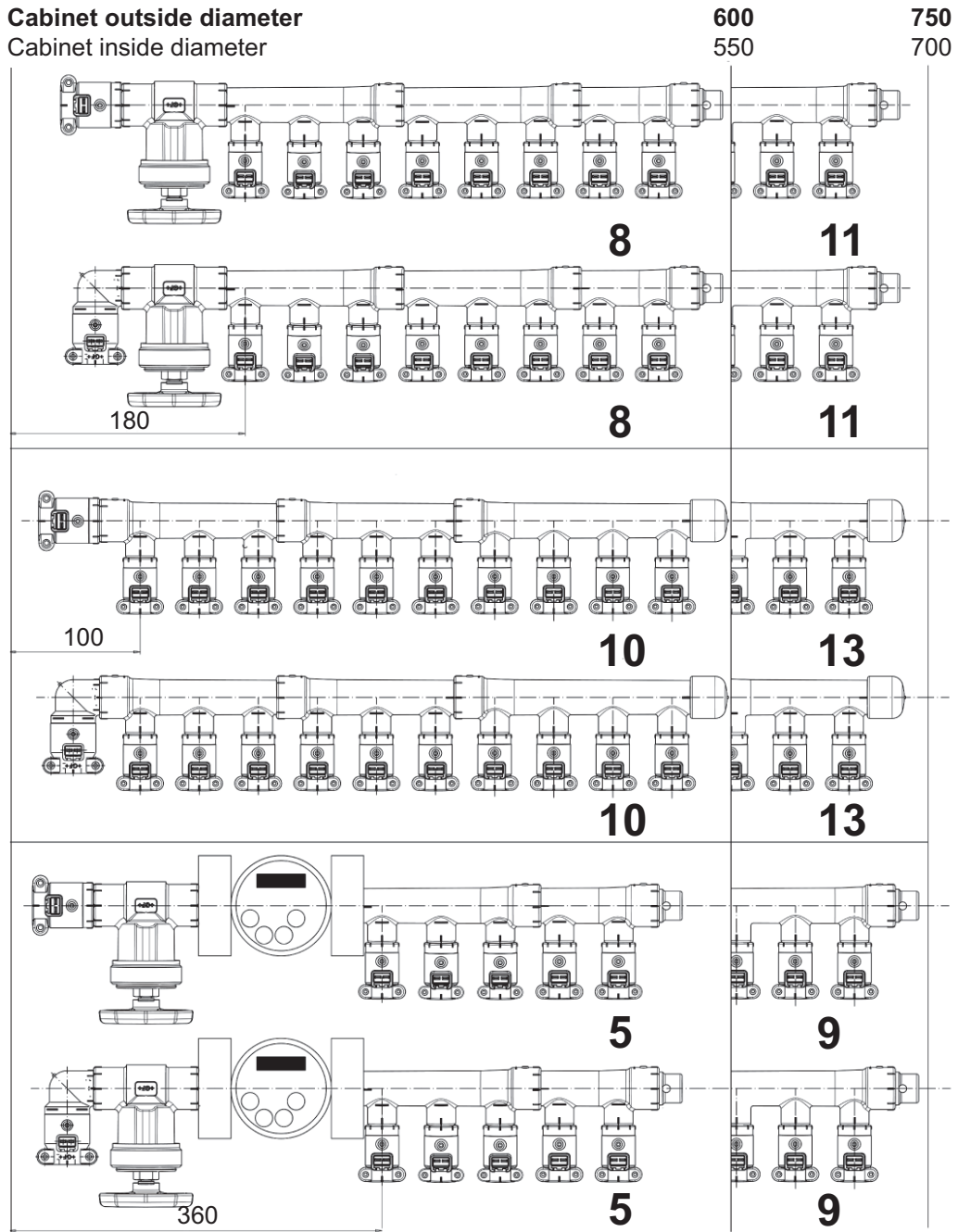
to service cabinet	Code	SP	kg	screw holes	L [mm]	L1 [mm]	H [mm]
600	<b>760 856 207</b>	1	2.500	6	600	100	270
750	<b>760 856 208</b>	1	2.800	7	750	100	270

#### Application example



# Distributor in the cabinet

Number of outlets according to cabinet size for PB distributors d25 and metal distributors 3/4" and 1"



Cabinet size:	600	750
Distributor with valve	8	11
Distributor only	10	13
Distributor with valve and water meter	5	9

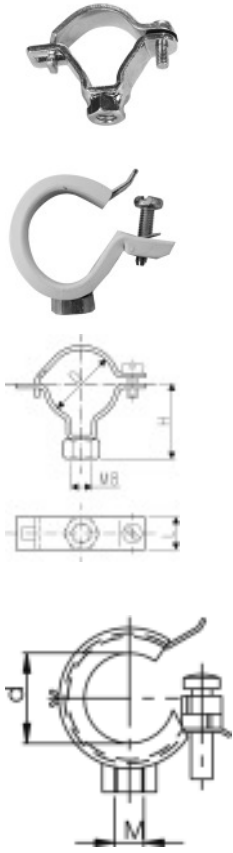
# INSTAFLEX®

## Accessories for service cabinet

3292 / 3286

### Mounting bracket M8

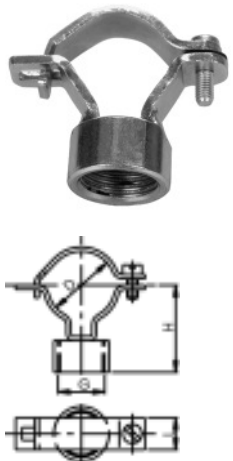
- for service cabinet



manifold	Code	SP	kg	D [mm]	H [mm]	L [mm]	Version
3292 3/4	<b>760 853 187</b>	10	0.051	26	32	15	without rubber
3286 3/4	<b>760 856 212</b>	10	0.029	26	30	18	with rubber

3293

### Mounting bracket G1/2"



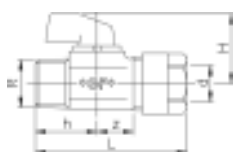
manifold	Code	SP	kg	D [mm]	H [mm]	L [mm]	G [inch]
3/4	<b>760 853 128</b>	10	0.084	26	38	15	1/2

# INSTAFLEX®

## Valves in Metal

3430

### Ball valve with male thread

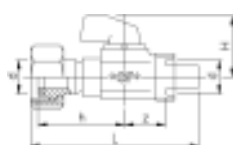


d [mm]	R [inch]	Code	SP	kg	L [mm]	H [mm]	h [mm]	z [mm]
16	½	<b>760 853 229</b>	2	0.265	70	32	28	20
20	¾	<b>760 853 230</b>	2	0.320	78	32	32	20

3431

### Ball valve suitable on compression connection

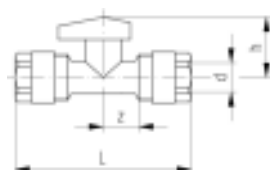
- including gasket, tesnit blue free of asbestos, according to DIN 3754



d [mm]	Code	SP	kg	L [mm]	H [mm]	h [mm]	z [mm]	M
16	<b>760 853 231</b>	2	0.310	94	32	53	20	25
20	<b>760 853 232</b>	2	0.370	101	32	57	20	30

3434

### Valves in Metal with compression joints



d [mm]	Code	SP	kg	L [mm]	h [mm]	z [mm]
16/16	<b>760 853 236</b>	2	0.265	78	40	21
20/20	<b>760 853 237</b>	2	0.600	84	40	21



# INSTAFLEX

## Tools



- General Tools
- Machines and Tools for electrofusion
- Machines and Tools for Socket Fusion Jointing
- Tools for Compression Joints
- Tools for INSTAFLEX BIG

# INSTAFLEX®

## General Tools

3908

### Pipe shears



d-d [mm]	Code	SP	kg
16 - 25	760 853 279	1	0.269

3911

### Cutter for protective piper



d	Code	SP	kg
16/20	760 853 273	1	0.087
Spare blades	760 853 287	1	0.011



### PPC Plastic pipe cutter

- For cutting plastic pipes d10 - d160

d-d [mm]	Article	Code	SP	kg
10 - 63	PPC 63, s max. = 7.2mm	790 109 001	-	0.710
50 - 110	PPC 110, s max. = 12.7mm	790 109 002	-	1.400
110 - 160	PPC 160, s max. = 19.0mm	790 109 003	-	2.220



### Replacement cutting wheels

- for plastic pipe cutter

d-d [mm]	Article	Code	SP	kg
10 - 63	SR 63 max. s=7,2 mm	790 109 011	-	0.004
50 - 110	SR 110/160 max. s=12,7 mm	790 109 012	-	0.017
110 - 160	SR 160 max. s=19,0 mm	790 109 013	-	0.023



### KS Tangit Cleaner

- Special cleaning agent for plastic fusion connections with PP, PE, PVDF and PB.

Code	SP	kg
799 298 023	-	0.890

### Tangit KS-Cleaning Tissues



Code	SP	kg
799 298 024	8	3.245



# INSTAFLEX®

## Machines and Tools for electrofusion

6000



### Electrofusion control unit Type HWSG-3

- Technical data: Voltage 230V, Power max 1400W, Frequency 50/60Hz, Protection class IP 54, Main connection (3m) with Euro standard plug
- \* only for CH / with swiss plug

d-d [mm]	Code	SP	kg	Dimensions [mm]	Size [mm]
16 - 110	761 069 021	1	4.070	294	324
*16 - 110	761 069 020	1	4.070	294	324

6001



### Welding cable angle, for electrofusion fittings for HWSG-3 230V

- matches to HWSG 3 - 230V

d [mm]	Code	SP	kg	Length [m]
16 / 110	761 069 006	1	0.512	3.00

6001



### Welding cable straight, for electrofusion fittings for HWSG-3 230V

- matches to HWSG 3 - 230V

d [mm]	Code	SP	kg	Length [m]
16 / 110	761 069 001	1	0.512	3.00

6001



### Welding cable triple 8 m, for electrofusion fittings for HWSG-3 230V

- 2 pcs. with cable straight
- 1 pcs. with cable angle
- matches to HWSG 3 - 230V

\* on request

Code	SP	kg	Length [m]
*761 069 008	1	2.512	8.00

6006



### Ball-head socket wrench crossbar handle

d-d [mm]	Code	SP	kg	SW [mm]
16 - 63	761 066 843	2	0.038	3
75 - 110	761 066 844	2	0.038	4

6007



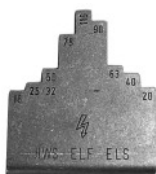
### 1/4" screwdriver bit with ball-head

d-d [mm]	Code	SP	kg	SW [mm]
16 - 63	761 066 845	5	0.007	3
75 - 110	761 066 846	5	0.007	4

# INSTAFLEX®

5314

## Template, electrofusion jointing



d-d [mm]	Code	SP	kg
16 - 110	761 069 602	1	0.065

6000

## Electrofusion control unit Type HWSG-3



- including welding cable for fittings without tool case, primary cable 110V, primary cable 230V
- Voltage 110-230 V, Power max. 1500W
- Technical specifications
- Frequency 47/65Hz
- Protection class IP 54

Code	SP	kg
761 069 015	1	11.500

6001

## Welding cable angle PUR, for electrofusion fittings for HWSG-3 110V



Code	SP	kg
761 069 011	1	0.300

6001

## Welding cable PUR straight, for electrofusion fittings for HWSG-3 110V



- matches to HWSG 3 - 110V

d [mm]	Code	SP	kg	Length [m]
16 / 110	761 069 016	1	0.300	3.00

6005

## Primary cable 110V



	Code	SP	kg	Length [m]
110V	761 069 012	1	0.400	3.00

6005

## Primary cable 230V



Code	SP	kg	Length [m]
761 069 013	1	0.380	3.00

# INSTAFLEX®

## Machines and Tools for Socket Fusion Jointing

5100



### Heating element, complete 230V

- Consisting of: Metal case, Heating element with electronic temperature regulation Voltage 230 Volt, Power 800W, Heating bushes d16-d63, Tempil sticks 253°C and 274°C, Timer, Template, Gloves, Support, Grip, Pipe shears, Pipe cutter d32-d63, Chamfering too
- \* only for CH / with swiss plug

\*\*Type with 110 volt on request

d-d [mm]	Code	SP	kg
16 - 63	<b>761 066 802</b>	-	11.300
*16 - 63	<b>761 066 750</b>	-	11.300
**16 - 63	<b>761 066 811</b>	-	7.000

5120



### Socket fusion machine

- Consisting of: packed on wooden case, to use as working table, prism clamp device for pipes, round clamping units for fittings d16-d63, pipe support adjustable.
- **without heating element. Requires heating element catalogue number 5100.**

d-d [mm]	Code	SP	kg
16 - 63	<b>761 066 841</b>	-	55.000

5121



### Heating bushes set

- Consisting of: Metal case, Heating bushes d16-d63, Tempil sticks 253°C and 274°C, Timer, Template, Gloves, Instruction for socket fusion jointing

d-d [mm]	Code	SP	kg
16 - 63	<b>761 066 754</b>	-	6.470

5101



### Heating element 230V

- Consisting of: electronic temperature regulation, Voltage 230V, Power 800W, Instruction for the socket fusion jointing
- \* only for CH / with swiss plug

\*\*Type with 110 volt on request

d-d [mm]	Code	SP	kg
16 - 63	<b>761 066 804</b>	1	1.550
*16 - 63	<b>761 066 751</b>	1	2.060
**16 - 63	<b>761 066 812</b>	1	2.060

# INSTAFLEX®

5101

## Heating element 30° 230V

- special for weld-in-saddle



D [mm]	Code Code	SP	kg
50 - 110	761 066 877	1	1.550

5102

## Support

- as a storage possibility for Handheld welding torch



Code	SP	kg
761 066 801	1	0.970

5130

## Heating bushes

- The INSTAFLEX heating bushes used for jointing Polybutene d75, d90, d110 are also available at +GF+



d [mm]	Code	SP	kg
16	761 066 756	1	0.080
20	761 066 757	1	0.120
25	761 066 758	1	0.150
32	761 066 759	1	0.210
40	761 066 760	1	0.295
50	761 066 761	1	0.450
63	761 066 762	1	0.600

5056

## Heating bushes for weld-in-saddle PB



d-d-d [mm]	Code	SP	kg
40 - 20 - 32	761 068 027	1	0.132
50 - 20 - 32	761 068 028	1	0.161
63 - 20 - 32	761 068 029	1	0.200
75 - 20 - 32	761 068 030	1	0.213
90 - 20 - 32	761 068 031	1	0.272
110 - 20 - 32	761 068 032	1	0.298

5057

## Drill bitt for weld-in-saddle



d [mm]	Code	SP	kg
20 - 32	761 068 039	1	0.120
40 - 50	761 068 040	1	0.130

5302

## Chamfering tool



d-d [mm]	Code	SP	kg
25 - 63	761 066 794	1	0.650
75 - 110	761 066 836	1	0.830

# INSTAFLEX®

5303

## Spare blades for Chamfering tool



d-d [mm]	Code	SP	kg
25 - 110	761 066 795	1	0.016

5314

## Template, compression and fusion joints

- to mark the clamp and coupler



d-d [mm]	Code	SP	kg
16 - 63	761 066 800	1	0.040

3948

## Spanner

- Tool to change the heating bushes



SW [mm]	Code	SP	kg
6	760 854 906	1	0.070

5310

## Tempil sticks



Temperature [°C]	Code	SP	kg
253	761 066 796	1	0.010
274	761 066 797	1	0.020

5312

## Timer



Code	SP	kg
761 066 798	1	0.042

5320

## Gloves



Code	SP	kg
761 066 799	1	0.115

# INSTAFLEX®

## Tools for Compression Joints

3905

### Assembly tongs



d [mm]	Code	SP	kg	
16 - 20	<b>760 853 743</b>	1	0.420	
25	<b>760 869 950</b>	1	0.418	

3954

### Ratched spanner

- for tightening and loosening of compression fittings d16 and d20



SW [mm]	d [mm]	Code	SP	kg	
24	16	<b>760 854 916</b>	1	0.280	
27	20	<b>760 854 917</b>	1	0.586	

# INSTAFLEX®

## Tools for INSTAFLEX BIG

6008



### MSA 250 EX MULTI PLUS Automatic Electrofusion Unit

- INSTAFLEX BIG/ELGEF/FUSEAL
- including transportation case
- including Barcodescanner

d-d [mm]	Code	SP	kg	Type	
125 - 225	<b>761 069 007</b>	1	16.800	MSA 250 EX MULTI	

5056



### Heating bushes for weld-in-saddle PB

- for heating element straight and 30°

d-d-d [mm]	Code	SP	kg	
125 - 20 - 32	<b>761 068 033</b>	1	0.371	
125 - 40 - 50	<b>761 068 034</b>	1	0.504	
160 - 20 - 32	<b>761 068 035</b>	1	0.568	
160 - 40 - 50	<b>761 068 036</b>	1	0.653	
225 - 20 - 32	<b>761 068 037</b>	1	1.008	
225 - 40 - 50	<b>761 068 038</b>	1	1.018	

# INSTAFLEX®

## Rotary Peeler RS

This innovative Rotary Peeler RS is designed to use for universal peeling at the pipe end for electrofusion couplings, tees and elbows and as well as for electrofusion saddles. Suitable for peeling of pipes made out of PE80, PE100, PEX, PP.



### Feature and your advantage:

- Spring loaded peeling blade:**Independent peeling quality of pipe ovality or tolerances
- Pivoted mounted peeling blade:**To compensate the shape of coiled pipe
- Optimized cutting geometry:**Defined chip thickness with cutting width overlap
- One tool per dimension:**Minimized swivel radius for peeling in narrow locations
- Divisible tool:**Peeling for saddles with the same tool
- Peeling length:**No limitation of peeling length
- Guidance rolls:**3 point support for dimensional optimized cutting feed, time saving
- Time saving:**Tool is always ready to use, it can be used for the next peeling without setting the peeling blade back in its origin position

**Your advantage:**Time saving and highest repeatable peeling quality at smallest rotation radius. No operator errors possible for change of dimension

**Included:** 1 x Rotary Peeler RS, Transport case, Operating manual, Spare parts list

Article	d [mm]	Code	SP	kg	
RS 125	125	<b>790 136 007</b>	-	1.650	
RS 160	160	<b>790 136 009</b>	-	1.650	
RS 225	225	<b>790 136 012</b>	-	1.850	





# iFIT

## Pipes for sanitary and heating

4516



### Pipe PB without protective pipe

- packed in cardboard boxes
- Pipe PB in coils without protective pipe
- only for sanitary

\* on request

d [mm]	s [mm]	Code	SP	kg/m	
16	2.0	<b>762 101 126</b>	60	0.088	
*16	2.0	<b>762 101 201</b>	300	0.088	
20	2.0	<b>762 101 127</b>	60	0.115	
25	2.5	<b>762 101 128</b>	30	0.178	

4515



### Pipe PB with protective pipe

- packed in cardboard boxes
- Pipe PB in coil with protective pipe
- only for sanitary

d [mm]	s [mm]	Code	SP	kg/m	D [mm]	
16	2.0	<b>762 101 012</b>	60	0.164	25	
20	2.0	<b>762 101 013</b>	60	0.207	30	
25	2.5	<b>762 101 011</b>	30	0.286	34	

4515



### Pipe PB in bars of 5 meters

- packed in cardboard boxes
- only for sanitary

d [mm]	s [mm]	Code	SP	kg/m	
16	2.0	<b>762 101 160</b>	45	0.088	
20	2.0	<b>762 101 161</b>	45	0.115	
25	2.5	<b>762 101 162</b>	50	0.178	
32	3.0	<b>762 101 163</b>	20	0.272	

4500



### Pipe multilayer without protective pipe

- packed in cardboard boxes
- Pipe multilayer in coils without protective pipe
- \*packed in film web

\* on request

d [mm]	s [mm]	Code	SP	kg/m	
16	2.0	<b>762 101 000</b>	100	0.118	
*16	2.0	<b>762 101 014</b>	200	0.118	
20	2.0	<b>762 101 001</b>	50	0.154	
25	2.5	<b>762 101 130</b>	50	0.289	
32	3.0	<b>762 101 131</b>	50	0.354	

## iFIT

4505

### Pipe multilayer with protective pipe

- packed in cardboard boxes
- Pipe multilayer in coils with protective pipe
- \*with protective pipe in red



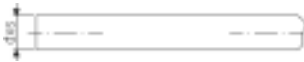
\* on request

d [mm]	s [mm]	Code	SP	kg/m	D [mm]
16	2.0	<b>762 101 003</b>	75	0.194	25
*16	2.0	<b>762 101 194</b>	75	0.194	25
20	2.0	<b>762 101 004</b>	50	0.246	30
*20	2.0	<b>762 101 195</b>	50	0.246	30

4510

### Pipe multilayer in bars of 5,0 m

- packed in cardboard boxes

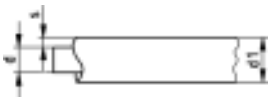


d [mm]	s [mm]	Code	SP	kg/m
16	2.0	<b>762 101 005</b>	45	0.118
20	2.0	<b>762 101 006</b>	45	0.154
25	2.5	<b>762 101 007</b>	50	0.284
32	3.0	<b>762 101 008</b>	20	0.354

4502

### Pipe multilayer insulated 6 mm

- packed in cardboard boxes
- Pipe multilayer in coils without protective pipe

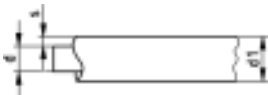


d [mm]	s [mm]	Code	SP	kg/m	d1 [mm]
16	6.0	<b>762 101 024</b>	50	0.150	28
20	6.0	<b>762 101 032</b>	50	0.200	32
25	6.0	<b>762 101 043</b>	25	0.400	37

4502

### Pipe multilayer insulated 9 mm

- packed in cardboard boxes
- Pipe multilayer in coils without protective pipe



d [mm]	s [mm]	Code	SP	kg/m	d1 [mm]
16	9.0	<b>762 101 076</b>	50	0.230	34
20	9.0	<b>762 101 078</b>	50	0.280	38
25	9.0	<b>762 101 082</b>	25	0.450	43

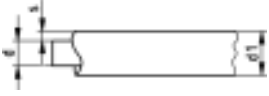
# iFIT

4502

## Pipe multilayer insulated 13 mm

- packed in film web

\* on request



d [mm]	s [mm]	Code	SP	kg/m	d1 [mm]	
*16	13.0	<b>762 101 086</b>	50	0.300	42	
*20	13.0	<b>762 101 090</b>	50	0.400	46	
*25	13.0	<b>762 101 104</b>	25	0.500	51	

# iFIT

## Accessories for pipes

4660

### Wall inlet plug



d [mm]	Code	SP	kg/m
16	<b>762 101 150</b>	1	0.175
20	<b>762 101 151</b>	1	0.192
25	<b>762 101 152</b>	1	0.223
32	<b>762 101 153</b>	1	0.349

4665

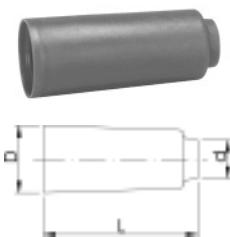
### Pipe draw coupling



d [mm]	Code	SP	kg/m
16	<b>762 101 154</b>	1	0.044
20	<b>762 101 155</b>	1	0.090

3921

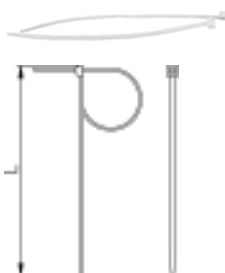
### Cap for protective pipe



d [mm]	Colors	Code	SP	L [mm]	D [mm]
16	red	<b>760 854 986</b>	10	70	25
16	green	<b>760 854 987</b>	10	70	25
20	red	<b>760 854 988</b>	10	70	30
20	green	<b>760 854 989</b>	10	70	30

3930

### Pipe binder



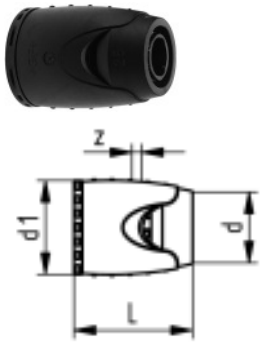
d-d [mm]	Code	SP	L [mm]
16 - 40	<b>760 853 283</b>	100	200
50 - 75	<b>760 853 284</b>	100	300
90 - 110	<b>760 854 984</b>	100	430

# iFIT

## Adaptor

### Adaptor

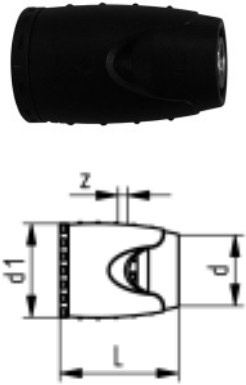
4520



d [mm]	d1 [mm]	Code	SP	kg	z [mm]	L [mm]
16	30	<b>762 101 030</b>	10	0.023	5	48
20	34	<b>762 101 031</b>	10	0.030	5	49
25	45	<b>762 101 034</b>	5	0.067	8	62
32	52	<b>762 101 035</b>	5	0.088	8	63

4521

### iFIT-FLEXALINO spec.-Adaptor



d [mm]	d1 [mm]	Code	SP	kg	z [mm]	l [mm]
16	30	<b>762 101 050</b>	10	0.047	5	48

4525

### Cap for adaptor



d [mm]	s [mm]	Code	SP	kg
16	2.0	<b>762 101 017</b>	5	0.006
25	2.5	<b>762 101 027</b>	5	0.013

# iFIT

## Fittings

4585

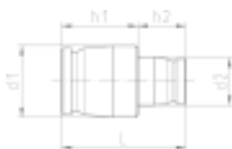
### Socket/Reducing bush module



d [mm]	Code	SP	kg	L [mm]	h [mm]
16 / 20	<b>762 101 044</b>	10	0.007	39	20
25 / 32	<b>762 101 175</b>	5	0.023	56	28

4586

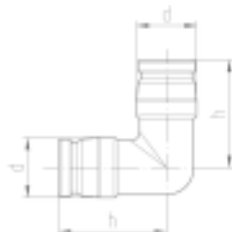
### Reducing bush module



d1 [mm]	d2 [mm]	Code	SP	kg	L [mm]	h1 [mm]	h2 [mm]
25 / 32	16 / 20	<b>762 101 177</b>	2	0.018	52	32	20

4590

### Elbow 90° module

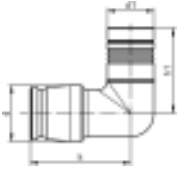


d [mm]	Code	SP	kg	h [mm]
16 / 20	<b>762 101 046</b>	10	0.012	36
25 / 32	<b>762 101 179</b>	5	0.042	54

# iFIT

4592

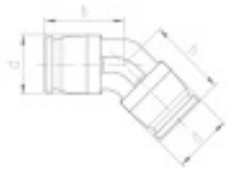
## Elbow 90° module with pipe outline



d [mm]	Code	SP	kg	d1 [mm]	h [mm]	h1 [mm]	
16 / 20	<b>762 101 202</b>	5	0.013	20	36	40	
25 / 32	<b>762 101 203</b>	2	0.029	25	54	46	

4591

## Elbow 45° module



d [mm]	Code	SP	kg	h [mm]	
25 / 32	<b>762 101 180</b>	5	0.033	40	

4595

## Tee equal module



d [mm]	Code	SP	kg	h [mm]	h1 [mm]	
16 / 20	<b>762 101 042</b>	10	0.015	31	37	
25 / 32	<b>762 101 181</b>	5	0.053	45	54	



# iFIT

4602

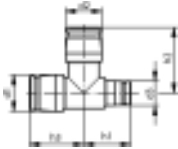
## Tee equal module with pipe outline



d [mm]	Code	SP	kg	d1 [mm]	h [mm]	h1 [mm]	h2 [mm]	
16 / 20	<b>762 101 204</b>	5	0.017	20	41	37	32	
25 / 32	<b>762 101 205</b>	2	0.042	25	46	54	45	

4600

## Tee reduced module



d1 [mm]	d2 [mm]	d3 [mm]	Code	SP	kg	H1 [mm]	H2 [mm]	H3 [mm]	
25 / 32	25 / 32	16 / 20	<b>762 101 183</b>	2	0.043	45	54	39	
25 / 32	16 / 20	25 / 32	<b>762 101 185</b>	2	0.043	45	48	45	
25 / 32	16 / 20	16 / 20	<b>762 101 187</b>	2	0.033	45	48	39	

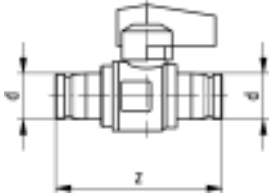
# iFIT

## iFIT-Ball valve

4670

### iFIT - Ball valve

available as long as stock exist



d	Code	SP	kg	z [mm]	
16/20	762 101 054	2	0.250	72	

# iFIT

## Adaptor on thread

4605

### Adaptor male module



d [mm]	R [inch]	Code	SP	kg	h [mm]
16 / 20	½	<b>762 101 038</b>	10	0.061	42
16 / 20	¾	<b>762 101 039</b>	10	0.078	43
25 / 32	¾	<b>762 101 091</b>	2	0.144	51
25 / 32	1	<b>762 101 092</b>	2	0.189	55

4610

### Adaptor female module



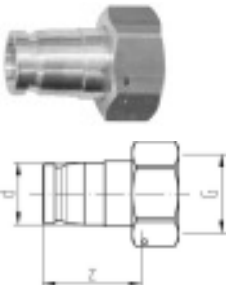
d [mm]	Rp [inch]	Code	SP	kg	h [mm]	z [mm]
16 / 20	½	<b>762 101 040</b>	10	0.067	36	23
16 / 20	¾	<b>762 101 041</b>	10	0.087	39	24
25 / 32	¾	<b>762 101 093</b>	2	0.131	45	31
25 / 32	1	<b>762 101 094</b>	2	0.163	49	32

4615

### Union flat seal module

Model:

- supplied with sealing

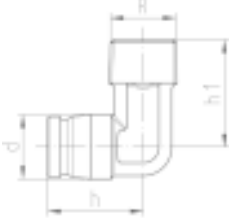


d [mm]	G [inch]	Code	SP	kg	z [mm]
16 / 20	½	<b>762 101 088</b>	2	0.080	41
16 / 20	¾	<b>762 101 056</b>	2	0.090	35
25 / 32	¾	<b>762 101 095</b>	2	0.170	48
25 / 32	1	<b>762 101 096</b>	2	0.210	55
25 / 32	1 ¼	<b>762 101 097</b>	2	0.250	48
25 / 32	1 ½	<b>762 101 098</b>	2	0.307	50

# iFIT

4620

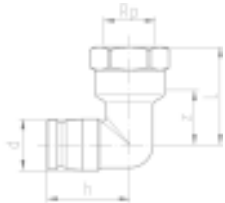
## Adaptor elbow male thread-module



d [mm]	R [inch]	Code	SP	kg	h [mm]	h1 [mm]
16 / 20	1/2	<b>762 101 051</b>	10	0.077	30	34
16 / 20	3/4	<b>762 101 052</b>	10	0.092	30	35
25 / 32	3/4	<b>762 101 099</b>	2	0.204	45	43
25 / 32	1	<b>762 101 100</b>	2	0.213	45	45

4630

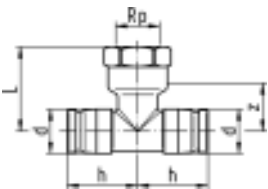
## Adaptor elbow female thread-module



d [mm]	Rp [inch]	Code	SP	kg	h [mm]	L [mm]	z [mm]
16 / 20	1/2	<b>762 101 101</b>	10	0.103	32	38	25
16 / 20	3/4	<b>762 101 105</b>	10	0.129	36	40	22
25 / 32	3/4	<b>762 101 102</b>	5	0.225	45	50	33

4625

## Adaptor Tee female thread-module



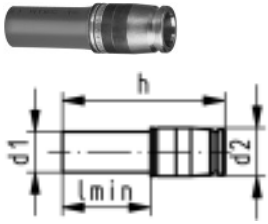
d [mm]	Rp [inch]	Code	SP	kg	h [mm]	z [mm]	L [mm]
16 / 20	1/2	<b>762 101 055</b>	5	0.136	32	25	38
25 / 32	3/4	<b>762 101 103</b>	2	0.213	43	35	50

# iFIT

## Transition Module

4606

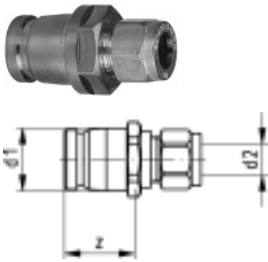
### iFIT-INSTAFLEX Adaptor



d2 [mm]	d1 [mm]	Code	SP	kg	h [mm]	L min. HMS [mm]	L min. HWS [mm]
16 / 20	16	<b>762 101 057</b>	1	0.059	84	30	46
16 / 20	20	<b>762 101 058</b>	1	0.071	86	30	48
16 / 20	25	<b>762 101 067</b>	1	0.090	94	33	56
25 / 32	25	<b>762 101 059</b>	1	0.145	101	33	56
25 / 32	32	<b>762 101 060</b>	1	0.177	101	35	56

4671

### iFIT - Copper modul

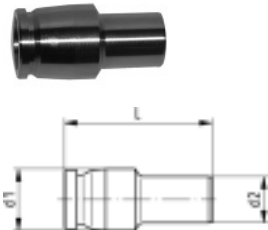


d1 [mm]	d2 [mm]	Code	SP	kg	z [mm]
16 / 20	10	<b>762 101 089</b>	10	0.070	22

4680

### iFIT-Press Module

- according to DIN 10312



d1 [mm]	d2 [mm]	Code	SP	kg	L [mm]
16 / 20	15	<b>762 101 190</b>	2	0.042	54
16 / 20	18	<b>762 101 191</b>	2	0.047	56
25 / 32	22	<b>762 101 192</b>	2	0.114	70
25 / 32	28	<b>762 101 193</b>	2	0.114	70

# iFIT

## Accessories

4661

### Plug module-side

- with air-vent screw 1/2"



d [mm]	Code	SP	kg	
16 / 20	<b>762 101 207</b>	1	0.142	
25 / 32	<b>762 101 208</b>	1	0.199	

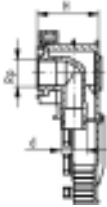
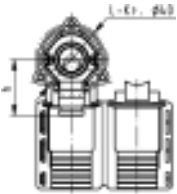
# iFIT

## Outlet joints with box

4531

### Single pipe outlet with box

- not for light and wood construction
- with fixing screws.

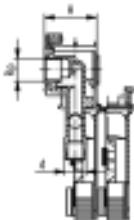
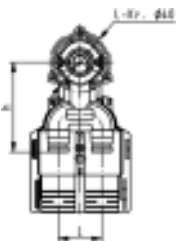


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	h [mm]	
16 / 20	½	<b>762 101 028</b>	10	0.195	50	43	

4536

### Dual pipe outlet with box

- not for light and wood construction
- with fixing screws.



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	h [mm]	
16 / 20	½	<b>762 101 029</b>	10	0.350	50	83	

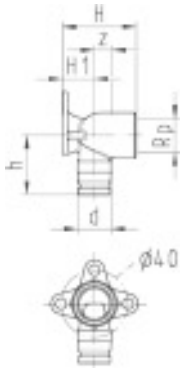
# iFIT

## Outlet joints without box

4530

### Single pipe outlet

- applicable for light and wood construction

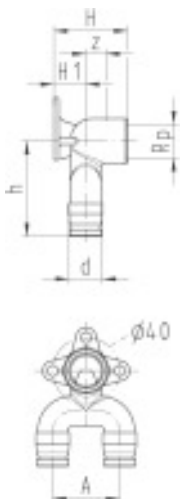


d [mm]	Rp [inch]	Code	SP	kg	H [mm]	H1 [mm]	h [mm]	z [mm]	
16 / 20	½	<b>762 101 018</b>	10	0.141	44	19	36	12	
16 / 20	½	<b>762 101 070</b>	5	0.201	64	19	36	32	
16 / 20	¾	<b>762 101 019</b>	2	0.168	44	19	39	11	

4535

### Dual pipe outlet

- applicable for light and wood construction



d [mm]	Rp [inch]	Code	SP	kg	H [mm]	H1 [mm]	h [mm]	z [mm]	A [mm]
16 / 20	½	<b>762 101 022</b>	60	0.238	44	19	57	12	40
16 / 20	½	<b>762 101 071</b>	2	0.298	64	19	57	32	40

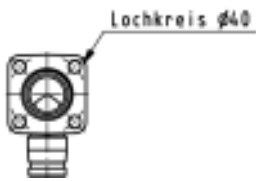
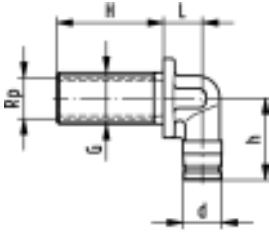


# iFIT

4547

## Single pipe outlet L55 1/2" - 3/4"

\* on request



d [mm]	Rp [inch]	Code	SP	kg	L [mm]	H [mm]	h [mm]	G [inch]
16 / 20	1/2	<b>762 101 047</b>	1	0.250	20	55	42	3/4
*16 / 20	1/2	<b>762 101 200</b>	1	0.194	20	30	42	3/4

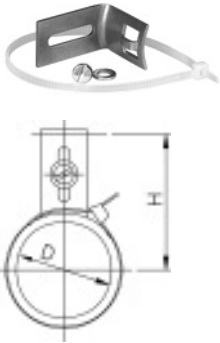
# iFIT

## Accessories for pipe outlets

3152

### Bracket for waste pipe

- from the INSTAFLEX range



Code	SP	kg	D [mm]	H [mm]
760 854 677	1	0.080	56	65 - 80

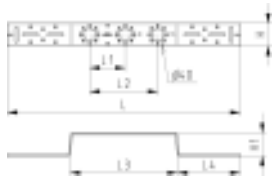
3100

### Angular plate

- with hole circle 40 and thread M 6
- from the INSTAFLEX range



\*suitable also for GIS

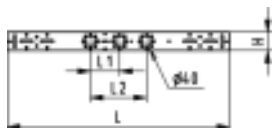


	Code	SP	kg	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
single	760 869 917	5	0.310	50	51	370			80	145
double	760 869 916	5	0.560	50	51	470	100		180	145
*double	760 856 042	5	0.600	50	51	523		153	233	145
*triple	760 869 915	5	0.600	50	51	523	80	153	233	145

3101

### Distance plate flat

- with hole circle 40 and thread M 6
- from the INSTAFLEX range



	Code	SP	kg	H [mm]	L [mm]	L1 [mm]	L2 [mm]
single	760 869 920	5	0.460	50	452		
double	760 869 919	5	0.560	50	552	100	
triple	760 869 918	5	0.600	50	605	80	153

3935

### Installation bar, length 2 m

- from the INSTAFLEX range



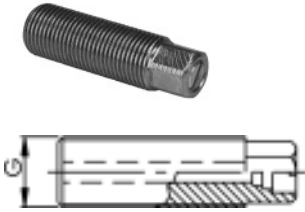
Code	SP	kg
760 853 683	5	2.840

# iFIT

3936

## Mounting bolt

- from the INSTAFLEX range

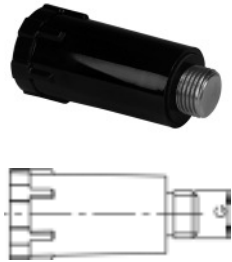


G [inch]	Code	SP	kg
1/2	760 853 291	5	0.141

3937

## Wall inlet plug

- from the INSTAFLEX range

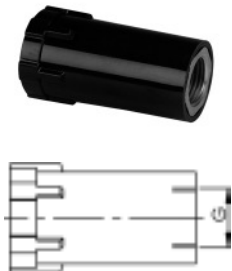


G [inch]	Code	SP	kg
1/2	760 853 297	10	0.088

3938

## Fastening sleeve

- from the INSTAFLEX range



G [inch]	Code	SP	kg
1/2	760 853 298	10	0.051

4540

## Sound proofing for pipe outlet



	Code	SP	kg
Rubber isolator	762 101 033	10	0.010

# iFIT

4541

## Sound proofing for pipe outlet

- single or double



	Code	SP	kg	
Set single	<b>762 101 036</b>	5	0.073	
Set double	<b>762 101 037</b>	2	0.115	

# iFIT

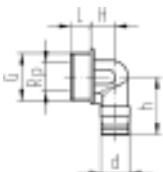
## WC connection module

4545

### WC single connection module concealed

Model:

- inclusive plastic union nut

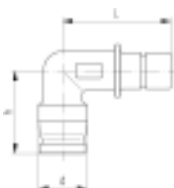


d [mm]	Rp [inch]	Code	SP	kg	G [inch]	L [mm]	H [mm]	h [mm]	
16 / 20	½	762 101 023	5	0.157	1	14	17	41	

4546

### Pipe outlet for flushing cistern Meplafix

- incl. protection cap



d [mm]	Code	SP	kg	L [mm]	h [mm]	
16 / 20	762 101 025	5	0.085	45	34	

4548

### Pipe outlet for flushing cistern Meplafix

- incl. protection cap



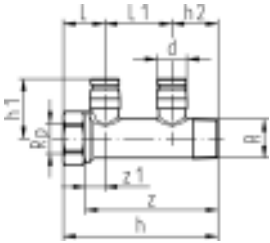
d [mm]	Code	SP	kg	L [mm]	h [mm]	
16 / 20	762 101 026	1	0.060	53		

# iFIT

## Manifold

### Manifold module

4550



d [mm]	Rp [inch]	R [inch]	outlet	Code	SP	kg	
16 / 20	3/4	3/4	2-fold	<b>762 101 048</b>	2	0.280	
16 / 20	3/4	3/4	3-fold	<b>762 101 049</b>	2	0.389	
16 / 20	3/4	3/4	4-fold	<b>762 101 053</b>	2	0.527	

d [mm]	h [mm]	h1 [mm]	h2 [mm]	L [mm]	L1 [mm]	z [mm]	z1 [mm]	
16 / 20	104	40	31	28	45	90	14	
16 / 20	149	40	31	28	45	135	14	
16 / 20	194	40	31	28	45	180	14	

# iFIT

## Accessories

3286

### Mounting bracket M8

- from the INSTAFLEX range



Code	SP	kg	
760 856 212	10	0.029	

3266

### Cap

- from the INSTAFLEX range

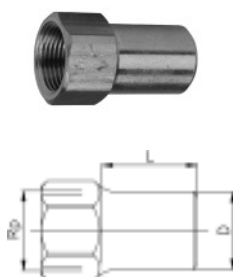


Rp [inch]	Code	SP	kg	
3/4 1	760 853 794	5	0.084	
	760 853 706	5	0.134	

3268

### Cap long

- from the INSTAFLEX range



Rp [inch]	Code	SP	kg	D [mm]	L [mm]	
3/4	760 853 596	5	0.162	27	34	

# iFIT

3267

## Plug

- from the INSTAFLEX range



R [inch]	Code	SP	kg	
3/4 1	<b>760 853 792</b>	5	0.050	
	<b>760 853 793</b>	5	0.084	

3264

## Plug long

- from the INSTAFLEX range



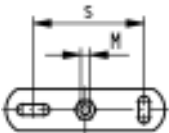
R [inch]	Code	SP	kg	D [mm]	L [mm]	
3/4	<b>760 869 989</b>	5	0.150	27	52	

5093

## Base plate

- from the INSTAFLEX range

\* for fixing point



Code	SP	kg	M	
<b>761 066 741</b>	50	0.159	M8	
<b>761 066 735</b>	50	0.170	M10	
<b>761 066 311</b>	20	0.181	G1/2	



# iFIT

## Pipe Supports and Brackets

3915

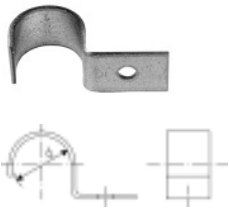


### Pipe clip, metal

- from the INSTAFLEX range

d [mm]	Code	SP	kg
25	<b>760 853 628</b>	50	0.040

3920

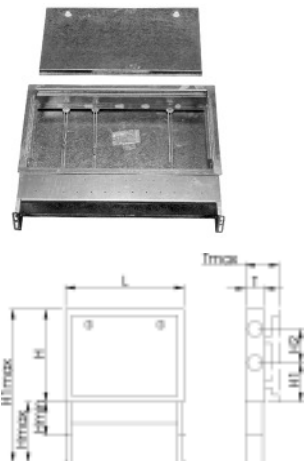


### Pipe clip, metal

- from the INSTAFLEX range

d [mm]	Code	SP	kg
25	<b>760 853 254</b>	50	0.027
30	<b>760 853 567</b>	50	0.031
35	<b>760 854 951</b>	50	0.042

3240

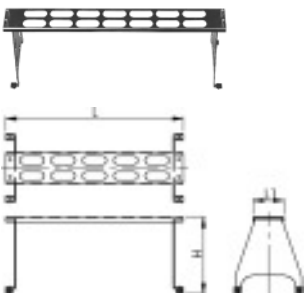


### Service cabinet

- from the INSTAFLEX range

L [mm]	H [mm]	T [mm]	Code	SP	kg	H max. [mm]	H min. [mm]	T max. [mm]	T min. [mm]	H1 [mm]	H2 [mm]
600	500	100	<b>760 856 201</b>	1	13.000	350	200	175	100	200	175
750	500	100	<b>760 856 202</b>	1	15.000	350	200	175	100	200	175

3248



### Support with pipe guidance

- can also be used as laying aids
- from the INSTAFLEX range

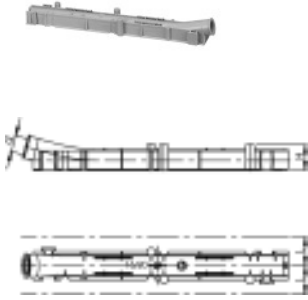
to service cabinet	Code	SP	kg	L [mm]	L1 [mm]	H [mm]
600	<b>760 856 207</b>	1	2.500	600	100	270
750	<b>760 856 208</b>	1	2.800	750	100	270

# iFIT

3890

## Pipe transfer piece d16 / d20

- from the INSTAFLEX range

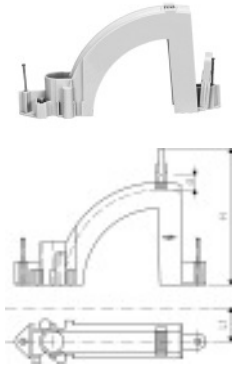


d [mm]	Code	SP	kg	L [mm]	H [mm]	
16 / 20	<b>760 853 299</b>	30	0.118	45	40	

3891

## Pipe transfer bend d16 / d20

- from the INSTAFLEX range

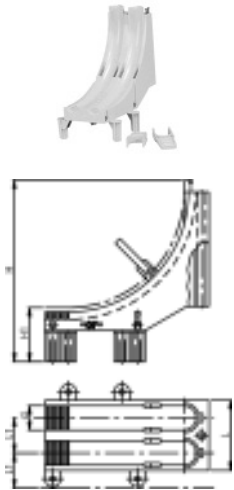


d [mm]	Code	SP	kg	L1 [mm]	H [mm]	
16 / 20	<b>760 853 300</b>	18	0.106	45	180	

3892

## Insta Pipe support d16 / d20

- from the INSTAFLEX range



d [mm]	Code	SP	kg	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
16 / 20	<b>760 853 399</b>	12	0.228	90	45	235	70	

# iFIT

## iFIT for heating

4555

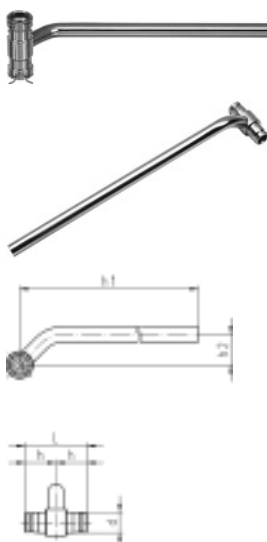
### Connecting elbow, single



d [mm]	Code	SP	kg	h [mm]	h1 [mm]
16 / 20	<b>762 101 064</b>	5	0.170	330	84

4560

### Connecting elbow, double

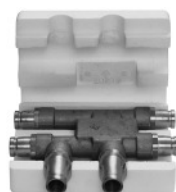


d1 [mm]	d2 [mm]	Code	SP	kg	h [mm]	h1 [mm]	h2 [mm]	L [mm]
16 / 20	16 / 20	<b>762 101 065</b>	5	0.195	30	330	30	60

4570

### Cross-Tee module

with isolation case



d [mm]	Code	SP	kg	L [mm]	L1 [mm]	H [mm]	H1 [mm]	H2 [mm]
16 / 20	<b>762 101 068</b>	1	0.723	50	50	63	66	46

4580

### Euro cone union module

only for multilayer pipe



d [mm]	Rp [inch]	Code	SP	kg
16	3/4	<b>762 101 072</b>	10	0.027
20	3/4	<b>762 101 073</b>	10	0.037

# iFIT

## Accessories for radiator connecting system

4565

### Sound proofing element

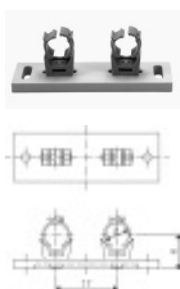
- single or double



Code	SP	kg	
762 101 066	5	0.100	

4571

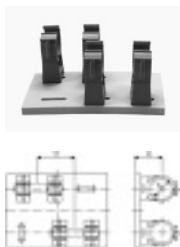
### Single spacer



d [mm]	Code	SP	kg	H [mm]	
16	762 101 061	5	0.050	26	

4572

### Double spacer

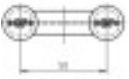
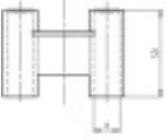


d [mm]	Code	SP	kg	H [mm]	
16	762 101 062	5	0.156	38	

# iFIT

4573

## Spacer



d [mm]	Code	SP	kg	
16	<b>762 101 063</b>	10	0.015	



# iFIT

## Tools



- Tools





# iFIT

## Tools

4635



### Tool set for pipes ML- and PB

d [mm]	Code	SP	kg	
16 / 20	<b>762 101 122</b>	1	1.170	
25 / 32	<b>762 101 133</b>	1	1.466	

4640



### Chamfering tool for pipes ML- and PB

d [mm]	Code	SP	kg	
16	<b>762 101 116</b>	1	0.191	
20	<b>762 101 120</b>	1	0.210	
25	<b>762 101 125</b>	1	0.238	
32	<b>762 101 132</b>	1	0.315	

4645



### Pipe shears d16-d20 for pipes ML- and PB

- also for cutting from protective pipe

d	Code	SP	kg	
16 / 20	<b>762 101 108</b>	1	0.321	
Spare blades	<b>762 101 109</b>	1	0.019	

5300



### Pipe cutter d16-d32 for pipes ML- and PB

d	Code	SP	kg	
16 - 32	<b>762 101 117</b>	1	0.400	
Spare blades	<b>762 101 118</b>	1	0.006	

4650



### Outside pipe bending tool for pipes ML

d [mm]	Code	SP	kg	
16	<b>762 101 112</b>	1	0.440	
20	<b>762 101 113</b>	1	0.643	
25	<b>762 101 114</b>	1	0.657	
32	<b>762 101 115</b>	1	0.700	

4651



### Tool belt

Note:

- without tools

Code	SP	kg	
<b>762 101 119</b>	1	0.540	



## Numerical Product Range to code number

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- **General Condition**

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761 069 585	31	762 101 038	107	762 101 122	128
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# General Condition of Supply of Georg Fischer Piping Systems Limited, Schaffhausen

## 1 General

- 1.1 These General Conditions shall apply to all Products supplied by Georg Fischer to the Purchaser. They shall also apply to all future business even when no express reference is made to them.
- 1.2 Any deviating or supplementary conditions especially Purchaser's general conditions of purchase and verbal agreements shall only be applicable if accepted in writing by Georg Fischer.
- 1.3 The written form shall be deemed to be fulfilled by all forms of transmission, evidenced in the form of text, such as telefax, e-mail, etc.

## 2 Tenders

- 2.1 Tenders shall only be binding if they contain a specifically stated period for acceptance.

## 3 Scope of Delivery

- 3.1 Georg Fischer's product range is subject to change.
- 3.2 The confirmation of order shall govern the scope and execution of the contract.

## 4 Data and Documents

- 4.1 Technical documents such as drawings, descriptions, illustrations and data on dimensions, performance and weight as well as the reference to standards are for information purposes only. They are not warranted characteristics and are subject to change.
- 4.2 All technical documents shall remain the exclusive property of Georg Fischer and may only be used for the agreed purposes or as Georg Fischer may consent.

## 5 Confidentiality, Protection of Personal Data

- 5.1 Each party shall keep in strict confidence all commercial or technical information relating to the business of the other party, of which it has gained knowledge in the course of its dealing with the other party. Such information shall neither be disclosed to third parties nor used for other purposes than those for which the information has been supplied.
- 5.2 In the context of the contractual relation with the Purchaser personal data may be processed. The Purchaser agrees to the disclosure of said data to third parties such as foreign subcontractors and suppliers etc.

## 6 Local Laws and Regulations, Export Controls

- 6.1 The Purchaser shall bring to the attention of Georg Fischer all local laws and regulations at the place of destination which bear connection with the execution of the contract and the adherence to relevant safety regulations and approval procedures.
- 6.2 In case of re-exports, Purchaser shall be responsible for compliance with pertinent export control regulations.

## 7 Price

- 7.1 Unless agreed otherwise, the prices shall be deemed quoted net ex works (according to Incoterms of the ICC, latest version) including standard packing. All supplementary costs such as the cost of carriage, insurance, export-, transit- and importlicences etc. shall be borne by the Purchaser. The Purchaser shall also bear the costs of all taxes, fees, duties etc. connected with the contract.
- 7.2 If the costs of packing, carriage, insurance, fees and other supplementary costs are included in the tender price or contract price or are referred to specifically in the tender or confirmation of order, Georg Fischer reserve the right to revise their prices accordingly should any change occur in the relevant tariffs.

## 8 Terms of Payment

- 8.1 The Purchaser shall make payment in the manner agreed by the parties without any deductions such as discounts, costs, taxes or dues.
- 8.2 The Purchaser may only withhold or off-set payments due against counter claims which are either expressly acknowledged by Georg Fischer or finally awarded to the Purchaser. In particular, payment shall still be made when unessential items are still out-standing provided that the Products already delivered are not rendered unusable as a result.

## 9 Retention of Title

- 9.1 The Products shall remain the property of Georg Fischer until the Purchaser shall have settled all claims, present and future, which Georg Fischer may have against him.
- 9.2 Should the Purchaser resell Products to which title is reserved, in the ordinary course of business, he shall hereby be deemed to have tacitly assigned to Georg Fischer the proceeds deriving from their sale together with all collateral rights, securities and reservations of title until all claims held by Georg Fischer shall have been settled. Until revoked by Georg Fischer, this assignment shall not preclude Purchaser's right to collect the assigned receivables.
- 9.3 To the extent the value of the Products to which title is reserved together with collateral securities exceeds Georg Fischer's claims against the Purchaser by more than 20%, Georg Fischer shall re-assign the above proceeds to Purchaser at his request.

## 10 Delivery

- 10.1 The term of delivery shall commence as soon as the contract has been entered into, all official formalities such as import and payment permits have been obtained and all essential technical issues have been settled. The term of delivery shall be deemed duly observed when, upon its expiry, the Products are ready for despatch.
- 10.2 Delivery is subject to the following conditions, i.e. the term of delivery shall be reasonably extended:
  - a) if Georg Fischer are not supplied in time with the information necessary for the execution of the contract or if subsequent changes causing delays are made by the Purchaser.
  - b) if Georg Fischer are prevented from performing the contract by force majeure. Force majeure shall equally be deemed to be any unforeseeable event beyond Georg Fischer's control which renders Georg Fischer's performance commercially unpractical or impossible, such as delayed or defective supplies from sub contractors labour disputes, governmental orders or regulations, shortages in materials or energy, serious disturbances in Georg Fischer's works, such as the total or partial destruction of plant and equipment or the breakdown of essential facilities, serious disruptions in transport facilities, e.g. impassable roads. Should the effect of force majeure exceed a period of six months, either party may cancel the contract forthwith. Georg Fischer shall not be liable for any damage or loss of any kind whatsoever resulting therefrom, any suspension or cancellation being without prejudice to Georg Fischer's right to recover all sums due in respect of consignments delivered and costs incurred to date.
  - c) if the Purchaser is in delay with the fulfilment of his obligations under the contract, in particular, if he does not adhere to the agreed conditions of payment or if he has failed to timely provide the agreed securities.
- 10.3 If for reasons attributable to Georg Fischer the agreed term of delivery or a reasonable extension thereof is exceeded, Georg Fischer shall not be deemed in default until the Purchaser has granted to Georg Fischer in writing a reasonable extension thereof of not less than one month which equally is not met. The Purchaser shall then be entitled to the remedies provided at law, it being however understood that, subject to limitations of Art. 16, damage claims shall be limited to max. 10% of the price of the delayed delivery.
- 10.4 Part shipments shall be allowed and Georg Fischer shall be entitled to invoice for such partial deliveries.
- 10.5 If the Purchaser fails to take delivery within a reasonable time of Products notified as ready for despatch, Georg Fischer shall be entitled to store the Products at the Purchaser's expense and risk and to invoice them as delivered. If Purchaser fails to effect payment, Georg Fischer shall be entitled to dispose of the Products.
- 10.6 Should Purchaser cancel an order without justification and should Georg Fischer not insist on the performance of the contract, Georg Fischer shall be entitled to liquidated damages in the amount of 10% of the contract price, Georg Fischer's right to prove and claim higher damages remaining reserved. Purchaser shall be entitled to prove, that Georg Fischer has suffered no or a considerably lower damage.

## 11 Packing

- 11.1 If the Products are provided with additional packing over and above the standard packing, such packing shall be charged additionally.

## 12 Passing of Risk

- 12.1 The risk in the Products shall pass to the Purchaser as soon as they have left Georg Fischer's works (EX WORKS, Incoterms ICC, latest version), even if delivery is made carriage-paid, under similar clauses or including installation or when carriage is organized and managed by Georg Fischer.
- 12.2 If delivery is delayed for reasons beyond Georg Fischer's control, the risk shall pass to the Purchaser when he is notified that the Products are ready for despatch.

## 13 Carriage and Insurance

- 13.1 Unless agreed otherwise, the Purchaser shall bear the cost of carriage.
- 13.2 The Purchaser shall be responsible for transport insurance against damage of whatever kind. Even when such insurance is arranged by Georg Fischer it shall be deemed taken out by the order of and for the account of the Purchaser and at his risk.
- 13.3 Special requests regarding carriage and insurance shall be communicated to Georg Fischer in due time. Otherwise carriage shall be arranged by Georg Fischer at their discretion, but without responsibility, by the quickest and cheapest method possible. In case of carriage-paid delivery transport arrangements shall be made by Georg Fischer. If the Purchaser specifies particular requirements, any extra costs involved shall be borne by him.
- 13.4 In the event of damage or loss of the Products during carriage the Purchaser shall mark the delivery documents accordingly and immediately have the damage ascertained by the carrier. Not readily ascertainable damages sustained during carriage shall be notified to the carrier within six days after receipt of the Products.

## 14 Inspection, Notification of Defects and Damages

- 14.1 The Products will be subject to normal inspection by Georg Fischer during manufacture. Additional tests required by the Purchaser shall be agreed upon in writing and shall be charged to the Purchaser.
- 14.2 It shall be a condition of Georg Fischer's obligation under the warranties stated hereinafter that Georg Fischer be notified in writing by the Purchaser of any purported defect immediately upon discovery. Notice concerning weight, numbers or apparent defects is to be given latest within 30 days from receipt of the Products, notice of other defects immediately latest within 7 working days after discovery, in any event within the agreed warranty period.
- 14.3 Purchaser shall not dispose of allegedly defective Products until all warranty and/or damage claims are finally settled. At its request, defective Products are to be placed at Georg Fischer's disposal.
- 14.4 At its request, Georg Fischer shall be given the opportunity to inspect the defect and/or damage, prior to commencement of remedial work, either itself or by third party experts.

## 15 Warranty

- 15.1 At the written request of the Purchaser, Georg Fischer undertake to repair or replace at their discretion, as quickly as possible and free of charge all Products supplied which demonstrably suffer from faulty design, materials or workman-ship or from faulty operating or installation instructions. In order to protect employees from toxic or radioactive substances which may have been transported through defective parts returned to Georg Fischer's sales organisation, said parts must be accompanied by a Material Safety Disclosure Form. The form may be obtained from Georg Fischer's local sales company or via [www.piping.georgfischer.com](http://www.piping.georgfischer.com). Replaced parts shall become property of Georg Fischer.
- 15.2 For Products which are manufactured to specifications, drawings or patterns supplied by the Purchaser, Georg Fischer's warranty shall be restricted to proper materials and workmanship.
- 15.3 The Purchaser shall be entitled to cancel the contract or to demand a reduction in the contract price if also a second attempt to repair or replace the Products has failed.
- 15.4 For Products or essential components manufactured by a third party and supplied by Georg Fischer under this contract, Georg Fischer's warranty is limited to the warranty provided by said third party.
- 15.5 This warranty shall not apply to damage resulting from normal wear and tear, improper storage and maintenance, failure to observe the operating instructions, over-stressing or overloading, unsuitable operating media, unsuitable construction work or unsuitable building ground, improper repairs or alterations by the Purchaser or third parties, the use of other than original spare parts and other reasons beyond Georg Fischer's control.
- 15.6 No action or claim may be brought by the Purchaser on account of any alleged breach of warranty or any other obligation of Georg Fischer after the expiration of twelve (12) months from receipt of the Products by the end user or at the latest within eighteen (18) months of the Products being despatched by Georg Fischer.
- 15.7 In case of Products for use in domestic installations or in utilities
  - Georg Fischer will assume the costs of dismantling the defective Product and restoring the damaged object as well as, in case of negligence, all other direct damages caused by the defective Product (damage to property and injury to or death of persons) up to CHF 1 000 000 per occurrence.
  - the statute of limitations for warranty or damage claims - contrary to Section 15.6 - will be 5 years from the date of installation.

## 16 Limitation of Liability

- 16.1 All cases of breach of contract and the relevant consequences as well as all rights and claims on the part of the customer, irrespective of what ground they are based, are exhaustively covered by these general conditions of supply. In particular, any claims not expressly mentioned for damages, reduction of price, termination of or withdrawal from the contract are excluded. In no case whatsoever shall the customer be entitled to claim damages other than compensation for costs of remedying defects in the supplies. This in particular refers, but shall not be limited, to loss of production, loss of use, loss of orders, loss of profit and other direct or indirect or consequential damage. This exclusion of liability, however, does not apply to unlawful intent or gross negligence on the part of Georg Fischer and in case of strict liability under applicable product liability statutes, but does apply to unlawful intent or gross negligence of persons employed or appointed by Georg Fischer to perform any of its obligations.

## 17 Severability

- 17.1 Should any term or clause of these General Conditions in whole or in part be found to be unenforceable or void, all other provisions shall remain in full force and effect and the unenforceable or void provision shall be replaced by a valid provision, which comes closest to the original intention of the unenforceable or invalid provision.

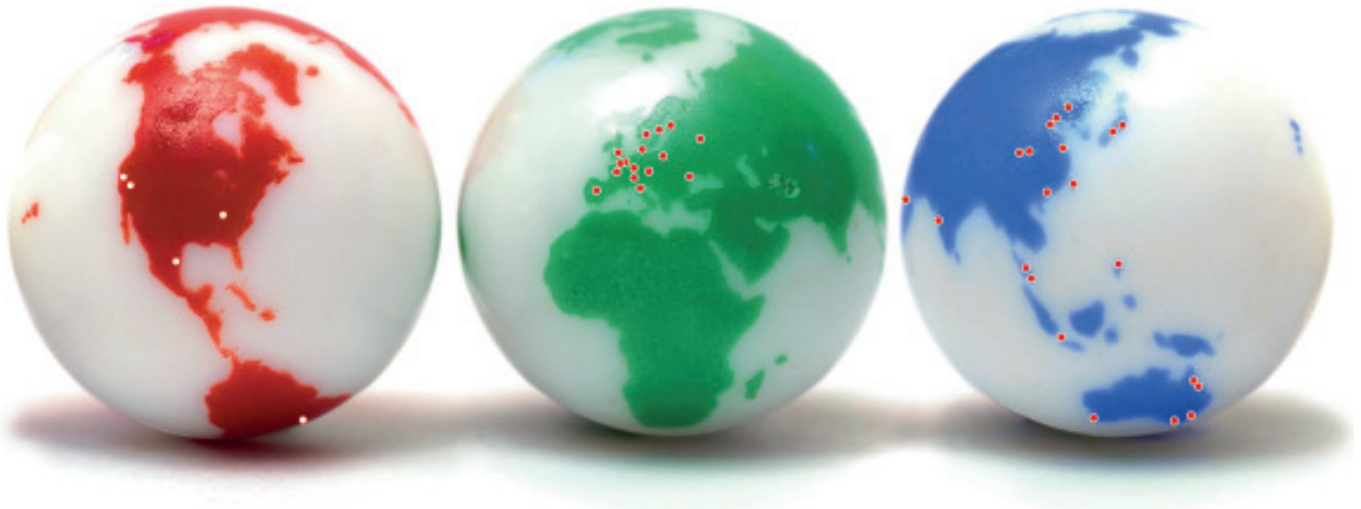
## 18 Place of Performance and Jurisdiction

- 18.1 Place of performance for the Products shall be the Georg Fischer works from which the Products are despatched.
- 18.2 Any civil action based upon any alleged breach of this contract shall be filed and prosecuted exclusively in the courts of Schaffhausen, Switzerland. Georg Fischer however reserves the right to file actions in any court having jurisdiction over controversies arising out of or in connection with the present contract.
- 18.3 The contract shall be governed by Swiss law without regard to conflict of law provisions that would require the application of another law.

# GF Piping Systems → worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

[www.piping.georgfischer.com](http://www.piping.georgfischer.com)



The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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GMST 8731/4 [2.08]

Made with MediaCockpit  
© Georg Fischer Piping Systems Ltd  
CH-8201 Schaffhausen/Switzerland, 2008  
Printed in Switzerland

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