

Stainless Steel Inserts

**Providing inside support for plastic pipes.
Ensuring a safe and long lasting connection.**

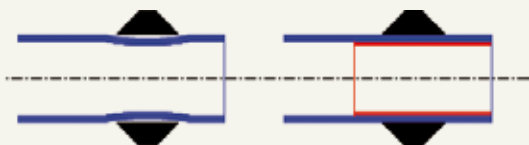


Insert stiffeners

When and why to use insert stiffeners

External forces like axial tension and bending torques can cause creep or relaxation, when mechanical fittings are used to connect plastic pipes. This can result in failure of the connection. Georg Fischer insert stiffeners are designed to reinforce pipe ends by providing inside support for plastic pipes. When using mechanical fittings on PE or PVC, insert stiffeners are advisable or even mandatory because of:

- continual load of the sealing and restraining mechanism



- residual stress and bending torques



Your benefits

Using an insert stiffener will ensure a safe and long lasting connection.

Its thin wall construction will not disturb the flow characteristics of the medium.

The insert stiffener can be supplied either as economy version or with wedge to overcome the tolerances in plastic pipes.



Insert stiffener Economy

- Suitable for PE, PVC, PB and other plastic pipes
- Stainless steel A2 quality (AISI 304)
- For pipe sizes >d355 use an insert stiffener with wedge
- Other dimensions and A4 quality (AISI 316) on request



d x e [mm]	SDR	L [mm]	Code
50 x 4,6	11.0	100	709 026 203
50 x 2,9	17.6 / 17.0	100	709 026 206
63 x 5,8	11.0	100	709 026 211
63 x 3,6	17.6 / 17.0	100	709 026 214
63 x 2,0	33	100	709 026 217
63 x 1,5	41	100	709 026 415
75 x 6,8	11.0	100	709 026 220
75 x 4,3	17.6 / 17.0	100	709 026 223
75 x 1,9	41	100	709 026 227
90 x 8,2	11.0	120	709 026 230
90 x 5,2	17.6 / 17.0	120	709 026 233
90 x 2,8	33	120	709 026 236
90 x 2,2	41	120	709 026 238
110 x 10,0	11.0	120	709 026 242
110 x 6,3	17.6 / 17.0	120	709 026 245
110 x 3,4	33	120	709 026 248
110 x 2,7	41	120	709 026 250
125 x 11,4	11.0	120	709 026 254
125 x 7,2	17.6 / 17.0	120	709 026 257
140 x 12,7	11.0	140	709 026 266
140 x 8,0	17.6 / 17.0	140	709 026 269
160 x 14,6	11.0	140	709 026 278
160 x 9,1	17.6 / 17.0	140	709 026 281
160 x 4,9	33	140	709 026 284
160 x 4,0	41	140	709 026 286
180 x 16,4	11.0	140	709 026 290
180 x 10,7	17.0	140	709 026 408
180 x 10,3	17.6	140	709 026 293
200 x 18,2	11.0	160	709 026 302
200 x 11,9	17.0	160	709 026 409
200 x 11,4	17.6	160	709 026 305
200 x 6,1	33	160	709 026 308
200 x 4,9	41	160	709 026 310
225 x 20,5	11.0	160	709 026 314
225 x 13,4	17.0	160	709 026 410
225 x 12,8	17.6	160	709 026 317
250 x 22,8	11.0	160	709 026 326
250 x 14,8	17.0	160	709 026 411
250 x 14,3	17.6	160	709 026 329
250 x 7,6	33	160	709 026 332
250 x 6,1	41	160	709 026 334
280 x 25,5	11.0	160	709 026 338
280 x 16,6	17.0	160	709 026 340
280 x 16,0	17.6	160	709 026 341
315 x 28,7	11.0	160	709 026 350
315 x 18,7	17.0	160	709 026 413
315 x 17,9	17.6	160	709 026 353
315 x 9,6	33	160	709 026 356
315 x 7,7	41	160	709 026 358
355 x 32,3	11.0	160	709 026 362
355 x 21,1	17.0	160	709 026 414
355 x 20,2	17.6	160	709 026 365

Insert stiffener with wedge

- Suitable for PE, PVC, PB and other plastic pipes
- Stainless steel A2 quality (AISI 304)
- d63 - d1600
- Other dimensions and A4 quality (AISI 316) on request



d x e [mm]	SDR	L [mm]	Code
63 x 3,6	17.6 / 17.0	175	709 026 012
63 x 5,8	11.0	175	709 026 016
63 x 8,7	7.5	175	709 026 018
75 x 4,3	17.6 / 17.0	175	709 026 022
75 x 6,9	11.0	175	709 026 026
90 x 5,1	17.6 / 17.0	175	709 026 032
90 x 8,2	11.0	175	709 026 036
90 x 12,5	7.5	175	709 026 038
110 x 6,3	17.6 / 17.0	175	709 026 042
110 x 10,0	11.0	175	709 026 046
110 x 15,2	7.5	175	709 026 048
125 x 7,1	17.6 / 17.0	175	709 026 052
125 x 11,4	11.0	175	709 026 056
140 x 8,0	17.6 / 17.0	175	709 026 062
140 x 12,8	11.0	175	709 026 066
160 x 4,8	33.0	200	709 026 070
160 x 9,1	17.6 / 17.0	200	709 026 072
160 x 14,6	11.0	200	709 026 076
180 x 10,2	17.6 / 17.0	200	709 026 082
180 x 16,4	11.0	200	709 026 086
200 x 11,4	17.6 / 17.0	200	709 026 092
200 x 18,2	11.0	200	709 026 096
225 x 12,8	17.6 / 17.0	225	709 026 102
225 x 20,5	11.0	225	709 026 106
250 x 14,2	17.6 / 17.0	225	709 026 115
250 x 22,8	11.0	225	709 026 116
280 x 16,6	17.6 / 17.0	225	709 026 127
280 x 25,5	11.0	225	709 026 126
315 x 17,9	17.6	225	709 026 125
315 x 28,7	11.0	225	709 026 124
355 x 10,8	33.0	225	709 026 132
355 x 20,1	17.6	225	709 026 129
355 x 32,3	11.0	225	709 026 128
370 x 35,0	11.0	225	709 026 133
400 x 15,4	26.0	225	709 026 140
400 x 22,7	17.6	225	709 026 139
400 x 36,4	11.0	225	709 026 138
450 x 25,5	17.6	225	709 026 149
450 x 41,0	11.0	225	709 026 148
500 x 28,3	17.6	225	709 026 159
500 x 45,5	11.0	225	709 026 158
560 x 31,7	17.6	225	709 026 169
560 x 51,0	11.0	225	709 026 168
630 x 35,7	17.6	225	709 026 179
630 x 57,3	11.0	225	709 026 178
710 x 40,2	17.6	225	709 026 189
710 x 64,5	11.0	225	709 026 188
800 x 45,3	17.6	225	709 026 199
800 x 72,7	11.0	225	709 026 198
900 x 51,2	17.6	225	709 026 183
900 x 81,8	11.0	225	709 026 182
1000 x 56,8	17.0	225	709 026 191
1000 x 90,9	11.0	225	709 026 192
1200 x 109.	1 11.0	225	709 026 184
1400 x 79,6	17.6	225	709 026 187
1400 x 127,3	11.0	225	709 026 186
1600 x 90,9	17.6	225	709 026 196
1600 x 145,5	11.0	225	709 026 195

+ Please check the user manual to know exactly when an insert has to be used!

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