



Product catalogue 2008

Georg Fischer Waga N.V.



GEORG FISCHER
PIPING SYSTEMS



Our mission

- To be the technological market leader for connection technology in the utility market by developing innovative, easy-to-install products.
- To be a respected fitting supplier in the industry by offering high quality products with a clear added value for our customers.

Our vision

- We want to maintain our position of technological market leader.
- We want to develop and produce high-tech and sophisticated, yet simple quality products with technical added value for the Utility market.
- We want to make our MULTI/JOINT® connection technology the standard in the Utility market.

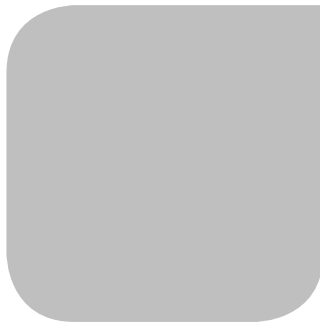
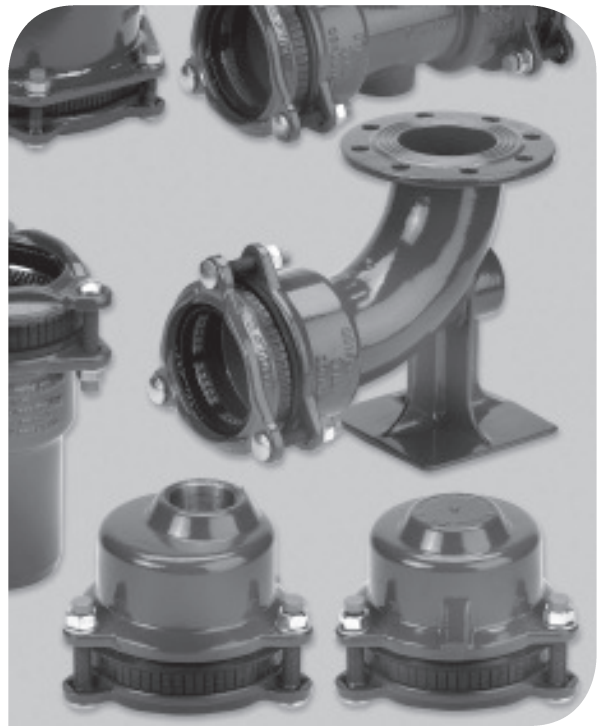


GEORG FISCHER
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Contents

	page
MULTI/JOINT® 3000	5
MULTI/JOINT® 3000 Plus	51
MULTI/JOINT® XL	63
ST-System	69
FGR Stainless Steel Couplings	75
Plast/Joint®	115
Draw-Lock®	119
Multi/Clamp	123
WAL/V	159
Multi/Saddle Plus	161
W400 Drilling Device	167
Plastic Street Covers	171
Accessories	175
Index	184



MULTI/JOINT® 3000

MULTI/JOINT® 3000

MULTI/JOINT® 3000 Wide Range Coupling, non-restraint

Model:

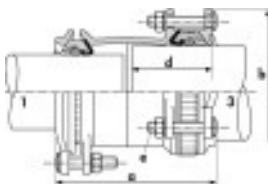
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008



DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	46 - 71	709 300 210	709 300 610	709 300 010	709 300 310
65	69 - 90	69 - 90	709 300 212	709 300 612	709 300 012	709 300 312
80	84 - 105	84 - 105	709 300 214	709 300 614	709 300 014	709 300 314
100	104 - 132	104 - 132	709 300 216	709 300 616	709 300 016	709 300 316
125	132 - 155	132 - 155	709 300 218	709 300 618	709 300 018	709 300 318
150	154 - 192	154 - 192	709 300 220	709 300 620	709 300 020	709 300 320
200	192 - 232	192 - 232	709 300 224	709 300 624	709 300 024	709 300 324
225	232 - 257	232 - 257	709 300 226	709 300 626	709 300 026	709 300 326
250	267 - 310	267 - 310	709 300 228	709 300 628	709 300 028	709 300 328
300	315 - 356	315 - 356	709 300 232	709 300 632	709 300 032	709 300 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	220 - 250	164	100	3xM12	25.0	8.0
65	209 - 233	186	95	3xM12	25.0	8.0
80	234 - 262	204	115	3xM12	25.0	8.0
100	230 - 268	236	110	3xM16	25.0	8.0
125	246 - 282	264	120	4xM16	25.0	8.0
150	242 - 298	304	120	4xM16	25.0	8.0
200	297 - 351	354	140	6xM20	25.0	8.0
225	342 - 404	386	145	6xM20	25.0	8.0
250	354 - 424	432	170	6xM20	25.0	8.0
300	356 - 426	490	170	8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3007 Wide Range Coupling, restraint, Multi/Fiksers

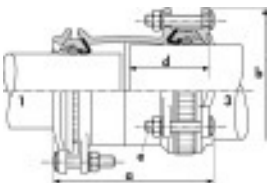
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	46 - 71	709 307 210	709 307 610	709 307 010	709 307 310
65	69 - 90	69 - 90	709 307 212	709 307 612	709 307 012	709 307 312
80	84 - 105	84 - 105	709 307 214	709 307 614	709 307 014	709 307 314
100	104 - 132	104 - 132	709 307 216	709 307 616	709 307 016	709 307 316
125	132 - 155	132 - 155	709 307 218	709 307 618	709 307 018	709 307 318
150	154 - 192	154 - 192	709 307 220	709 307 620	709 307 020	709 307 320
200	192 - 232	192 - 232	709 307 224	709 307 624	709 307 024	709 307 324
225	232 - 257	232 - 257	709 307 226	709 307 626	709 307 026	709 307 326
250	267 - 310	267 - 310	709 307 228	709 307 628	709 307 028	709 307 328
300	315 - 356	315 - 356	709 307 232	709 307 632	709 307 032	709 307 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	220 - 250	164	100	3xM12	16.0	8.0
65	209 - 233	186	95	3xM12	16.0	8.0
80	234 - 262	204	115	3xM12	16.0	8.0
100	230 - 268	236	110	3xM16	16.0	8.0
125	246 - 282	264	120	4xM16	16.0	8.0
150	242 - 298	304	120	4xM16	16.0	8.0
200	297 - 351	354	140	6xM20	16.0	5.0
225	342 - 404	386	145	6xM20	10.0	5.0
250	354 - 424	432	170	6xM20	10.0	5.0
300	356 - 426	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3007 Wide Range Coupling, restraint, Poly/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	84 - 105	84 - 105	709 309 214	709 309 614	709 309 014	709 309 314	
100	104 - 132	104 - 132	709 309 216	709 309 616	709 309 016	709 309 316	
125	132 - 155	132 - 155	709 309 218	709 309 618	709 309 018	709 309 318	
150	154 - 192	154 - 192	709 309 220	709 309 620	709 309 020	709 309 320	
200	192 - 232	192 - 232	709 309 224	709 309 624	709 309 024	709 309 324	
225	232 - 257	232 - 257	709 309 226	709 309 626	709 309 026	709 309 326	
250	267 - 310	267 - 310	709 309 228	709 309 628	709 309 028	709 309 328	
300	315 - 356	315 - 356	709 309 232	709 309 632	709 309 032	709 309 332	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
80	234 - 262	204	115	3xM12	16.0	8.0	
100	230 - 268	236	110	3xM16	16.0	8.0	
125	246 - 282	264	120	4xM16	16.0	8.0	
150	242 - 298	304	120	4xM16	16.0	8.0	
200	297 - 351	354	140	6xM20	10.0	5.0	
225	342 - 404	386	145	6xM20	10.0	5.0	
250	354 - 424	432	170	6xM20	10.0	5.0	
300	356 - 426	490	170	8xM20	10.0	5.0	

PF 1 54 323 061



MULTI/JOINT® 3007 Wide Range Coupling, restraint, Multi/Fiksers x Poly/Fiksers

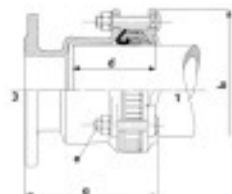
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80	84 - 105	84 - 105	709 308 214	709 308 614	709 308 014	709 308 314
100	104 - 132	104 - 132	709 308 216	709 308 616	709 308 016	709 308 316
125	132 - 155	132 - 155	709 308 218	709 308 618	709 308 018	709 308 318
150	154 - 192	154 - 192	709 308 220	709 308 620	709 308 020	709 308 320
200	192 - 232	192 - 232	709 308 224	709 308 624	709 308 024	709 308 324
225	232 - 257	232 - 257	709 308 226	709 308 626	709 308 026	709 308 326
250	267 - 310	267 - 310	709 308 228	709 308 628	709 308 028	709 308 328
300	315 - 356	315 - 356	709 308 232	709 308 632	709 308 032	709 308 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80	234 - 262	204	115	3xM12	16.0	8.0
100	230 - 268	236	110	3xM16	16.0	8.0
125	246 - 282	264	120	4xM16	16.0	8.0
150	242 - 298	304	120	4xM16	16.0	8.0
200	297 - 351	354	140	6xM20	10.0	5.0
225	342 - 404	386	145	6xM20	10.0	5.0
250	354 - 424	432	170	6xM20	10.0	5.0
300	356 - 426	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3050 Wide Range Flange adaptor, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
50	46 - 71	50	PN16	709 350 210	709 350 610	709 350 010
65	69 - 90	60/65	PN16	709 350 212	709 350 612	709 350 012
80	84 - 105	80	PN16	709 350 214	709 350 614	709 350 014
100	104 - 132	100	PN16	709 350 216	709 350 616	709 350 016
125	132 - 155	125	PN16	709 350 218	709 350 618	709 350 018
150	154 - 192	150	PN16	709 350 220	709 350 620	709 350 020
200	192 - 232	200	PN10	709 350 224	709 350 624	709 350 024
200	192 - 232	200	PN16	709 350 225	709 350 625	709 350 025
250	267 - 310	250	PN10	709 350 228	709 350 628	709 350 028
250	267 - 310	250	PN16	709 350 229	709 350 629	709 350 029
300	315 - 356	300	PN10	709 350 232	709 350 632	709 350 032
300	315 - 356	300	PN16	709 350 233	709 350 633	709 350 033

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
50	46 - 71	50	PN16	709 350 310
65	69 - 90	60/65	PN16	709 350 312
80	84 - 105	80	PN16	709 350 314
100	104 - 132	100	PN16	709 350 316
125	132 - 155	125	PN16	709 350 318
150	154 - 192	150	PN16	709 350 320
200	192 - 232	200	PN10	709 350 324
200	192 - 232	200	PN16	709 350 325
250	267 - 310	250	PN10	709 350 328
250	267 - 310	250	PN16	709 350 329
300	315 - 356	300	PN10	709 350 332
300	315 - 356	300	PN16	709 350 333

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	179 - 194	164	100	3xM12	25.0	8.0
65	187 - 198	186	95	3xM12	25.0	8.0
80	183 - 197	204	115	3xM12	25.0	8.0
100	181 - 200	236	110	3xM16	25.0	8.0
125	196 - 214	264	120	4xM16	25.0	8.0
150	194 - 222	304	120	4xM16	25.0	8.0
200	224 - 251	354	140	6xM20	25.0	8.0
200	224 - 251	354	140	6xM20	25.0	8.0
250	260 - 295	432	170	6xM20	25.0	8.0
250	260 - 295	432	170	6xM20	25.0	8.0
300	283 - 318	490	170	8xM20	25.0	8.0
300	283 - 318	490	170	8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3057 Wide Range Flange adaptor, restraint, Multi/Fiksers

Model:

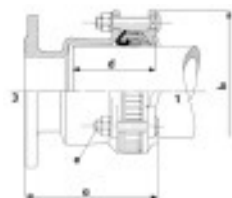
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
50	46 - 71	50	PN16	709 357 210	709 357 610	709 357 010
65	69 - 90	60/65	PN16	709 357 212	709 357 612	709 357 012
80	84 - 105	80	PN16	709 357 214	709 357 614	709 357 014
100	104 - 132	100	PN16	709 357 216	709 357 616	709 357 016
125	132 - 155	125	PN16	709 357 218	709 357 618	709 357 018
150	154 - 192	150	PN16	709 357 220	709 357 620	709 357 020
200	192 - 232	200	PN10	709 357 224	709 357 624	709 357 024
200	192 - 232	200	PN16	709 357 225	709 357 625	709 357 025
250	267 - 310	250	PN10	709 357 228	709 357 628	709 357 028
250	267 - 310	250	PN16	709 357 229	709 357 629	709 357 029
300	315 - 356	300	PN10	709 357 232	709 357 632	709 357 032
300	315 - 356	300	PN16	709 357 233	709 357 633	709 357 033

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
50	46 - 71	50	PN16	709 357 310
65	69 - 90	60/65	PN16	709 357 312
80	84 - 105	80	PN16	709 357 314
100	104 - 132	100	PN16	709 357 316
125	132 - 155	125	PN16	709 357 318
150	154 - 192	150	PN16	709 357 320
200	192 - 232	200	PN10	709 357 324
200	192 - 232	200	PN16	709 357 325
250	267 - 310	250	PN10	709 357 328
250	267 - 310	250	PN16	709 357 329
300	315 - 356	300	PN10	709 357 332
300	315 - 356	300	PN16	709 357 333

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	179 - 194	164	100	3xM12	16.0	8.0
65	187 - 198	186	95	3xM12	16.0	8.0
80	183 - 197	204	115	3xM12	16.0	8.0
100	181 - 200	236	110	3xM16	16.0	8.0
125	196 - 214	264	120	4xM16	16.0	8.0
150	194 - 222	304	120	4xM16	16.0	8.0
200	224 - 251	354	140	6xM20	16.0	8.0
200	224 - 251	354	140	6xM20	16.0	8.0
250	260 - 295	432	170	6xM20	10.0	5.0
250	260 - 295	432	170	6xM20	10.0	5.0
300	283 - 318	490	170	8xM20	10.0	5.0
300	283 - 318	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3057 Wide Range Flange adaptor, restraint, Poly/Fiksers

Model:

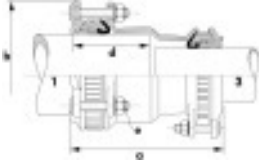
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80	84 - 105	80	PN16	709 359 214	709 359 614	709 359 014
100	104 - 132	100	PN16	709 359 216	709 359 616	709 359 016
125	132 - 155	125	PN16	709 359 218	709 359 618	709 359 018
150	154 - 192	150	PN16	709 359 220	709 359 620	709 359 020
200	192 - 232	200	PN10	709 359 224	709 359 624	709 359 024
200	192 - 232	200	PN16	709 359 225	709 359 625	709 359 025
250	267 - 310	250	PN10	709 359 228	709 359 628	709 359 028
250	267 - 310	250	PN16	709 359 229	709 359 629	709 359 029
300	315 - 356	300	PN10	709 359 232	709 359 632	709 359 032
300	315 - 356	300	PN16	709 359 233	709 359 633	709 359 033

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
80	84 - 105	80	PN16	709 359 314
100	104 - 132	100	PN16	709 359 316
125	132 - 155	125	PN16	709 359 318
150	154 - 192	150	PN16	709 359 320
200	192 - 232	200	PN10	709 359 324
200	192 - 232	200	PN16	709 359 325
250	267 - 310	250	PN10	709 359 328
250	267 - 310	250	PN16	709 359 329
300	315 - 356	300	PN10	709 359 332
300	315 - 356	300	PN16	709 359 333

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80	183 - 197	204	115	3xM12	16.0	8.0
100	181 - 200	236	110	3xM16	16.0	8.0
125	196 - 214	264	120	4xM16	16.0	8.0
150	194 - 222	304	120	4xM16	16.0	8.0
200	224 - 251	354	140	6xM20	10.0	5.0
200	224 - 251	354	140	6xM20	10.0	5.0
250	260 - 295	432	170	6xM20	10.0	5.0
250	260 - 295	432	170	6xM20	10.0	5.0
300	283 - 318	490	170	8xM20	10.0	5.0
300	283 - 318	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3100 Wide Range Reduction Coupling, non-restraint

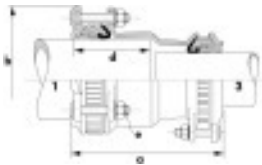
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50 - 65	46 - 71	69 - 90	709 400 218	709 400 618	709 400 018	709 400 318
65 - 80	69 - 90	84 - 105	709 400 220	709 400 620	709 400 020	709 400 320
80 - 100	84 - 105	104 - 132	709 400 224	709 400 624	709 400 024	709 400 324
100 - 125	104 - 132	132 - 155	709 400 232	709 400 632	709 400 032	709 400 332
100 - 150	104 - 132	154 - 192	709 400 236	709 400 636	709 400 036	709 400 336
125 - 150	132 - 155	154 - 192	709 400 238	709 400 638	709 400 038	709 400 338
150 - 200	154 - 192	192 - 232	709 400 248	709 400 648	709 400 048	709 400 348
200 - 225	192 - 232	232 - 257	709 400 278	709 400 678	709 400 078	709 400 378
225 - 250	232 - 257	267 - 310	709 400 282	709 400 682	709 400 082	709 400 382
250 - 300	267 - 310	315 - 356	709 400 286	709 400 686	709 400 086	709 400 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50 - 65	242 - 268	186	95	3xM12/3xM12	25.0	8.0
65 - 80	242 - 268	204	115	3xM12/3xM12	25.0	8.0
80 - 100	232 - 265	236	110	3xM12/3xM16	25.0	8.0
100 - 125	238 - 275	264	120	3xM16/4xM16	25.0	8.0
100 - 150	276 - 323	304	120	4xM16/4xM16	25.0	8.0
125 - 150	276 - 322	304	120	4xM16/6xM20	25.0	8.0
150 - 200	265 - 321	354	120	6xM20/6xM20	25.0	8.0
200 - 225	340 - 398	386	145	6xM20/6xM20	25.0	8.0
225 - 250	385 - 424	432	170	6xM20/6xM20	25.0	8.0
250 - 300	356 - 426	490	170	6xM20/8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3107 Wide Range Reduction Coupling, restraint, Multi/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50 - 65	46 - 71	69 - 90	709 407 218	709 407 618	709 407 018	709 407 318
65 - 80	69 - 90	84 - 105	709 407 220	709 407 620	709 407 020	709 407 320
80 - 100	84 - 105	104 - 132	709 407 224	709 407 624	709 407 024	709 407 324
100 - 125	104 - 132	132 - 155	709 407 232	709 407 632	709 407 032	709 407 332
100 - 150	104 - 132	154 - 192	709 407 236	709 407 636	709 407 036	709 407 336
125 - 150	132 - 155	154 - 192	709 407 238	709 407 638	709 407 038	709 407 338
150 - 200	154 - 192	192 - 232	709 407 248	709 407 648	709 407 048	709 407 348
200 - 225	192 - 232	232 - 257	709 407 278	709 407 678	709 407 078	709 407 378
225 - 250	232 - 257	267 - 310	709 407 282	709 407 682	709 407 082	709 407 382
250 - 300	267 - 310	315 - 356	709 407 286	709 407 686	709 407 086	709 407 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50 - 65	242 - 268	186	95	3xM12/3xM12	16.0	8.0
65 - 80	242 - 268	204	115	3xM12/3xM12	16.0	8.0
80 - 100	232 - 265	236	110	3xM12/3xM16	16.0	8.0
100 - 125	238 - 275	264	120	3xM12/4xM16	16.0	8.0
100 - 150	276 - 323	304	120	3xM16/4xM16	16.0	8.0
125 - 150	276 - 322	304	120	4xM16/4xM16	16.0	8.0
150 - 200	265 - 321	354	120	4xM16/6xM20	16.0	8.0
200 - 225	340 - 398	386	145	6xM20/6xM20	10.0	5.0
225 - 250	385 - 424	432	170	6xM20/6xM20	10.0	5.0
250 - 300	356 - 426	490	170	6xM20/8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3107 Wide Range Reduction Coupling, restraint, Poly/Fiksers x Multi/Fiksers

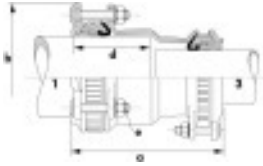
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80 - 100	84 - 105	104 - 132	709 408 224	709 408 624	709 408 024	709 408 324
100 - 125	104 - 132	132 - 155	709 408 232	709 408 632	709 408 032	709 408 332
100 - 150	104 - 132	154 - 192	709 408 236	709 408 636	709 408 036	709 408 336
125 - 150	132 - 155	154 - 192	709 408 238	709 408 638	709 408 038	709 408 338
150 - 200	154 - 192	192 - 232	709 408 248	709 408 648	709 408 048	709 408 348
200 - 225	192 - 232	232 - 257	709 408 278	709 408 678	709 408 078	709 408 378
225 - 250	232 - 257	267 - 310	709 408 282	709 408 682	709 408 082	709 408 382
250 - 300	267 - 310	315 - 356	709 408 286	709 408 686	709 408 086	709 408 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80 - 100	232 - 265	236	110	3xM12/3xM16	16.0	8.0
100 - 125	238 - 275	264	120	3xM12/4xM16	16.0	8.0
100 - 150	276 - 323	304	120	3xM16/4xM16	16.0	8.0
125 - 150	276 - 322	304	120	4xM16/4xM16	16.0	8.0
150 - 200	265 - 321	354	120	4xM16/6xM20	10.0	5.0
200 - 225	340 - 398	386	145	6xM20/6xM20	10.0	5.0
225 - 250	385 - 424	432	170	6xM20/6xM20	10.0	5.0
250 - 300	356 - 426	490	170	6xM20/8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3107 Wide Range Reduction Coupling, restraint, Poly/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80 - 100	84 - 105	104 - 132	709 409 224	709 409 624	709 409 024	709 409 324
100 - 125	104 - 132	132 - 155	709 409 232	709 409 632	709 409 032	709 409 332
100 - 150	104 - 132	154 - 192	709 409 236	709 409 636	709 409 036	709 409 336
125 - 150	132 - 155	154 - 192	709 409 238	709 409 638	709 409 038	709 409 338
150 - 200	154 - 192	192 - 232	709 409 248	709 409 648	709 409 048	709 409 348
200 - 225	192 - 232	232 - 257	709 409 278	709 409 678	709 409 078	709 409 378
225 - 250	232 - 257	267 - 310	709 409 282	709 409 682	709 409 082	709 409 382
250 - 300	267 - 310	315 - 356	709 409 286	709 409 686	709 409 086	709 409 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80 - 100	232 - 265	236	110	3xM12/3xM16	16.0	8.0
100 - 125	238 - 275	264	120	3xM12/4xM16	16.0	8.0
100 - 150	276 - 323	304	120	3xM16/4xM16	16.0	8.0
125 - 150	276 - 322	304	120	4xM16/4xM16	16.0	8.0
150 - 200	265 - 321	354	120	4xM16/6xM20	10.0	5.0
200 - 225	340 - 398	386	145	6xM20/6xM20	10.0	5.0
225 - 250	385 - 424	432	170	6xM20/6xM20	10.0	5.0
250 - 300	356 - 426	490	170	6xM20/8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3107 Wide Range Reduction Coupling, restraint, Multi/Fiksers x Poly/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80 - 100	84 - 105	104 - 132	709 406 224	709 406 624	709 406 024	709 406 324
100 - 125	104 - 132	132 - 155	709 406 232	709 406 632	709 406 032	709 406 332
100 - 150	104 - 132	154 - 192	709 406 236	709 406 636	709 406 036	709 406 336
125 - 150	132 - 155	154 - 192	709 406 238	709 406 638	709 406 038	709 406 338
150 - 200	154 - 192	192 - 232	709 406 248	709 406 648	709 406 048	709 406 348
200 - 225	192 - 232	232 - 257	709 406 278	709 406 678	709 406 078	709 406 378
225 - 250	232 - 257	267 - 310	709 406 282	709 406 682	709 406 082	709 406 382
250 - 300	267 - 310	315 - 356	709 406 286	709 406 686	709 406 086	709 406 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80 - 100	232 - 265	236	110	3xM12/3xM16	16.0	8.0
100 - 125	238 - 275	264	120	3xM12/4xM16	16.0	8.0
100 - 150	276 - 323	304	120	3xM16/4xM16	16.0	8.0
125 - 150	276 - 322	304	120	4xM16/4xM16	16.0	8.0
150 - 200	265 - 321	354	120	4xM16/6xM20	10.0	5.0
200 - 225	340 - 398	386	145	6xM20/6xM20	10.0	5.0
225 - 250	385 - 424	432	170	6xM20/6xM20	10.0	5.0
250 - 300	356 - 426	490	170	6xM20/8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3150 Wide Range Reduction flange adaptor, non-restraint

Model:

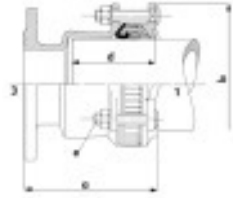
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
50 - 40	46 - 71	40	PN16	709 450 208	709 450 608	709 450 008
65 - 80	69 - 90	80	PN16	709 450 218	709 450 618	709 450 018
100 - 80	104 - 132	80	PN16	709 450 224	709 450 624	709 450 024
125 - 100	132 - 155	100	PN16	709 450 232	709 450 632	709 450 032
125 - 150	132 - 155	150	PN16	709 450 238	709 450 638	709 450 038
225 - 200	232 - 257	200	PN10	709 450 278	709 450 678	709 450 078
225 - 200	232 - 257	200	PN16	709 450 279	709 450 679	709 450 079
225 - 250	232 - 257	250	PN10	709 450 280	709 450 680	709 450 080
225 - 250	232 - 257	250	PN16	709 450 281	709 450 681	709 450 081

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
50 - 40	46 - 71	40	PN16	709 450 308
65 - 80	69 - 90	80	PN16	709 450 318
100 - 80	104 - 132	80	PN16	709 450 324
125 - 100	132 - 155	100	PN16	709 450 332
125 - 150	132 - 155	150	PN16	709 450 338
225 - 200	232 - 257	200	PN10	709 450 378
225 - 200	232 - 257	200	PN16	709 450 379
225 - 250	232 - 257	250	PN10	709 450 380
225 - 250	232 - 257	250	PN16	709 450 381

DN-DN [mm]	a [mm]	a [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50 - 40	185 - 200	164	100	3xM12	25.0	8.0
65 - 80	198 - 210	186	95	3xM12	25.0	8.0
100 - 80	196 - 215	236	110	3xM16	25.0	8.0
125 - 100	197 - 215	264	120	4xM16	25.0	8.0
125 - 150	276 - 294	264	120	4xM16	25.0	8.0
225 - 200	274 - 301	386	190	6xM20	25.0	8.0
225 - 200	274 - 301	386	190	6xM20	25.0	8.0
225 - 250	212 - 239	386	130	6xM20	25.0	8.0
225 - 250	212 - 239	386	130	6xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3157 Wide Range Reduction flange adaptor, restraint, Multi/Fiksers

Model:

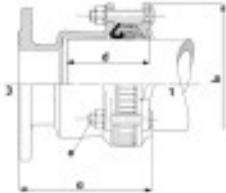
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
50 - 40	46 - 71	40	PN16	709 457 208	709 457 608	709 457 008
65 - 80	69 - 90	80	PN16	709 457 218	709 457 618	709 457 018
100 - 80	104 - 132	80	PN16	709 457 224	709 457 624	709 457 024
125 - 100	132 - 155	100	PN16	709 457 232	709 457 632	709 457 032
125 - 150	132 - 155	150	PN16	709 457 238	709 457 638	709 457 038
225 - 200	232 - 257	200	PN10	709 457 278	709 457 678	709 457 078
225 - 200	232 - 257	200	PN16	709 457 279	709 457 679	709 457 079
225 - 250	232 - 257	250	PN10	709 457 280	709 457 680	709 457 080
225 - 250	232 - 257	250	PN16	709 457 281	709 457 681	709 457 081

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
50 - 40	46 - 71	40	PN16	709 457 308
65 - 80	69 - 90	80	PN16	709 457 318
100 - 80	104 - 132	80	PN16	709 457 324
125 - 100	132 - 155	100	PN16	709 457 332
125 - 150	132 - 155	150	PN16	709 457 338
225 - 200	232 - 257	200	PN10	709 457 378
225 - 200	232 - 257	200	PN16	709 457 379
225 - 250	232 - 257	250	PN10	709 457 380
225 - 250	232 - 257	250	PN16	709 457 381

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50 - 40	185 - 200	164	100	3xM12	16.0	8.0
65 - 80	198 - 210	186	95	3xM12	16.0	8.0
100 - 80	196 - 215	236	110	3xM16	16.0	8.0
125 - 100	197 - 215	264	120	4xM16	16.0	8.0
125 - 150	276 - 294	264	120	4xM16	16.0	8.0
225 - 200	274 - 301	386	190	6xM20	10.0	5.0
225 - 200	274 - 301	386	190	6xM20	10.0	5.0
225 - 250	212 - 239	386	130	6xM20	10.0	5.0
225 - 250	212 - 239	386	130	6xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3157 Wide Range Reduction flange adaptor, restraint, Poly/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
100 - 80	104 - 132	80	PN16	709 459 224	709 459 624	709 459 024
125 - 100	132 - 155	100	PN16	709 459 232	709 459 632	709 459 032
125 - 150	132 - 155	150	PN16	709 459 238	709 459 638	709 459 038
225 - 200	232 - 257	200	PN10	709 459 278	709 459 678	709 459 078
225 - 200	232 - 257	200	PN16	709 459 279	709 459 679	709 459 079
225 - 250	232 - 257	250	PN10	709 459 280	709 459 680	709 459 080
225 - 250	232 - 257	250	PN16	709 459 281	709 459 681	709 459 081

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code
100 - 80	104 - 132	80	PN16	709 459 324
125 - 100	132 - 155	100	PN16	709 459 332
125 - 150	132 - 155	150	PN16	709 459 338
225 - 200	232 - 257	200	PN10	709 459 378
225 - 200	232 - 257	200	PN16	709 459 379
225 - 250	232 - 257	250	PN10	709 459 380
225 - 250	232 - 257	250	PN16	709 459 381

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
100 - 80	196 - 215	236	110	3xM16	16.0	8.0
125 - 100	197 - 215	264	120	4xM16	16.0	8.0
125 - 150	276 - 294	264	120	4xM16	16.0	8.0
225 - 200	274 - 301	386	190	6xM20	10.0	5.0
225 - 200	274 - 301	386	190	6xM20	10.0	5.0
225 - 250	212 - 239	386	130	6xM20	10.0	5.0
225 - 250	212 - 239	386	130	6xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3200 Wide Range end-cap blind, non-restraint

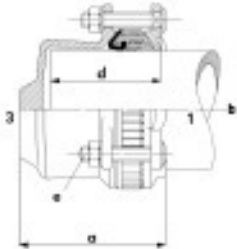
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	709 370 210	709 370 610	709 370 010	709 370 310
65	69 - 90	709 370 212	709 370 612	709 370 012	709 370 312
80	84 - 105	709 370 214	709 370 614	709 370 014	709 370 314
100	104 - 132	709 370 216	709 370 616	709 370 016	709 370 316
125	132 - 155	709 370 218	709 370 618	709 370 018	709 370 318
150	154 - 192	709 370 220	709 370 620	709 370 020	709 370 320
200	192 - 232	709 370 224	709 370 624	709 370 024	709 370 324
225	232 - 257	709 370 226	709 370 626	709 370 026	709 370 326
250	267 - 310	709 370 228	709 370 628	709 370 028	709 370 328
300	315 - 356	709 370 232	709 370 632	709 370 032	709 370 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	115 - 130	164	100	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3207 Wide Range end-cap blind, restraint, Multi/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	709 377 210	709 377 610	709 377 010	709 377 310
65	69 - 90	709 377 212	709 377 612	709 377 012	709 377 312
80	84 - 105	709 377 214	709 377 614	709 377 014	709 377 314
100	104 - 132	709 377 216	709 377 616	709 377 016	709 377 316
125	132 - 155	709 377 218	709 377 618	709 377 018	709 377 318
150	154 - 192	709 377 220	709 377 620	709 377 020	709 377 320
200	192 - 232	709 377 224	709 377 624	709 377 024	709 377 324
225	232 - 257	709 377 226	709 377 626	709 377 026	709 377 326
250	267 - 310	709 377 228	709 377 628	709 377 028	709 377 328
300	315 - 356	709 377 232	709 377 632	709 377 032	709 377 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	115 - 130	164	100	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3207 Wide Range end-cap blind, restraint, Poly/Fiksers

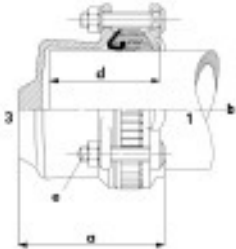
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80	84 - 105	709 379 214	709 379 614	709 379 014	709 379 314
100	104 - 132	709 379 216	709 379 616	709 379 016	709 379 316
125	132 - 155	709 379 218	709 379 618	709 379 018	709 379 318
150	154 - 192	709 379 220	709 379 620	709 379 020	709 379 320
200	192 - 232	709 379 224	709 379 624	709 379 024	709 379 324
225	232 - 257	709 379 226	709 379 626	709 379 026	709 379 326
250	267 - 310	709 379 228	709 379 628	709 379 028	709 379 328
300	315 - 356	709 379 232	709 379 632	709 379 032	709 379 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
80	142 - 156	204	115	3xM12	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
200	180 - 207	354	140	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0

PF 1 54 323 061

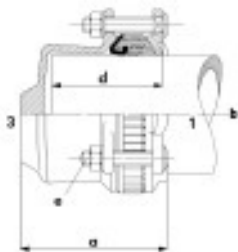


MULTI/JOINT® 3200 Wide Range end-cap threaded, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

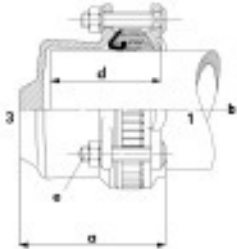
DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	¾	709 380 204	709 380 604	709 380 004	709 380 304
50	46 - 71	1	709 380 205	709 380 605	709 380 005	709 380 305
50	46 - 71	1 ¼	709 380 206	709 380 606	709 380 006	709 380 306
50	46 - 71	1 ½	709 380 207	709 380 607	709 380 007	709 380 307
50	46 - 71	2	709 380 208	709 380 608	709 380 008	709 380 308
65	69 - 90	¾	709 380 209	709 380 609	709 380 009	709 380 309
65	69 - 90	1	709 380 210	709 380 610	709 380 010	709 380 310
65	69 - 90	1 ¼	709 380 211	709 380 611	709 380 011	709 380 311
65	69 - 90	1 ½	709 380 212	709 380 612	709 380 012	709 380 312
65	69 - 90	2	709 380 213	709 380 613	709 380 013	709 380 313
80	84 - 105	¾	709 380 214	709 380 614	709 380 014	709 380 314
80	84 - 105	1	709 380 215	709 380 615	709 380 015	709 380 315
80	84 - 105	1 ¼	709 380 216	709 380 616	709 380 016	709 380 316
80	84 - 105	1 ½	709 380 217	709 380 617	709 380 017	709 380 317
80	84 - 105	2	709 380 218	709 380 618	709 380 018	709 380 318
100	104 - 132	¾	709 380 219	709 380 619	709 380 019	709 380 319
100	104 - 132	1	709 380 220	709 380 620	709 380 020	709 380 320
100	104 - 132	1 ¼	709 380 221	709 380 621	709 380 021	709 380 321
100	104 - 132	1 ½	709 380 222	709 380 622	709 380 022	709 380 322
100	104 - 132	2	709 380 223	709 380 623	709 380 023	709 380 323
125	132 - 155	¾	709 380 224	709 380 624	709 380 024	709 380 324
125	132 - 155	1	709 380 225	709 380 625	709 380 025	709 380 325
125	132 - 155	1 ¼	709 380 226	709 380 626	709 380 026	709 380 326
125	132 - 155	1 ½	709 380 227	709 380 627	709 380 027	709 380 327
125	132 - 155	2	709 380 228	709 380 628	709 380 028	709 380 328
150	154 - 192	¾	709 380 229	709 380 629	709 380 029	709 380 329
150	154 - 192	1	709 380 230	709 380 630	709 380 030	709 380 330
150	154 - 192	1 ¼	709 380 231	709 380 631	709 380 031	709 380 331
150	154 - 192	1 ½	709 380 232	709 380 632	709 380 032	709 380 332
150	154 - 192	2	709 380 233	709 380 633	709 380 033	709 380 333
200	192 - 232	¾	709 380 234	709 380 634	709 380 034	709 380 334
200	192 - 232	1	709 380 235	709 380 635	709 380 035	709 380 335
200	192 - 232	1 ¼	709 380 236	709 380 636	709 380 036	709 380 336
200	192 - 232	1 ½	709 380 237	709 380 637	709 380 037	709 380 337
200	192 - 232	2	709 380 238	709 380 638	709 380 038	709 380 338
225	232 - 257	¾	709 380 249	709 380 649	709 380 049	709 380 349
225	232 - 257	1	709 380 250	709 380 650	709 380 050	709 380 350
225	232 - 257	1 ¼	709 380 251	709 380 651	709 380 051	709 380 351
225	232 - 257	1 ½	709 380 252	709 380 652	709 380 052	709 380 352
225	232 - 257	2	709 380 253	709 380 653	709 380 053	709 380 353
250	267 - 310	¾	709 380 239	709 380 639	709 380 039	709 380 339
250	267 - 310	1	709 380 240	709 380 640	709 380 040	709 380 340
250	267 - 310	1 ¼	709 380 241	709 380 641	709 380 041	709 380 341
250	267 - 310	1 ½	709 380 242	709 380 642	709 380 042	709 380 342



DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
250	267 - 310	2	709 380 243	709 380 643	709 380 043	709 380 343
300	315 - 356	¾	709 380 244	709 380 644	709 380 044	709 380 344
300	315 - 356	1	709 380 245	709 380 645	709 380 045	709 380 345
300	315 - 356	1 ¼	709 380 246	709 380 646	709 380 046	709 380 346
300	315 - 356	1 ½	709 380 247	709 380 647	709 380 047	709 380 347
300	315 - 356	2	709 380 248	709 380 648	709 380 048	709 380 348

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	115 - 130	164	100	3xM12	25.0	8.0
50	115 - 130	164	100	3xM12	25.0	8.0
50	115 - 130	164	100	3xM12	25.0	8.0
50	115 - 130	164	100	3xM12	25.0	8.0
50	115 - 130	164	100	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
65	145 - 157	186	95	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
80	142 - 156	204	115	3xM12	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
100	144 - 163	236	110	3xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
125	151 - 169	264	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
150	149 - 177	304	120	4xM16	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0

PF 1 54 323 060

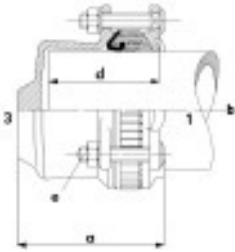


MULTI/JOINT® 3207 Wide Range end-cap threaded, restraint, Multi/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal); Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

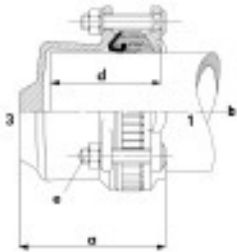
DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	46 - 71	¾	709 387 204	709 387 604	709 387 004	709 387 304
50	46 - 71	1	709 387 205	709 387 605	709 387 005	709 387 305
50	46 - 71	1 ¼	709 387 206	709 387 606	709 387 006	709 387 306
50	46 - 71	1 ½	709 387 207	709 387 607	709 387 007	709 387 307
50	46 - 71	2	709 387 208	709 387 608	709 387 008	709 387 308
65	69 - 90	¾	709 387 209	709 387 609	709 387 009	709 387 309
65	69 - 90	1	709 387 210	709 387 610	709 387 010	709 387 310
65	69 - 90	1 ¼	709 387 211	709 387 611	709 387 011	709 387 311
65	69 - 90	1 ½	709 387 212	709 387 612	709 387 012	709 387 312
65	69 - 90	2	709 387 213	709 387 613	709 387 013	709 387 313
80	84 - 105	¾	709 387 214	709 387 614	709 387 014	709 387 314
80	84 - 105	1	709 387 215	709 387 615	709 387 015	709 387 315
80	84 - 105	1 ¼	709 387 216	709 387 616	709 387 016	709 387 316
80	84 - 105	1 ½	709 387 217	709 387 617	709 387 017	709 387 317
80	84 - 105	2	709 387 218	709 387 618	709 387 018	709 387 318
100	104 - 132	¾	709 387 219	709 387 619	709 387 019	709 387 319
100	104 - 132	1	709 387 220	709 387 620	709 387 020	709 387 320
100	104 - 132	1 ¼	709 387 221	709 387 621	709 387 021	709 387 321
100	104 - 132	1 ½	709 387 222	709 387 622	709 387 022	709 387 322
100	104 - 132	2	709 387 223	709 387 623	709 387 023	709 387 323
125	132 - 155	¾	709 387 224	709 387 624	709 387 024	709 387 324
125	132 - 155	1	709 387 225	709 387 625	709 387 025	709 387 325
125	132 - 155	1 ¼	709 387 226	709 387 626	709 387 026	709 387 326
125	132 - 155	1 ½	709 387 227	709 387 627	709 387 027	709 387 327
125	132 - 155	2	709 387 228	709 387 628	709 387 028	709 387 328
150	154 - 192	¾	709 387 229	709 387 629	709 387 029	709 387 329
150	154 - 192	1	709 387 230	709 387 630	709 387 030	709 387 330
150	154 - 192	1 ¼	709 387 231	709 387 631	709 387 031	709 387 331
150	154 - 192	1 ½	709 387 232	709 387 632	709 387 032	709 387 332
150	154 - 192	2	709 387 233	709 387 633	709 387 033	709 387 333
200	192 - 232	¾	709 387 234	709 387 634	709 387 034	709 387 334
200	192 - 232	1	709 387 235	709 387 635	709 387 035	709 387 335
200	192 - 232	1 ¼	709 387 236	709 387 636	709 387 036	709 387 336
200	192 - 232	1 ½	709 387 237	709 387 637	709 387 037	709 387 337
200	192 - 232	2	709 387 238	709 387 638	709 387 038	709 387 338
225	232 - 257	¾	709 387 249	709 387 649	709 387 049	709 387 349
225	232 - 257	1	709 387 250	709 387 650	709 387 050	709 387 350
225	232 - 257	1 ¼	709 387 251	709 387 651	709 387 051	709 387 351
225	232 - 257	1 ½	709 387 252	709 387 652	709 387 052	709 387 352
225	232 - 257	2	709 387 253	709 387 653	709 387 053	709 387 353
250	267 - 310	¾	709 387 239	709 387 639	709 387 039	709 387 339
250	267 - 310	1	709 387 240	709 387 640	709 387 040	709 387 340
250	267 - 310	1 ¼	709 387 241	709 387 641	709 387 041	709 387 341
250	267 - 310	1 ½	709 387 242	709 387 642	709 387 042	709 387 342



DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
250	267 - 310	2	709 387 243	709 387 643	709 387 043	709 387 343
300	315 - 356	¾	709 387 244	709 387 644	709 387 044	709 387 344
300	315 - 356	1	709 387 245	709 387 645	709 387 045	709 387 345
300	315 - 356	1 ¼	709 387 246	709 387 646	709 387 046	709 387 346
300	315 - 356	1 ½	709 387 247	709 387 647	709 387 047	709 387 347
300	315 - 356	2	709 387 248	709 387 648	709 387 048	709 387 348

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
50	115 - 130	164	100	3xM12	16.0	8.0
50	115 - 130	164	100	3xM12	16.0	8.0
50	115 - 130	164	100	3xM12	16.0	8.0
50	115 - 130	164	100	3xM12	16.0	8.0
50	115 - 130	100	100	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
65	145 - 157	186	95	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0

PF 1 54 323 061

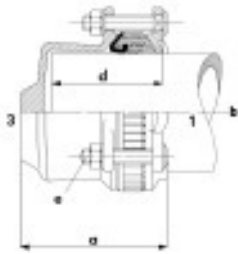


MULTI/JOINT® 3207 Wide Range end-cap threaded, restraint, Poly/Fiksers

Model:

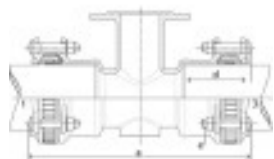
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80	84 - 105	¾	709 389 214	709 389 614	709 389 014	709 389 314
80	84 - 105	1	709 389 215	709 389 615	709 389 015	709 389 315
80	84 - 105	1 ¼	709 389 216	709 389 616	709 389 016	709 389 316
80	84 - 105	1 ½	709 389 217	709 389 617	709 389 017	709 389 317
80	84 - 105	2	709 389 218	709 389 618	709 389 018	709 389 318
100	104 - 132	¾	709 389 219	709 389 619	709 389 019	709 389 319
100	104 - 132	1	709 389 220	709 389 620	709 389 020	709 389 320
100	104 - 132	1 ¼	709 389 221	709 389 621	709 389 021	709 389 321
100	104 - 132	1 ½	709 389 222	709 389 622	709 389 022	709 389 322
100	104 - 132	2	709 389 223	709 389 623	709 389 023	709 389 323
125	132 - 155	¾	709 389 224	709 389 624	709 389 024	709 389 324
125	132 - 155	1	709 389 225	709 389 625	709 389 025	709 389 325
125	132 - 155	1 ¼	709 389 226	709 389 626	709 389 026	709 389 326
125	132 - 155	1 ½	709 389 227	709 389 627	709 389 027	709 389 327
125	132 - 155	2	709 389 228	709 389 628	709 389 028	709 389 328
150	154 - 192	¾	709 389 229	709 389 629	709 389 029	709 389 329
150	154 - 192	1	709 389 230	709 389 630	709 389 030	709 389 330
150	154 - 192	1 ¼	709 389 231	709 389 631	709 389 031	709 389 331
150	154 - 192	1 ½	709 389 232	709 389 632	709 389 032	709 389 332
150	154 - 192	2	709 389 233	709 389 633	709 389 033	709 389 333
200	192 - 232	¾	709 389 234	709 389 634	709 389 034	709 389 334
200	192 - 232	1	709 389 235	709 389 635	709 389 035	709 389 335
200	192 - 232	1 ¼	709 389 236	709 389 636	709 389 036	709 389 336
200	192 - 232	1 ½	709 389 237	709 389 637	709 389 037	709 389 337
200	192 - 232	2	709 389 238	709 389 638	709 389 038	709 389 338
225	232 - 257	¾	709 389 249	709 389 649	709 389 049	709 389 349
225	232 - 257	1	709 389 250	709 389 650	709 389 050	709 389 350
225	232 - 257	1 ¼	709 389 251	709 389 651	709 389 051	709 389 351
225	232 - 257	1 ½	709 389 252	709 389 652	709 389 052	709 389 352
225	232 - 257	2	709 389 253	709 389 653	709 389 053	709 389 353
250	267 - 310	¾	709 389 239	709 389 639	709 389 039	709 389 339
250	267 - 310	1	709 389 240	709 389 640	709 389 040	709 389 340
250	267 - 310	1 ¼	709 389 241	709 389 641	709 389 041	709 389 341
250	267 - 310	1 ½	709 389 242	709 389 642	709 389 042	709 389 342
250	267 - 310	2	709 389 243	709 389 643	709 389 043	709 389 343
300	315 - 356	¾	709 389 244	709 389 644	709 389 044	709 389 344
300	315 - 356	1	709 389 245	709 389 645	709 389 045	709 389 345
300	315 - 356	1 ¼	709 389 246	709 389 646	709 389 046	709 389 346
300	315 - 356	1 ½	709 389 247	709 389 647	709 389 047	709 389 347
300	315 - 356	2	709 389 248	709 389 648	709 389 048	709 389 348



DN	a	b	d	e	PN Water	PN Gas
[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	[bar]
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
80	142 - 156	204	115	3xM12	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
200	180 - 207	354	140	6xM20	10.0	5.0
200	180 - 207	354	140	6xM20	10.0	5.0
200	180 - 207	354	140	6xM20	10.0	5.0
200	180 - 207	354	140	6xM20	10.0	5.0
200	180 - 207	354	140	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0

PF 1 54 323 061



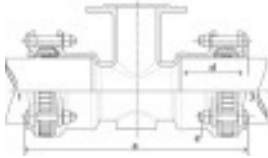
MULTI/JOINT® 3750 Wide Range Tee, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code		
100	104 - 132	80	104 - 132	PN16	709 500 226	709 500 626		
150	154 - 192	80	154 - 192	PN16	709 500 234	709 500 634		
DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A4 Code	EPDM / A4 Code		
100	104 - 132	80	104 - 132	PN16	709 500 026	709 500 326		
150	154 - 192	80	154 - 192	PN16	709 500 034	709 500 334		
DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]	
100	400 - 438	236	110	3xM16	169	25.0	8.0	
150	412 - 468	304	120	4xM16	184	25.0	8.0	

PF 1 54 323 060



MULTI/JOINT® 3757 Wide Range Tee, restraint, Multi/Fiksers

Model:

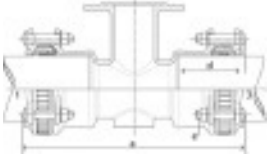
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	
100	104 - 132	80	104 - 132	PN16	709 507 226	709 507 626	
150	154 - 192	80	154 - 192	PN16	709 507 234	709 507 634	

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A4 Code	EPDM / A4 Code	
100	104 - 132	80	104 - 132	PN16	709 507 026	709 507 326	
150	154 - 192	80	154 - 192	PN16	709 507 034	709 507 334	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]	
100	400 - 438	236	110	3xM16	169	16.0	8.0	
150	412 - 468	304	120	4xM16	184	16.0	8.0	

PF 1 54 323 061



MULTI/JOINT® 3757 Wide Range Tee, restraint, Poly/Fiksers

Model:

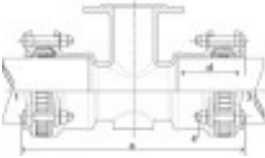
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	
100	104 - 132	80	104 - 132	PN16	709 509 226	709 509 626	
150	154 - 192	80	154 - 192	PN16	709 509 234	709 509 634	

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A4 Code	EPDM / A4 Code	
100	104 - 132	80	104 - 132	PN16	709 509 026	709 509 326	
150	154 - 192	80	154 - 192	PN16	709 509 034	709 509 334	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]	
100	400 - 438	236	110	3xM16	169	16.0	8.0	
150	412 - 468	304	120	4xM16	184	16.0	8.0	

PF 1 54 323 061



MULTI/JOINT® 3757 Wide Range Tee, restraint, Multi/Fiksers x Poly/Fiksers

Model:

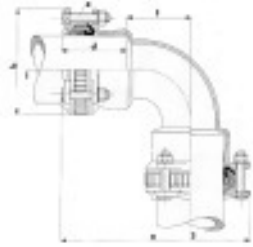
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Stainless steel A4 quality (AISI 316) lockwashers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code
100	104 - 132	80	104 - 132	PN16	709 508 226	709 508 626
150	154 - 192	80	154 - 192	PN16	709 508 234	709 508 634

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A4 Code	EPDM / A4 Code
100	104 - 132	80	104 - 132	PN16	709 508 026	709 508 326
150	154 - 192	80	154 - 192	PN16	709 508 034	709 508 334

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]
100	400 - 438	236	110	3xM16	169	16.0	8.0
150	412 - 468	304	120	4xM16	184	16.0	8.0

PF 1 54 323 061



MULTI/JOINT® 3400 Wide Range Bend, non-restraint

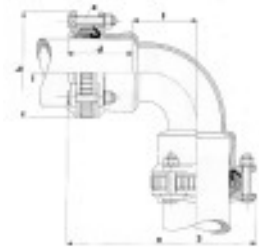
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	84 - 105	84 - 105	709 470 214	709 470 614	709 470 014	709 470 314	
100	104 - 132	104 - 132	709 470 216	709 470 616	709 470 016	709 470 316	
150	154 - 192	154 - 192	709 470 220	709 470 620	709 470 020	709 470 320	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]	
80	291 - 315	204	115	3xM12	100	25.0	8.0	
100	346 - 365	236	110	3xM16	125	25.0	8.0	
150	417 - 445	304	120	4xM16	175	25.0	8.0	

PF 1 54 323 060



MULTI/JOINT® 3407 Wide Range Bend, restraint, Multi/Fiksers

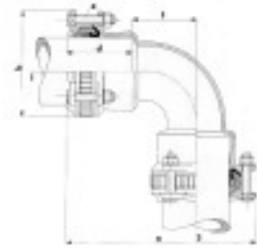
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	84 - 105	84 - 105	709 477 214	709 477 614	709 477 014	709 477 314	
100	104 - 132	104 - 132	709 477 216	709 477 616	709 477 016	709 477 316	
150	154 - 192	154 - 192	709 477 220	709 477 620	709 477 020	709 477 320	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]	
80	291 - 315	204	115	3xM12	100	16.0	8.0	
100	346 - 365	236	110	3xM16	125	16.0	8.0	
150	417 - 445	304	120	4xM16	175	16.0	8.0	

PF 1 54 323 061



MULTI/JOINT® 3407 Wide Range Bend, restraint, Poly/Fiksers

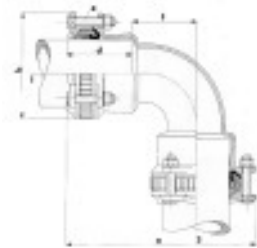
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	84 - 105	84 - 105	709 479 214	709 479 614	709 479 014	709 479 314	
100	104 - 132	104 - 132	709 479 216	709 479 616	709 479 016	709 479 316	
150	154 - 192	154 - 192	709 479 220	709 479 620	709 479 020	709 479 320	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]	
80	291 - 315	204	115	3xM12	100	16.0	8.0	
100	346 - 365	236	110	3xM16	125	16.0	8.0	
150	417 - 445	304	120	4xM16	175	16.0	8.0	

PF 1 54 323 061



MULTI/JOINT® 3407 Wide Range Bend, restraint, Multi/Fiksers x Poly/Fiksers

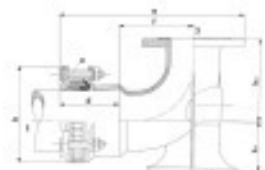
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	84 - 105	84 - 105	709 478 214	709 478 614	709 478 014	709 478 314	
100	104 - 132	104 - 132	709 478 216	709 478 616	709 478 016	709 478 316	
150	154 - 192	154 - 192	709 478 220	709 478 620	709 478 020	709 478 320	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]	
80	291 - 315	204	115	3xM12	100	16.0	8.0	
100	346 - 365	236	110	3xM16	125	16.0	8.0	
150	417 - 445	304	120	4xM16	175	16.0	8.0	

PF 1 54 323 061



MULTI/JOINT® 3450 Wide Range Duckfoot, non-restraint

Model:

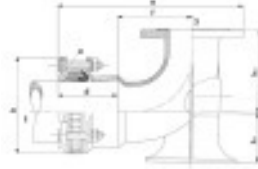
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80	84 - 105	80	PN16		709 480 214	709 480 614	709 480 014
80	84 - 105	80	PN16	¾	709 480 204	709 480 604	709 480 004
80	84 - 105	80	PN16	1	709 480 205	709 480 605	709 480 005
80	84 - 105	80	PN16	1 ¼	709 480 206	709 480 606	709 480 006
80	84 - 105	80	PN16	1 ½	709 480 207	709 480 607	709 480 007
80	84 - 105	80	PN16	2	709 480 208	709 480 608	709 480 008
100	104 - 132	100	PN16		709 480 216	709 480 616	709 480 016
100	104 - 132	100	PN16	¾	709 480 213	709 480 613	709 480 013
100	104 - 132	100	PN16	1	709 480 215	709 480 615	709 480 015
100	104 - 132	100	PN16	1 ¼	709 480 217	709 480 617	709 480 017
100	104 - 132	100	PN16	1 ½	709 480 218	709 480 618	709 480 018
100	104 - 132	100	PN16	2	709 480 219	709 480 619	709 480 019

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code
80	84 - 105	80	PN16		709 480 314
80	84 - 105	80	PN16	¾	709 480 304
80	84 - 105	80	PN16	1	709 480 305
80	84 - 105	80	PN16	1 ¼	709 480 306
80	84 - 105	80	PN16	1 ½	709 480 307
80	84 - 105	80	PN16	2	709 480 308
100	104 - 132	100	PN16		709 480 316
100	104 - 132	100	PN16	¾	709 480 313
100	104 - 132	100	PN16	1	709 480 315
100	104 - 132	100	PN16	1 ¼	709 480 317
100	104 - 132	100	PN16	1 ½	709 480 318
100	104 - 132	100	PN16	2	709 480 319

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
80	380 - 394	204	115	3xM12	165	108	174	25.0
80	380 - 394	204	115	3xM12	165	108	174	25.0
80	380 - 394	204	115	3xM12	165	108	174	25.0
80	380 - 394	204	115	3xM12	165	108	174	25.0
80	380 - 394	204	115	3xM12	165	108	174	25.0
80	380 - 394	204	115	3xM12	165	108	174	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0
100	393 - 412	236	110	3xM16	167	135	180	25.0

PF 1 54 323 060



MULTI/JOINT® 3457 Wide Range Duckfoot, restraint, Multi/Fiksers

Model:

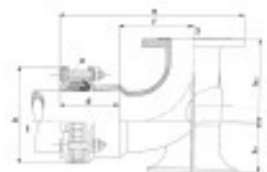
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80	84 - 105	80	PN16		709 487 214	709 487 614	709 487 014
80	84 - 105	80	PN16	¾	709 487 204	709 487 604	709 487 004
80	84 - 105	80	PN16	1	709 487 205	709 487 605	709 487 005
80	84 - 105	80	PN16	1 ¼	709 487 206	709 487 606	709 487 006
80	84 - 105	80	PN16	1 ½	709 487 207	709 487 607	709 487 007
80	84 - 105	80	PN16	2	709 487 208	709 487 608	709 487 008
100	104 - 132	100	PN16		709 487 216	709 487 616	709 487 016
100	104 - 132	100	PN16	¾	709 487 213	709 487 613	709 487 013
100	104 - 132	100	PN16	1	709 487 215	709 487 615	709 487 015
100	104 - 132	100	PN16	1 ¼	709 487 217	709 487 617	709 487 017
100	104 - 132	100	PN16	1 ½	709 487 218	709 487 618	709 487 018
100	104 - 132	100	PN16	2	709 487 219	709 487 619	709 487 019

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code
80	84 - 105	80	PN16		709 487 314
80	84 - 105	80	PN16	¾	709 487 304
80	84 - 105	80	PN16	1	709 487 305
80	84 - 105	80	PN16	1 ¼	709 487 306
80	84 - 105	80	PN16	1 ½	709 487 307
80	84 - 105	80	PN16	2	709 487 308
100	104 - 132	100	PN16		709 487 316
100	104 - 132	100	PN16	¾	709 487 313
100	104 - 132	100	PN16	1	709 487 315
100	104 - 132	100	PN16	1 ¼	709 487 317
100	104 - 132	100	PN16	1 ½	709 487 318
100	104 - 132	100	PN16	2	709 487 319

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0

PF 1 54 323 061



MULTI/JOINT® 3457 Wide Range Duckfoot, restraint, Poly/Fiksers

Model:

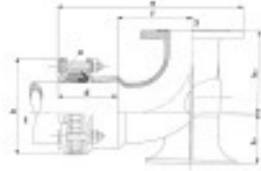
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80	84 - 105	80	PN16		709 489 214	709 489 614	709 489 014
80	84 - 105	80	PN16	¾	709 489 204	709 489 604	709 489 004
80	84 - 105	80	PN16	1	709 489 205	709 489 605	709 489 005
80	84 - 105	80	PN16	1 ¼	709 489 206	709 489 606	709 489 006
80	84 - 105	80	PN16	1 ½	709 489 207	709 489 607	709 489 007
80	84 - 105	80	PN16	2	709 489 208	709 489 608	709 489 008
100	104 - 132	100	PN16		709 489 216	709 489 616	709 489 016
100	104 - 132	100	PN16	¾	709 489 213	709 489 613	709 489 013
100	104 - 132	100	PN16	1	709 489 215	709 489 615	709 489 015
100	104 - 132	100	PN16	1 ¼	709 489 217	709 489 617	709 489 017
100	104 - 132	100	PN16	1 ½	709 489 218	709 489 618	709 489 018
100	104 - 132	100	PN16	2	709 489 219	709 489 619	709 489 019

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code
80	84 - 105	80	PN16		709 489 314
80	84 - 105	80	PN16	¾	709 489 304
80	84 - 105	80	PN16	1	709 489 305
80	84 - 105	80	PN16	1 ¼	709 489 306
80	84 - 105	80	PN16	1 ½	709 489 307
80	84 - 105	80	PN16	2	709 489 308
100	104 - 132	100	PN16		709 489 316
100	104 - 132	100	PN16	¾	709 489 313
100	104 - 132	100	PN16	1	709 489 315
100	104 - 132	100	PN16	1 ¼	709 489 317
100	104 - 132	100	PN16	1 ½	709 489 318
100	104 - 132	100	PN16	2	709 489 319

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
80	380 - 394	204	115	3xM12	165	108	174	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0
100	393 - 412	236	110	3xM16	167	135	180	16.0

PF 1 54 323 061



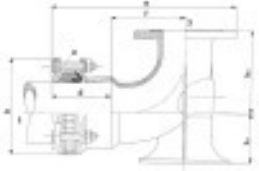
MULTI/JOINT® 3550 Wide Range Reduction duckfoot, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

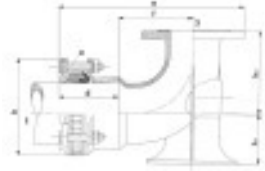
DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code
50 - 80	46 - 72	80	PN16		709 490 213	709 490 613
50 - 80	46 - 72	80	PN16	¾	709 490 214	709 490 614
50 - 80	46 - 72	80	PN16	1	709 490 215	709 490 615
50 - 80	46 - 72	80	PN16	1 ¼	709 490 216	709 490 616
50 - 80	46 - 72	80	PN16	1 ½	709 490 217	709 490 617
50 - 80	46 - 72	80	PN16	2	709 490 218	709 490 618
100 - 80	104 - 132	80	PN16		709 490 224	709 490 624
100 - 80	104 - 132	80	PN16	¾	709 490 219	709 490 619
100 - 80	104 - 132	80	PN16	1	709 490 220	709 490 620
100 - 80	104 - 132	80	PN16	1 ¼	709 490 221	709 490 621
100 - 80	104 - 132	80	PN16	1 ½	709 490 222	709 490 622
100 - 80	104 - 132	80	PN16	2	709 490 223	709 490 623
150 - 100	154 - 192	100	PN16		709 490 238	709 490 638
150 - 100	154 - 192	100	PN16	¾	709 490 239	709 490 639
150 - 100	154 - 192	100	PN16	1	709 490 240	709 490 640
150 - 100	154 - 192	100	PN16	1 ¼	709 490 241	709 490 641
150 - 100	154 - 192	100	PN16	1 ½	709 490 242	709 490 642
150 - 100	154 - 192	100	PN16	2	709 490 243	709 490 643

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A4 Code	EPDM / A4 Code
50 - 80	46 - 72	80	PN16		709 490 013	709 490 313
50 - 80	46 - 72	80	PN16	¾	709 490 014	709 490 314
50 - 80	46 - 72	80	PN16	1	709 490 015	709 490 315
50 - 80	46 - 72	80	PN16	1 ¼	709 490 016	709 490 316
50 - 80	46 - 72	80	PN16	1 ½	709 490 017	709 490 317
50 - 80	46 - 72	80	PN16	2	709 490 018	709 490 318
100 - 80	104 - 132	80	PN16		709 490 024	709 490 324
100 - 80	104 - 132	80	PN16	¾	709 490 019	709 490 319
100 - 80	104 - 132	80	PN16	1	709 490 020	709 490 320
100 - 80	104 - 132	80	PN16	1 ¼	709 490 021	709 490 321
100 - 80	104 - 132	80	PN16	1 ½	709 490 022	709 490 322
100 - 80	104 - 132	80	PN16	2	709 490 023	709 490 323
150 - 100	154 - 192	100	PN16		709 490 038	709 490 338
150 - 100	154 - 192	100	PN16	¾	709 490 039	709 490 339
150 - 100	154 - 192	100	PN16	1	709 490 040	709 490 340
150 - 100	154 - 192	100	PN16	1 ¼	709 490 041	709 490 341
150 - 100	154 - 192	100	PN16	1 ½	709 490 042	709 490 342
150 - 100	154 - 192	100	PN16	2	709 490 043	709 490 343



DN-DN	a	b	d	e	f	h1	h2	PN Water	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	25.0	

PF 1 54 323 060



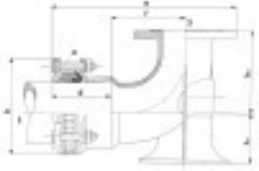
MULTI/JOINT® 3557 Wide Range Reduction duckfoot, restraint, Multi/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

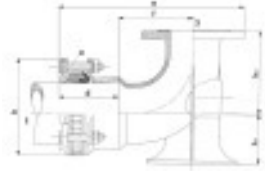
DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	
50 - 80	46 - 72	80	PN16		709 497 213	709 497 613	
50 - 80	46 - 72	80	PN16	¾	709 497 214	709 497 614	
50 - 80	46 - 72	80	PN16	1	709 497 215	709 497 615	
50 - 80	46 - 72	80	PN16	1 ¼	709 497 216	709 497 616	
50 - 80	46 - 72	80	PN16	1 ½	709 497 217	709 497 617	
50 - 80	46 - 72	80	PN16	2	709 497 218	709 497 618	
100 - 80	104 - 132	80	PN16		709 497 224	709 497 624	
100 - 80	104 - 132	80	PN16	¾	709 497 219	709 497 619	
100 - 80	104 - 132	80	PN16	1	709 497 220	709 497 620	
100 - 80	104 - 132	80	PN16	1 ¼	709 497 221	709 497 621	
100 - 80	104 - 132	80	PN16	1 ½	709 497 222	709 497 622	
100 - 80	104 - 132	80	PN16	2	709 497 223	709 497 623	
150 - 100	154 - 192	100	PN16		709 497 238	709 497 638	
150 - 100	154 - 192	100	PN16	¾	709 497 239	709 497 639	
150 - 100	154 - 192	100	PN16	1	709 497 240	709 497 640	
150 - 100	154 - 192	100	PN16	1 ¼	709 497 241	709 497 641	
150 - 100	154 - 192	100	PN16	1 ½	709 497 242	709 497 642	
150 - 100	154 - 192	100	PN16	2	709 497 243	709 497 643	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A4 Code	EPDM / A4 Code	
50 - 80	46 - 72	80	PN16		709 497 013	709 497 313	
50 - 80	46 - 72	80	PN16	¾	709 497 014	709 497 314	
50 - 80	46 - 72	80	PN16	1	709 497 015	709 497 315	
50 - 80	46 - 72	80	PN16	1 ¼	709 497 016	709 497 316	
50 - 80	46 - 72	80	PN16	1 ½	709 497 017	709 497 317	
50 - 80	46 - 72	80	PN16	2	709 497 018	709 497 318	
100 - 80	104 - 132	80	PN16		709 497 024	709 497 324	
100 - 80	104 - 132	80	PN16	¾	709 497 019	709 497 319	
100 - 80	104 - 132	80	PN16	1	709 497 020	709 497 320	
100 - 80	104 - 132	80	PN16	1 ¼	709 497 021	709 497 321	
100 - 80	104 - 132	80	PN16	1 ½	709 497 022	709 497 322	
100 - 80	104 - 132	80	PN16	2	709 497 023	709 497 323	
150 - 100	154 - 192	100	PN16		709 497 038	709 497 338	
150 - 100	154 - 192	100	PN16	¾	709 497 039	709 497 339	
150 - 100	154 - 192	100	PN16	1	709 497 040	709 497 340	
150 - 100	154 - 192	100	PN16	1 ¼	709 497 041	709 497 341	
150 - 100	154 - 192	100	PN16	1 ½	709 497 042	709 497 342	
150 - 100	154 - 192	100	PN16	2	709 497 043	709 497 343	



DN-DN	a	b	d	e	f	h1	h2	PN Water	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	

PF 1 54 323 061



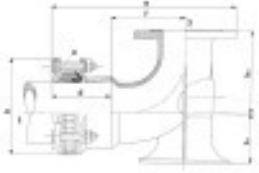
MULTI/JOINT® 3557 Wide Range Reduction duckfoot, restraint, Poly/Fiksers

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- Threaded outlet (3/4 - 2 inch) optional
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

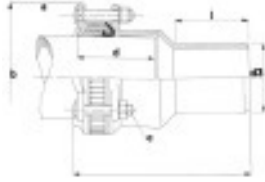
DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code
50 - 80	46 - 72	80	PN16		709 499 213	709 499 613
50 - 80	46 - 72	80	PN16	¾	709 499 214	709 499 614
50 - 80	46 - 72	80	PN16	1	709 499 215	709 499 615
50 - 80	46 - 72	80	PN16	1 ¼	709 499 216	709 499 616
50 - 80	46 - 72	80	PN16	1 ½	709 499 217	709 499 617
50 - 80	46 - 72	80	PN16	2	709 499 218	709 499 618
100 - 80	104 - 132	80	PN16		709 499 224	709 499 624
100 - 80	104 - 132	80	PN16	¾	709 499 219	709 499 619
100 - 80	104 - 132	80	PN16	1	709 499 220	709 499 620
100 - 80	104 - 132	80	PN16	1 ¼	709 499 221	709 499 621
100 - 80	104 - 132	80	PN16	1 ½	709 499 222	709 499 622
100 - 80	104 - 132	80	PN16	2	709 499 223	709 499 623
150 - 100	154 - 192	100	PN16		709 499 238	709 499 638
150 - 100	154 - 192	100	PN16	¾	709 499 239	709 499 639
150 - 100	154 - 192	100	PN16	1	709 499 240	709 499 640
150 - 100	154 - 192	100	PN16	1 ¼	709 499 241	709 499 641
150 - 100	154 - 192	100	PN16	1 ½	709 499 242	709 499 642
150 - 100	154 - 192	100	PN16	2	709 499 243	709 499 643

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A4 Code	EPDM / A4 Code
50 - 80	46 - 72	80	PN16		709 499 013	709 499 313
50 - 80	46 - 72	80	PN16	¾	709 499 014	709 499 314
50 - 80	46 - 72	80	PN16	1	709 499 015	709 499 315
50 - 80	46 - 72	80	PN16	1 ¼	709 499 016	709 499 316
50 - 80	46 - 72	80	PN16	1 ½	709 499 017	709 499 317
50 - 80	46 - 72	80	PN16	2	709 499 018	709 499 318
100 - 80	104 - 132	80	PN16		709 499 024	709 499 324
100 - 80	104 - 132	80	PN16	¾	709 499 019	709 499 319
100 - 80	104 - 132	80	PN16	1	709 499 020	709 499 320
100 - 80	104 - 132	80	PN16	1 ¼	709 499 021	709 499 321
100 - 80	104 - 132	80	PN16	1 ½	709 499 022	709 499 322
100 - 80	104 - 132	80	PN16	2	709 499 023	709 499 323
150 - 100	154 - 192	100	PN16		709 499 038	709 499 338
150 - 100	154 - 192	100	PN16	¾	709 499 039	709 499 339
150 - 100	154 - 192	100	PN16	1	709 499 040	709 499 340
150 - 100	154 - 192	100	PN16	1 ¼	709 499 041	709 499 341
150 - 100	154 - 192	100	PN16	1 ½	709 499 042	709 499 342
150 - 100	154 - 192	100	PN16	2	709 499 043	709 499 343



DN-DN	a	b	d	e	f	h1	h2	PN Water	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0	

PF 1 54 323 061



MULTI/JOINT® 3080 Wide Range Spigot, non-restraint

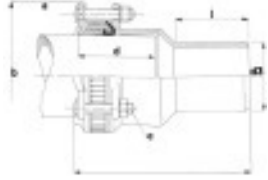
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	63	46 - 71	709 330 210	709 330 610	709 330 010	709 330 310
100	110	104 - 132	709 330 216	709 330 616	709 330 016	709 330 316
150	160	154 - 192	709 330 220	709 330 620	709 330 020	709 330 320
200	200	192 - 232	709 330 229	709 330 629	709 330 029	709 330 329

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
50	63	204 - 219	164	100	3xM12	75	25.0	8.0
100	110	258 - 277	269	110	3xM16	120	25.0	8.0
150	160	289 - 317	304	120	4xM16	135	25.0	8.0
200	200	335 - 362	354	140	6xM20	145	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3087 Wide Range Spigot, restraint, Multi/Fiksers

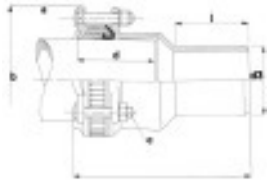
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	63	46 - 71	709 337 210	709 337 610	709 337 010	709 337 310
100	110	104 - 132	709 337 216	709 337 616	709 337 016	709 337 316
150	160	154 - 192	709 337 220	709 337 620	709 337 020	709 337 320
200	200	192 - 232	709 337 229	709 337 629	709 337 029	709 337 329

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
50	63	204 - 219	164	100	3xM12	75	16.0	8.0
100	110	258 - 277	269	110	3xM16	120	16.0	8.0
150	160	289 - 317	304	120	4xM16	135	16.0	8.0
200	200	335 - 362	354	140	6xM20	145	16.0	8.0

PF 1 54 323 061



MULTI/JOINT® 3087 Wide Range Spigot, restraint, Poly/Fiksers

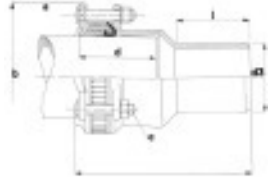
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- Sizes from DN200 up to DN300 will be replaced by the new MULTI/JOINT® 3000 Plus program in the course of 2008

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
50	63	46 - 71	709 339 210	709 339 610	709 339 010	709 339 310
100	110	104 - 132	709 339 216	709 339 616	709 339 016	709 339 316
150	160	154 - 192	709 339 220	709 339 620	709 339 020	709 339 320
200	200	192 - 232	709 339 229	709 339 629	709 339 029	709 339 329

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]
50	63	204 - 219	164	100	3xM12	75	16.0	8.0
100	110	258 - 277	269	110	3xM16	120	16.0	8.0
150	160	289 - 317	304	120	4xM16	135	16.0	8.0
200	200	335 - 362	354	140	6xM20	145	16.0	8.0

PF 1 54 323 061



MULTI/JOINT® 3180 Wide Range Reduction spigot, non-restraint

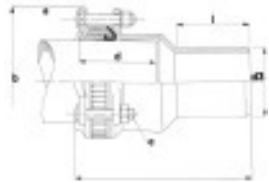
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80	110	84 - 105	709 340 224	709 340 624	709 340 024	709 340 324

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]
80	110	240 - 254	204	115	3xM12	120	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3187 Wide Range Reduction spigot, restraint, Multi/Fiksers

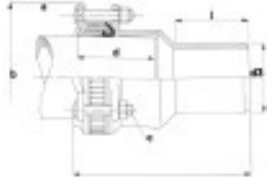
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Multi/Fiksers: DN50 and DN65: on all pipes. DN80 - DN300: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
80	110	84 - 105	709 347 224	709 347 624	709 347 024	709 347 324

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]
80	110	240 - 254	204	115	3xM12	120	16.0	8.0

PF 1 54 323 061



MULTI/JOINT® 3187 Wide Range Reduction spigot, restraint, Poly/Fiksers

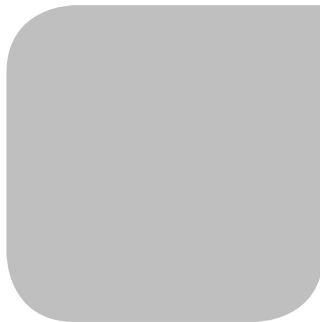
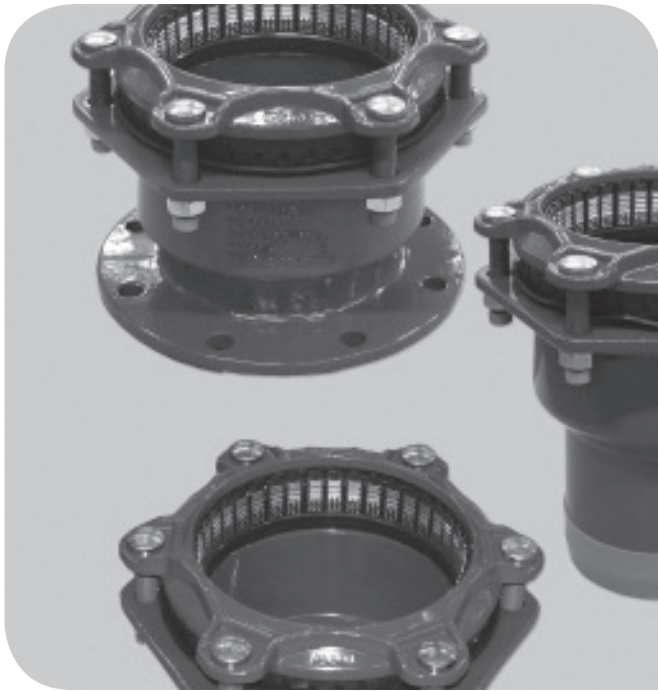
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Nakan GPM Flekscores
- Stainless steel A4 quality (AISI 316) Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- End load resistance with Poly/Fiksers: DN50 and DN65: use Multi/Fiksers. DN80 - DN300: best on all polyolefine pipes (PE, PP, ABS)
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
80	110	84 - 105	709 349 224	709 349 624	709 349 024	709 349 324	

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]	
80	110	240 - 254	204	115	3xM12	120	16.0	8.0	

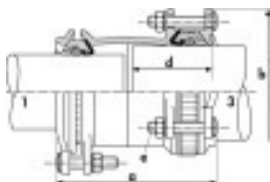
PF 1 54 323 061



**MULTI/JOINT® 3000
Plus**

MULTI/JOINT® 3000 Plus

MULTI/JOINT® 3000 Plus Wide Range Coupling, non-restraint



Model:

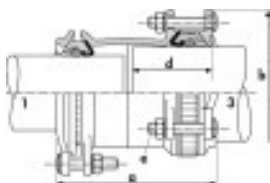
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
200	192 - 232	192 - 232	709 301 224	709 301 624	709 301 024	709 301 324
225	230 - 267	230 - 267	709 301 226	709 301 626	709 301 026	709 301 326
250	267 - 310	267 - 310	709 301 228	709 301 628	709 301 028	709 301 328
300	315 - 356	315 - 356	709 301 232	709 301 632	709 301 032	709 301 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
200	297 - 351	354	140	6xM20	25.0	8.0
225	342 - 404	386	145	6xM20	25.0	8.0
250	354 - 424	432	170	6xM20	25.0	8.0
300	356 - 426	490	170	8xM20	25.0	8.0

PF 1 54 323 060

MULTI/JOINT® 3007 Plus Wide Range Coupling, restraint, Uni/Fiksers



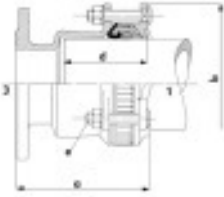
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
200	192 - 232	192 - 232	709 305 224	709 305 624	709 305 024	709 305 324
225	230 - 267	230 - 267	709 305 226	709 305 626	709 305 026	709 305 326
250	267 - 310	267 - 310	709 305 228	709 305 628	709 305 028	709 305 328
300	315 - 356	315 - 356	709 305 232	709 305 632	709 305 032	709 305 332

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
200	297 - 351	354	140	6xM20	16.0	5.0
225	342 - 404	386	145	6xM20	10.0	5.0
250	354 - 424	432	170	6xM20	10.0	5.0
300	356 - 426	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3050 Plus Wide Range Flange adaptor, non-restraint



Model:

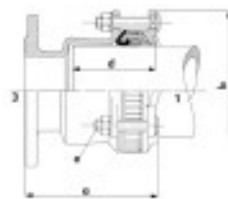
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
200	192 - 232	200	PN10	709 351 224	709 351 624	709 351 024	
200	192 - 232	200	PN16	709 351 225	709 351 625	709 351 025	
250	267 - 310	250	PN10	709 351 228	709 351 628	709 351 028	
250	267 - 310	250	PN16	709 351 229	709 351 629	709 351 029	
300	315 - 356	300	PN10	709 351 232	709 351 632	709 351 032	
300	315 - 356	300	PN16	709 351 233	709 351 633	709 351 033	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
200	192 - 232	200	PN10	709 351 324	
200	192 - 232	200	PN16	709 351 325	
250	267 - 310	250	PN10	709 351 328	
250	267 - 310	250	PN16	709 351 329	
300	315 - 356	300	PN10	709 351 332	
300	315 - 356	300	PN16	709 351 333	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
200	224 - 251	354	140	6xM20	25.0	8.0	
200	224 - 251	354	140	6xM20	25.0	8.0	
250	260 - 295	432	170	6xM20	25.0	8.0	
250	260 - 295	432	170	6xM20	25.0	8.0	
300	283 - 318	490	170	8xM20	25.0	8.0	
300	283 - 318	490	170	8xM20	25.0	8.0	

PF 1 54 323 060



MULTI/JOINT® 3057 Plus Wide Range Flange adaptor, restraint, Uni/Fiksers



Model:

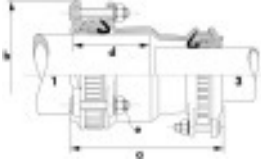
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
200	192 - 232	200	PN10	709 355 224	709 355 624	709 355 024	
200	192 - 232	200	PN16	709 355 225	709 355 625	709 355 025	
250	267 - 310	250	PN10	709 355 228	709 355 628	709 355 028	
250	267 - 310	250	PN16	709 355 229	709 355 629	709 355 029	
300	315 - 356	300	PN10	709 355 232	709 355 632	709 355 032	
300	315 - 356	300	PN16	709 355 233	709 355 633	709 355 033	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
200	192 - 232	200	PN10	709 355 324	
200	192 - 232	200	PN16	709 355 325	
250	267 - 310	250	PN10	709 355 328	
250	267 - 310	250	PN16	709 355 329	
300	315 - 356	300	PN10	709 355 332	
300	315 - 356	300	PN16	709 355 333	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
200	224 - 251	354	140	6xM20	16.0	8.0	
200	224 - 251	354	140	6xM20	16.0	8.0	
250	260 - 295	432	170	6xM20	10.0	5.0	
250	260 - 295	432	170	6xM20	10.0	5.0	
300	283 - 318	490	170	8xM20	10.0	5.0	
300	283 - 318	490	170	8xM20	10.0	5.0	

PF 1 54 323 061



MULTI/JOINT® 3100 Plus Wide Range Reduction Coupling, non-restraint



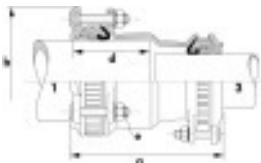
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
150 - 200	154 - 192	192 - 232	709 401 248	709 401 648	709 401 048	709 401 348
200 - 225	192 - 232	230 - 267	709 401 278	709 401 678	709 401 078	709 401 378
225 - 250	230 - 267	267 - 310	709 401 282	709 401 682	709 401 082	709 401 382
250 - 300	267 - 310	315 - 356	709 401 286	709 401 686	709 401 086	709 401 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150 - 200	265 - 321	354	120	6xM20/6xM20	25.0	8.0
200 - 225	340 - 398	386	145	6xM20/6xM20	25.0	8.0
225 - 250	385 - 424	432	170	6xM20/6xM20	25.0	8.0
250 - 300	356 - 426	490	170	6xM20/8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3107 Plus Wide Range Reduction Coupling, restraint, Uni/Fiksers



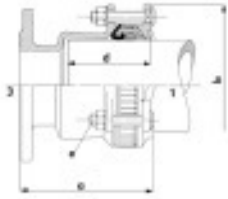
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
150 - 200	154 - 192	192 - 232	709 405 248	709 405 648	709 405 048	709 405 348
200 - 225	192 - 232	230 - 267	709 405 278	709 405 678	709 405 078	709 405 378
225 - 250	230 - 267	267 - 310	709 405 282	709 405 682	709 405 082	709 405 382
250 - 300	267 - 310	315 - 356	709 405 286	709 405 686	709 405 086	709 405 386

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150 - 200	265 - 321	354	120	4xM16/6xM20	16.0	8.0
200 - 225	340 - 398	386	145	6xM20/6xM20	10.0	5.0
225 - 250	385 - 424	432	170	6xM20/6xM20	10.0	5.0
250 - 300	356 - 426	490	170	6xM20/8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3150 Plus Wide Range Reduction flange adaptor, non-restraint



Model:

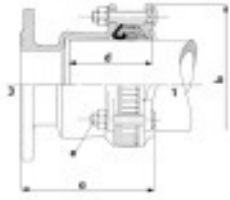
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
225 - 200	230 - 267	200	PN10	709 451 278	709 451 678	709 451 078	
225 - 200	230 - 267	200	PN16	709 451 279	709 451 679	709 451 079	
225 - 250	230 - 267	250	PN10	709 451 280	709 451 680	709 451 080	
225 - 250	230 - 267	250	PN16	709 451 281	709 451 681	709 451 081	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
225 - 200	230 - 267	200	PN10	709 451 378	
225 - 200	230 - 267	200	PN16	709 451 379	
225 - 250	230 - 267	250	PN10	709 451 380	
225 - 250	230 - 267	250	PN16	709 451 381	

DN-DN [mm]	a [mm]	a [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
225 - 200	274 - 301	386	190	6xM20	25.0	8.0	
225 - 200	274 - 301	386	190	6xM20	25.0	8.0	
225 - 250	212 - 239	386	130	6xM20	25.0	8.0	
225 - 250	212 - 239	386	130	6xM20	25.0	8.0	

PF 1 54 323 060



MULTI/JOINT® 3157 Plus Wide Range Reduction flange adaptor, restraint, Uni/Fiksers



Model:

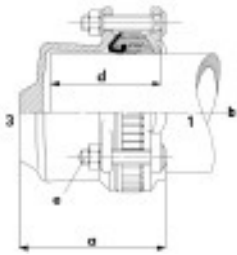
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
225 - 200	230 - 267	200	PN10	709 455 278	709 455 678	709 455 078	
225 - 200	230 - 267	200	PN16	709 455 279	709 455 679	709 455 079	
225 - 250	230 - 267	250	PN10	709 455 280	709 455 680	709 455 080	
225 - 250	230 - 267	250	PN16	709 455 281	709 455 681	709 455 081	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
225 - 200	230 - 267	200	PN10	709 455 378	
225 - 200	230 - 267	200	PN16	709 455 379	
225 - 250	230 - 267	250	PN10	709 455 380	
225 - 250	230 - 267	250	PN16	709 455 381	

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
225 - 200	274 - 301	386	190	6xM20	10.0	5.0	
225 - 200	274 - 301	386	190	6xM20	10.0	5.0	
225 - 250	212 - 239	386	130	6xM20	10.0	5.0	
225 - 250	212 - 239	386	130	6xM20	10.0	5.0	

PF 1 54 323 061



MULTI/JOINT® 3200 Plus Wide Range end-cap blind, non-restraint



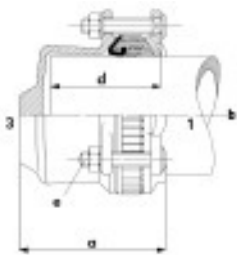
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
200	192 - 232	709 371 224	709 371 624	709 371 024	709 371 324	
225	230 - 267	709 371 226	709 371 626	709 371 026	709 371 326	
250	267 - 310	709 371 228	709 371 628	709 371 028	709 371 328	
300	315 - 356	709 371 232	709 371 632	709 371 032	709 371 332	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
200	180 - 207	354	140	6xM20	25.0	8.0	
225	211 - 242	386	145	6xM20	25.0	8.0	
250	214 - 249	432	170	6xM20	25.0	8.0	
300	219 - 254	490	170	8xM20	25.0	8.0	

PF 1 54 323 060



MULTI/JOINT® 3207 Plus Wide Range end-cap blind, restraint, Uni/Fiksers



Model:

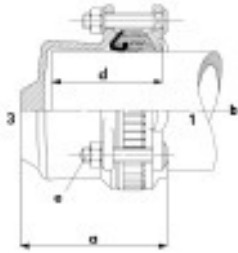
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
200	192 - 232	709 375 224	709 375 624	709 375 024	709 375 324	
225	230 - 267	709 375 226	709 375 626	709 375 026	709 375 326	
250	267 - 310	709 375 228	709 375 628	709 375 028	709 375 328	
300	315 - 356	709 375 232	709 375 632	709 375 032	709 375 332	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
200	180 - 207	354	140	6xM20	16.0	5.0	
225	211 - 242	386	145	6xM20	10.0	5.0	
250	214 - 249	432	170	6xM20	10.0	5.0	
300	219 - 254	490	170	8xM20	10.0	5.0	

PF 1 54 323 061

MULTI/JOINT® 3200 Plus Wide Range end-cap threaded, non-restraint



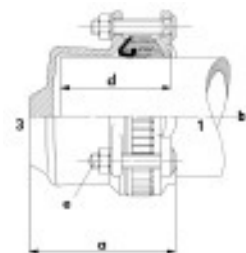
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
200	192 - 232	¾	709 381 234	709 381 634	709 381 034	709 381 334
200	192 - 232	1	709 381 235	709 381 635	709 381 035	709 381 335
200	192 - 232	1 ¼	709 381 236	709 381 636	709 381 036	709 381 336
200	192 - 232	1 ½	709 381 237	709 381 637	709 381 037	709 381 337
200	192 - 232	2	709 381 238	709 381 638	709 381 038	709 381 338
225	230 - 267	¾	709 381 249	709 381 649	709 381 049	709 381 349
225	230 - 267	1	709 381 250	709 381 650	709 381 050	709 381 350
225	230 - 267	1 ¼	709 381 251	709 381 651	709 381 051	709 381 351
225	230 - 267	1 ½	709 381 252	709 381 652	709 381 052	709 381 352
225	230 - 267	2	709 381 253	709 381 653	709 381 053	709 381 353
250	267 - 310	¾	709 381 239	709 381 639	709 381 039	709 381 339
250	267 - 310	1	709 381 240	709 381 640	709 381 040	709 381 340
250	267 - 310	1 ¼	709 381 241	709 381 641	709 381 041	709 381 341
250	267 - 310	1 ½	709 381 242	709 381 642	709 381 042	709 381 342
250	267 - 310	2	709 381 243	709 381 643	709 381 043	709 381 343
300	315 - 356	¾	709 381 244	709 381 644	709 381 044	709 381 344
300	315 - 356	1	709 381 245	709 381 645	709 381 045	709 381 345
300	315 - 356	1 ¼	709 381 246	709 381 646	709 381 046	709 381 346
300	315 - 356	1 ½	709 381 247	709 381 647	709 381 047	709 381 347
300	315 - 356	2	709 381 248	709 381 648	709 381 048	709 381 348

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
200	180 - 207	354	140	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
225	211 - 242	386	145	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
250	214 - 249	432	170	6xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0
300	219 - 254	490	170	8xM20	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3207 Plus Wide Range end-cap threaded, restraint, Uni/Fiksers



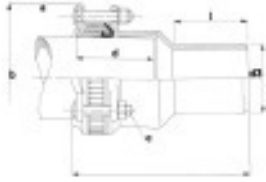
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal); Nakan GPM Flekscores
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
200	192 - 232	¾	709 385 234	709 385 634	709 385 034	709 385 334
200	192 - 232	1	709 385 235	709 385 635	709 385 035	709 385 335
200	192 - 232	1 ¼	709 385 236	709 385 636	709 385 036	709 385 336
200	192 - 232	1 ½	709 385 237	709 385 637	709 385 037	709 385 337
200	192 - 232	2	709 385 238	709 385 638	709 385 038	709 385 338
225	230 - 267	¾	709 385 239	709 385 639	709 385 039	709 385 339
225	230 - 267	1	709 385 240	709 385 640	709 385 040	709 385 340
225	230 - 267	1 ¼	709 385 241	709 385 641	709 385 041	709 385 341
225	230 - 267	1 ½	709 385 242	709 385 642	709 385 042	709 385 342
225	230 - 267	2	709 385 243	709 385 643	709 385 043	709 385 343
250	267 - 310	¾	709 385 244	709 385 644	709 385 044	709 385 344
250	267 - 310	1	709 385 245	709 385 645	709 385 045	709 385 345
250	267 - 310	1 ¼	709 385 246	709 385 646	709 385 046	709 385 346
250	267 - 310	1 ½	709 385 247	709 385 647	709 385 047	709 385 347
250	267 - 310	2	709 385 248	709 385 648	709 385 048	709 385 348
300	315 - 356	¾	709 385 249	709 385 649	709 385 049	709 385 349
300	315 - 356	1	709 385 250	709 385 650	709 385 050	709 385 350
300	315 - 356	1 ¼	709 385 251	709 385 651	709 385 051	709 385 351
300	315 - 356	1 ½	709 385 252	709 385 652	709 385 052	709 385 352
300	315 - 356	2	709 385 253	709 385 653	709 385 053	709 385 353

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
225	211 - 242	386	145	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
250	214 - 249	432	170	6xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0
300	219 - 254	490	170	8xM20	10.0	5.0

PF 1 54 323 061



MULTI/JOINT® 3080 Plus Wide Range Spigot, non-restraint



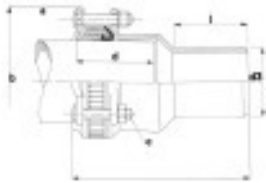
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
200	200	192 - 232	709 331 229	709 331 629	709 331 029	709 331 329	

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
200	200	335 - 362	354	140	6xM20	145	25.0	8.0

PF 1 54 323 060



MULTI/JOINT® 3087 Plus Wide Range Spigot, restraint, Uni/Fiksers



Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- PP Flekscores (20% glass-fibre reinforced)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for water and gas
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
200	200	192 - 232	709 335 229	709 335 629	709 335 029	709 335 329	

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
200	200	335 - 362	354	140	6xM20	145	16.0	8.0

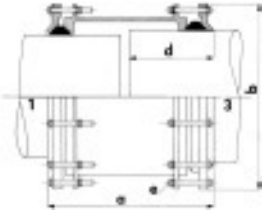
PF 1 54 323 061



MULTI/JOINT® XL

MULTI/JOINT® XL

MULTI/JOINT® XL 2500 Wide Range Coupling, non-restraint



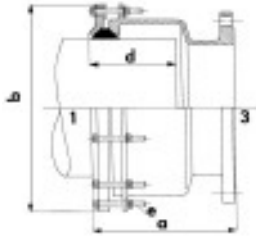
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Other dedicated sized couplings up to 2800 mm on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
350	356 - 380	356 - 380	709 006 200	709 006 600	709 006 000	709 006 300	
400	400 - 429	400 - 429	709 006 205	709 006 605	709 006 005	709 006 305	
450	450 - 482	450 - 482	709 006 207	709 006 607	709 006 007	709 006 307	
500	500 - 532	500 - 532	709 006 210	709 006 610	709 006 010	709 006 310	
600	605 - 637	605 - 637	709 006 215	709 006 615	709 006 015	709 006 315	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
350	520	551	240	8xM16	10.0	4.0	
400	520	600	240	10xM16	10.0	4.0	
450	520	653	240	10xM16	10.0	4.0	
500	520	720	240	10xM20	10.0	4.0	
600	520	820	240	12xM20	10.0	4.0	

PF 1 54 323 062



MULTI/JOINT® XL 2550 Wide Range Flange adaptor, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Other dedicated sized couplings up to 2800 mm on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
350	356 - 380	350	PN10	709 008 255	709 008 655	709 008 055	
400	400 - 429	400	PN10	709 008 260	709 008 660	709 008 060	
500	500 - 532	500	PN10	709 008 264	709 008 664	709 008 064	
600	605 - 637	600	PN10	709 008 270	709 008 670	709 008 070	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
350	356 - 380	350	PN10	709 008 355	
400	400 - 429	400	PN10	709 008 360	
500	500 - 532	500	PN10	709 008 364	
600	605 - 637	600	PN10	709 008 370	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
350	360	551	240	8xM16	10.0	4.0	
400	360	600	240	10xM16	10.0	4.0	
500	360	720	240	10xM20	10.0	4.0	
600	360	820	240	12xM20	10.0	4.0	

PF 1 54 323 062



MULTI/JOINT® XL 2600 Wide Range Reduction Coupling, non-restraint

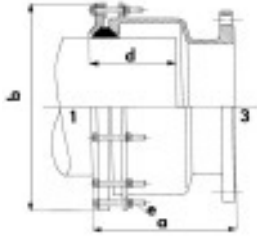
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Other dedicated sized couplings up to 2800 mm on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	
300 - 350	315 - 337	356 - 380	709 007 205	709 007 605	709 007 005	709 007 305	
400 - 450	400 - 429	450 - 482	709 007 210	709 007 610	709 007 010	709 007 310	
500 - 550	500 - 532	548 - 580	709 007 215	709 007 615	709 007 015	709 007 315	

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
300 - 350	520	551	240	8xM16/8xM16	10.0	4.0	
400 - 450	520	653	240	10xM16/10xM16	10.0	4.0	
500 - 550	520	765	240	12xM20/12xM20	10.0	4.0	

PF 1 54 323 062



MULTI/JOINT® XL 2650 Wide Range Reduction Flange Adaptor, non-restraint

Model:

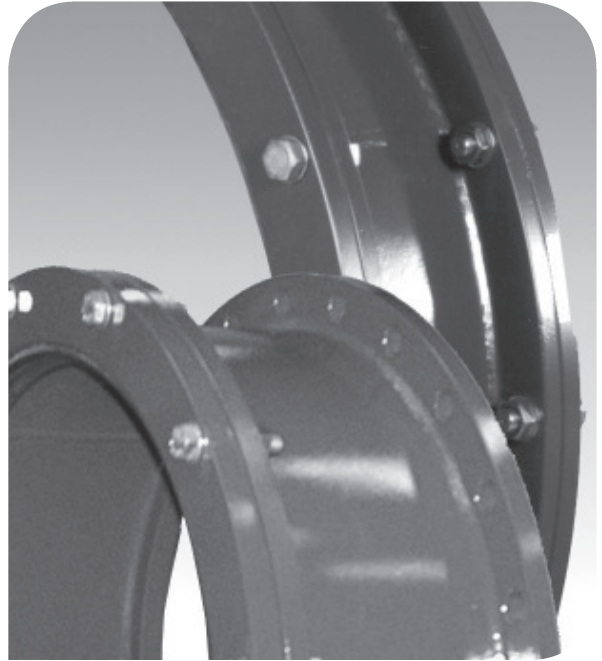
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Other dedicated sized couplings up to 2800 mm on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
350 - 300	356 - 380	300	PN10	709 008 250	709 008 650	709 008 050	
450 - 400	450 - 482	400	PN10	709 008 262	709 008 662	709 008 062	
550 - 500	548 - 580	500	PN10	709 008 266	709 008 666	709 008 066	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	
350 - 300	356 - 380	300	PN10	709 008 350	
450 - 400	450 - 482	400	PN10	709 008 362	
550 - 500	548 - 580	500	PN10	709 008 366	

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
350 - 300	360	551	240	8xM16	10.0	4.0	
450 - 400	360	653	240	10xM16	10.0	4.0	
550 - 500	360	765	240	10xM20	10.0	4.0	

PF 1 54 323 062



ST-System

ST-System

Coupling, non-restraint



Model:

- Body & clamp ring: steel (ST 37-2)
- Bolts & nuts: steel 8.8 galvanized (stainless steel A2/A4 optional)
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Working pressures: Water: 10 bar, 16 bar or 25 bar; Gas: 4
- Ranges: DN200 => 3 mm (+1,5 / -1,5), DN250 t/m DN500 => 4 mm (+2 / -2), DN600 t/m DN800 => 5 mm (+2,5 / -2,5)
- All kinds of dimensions from DN80 up to DN2800 are possible on request and different lengths and pressure classes are also possible by mentioning exact outside diameter
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Length [mm]	Code
80	300	DN80C-N
100	300	DN100C-N
200	300	DN200C-N
250	300	DN250C-N
300	300	DN300C-N
350	300	DN350C-N
400	300	DN400C-N
450	300	DN450C-N
500	300	DN500C-N
550	300	DN550C-N
600	300	DN600C-N
650	300	DN650C-N
700	300	DN700C-N
800	300	DN800C-N
900	300	DN900C-N
1000	300	DN1000C-N
1100	300	DN1100C-N
1200	300	DN1200C-N
1300	300	DN1300C-N
1400	300	DN1400C-N
1500	300	DN1500C-N
1600	300	DN1600C-N
1700	300	DN1700C-N
1800	300	DN1800C-N
1900	300	DN1900C-N
2000	300	DN2000C-N
2100	300	DN2100C-N
2200	300	DN2200C-N
2300	300	DN2300C-N
2400	300	DN2400C-N
2500	300	DN2500C-N
2600	300	DN2600C-N
2700	300	DN2700C-N
2800	300	DN2800C-N

PF 1 54 324 013



Flange Adapter, non-restraint

Model:

- Body & clamp ring: steel (ST 37-2)
- Bolts & nuts: steel 8.8 galvanized (stainless steel A2/A4 optional)
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Working pressures: Water: 10 bar, 16 bar or 25 bar; Gas: 4
- Ranges: DN200 => 3 mm (+1,5 / -1,5), DN250 t/m DN500 => 4 mm (+2 / -2), DN600 t/m DN800 => 5 mm (+2,5 / -2,5)
- All kinds of dimensions from DN80 up to DN2800 are possible on request and different lengths and pressure classes are also possible by mentioning exact outside diameter
- Flange drilling: PN10, others on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	DN flange [mm]	Length [mm]	Code
80	80	300	DN80F-N
100	100	300	DN100F-N
200	200	300	DN200F-N
250	250	300	DN250F-N
300	300	300	DN300F-N
350	350	300	DN350F-N
400	400	300	DN400F-N
450	450	300	DN450F-N
500	500	300	DN500F-N
550	550	300	DN550F-N
600	600	300	DN600F-N
650	650	300	DN650F-N
700	700	300	DN700F-N
800	800	300	DN800F-N
900	900	300	DN900F-N
1000	1000	300	DN1000F-N
1100	1100	300	DN1100F-N
1200	1200	300	DN1200F-N
1300	1300	300	DN1300F-N
1400	1400	300	DN1400F-N
1500	1500	300	DN1500F-N
1600	1600	300	DN1600F-N
1700	1700	300	DN1700F-N
1800	1800	300	DN1800F-N
1900	1900	300	DN1900F-N
2000	2000	300	DN2000F-N
2100	2100	300	DN2100F-N
2200	2200	300	DN2200F-N
2300	2300	300	DN2300F-N
2400	2400	300	DN2400F-N
2500	2500	300	DN2500F-N
2600	2600	300	DN2600F-N
2700	2700	300	DN2700F-N
2800	2800	300	DN2800F-N

PF 1 54 324 013



Reduction Coupling, non-restraint

Model:

- Body & clamp ring: steel (ST 37-2)
- Bolts & nuts: steel 8.8 galvanized (stainless steel A2/A4 optional)
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Working pressures: Water: 10 bar, 16 bar or 25 bar; Gas: 4
- Ranges: DN200 => 3 mm (+1,5 / -1,5), DN250 t/m DN500 => 4 mm (+2 / -2), DN600 t/m DN800 => 5 mm (+2,5 / -2,5)
- All kinds of dimensions from DN80 up to DN2800 are possible on request and different lengths and pressure classes are also possible by mentioning exact outside diameter
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	Length [mm]	Code
80	300	DN80RC-N
100	300	DN100RC-N
200	300	DN200RC-N
250	300	DN250RC-N
300	300	DN300RC-N
350	300	DN350RC-N
400	300	DN400RC-N
450	300	DN450RC-N
500	300	DN500RC-N
550	300	DN550RC-N
600	300	DN600RC-N
650	300	DN650RC-N
700	300	DN700RC-N
800	300	DN800RC-N
900	300	DN900RC-N
1000	300	DN1000RC-N
1100	300	DN1100RC-N
1200	300	DN1200RC-N
1300	300	DN1300RC-N
1400	300	DN1400RC-N
1500	300	DN1500RC-N
1600	300	DN1600RC-N
1700	300	DN1700RC-N
1800	300	DN1800RC-N
1900	300	DN1900RC-N
2000	300	DN2000RC-N
2100	300	DN2100RC-N
2200	300	DN2200RC-N
2300	300	DN2300RC-N
2400	300	DN2400RC-N
2500	300	DN2500RC-N
2600	300	DN2600RC-N
2700	300	DN2700RC-N
2800	300	DN2800RC-N

PF 1 54 324 013



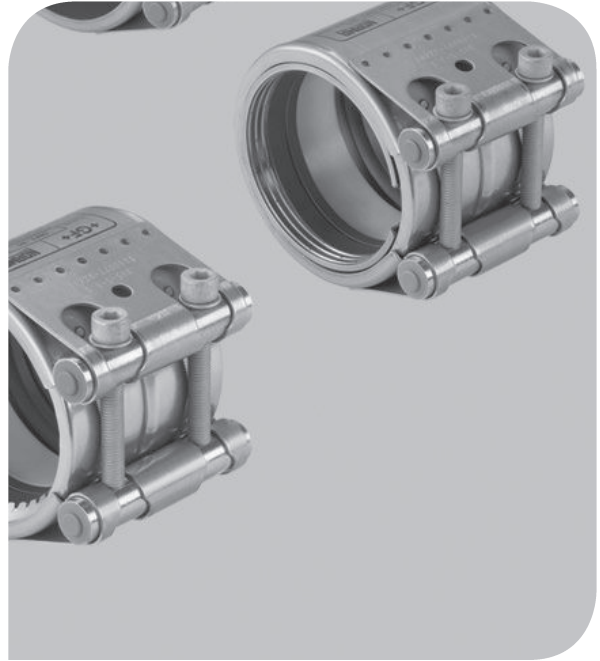
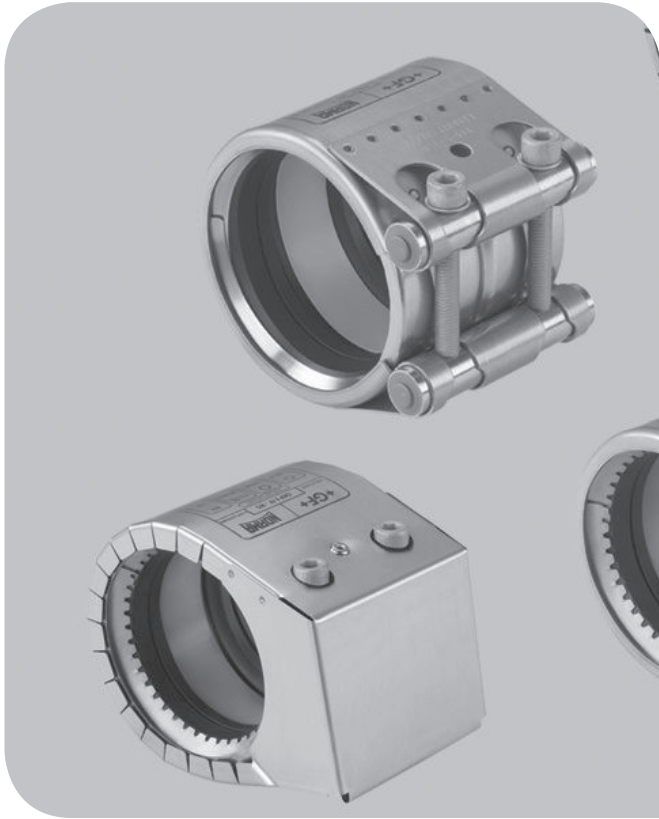
Reduction Flange Adapter, non-restraint

Model:

- Body & clamp ring: steel (ST 37-2)
- Bolts & nuts: steel 8.8 galvanized (stainless steel A2/A4 optional)
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Working pressures: Water: 10 bar, 16 bar or 25 bar; Gas: 4
- Ranges: DN200 => 3 mm (+1,5 / -1,5), DN250 t/m DN500 => 4 mm (+2 / -2), DN600 t/m DN800 => 5 mm (+2,5 / -2,5)
- All kinds of dimensions from DN80 up to DN2800 are possible on request and different lengths and pressure classes are also possible by mentioning exact outside diameter
- Flange drilling: PN10, others on request
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook

DN [mm]	DN flange [mm]	Length [mm]	Code
80	80 - 2800	300	DN80RF-N
100	80 - 2800	300	DN100RF-N
200	80 - 2800	300	DN200RF-N
250	80 - 2800	300	DN250RF-N
300	80 - 2800	300	DN300RF-N
350	80 - 2800	300	DN350RF-N
400	80 - 2800	300	DN400RF-N
450	80 - 2800	300	DN450RF-N
500	80 - 2800	300	DN500RF-N
550	80 - 2800	300	DN550RF-N
600	80 - 2800	300	DN600RF-N
650	80 - 2800	300	DN650RF-N
700	80 - 2800	300	DN700RF-N
800	80 - 2800	300	DN800RF-N
900	80 - 2800	300	DN900RF-N
1000	80 - 2800	300	DN1000RF-N
1100	80 - 2800	300	DN1100RF-N
1200	80 - 2800	300	DN1200RF-N
1300	80 - 2800	300	DN1300RF-N
1400	80 - 2800	300	DN1400RF-N
1500	80 - 2800	300	DN1500RF-N
1600	80 - 2800	300	DN1600RF-N
1700	80 - 2800	300	DN1700RF-N
1800	80 - 2800	300	DN1800RF-N
1900	80 - 2800	300	DN1900RF-N
2000	80 - 2800	300	DN2000RF-N
2100	80 - 2800	300	DN2100RF-N
2200	80 - 2800	300	DN2200RF-N
2300	80 - 2800	300	DN2300RF-N
2400	80 - 2800	300	DN2400RF-N
2500	80 - 2800	300	DN2500RF-N
2600	80 - 2800	300	DN2600RF-N
2700	80 - 2800	300	DN2700RF-N
2800	80 - 2800	300	DN2800RF-N

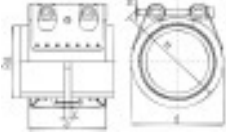
PF 1 54 324 013



FGR Stainless Steel Couplings

FGR - Stainless Steel Couplings

Flex E d26 up to d100

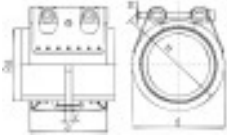


Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.4 - 27.5	16.0	70.0	779 101 001	779 104 001	779 109 001
28.0	27.5 - 28.5	16.0	70.0	779 101 002	779 104 002	779 109 002
30.0	29.5 - 30.6	16.0	70.0	779 101 003	779 104 003	779 109 003
33.7	33.0 - 34.3	16.0	60.0	779 101 005	779 104 005	779 109 005
35.0	34.5 - 35.6	16.0	60.0	779 101 006	779 104 006	779 109 006
38.0	37.5 - 38.6	16.0	60.0	779 101 007	779 104 007	779 109 007
42.4	41.7 - 43.0	16.0	50.0	779 101 009	779 104 009	779 109 009
44.5	44.0 - 45.1	16.0	50.0	779 101 010	779 104 010	779 109 010
48.3	47.6 - 50.5	16.0	50.0	779 101 011	779 104 011	779 109 011
54.0	53.3 - 54.6	16.0	50.0	779 101 014	779 104 014	779 109 014
57.0	56.3 - 57.7	16.0	50.0	779 101 015	779 104 015	779 109 015
60.3	59.5 - 61.0	16.0	40.0	779 101 016	779 104 016	779 109 016
63.0	62.2 - 63.9	16.0	40.0	779 101 017	779 104 017	779 109 017
70.0	69.0 - 71.0	16.0	40.0	779 101 018	779 104 018	779 109 018
73.0	72.1 - 73.8	16.0	40.0	779 101 019	779 104 019	779 109 019
76.1	75.2 - 77.0	16.0	35.0	779 101 020	779 104 020	779 109 020
78.0	77.1 - 78.9	16.0	35.0	779 101 021	779 104 021	779 109 021
80.0	79.0 - 80.8	16.0	35.0	779 101 022	779 104 022	779 109 022
84.0	83.0 - 85.0	16.0	35.0	779 101 024	779 104 024	779 109 024
88.9	87.0 - 89.9	16.0	35.0	779 101 025	779 104 025	779 109 025
98.0	96.9 - 99.0	16.0	35.0	779 101 028	779 104 028	779 109 028

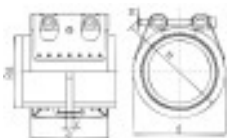
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
26.9	26.4 - 27.5	16.0	70.0	779 112 001
28.0	27.5 - 28.5	16.0	70.0	779 112 002
30.0	29.5 - 30.6	16.0	70.0	779 112 003
33.7	33.0 - 34.3	16.0	60.0	779 112 005
35.0	34.5 - 35.6	16.0	60.0	779 112 006
38.0	37.5 - 38.6	16.0	60.0	779 112 007
42.4	41.7 - 43.0	16.0	50.0	779 112 009
44.5	44.0 - 45.1	16.0	50.0	779 112 010
48.3	47.6 - 50.5	16.0	50.0	779 112 011
54.0	53.3 - 54.6	16.0	50.0	779 112 014
57.0	56.3 - 57.7	16.0	50.0	779 112 015
60.3	59.5 - 61.0	16.0	40.0	779 112 016
63.0	62.2 - 63.9	16.0	40.0	779 112 017
70.0	69.0 - 71.0	16.0	40.0	779 112 018
73.0	72.1 - 73.8	16.0	40.0	779 112 019
76.1	75.2 - 77.0	16.0	35.0	779 112 020



d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
78.0	77.1 - 78.9	16.0	35.0	779 112 021
80.0	79.0 - 80.8	16.0	35.0	779 112 022
84.0	83.0 - 85.0	16.0	35.0	779 112 024
88.9	87.0 - 89.9	16.0	35.0	779 112 025
98.0	96.9 - 99.0	16.0	35.0	779 112 028

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
26.9	47	3	50	70
28.0	47	3	50	70
30.0	47	3	50	70
33.7	47	3	55	75
35.0	63	8	55	75
38.0	63	8	60	80
42.4	63	8	65	85
44.5	63	8	65	85
48.3	63	8	70	90
54.0	78	17	75	95
57.0	78	17	80	100
60.3	78	17	85	105
63.0	78	17	85	105
70.0	98	25	90	110
73.0	98	25	95	115
76.1	98	25	100	120
78.0	98	25	100	120
80.0	98	25	100	120
84.0	98	25	105	125
88.9	98	25	110	130
98.0	98	25	120	140

PF 1 54 500 122



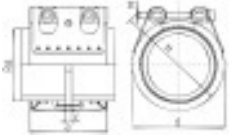
Flex E d101 up to d250

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 101 029	779 104 029	779 109 029
104.0	102.8 - 106.1	16.0	35.0	779 101 030	779 104 030	779 109 030
108.0	106.8 - 109.2	16.0	35.0	779 101 032	779 104 032	779 109 032
110.0	108.8 - 111.4	16.0	35.0	779 101 328	779 104 328	779 109 328
114.3	113.0 - 115.5	16.0	35.0	779 101 033	779 104 033	779 109 033
118.0	116.6 - 119.2	16.0	35.0	779 101 034	779 104 034	779 109 034
122.0	120.8 - 123.2	16.0	32.0	779 101 036	779 104 036	779 109 036
125.0	123.6 - 126.5	16.0	32.0	779 101 037	779 104 037	779 109 037
129.0	127.6 - 131.1	16.0	32.0	779 101 038	779 104 038	779 109 038
133.0	131.5 - 134.4	16.0	32.0	779 101 039	779 104 039	779 109 039
139.7	138.1 - 141.6	16.0	32.0	779 101 040	779 104 040	779 109 040
141.3	139.6 - 142.8	16.0	32.0	779 101 041	779 104 041	779 109 041
144.0	142.4 - 145.5	16.0	32.0	779 101 042	779 104 042	779 109 042
154.0	152.3 - 156.1	16.0	32.0	779 101 045	779 104 045	779 109 045
159.0	157.3 - 160.7	16.0	32.0	779 101 046	779 104 046	779 109 046
168.3	166.5 - 170.1	16.0	32.0	779 101 050	779 104 050	779 109 050
170.0	168.2 - 171.9	16.0	32.0	779 101 051	779 104 051	779 109 051
180.0	178.0 - 182.0	13.5	30.0	779 101 054	779 104 054	779 109 054
193.7	192.0 - 196.0	13.5	28.0	779 101 058	779 104 058	779 109 058
206.0	202.0 - 208.0	13.5	26.5	779 101 060	779 104 060	779 109 060
219.1	216.0 - 221.0	13.5	23.0	779 101 063	779 104 063	779 109 063
225.0	222.0 - 227.0	12.0	23.0	779 101 065	779 104 065	779 109 065
229.9	228.0 - 232.0	12.0	23.0	779 101 066	779 104 066	779 109 066
244.5	242.0 - 247.0	12.0	22.0	779 101 070	779 104 070	779 109 070

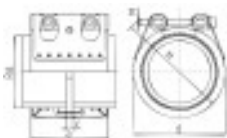
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 112 029
104.0	102.8 - 106.1	16.0	35.0	779 112 030
108.0	106.8 - 109.2	16.0	35.0	779 112 032
110.0	108.8 - 111.4	16.0	35.0	779 112 328
114.3	113.0 - 115.5	16.0	35.0	779 112 033
118.0	116.6 - 119.2	16.0	35.0	779 112 034
122.0	120.8 - 123.2	16.0	32.0	779 112 036
125.0	123.6 - 126.5	16.0	32.0	779 112 037
129.0	127.6 - 131.1	16.0	32.0	779 112 038
133.0	131.5 - 134.4	16.0	32.0	779 112 039
139.7	138.1 - 141.6	16.0	32.0	779 112 040
141.3	139.6 - 142.8	16.0	32.0	779 112 041
144.0	142.4 - 145.5	16.0	32.0	779 112 042
154.0	152.3 - 156.1	16.0	32.0	779 112 045
159.0	157.3 - 160.7	16.0	32.0	779 112 046
168.3	166.5 - 170.1	16.0	32.0	779 112 050
170.0	168.2 - 171.9	16.0	32.0	779 112 051



d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
180.0	178.0 - 182.0	13.5	30.0	779 112 054
193.7	192.0 - 196.0	13.5	28.0	779 112 058
206.0	202.0 - 208.0	13.5	26.5	779 112 060
219.1	216.0 - 221.0	13.5	23.0	779 112 063
225.0	222.0 - 227.0	12.0	23.0	779 112 065
229.9	228.0 - 232.0	12.0	23.0	779 112 066
244.5	242.0 - 247.0	12.0	22.0	779 112 070

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
101.6	98	25	125	145
104.0	98	25	125	145
108.0	98	25	130	150
110.0	98	25	130	150
114.3	98	25	135	155
118.0	98	25	140	160
122.0	113	35	145	165
125.0	113	35	145	165
129.0	113	35	155	185
133.0	113	35	160	190
139.7	113	35	165	195
141.3	113	35	170	200
144.0	113	35	170	200
154.0	113	35	180	210
159.0	113	35	185	215
168.3	113	35	195	225
170.0	113	35	195	225
180.0	139	35	210	240
193.7	139	35	225	255
206.0	139	35	240	270
219.1	139	35	250	280
225.0	139	35	255	285
229.9	139	35	260	290
244.5	139	35	275	305

PF 1 54 500 122



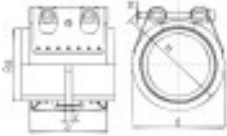
Flex E d251 up to d1220

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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]	NBR W2 Code	EPDM W2 Code
254.0	250.0 - 256.0	12.0	21.0	779 101 073	779 104 073
267.0	264.0 - 269.0	12.0	20.0	779 101 076	779 104 076
273.0	270.0 - 275.0	12.0	20.0	779 101 078	779 104 078
306.0	302.0 - 308.0	9.0	17.5	779 101 085	779 104 085
323.9	320.0 - 327.0	9.0	17.5	779 101 091	779 104 091
326.0	322.0 - 329.0	9.0	16.5	779 101 092	779 104 092
355.6	352.0 - 359.0	9.0	15.0	779 101 102	779 104 102
406.4	402.0 - 410.0	7.5	14.0	779 101 116	779 104 116
429.0	426.0 - 431.0	5.5	13.0	779 101 124	779 104 124
442.0	439.0 - 444.0	5.5	13.0	779 101 127	779 104 127
457.2	454.0 - 459.0	5.5	12.0	779 101 131	779 104 131
508.0	505.0 - 510.0	5.5	11.0	779 101 145	779 104 145
531.0	528.0 - 534.0	5.5	10.5	779 101 152	779 104 152
558.8	556.0 - 562.0	5.5	10.0	779 101 159	779 104 159
609.6	606.0 - 613.0	4.5	9.0	779 101 172	779 104 172
634.0	631.0 - 637.0	4.5	8.0	779 101 179	779 104 179
711.2	707.0 - 715.0	4.0	7.0	779 101 197	779 104 197
762.0	758.0 - 766.0	3.2	7.0	779 101 210	779 104 210
813.0	808.0 - 817.0	3.2	6.5	779 101 223	779 104 223
914.4	909.0 - 919.0	2.0	5.5	779 101 245	779 104 245
1016.0	1013.0 - 1019.0	2.0	5.0	779 101 271	779 104 271
1118.0	1114.0 - 1120.0	2.0	4.5	779 101 296	779 104 296
1220.0	1216.0 - 1222.0	2.0	4.0	779 101 319	779 104 319

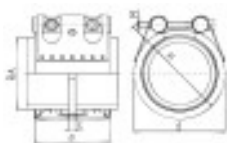
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
254.0	250.0 - 256.0	12.0	21.0	779 109 073	779 112 073
267.0	264.0 - 269.0	12.0	20.0	779 109 076	779 112 076
273.0	270.0 - 275.0	12.0	20.0	779 109 078	779 112 078
306.0	302.0 - 308.0	9.0	17.5	779 109 085	779 112 085
323.9	320.0 - 327.0	9.0	17.5	779 109 091	779 112 091
326.0	322.0 - 329.0	9.0	16.5	779 109 092	779 112 092
355.6	352.0 - 359.0	9.0	15.0	779 109 102	779 112 102
406.4	402.0 - 410.0	7.5	14.0	779 109 116	779 112 116
429.0	426.0 - 431.0	5.5	13.0	779 109 124	779 112 124
442.0	439.0 - 444.0	5.5	13.0	779 109 127	779 112 127
457.2	454.0 - 459.0	5.5	12.0	779 109 131	779 112 131
508.0	505.0 - 510.0	5.5	11.0	779 109 145	779 112 145
531.0	528.0 - 534.0	5.5	10.5	779 109 152	779 112 152
558.8	556.0 - 562.0	5.5	10.0	779 109 159	779 112 159
609.6	606.0 - 613.0	4.5	9.0	779 109 172	779 112 172
634.0	631.0 - 637.0	4.5	8.0	779 109 179	779 112 179
711.2	707.0 - 715.0	4.0	7.0	779 109 197	779 112 197
762.0	758.0 - 766.0	3.2	7.0	779 109 210	779 112 210



d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
813.0	808.0 - 817.0	3.2	6.5	779 109 223	779 112 223
914.4	909.0 - 919.0	2.0	5.5	779 109 245	779 112 245
1016.0	1013.0 - 1019.0	2.0	5.0	779 109 271	779 112 271
1118.0	1114.0 - 1120.0	2.0	4.5	779 109 296	779 112 296
1220.0	1216.0 - 1222.0	2.0	4.0	779 109 319	779 112 319

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
254.0	139	35	285	315
267.0	139	35	300	330
273.0	139	35	305	335
306.0	139	35	340	370
323.9	139	35	355	385
326.0	139	35	355	390
355.6	139	35	390	420
406.4	139	35	440	470
429.0	139	35	460	490
442.0	139	35	475	505
457.2	139	35	490	520
508.0	139	35	540	570
531.0	139	35	565	595
558.8	139	35	590	620
609.6	139	35	640	670
634.0	139	35	665	695
711.2	139	35	745	775
762.0	139	35	795	825
813.0	139	35	845	935
914.4	139	35	945	1035
1016.0	139	35	1050	1140
1118.0	139	35	1150	1240
1220.0	139	35	1250	1340

PF 1 54 500 122



Flex d180 up to d406

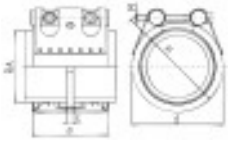
Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
180.0	178.0 - 182.0	23.5	50.0	779 054 054	779 056 054	779 062 054
193.7	192.0 - 196.0	23.5	46.0	779 054 058	779 056 058	779 062 058
206.0	204.0 - 208.0	20.0	43.0	779 054 060	779 056 060	779 062 060
219.1	216.0 - 221.0	18.0	40.5	779 054 063	779 056 063	779 062 063
225.0	222.0 - 227.0	18.0	40.0	779 054 065	779 056 065	779 062 065
229.9	228.0 - 232.0	18.0	39.0	779 054 066	779 056 066	779 062 066
244.5	242.0 - 247.0	18.0	37.0	779 054 070	779 056 070	779 062 070
254.0	250.0 - 256.0	18.0	35.5	779 054 073	779 056 073	779 062 073
267.0	264.0 - 269.0	18.0	35.5	779 054 076	779 056 076	779 062 076
273.0	270.0 - 275.0	18.0	33.0	779 054 078	779 056 078	779 062 078
306.0	302.0 - 308.0	17.0	29.0	779 054 085	779 056 085	779 062 085
323.9	320.0 - 327.0	15.0	28.0	779 054 091	779 056 091	779 062 091
326.0	322.0 - 329.0	13.0	27.5	779 054 092	779 056 092	779 062 092
355.6	352.0 - 359.0	13.0	25.0	779 054 102	779 056 102	779 062 102
406.4	402.0 - 410.0	10.0	22.0	779 054 116	779 056 116	779 062 116

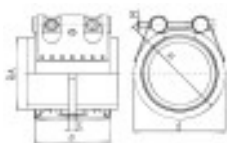
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
180.0	178.0 - 182.0	23.5	50.0	779 064 054
193.7	192.0 - 196.0	23.5	46.0	779 064 058
206.0	204.0 - 208.0	20.0	43.0	779 064 060
219.1	216.0 - 221.0	18.0	40.5	779 064 063
225.0	222.0 - 227.0	18.0	40.0	779 064 065
229.9	228.0 - 232.0	18.0	39.0	779 064 066
244.5	242.0 - 247.0	18.0	37.0	779 064 070
254.0	250.0 - 256.0	18.0	35.5	779 064 073
267.0	264.0 - 269.0	18.0	35.5	779 064 076
273.0	270.0 - 275.0	18.0	33.0	779 064 078
306.0	302.0 - 308.0	17.0	29.0	779 064 085
323.9	320.0 - 327.0	15.0	28.0	779 064 091
326.0	322.0 - 329.0	13.0	27.5	779 064 092
355.6	352.0 - 359.0	13.0	25.0	779 064 102
406.4	402.0 - 410.0	10.0	22.0	779 064 116

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
180.0	141	35	210	240
193.7	141	35	225	255
206.0	141	35	240	270
219.1	141	35	250	280
225.0	141	35	255	285
229.9	141	35	260	290
244.5	141	35	275	305
254.0	141	35	285	315
267.0	141	35	300	330
273.0	141	35	305	335



PF 1 54 500 112

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]	
306.0	141	35	340	370	
323.9	141	35	355	385	
326.0	141	35	360	390	
355.6	141	35	390	420	
406.4	141	35	440	470	



Flex d429 up to d1219

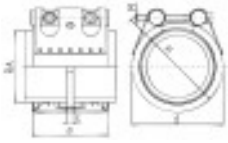
Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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]	NBR W2 Code	EPDM W2 Code
429.0	426.0 - 431.0	7.5	21.0	779 054 124	779 056 124
442.0	439.0 - 444.0	7.5	20.0	779 054 127	779 056 127
457.2	454.0 - 459.0	7.5	19.5	779 054 131	779 056 131
508.0	505.0 - 510.0	7.5	17.0	779 054 145	779 056 145
531.0	528.0 - 534.0	7.5	16.0	779 054 152	779 056 152
558.8	556.0 - 562.0	7.5	15.5	779 054 159	779 056 159
609.6	606.0 - 613.0	6.0	14.0	779 054 172	779 056 172
634.0	631.0 - 637.0	5.0	13.5	779 054 179	779 056 179
711.2	707.0 - 715.0	5.0	12.0	779 054 197	779 056 197
762.0	758.0 - 766.0	4.5	11.0	779 054 210	779 056 210
812.8	808.0 - 817.0	4.5	10.5	779 054 223	779 056 223
914.4	909.0 - 919.0	3.3	9.5	779 054 245	779 056 245
1016.0	1013.0 - 1019.0	3.3	8.0	779 054 271	779 056 271
1117.5	1114.0 - 1120.0	3.3	7.5	779 054 296	779 056 296
1219.2	1216.0 - 1222.0	3.3	7.0	779 054 319	779 056 319

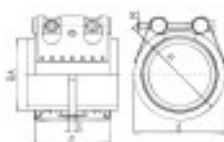
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
429.0	426.0 - 431.0	7.5	21.0	779 062 124	779 064 124
442.0	439.0 - 444.0	7.5	20.0	779 062 127	779 064 127
457.2	454.0 - 459.0	7.5	19.5	779 062 131	779 064 131
508.0	505.0 - 510.0	7.5	17.0	779 062 145	779 064 145
531.0	528.0 - 534.0	7.5	16.0	779 062 152	779 064 152
558.8	556.0 - 562.0	7.5	15.5	779 062 159	779 064 159
609.6	606.0 - 613.0	6.0	14.0	779 062 172	779 064 172
634.0	631.0 - 637.0	5.0	13.5	779 062 179	779 064 179
711.2	707.0 - 715.0	5.0	12.0	779 062 197	779 064 197
762.0	758.0 - 766.0	4.5	11.0	779 062 210	779 064 210
812.8	808.0 - 817.0	4.5	10.5	779 062 223	779 064 223
914.4	909.0 - 919.0	3.3	9.5	779 062 245	779 064 245
1016.0	1013.0 - 1019.0	3.3	8.0	779 062 271	779 064 271
1117.5	1114.0 - 1120.0	3.3	7.5	779 062 296	779 064 296
1219.2	1216.0 - 1222.0	3.3	7.0	779 062 319	779 064 319

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
429.0	141	35	210	240
442.0	141	35	225	255
457.2	141	35	240	270
508.0	141	35	250	280
531.0	141	35	255	285
558.8	141	35	260	290
609.6	141	35	275	305
634.0	141	35	285	315
711.2	141	35	300	330
762.0	141	35	305	335



PF 1 54 500 112

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]	
812.8	141	35	340	370	
914.4	141	35	355	385	
1016.0	141	35	360	390	
1117.5	141	35	390	420	
1219.2	141	35	440	470	



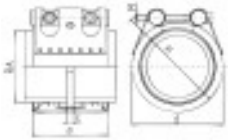
Flex U d326 up to d2032

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, 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

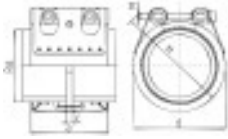
d [mm]	Range [mm]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
326.0	320.0 - 329.0	16.5	779 074 092	779 076 092
355.6	352.0 - 359.0	15.5	779 074 102	779 076 102
406.4	402.0 - 410.0	13.5	779 074 116	779 076 116
429.0	426.0 - 431.0	12.5	779 074 124	779 076 124
442.0	439.0 - 444.0	12.0	779 074 127	779 076 127
457.2	454.0 - 459.0	12.0	779 074 131	779 076 131
508.0	505.0 - 510.0	10.5	779 074 145	779 076 145
531.0	499.0 - 534.0	10.0	779 074 152	779 076 152
558.8	556.0 - 562.0	9.5	779 074 159	779 076 159
609.6	606.0 - 613.0	9.0	779 074 172	779 076 172
634.0	631.0 - 637.0	8.5	779 074 179	779 076 179
711.2	707.0 - 715.0	7.5	779 074 197	779 076 197
762.0	758.0 - 766.0	7.0	779 074 210	779 076 210
813.0	808.0 - 817.0	6.5	779 074 223	779 076 223
914.4	909.0 - 919.0	6.0	779 074 245	779 076 245
1016.0	1013.0 - 1019.0	5.0	779 074 271	779 076 271
1118.0	1114.0 - 1120.0	4.5	779 074 296	779 076 296
1220.0	1216.0 - 1222.0	4.0	779 074 319	779 076 319
1320.0	1314.0 - 1328.0	3.0	779 074 338	779 076 338
1422.0	1415.0 - 1430.0	3.0	779 074 339	779 076 339
1524.0	1516.0 - 1532.0	2.5	779 074 340	779 076 340
1625.6	1617.0 - 1634.0	2.5	779 074 341	779 076 341
1727.2	1718.0 - 1736.0	2.0	779 074 342	779 076 342
1828.8	1819.0 - 1838.0	2.0	779 074 343	779 076 343
1930.4	1920.0 - 1940.0	2.0	779 074 344	779 076 344
2032.0	2021.0 - 2042.0	1.5	779 074 345	779 076 345

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
326.0	211	65	365	405
355.6	211	65	395	435
406.4	211	65	445	485
429.0	211	65	465	505
442.0	211	65	480	520
457.2	211	65	495	535
508.0	211	65	545	585
531.0	211	65	570	610
558.8	211	65	595	635
609.6	211	65	645	685
634.0	211	65	670	710
711.2	211	65	750	790
762.0	211	65	800	840
813.0	211	65	850	890
914.4	211	65	950	990
1016.0	211	65	1055	1095
1118.0	211	65	1155	1195
1220.0	211	65	1255	1295
1320.0	211	65	1360	1400



PF 1 54 500 145

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
1422.0	211	65	1460	1500
1524.0	211	65	1560	1600
1625.6	211	65	1665	1705
1727.2	211	65	1765	1805
1828.8	211	65	1865	1905
1930.4	211	65	1970	2010
2032.0	211	65	2070	2110



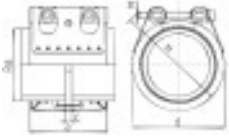
Grip E d26 up to d100

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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

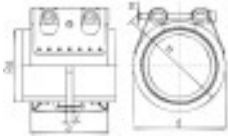
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.4 - 27.5	16.0	70.0	779 413 001	779 416 001	779 421 001
28.0	27.5 - 28.5	16.0	70.0	779 413 002	779 416 002	779 421 002
30.0	29.5 - 30.6	16.0	70.0	779 413 003	779 416 003	779 421 003
33.7	33.0 - 34.3	16.0	60.0	779 413 005	779 416 005	779 421 005
35.0	34.5 - 35.6	16.0	60.0	779 413 006	779 416 006	779 421 006
38.0	37.5 - 38.6	16.0	60.0	779 413 007	779 416 007	779 421 007
42.4	41.7 - 43.0	16.0	50.0	779 413 009	779 416 009	779 421 009
44.5	44.0 - 45.1	16.0	50.0	779 413 010	779 416 010	779 421 010
48.3	47.6 - 50.5	16.0	50.0	779 413 011	779 416 011	779 421 011
54.0	53.3 - 54.6	16.0	50.0	779 413 014	779 416 014	779 421 014
57.0	56.3 - 57.7	16.0	50.0	779 413 015	779 416 015	779 421 015
60.3	59.5 - 61.0	16.0	40.0	779 413 016	779 416 016	779 421 016
63.0	62.2 - 63.9	16.0	40.0	779 413 017	779 416 017	779 421 017
70.0	69.0 - 71.0	16.0	40.0	779 413 018	779 416 018	779 421 018
73.0	72.1 - 73.8	16.0	40.0	779 413 019	779 416 019	779 421 019
76.1	75.2 - 77.0	16.0	35.0	779 413 020	779 416 020	779 421 020
78.0	77.1 - 78.9	16.0	35.0	779 413 021	779 416 021	779 421 021
80.0	79.0 - 80.8	16.0	35.0	779 413 022	779 416 022	779 421 022
84.0	83.0 - 85.0	16.0	35.0	779 413 024	779 416 024	779 421 024
88.9	87.0 - 89.9	16.0	35.0	779 413 025	779 416 025	779 421 025
98.0	96.9 - 99.0	16.0	35.0	779 413 028	779 416 028	779 421 028

d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
26.9	26.4 - 27.5	16.0	70.0	779 424 001
28.0	27.5 - 28.5	16.0	70.0	779 424 002
30.0	29.5 - 30.6	16.0	70.0	779 424 003
33.7	33.0 - 34.3	16.0	60.0	779 424 005
35.0	34.5 - 35.6	16.0	60.0	779 424 006
38.0	37.5 - 38.6	16.0	60.0	779 424 007
42.4	41.7 - 43.0	16.0	50.0	779 424 009
44.5	44.0 - 45.1	16.0	50.0	779 424 010
48.3	47.6 - 50.5	16.0	50.0	779 424 011
54.0	53.3 - 54.6	16.0	50.0	779 424 014
57.0	56.3 - 57.7	16.0	50.0	779 424 015
60.3	59.5 - 61.0	16.0	40.0	779 424 016
63.0	62.2 - 63.9	16.0	40.0	779 424 017
70.0	69.0 - 71.0	16.0	40.0	779 424 018
73.0	72.1 - 73.8	16.0	40.0	779 424 019
76.1	75.2 - 77.0	16.0	35.0	779 424 020
78.0	77.1 - 78.9	16.0	35.0	779 424 021
80.0	79.0 - 80.8	16.0	35.0	779 424 022
84.0	83.0 - 85.0	16.0	35.0	779 424 024
88.9	87.0 - 89.9	16.0	35.0	779 424 025
98.0	96.9 - 99.0	16.0	35.0	779 424 028



d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
26.9	67	3	50	70
28.0	67	3	50	70
30.0	67	3	50	70
33.7	67	3	55	75
35.0	63	8	55	75
38.0	63	8	60	80
42.4	63	8	65	85
44.5	63	8	65	85
48.3	63	8	70	90
54.0	78	17	75	95
57.0	78	17	80	100
60.3	78	17	85	105
63.0	78	17	85	105
70.0	98	25	90	110
73.0	98	25	95	115
76.1	98	25	100	120
78.0	98	25	100	120
80.0	98	25	100	120
84.0	98	25	105	125
88.9	98	25	110	130
98.0	98	25	120	140

PF 1 54 507 122



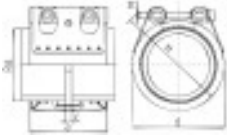
Grip E d101 up to d250

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 413 029	779 416 029	779 421 029
104.0	102.8 - 106.1	16.0	35.0	779 413 030	779 416 030	779 421 030
108.0	106.8 - 109.2	16.0	35.0	779 413 032	779 416 032	779 421 032
110.0	108.8 - 111.4	16.0	35.0	779 413 328	779 416 328	779 421 328
114.3	113.0 - 115.5	16.0	35.0	779 413 033	779 416 033	779 421 033
118.0	116.6 - 119.2	16.0	35.0	779 413 034	779 416 034	779 421 034
122.0	120.8 - 123.2	16.0	32.0	779 413 036	779 416 036	779 421 036
125.0	123.6 - 126.5	16.0	32.0	779 413 037	779 416 037	779 421 037
129.0	127.6 - 131.1	16.0	32.0	779 413 038	779 416 038	779 421 038
133.0	131.5 - 134.4	16.0	32.0	779 413 039	779 416 039	779 421 039
139.7	138.1 - 141.6	16.0	32.0	779 413 040	779 416 040	779 421 040
141.3	139.6 - 142.8	16.0	32.0	779 413 041	779 416 041	779 421 041
144.0	142.4 - 145.5	16.0	32.0	779 413 042	779 416 042	779 421 042
154.0	152.3 - 156.1	16.0	32.0	779 413 045	779 416 045	779 421 045
159.0	157.3 - 160.7	16.0	32.0	779 413 046	779 416 046	779 421 046
168.3	166.5 - 170.1	16.0	32.0	779 413 050	779 416 050	779 421 050
170.0	168.2 - 171.9	16.0	32.0	779 413 051	779 416 051	779 421 051
193.7	192.0 - 196.0	10.0	20.0	779 413 058	779 416 058	779 421 058
206.0	202.0 - 208.0	10.0	20.0	779 413 060	779 416 060	779 421 060
219.1	216.0 - 221.0	10.0	20.0	779 413 063	779 416 063	779 421 063
225.0	222.0 - 227.0	10.0	16.0	779 413 065	779 416 065	779 421 065
229.9	228.0 - 232.0	5.5	16.0	779 413 066	779 416 066	779 421 066
244.5	242.0 - 247.0	5.5	15.0	779 413 070	779 416 070	779 421 070

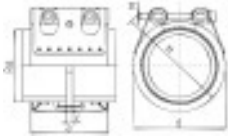
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 424 029
104.0	102.8 - 106.1	16.0	35.0	779 424 030
108.0	106.8 - 109.2	16.0	35.0	779 424 032
110.0	108.8 - 111.4	16.0	35.0	779 424 328
114.3	113.0 - 115.5	16.0	35.0	779 424 033
118.0	116.6 - 119.2	16.0	35.0	779 424 034
122.0	120.8 - 123.2	16.0	32.0	779 424 036
125.0	123.6 - 126.5	16.0	32.0	779 424 037
129.0	127.6 - 131.1	16.0	32.0	779 424 038
133.0	131.5 - 134.4	16.0	32.0	779 424 039
139.7	138.1 - 141.6	16.0	32.0	779 424 040
141.3	139.6 - 142.8	16.0	32.0	779 424 041
144.0	142.4 - 145.5	16.0	32.0	779 424 042
154.0	152.3 - 156.1	16.0	32.0	779 424 045
159.0	157.3 - 160.7	16.0	32.0	779 424 046
168.3	166.5 - 170.1	16.0	32.0	779 424 050
170.0	168.2 - 171.9	16.0	32.0	779 424 051
193.7	192.0 - 196.0	10.0	20.0	779 424 058



d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
206.0	202.0 - 208.0	10.0	20.0	779 424 060
219.1	216.0 - 221.0	10.0	20.0	779 424 063
225.0	222.0 - 227.0	10.0	16.0	779 424 065
229.9	228.0 - 232.0	5.5	16.0	779 424 066
244.5	242.0 - 247.0	5.5	15.0	779 424 070

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
101.6	98	25	125	145
104.0	98	25	125	145
108.0	98	25	130	150
110.0	98	25	130	150
114.3	98	25	135	155
118.0	98	25	140	160
122.0	115	35	145	165
125.0	115	35	145	165
129.0	115	35	155	185
133.0	115	35	160	190
139.7	115	35	165	195
141.3	115	35	170	200
144.0	115	35	170	200
154.0	115	35	180	210
159.0	115	35	185	215
168.3	115	35	195	225
170.0	115	35	195	225
193.7	141	35	225	255
206.0	141	35	240	270
219.1	141	35	250	280
225.0	140	35	255	285
229.9	140	35	260	290
244.5	140	35	275	305

PF 1 54 507 122



Grip E d251 up to d613

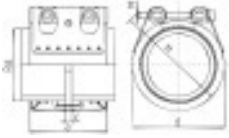
Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
254.0	250.0 - 256.0	5.5	14.0	779 413 073	779 416 073	779 421 073
267.0	264.0 - 269.0	5.5	13.5	779 413 076	779 416 076	779 421 076
273.0	270.0 - 275.0	5.5	13.0	779 413 078	779 416 078	779 421 078
306.0	302.0 - 308.0	5.5	10.5	779 413 085	779 416 085	779 421 085
323.9	320.0 - 327.0	3.0	9.5	779 413 091	779 416 091	779 421 091
326.0	322.0 - 329.0	3.0	9.5	779 413 092	779 416 092	779 421 092
355.6	352.0 - 359.0	2.7	8.5	779 413 102	779 416 102	779 421 102
406.4	402.0 - 410.0	2.5	7.0	779 413 116	779 416 116	779 421 116
429.0	426.0 - 431.0	2.5	6.5	779 413 124	779 416 124	779 421 124
442.0	439.0 - 444.0	2.5	6.5	779 413 127	779 416 127	779 421 127
457.2	454.0 - 459.0	2.5	6.0	779 413 131	779 416 131	779 421 131
508.0	505.0 - 510.0	2.0	4.0	779 413 145	779 416 145	779 421 145
531.0	528.0 - 534.0	1.5	4.0	779 413 152	779 416 152	779 421 152
558.8	556.0 - 562.0	1.5	3.5	779 413 159	779 416 159	779 421 159
609.6	606.0 - 613.0	1.0	2.0	779 413 172	779 416 172	779 421 172

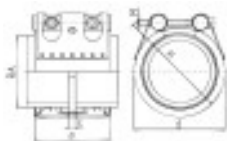
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
254.0	250.0 - 256.0	5.5	14.0	779 424 073
267.0	264.0 - 269.0	5.5	13.5	779 424 076
273.0	270.0 - 275.0	5.5	13.0	779 424 078
306.0	302.0 - 308.0	5.5	10.5	779 424 085
323.9	320.0 - 327.0	3.0	9.5	779 424 091
326.0	322.0 - 329.0	3.0	9.5	779 424 092
355.6	352.0 - 359.0	2.7	8.5	779 424 102
406.4	402.0 - 410.0	2.5	7.0	779 424 116
429.0	426.0 - 431.0	2.5	6.5	779 424 124
442.0	439.0 - 444.0	2.5	6.5	779 424 127
457.2	454.0 - 459.0	2.5	6.0	779 424 131
508.0	505.0 - 510.0	2.0	4.0	779 424 145
531.0	528.0 - 534.0	1.5	4.0	779 424 152
558.8	556.0 - 562.0	1.5	3.5	779 424 159
609.6	606.0 - 613.0	1.0	2.0	779 424 172

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
254.0	140	35	285	315
267.0	140	35	300	330
273.0	140	35	305	335
306.0	140	35	340	370
323.9	140	35	355	385
326.0	140	35	360	390
355.6	140	35	390	420
406.4	140	35	440	470
429.0	140	35	460	490
442.0	140	35	475	505



PF 1 54 507 122

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]	
457.2	140	35	490	520	
508.0	140	35	540	570	
531.0	140	35	565	595	
558.8	140	35	590	620	
609.6	140	35	640	670	



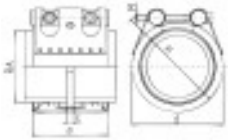
Grip d26 up to d100

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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

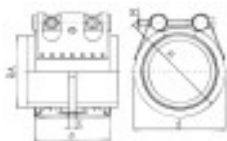
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.5 - 27.5	16.0	70.0	779 401 001	779 404 001	779 409 001
28.0	27.5 - 28.5	16.0	70.0	779 401 002	779 404 002	779 409 002
30.0	29.5 - 30.6	16.0	70.0	779 401 003	779 404 003	779 409 003
33.7	33.0 - 34.3	16.0	60.0	779 401 005	779 404 005	779 409 005
35.0	34.5 - 35.6	16.0	60.0	779 401 006	779 404 006	779 409 006
38.0	37.5 - 38.6	16.0	60.0	779 401 007	779 404 007	779 409 007
42.4	41.7 - 43.0	16.0	50.0	779 401 009	779 404 009	779 409 009
44.5	44.0 - 45.1	16.0	50.0	779 401 010	779 404 010	779 409 010
48.3	47.6 - 50.5	16.0	50.0	779 401 011	779 404 011	779 409 011
54.0	53.3 - 54.6	16.0	50.0	779 401 014	779 404 014	779 409 014
57.0	56.3 - 57.7	16.0	50.0	779 401 015	779 404 015	779 409 015
60.3	59.5 - 61.0	16.0	40.0	779 401 016	779 404 016	779 409 016
63.0	62.2 - 63.9	16.0	40.0	779 401 017	779 404 017	779 409 017
70.0	69.0 - 71.0	16.0	40.0	779 401 018	779 404 018	779 409 018
73.0	72.1 - 73.8	16.0	40.0	779 401 019	779 404 019	779 409 019
76.1	75.2 - 77.0	16.0	35.0	779 401 020	779 404 020	779 409 020
78.0	77.1 - 78.9	16.0	35.0	779 401 021	779 404 021	779 409 021
80.0	79.0 - 80.8	16.0	35.0	779 401 022	779 404 022	779 409 022
84.0	83.0 - 85.0	16.0	35.0	779 401 024	779 404 024	779 409 024
88.9	87.0 - 89.9	16.0	35.0	779 401 025	779 404 025	779 409 025
98.0	96.9 - 99.0	16.0	35.0	779 401 028	779 404 028	779 409 028

d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
26.9	26.5 - 27.5	16.0	70.0	779 412 001
28.0	27.5 - 28.5	16.0	70.0	779 412 002
30.0	29.5 - 30.6	16.0	70.0	779 412 003
33.7	33.0 - 34.3	16.0	60.0	779 412 005
35.0	34.5 - 35.6	16.0	60.0	779 412 006
38.0	37.5 - 38.6	16.0	60.0	779 412 007
42.4	41.7 - 43.0	16.0	50.0	779 412 009
44.5	44.0 - 45.1	16.0	50.0	779 412 010
48.3	47.6 - 50.5	16.0	50.0	779 412 011
54.0	53.3 - 54.6	16.0	50.0	779 412 014
57.0	56.3 - 57.7	16.0	50.0	779 412 015
60.3	59.5 - 61.0	16.0	40.0	779 412 016
63.0	62.2 - 63.9	16.0	40.0	779 412 017
70.0	69.0 - 71.0	16.0	40.0	779 412 018
73.0	72.1 - 73.8	16.0	40.0	779 412 019
76.1	75.2 - 77.0	16.0	35.0	779 412 020
78.0	77.1 - 78.9	16.0	35.0	779 412 021
80.0	79.0 - 80.8	16.0	35.0	779 412 022
84.0	83.0 - 85.0	16.0	35.0	779 412 024
88.9	87.0 - 89.9	16.0	35.0	779 412 025
98.0	96.9 - 99.0	16.0	35.0	779 412 028



d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
26.9	67	3	50	70
28.0	67	3	50	70
30.0	67	3	50	70
33.7	67	3	55	75
35.0	63	8	55	75
38.0	63	8	60	80
42.4	63	8	65	85
44.5	63	8	65	85
48.3	63	8	70	90
54.0	78	17	75	95
57.0	78	17	80	100
60.3	78	17	85	105
63.0				
70.0				
73.0	98	25	95	115
76.1	98	25	100	120
78.0	98	25	100	120
80.0				
84.0	98	25	105	125
88.9	98	25	110	130
98.0	98	25	120	140

PF 1 54 507 115



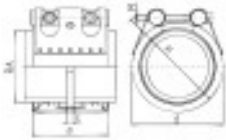
Grip d101 up to d250

Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 401 029	779 404 029	779 409 029
104.0	102.8 - 106.1	16.0	35.0	779 401 030	779 404 030	779 409 030
108.0	106.8 - 109.2	13.0	35.0	779 401 032	779 404 032	779 409 032
110.0	108.8 - 111.4	16.0	35.0	779 401 328	779 404 328	779 409 328
114.3	113.0 - 115.5	16.0	35.0	779 401 033	779 404 033	779 409 033
118.0	116.6 - 119.2	16.0	35.0	779 401 034	779 404 034	779 409 034
122.0	120.8 - 123.2	16.0	32.0	779 401 036	779 404 036	779 409 036
125.0	123.6 - 126.5	16.0	32.0	779 401 037	779 404 037	779 409 037
129.0	127.6 - 131.1	16.0	32.0	779 401 038	779 404 038	779 409 038
133.0	131.5 - 134.4	16.0	32.0	779 401 039	779 404 039	779 409 039
139.7	138.1 - 141.6	16.0	32.0	779 401 040	779 404 040	779 409 040
141.3	139.6 - 142.8	16.0	32.0	779 401 041	779 404 041	779 409 041
144.0	142.4 - 145.5	16.0	32.0	779 401 042	779 404 042	779 409 042
154.0	152.3 - 156.1	16.0	32.0	779 401 045	779 404 045	779 409 045
159.0	157.3 - 160.7	16.0	32.0	779 401 046	779 404 046	779 409 046
168.3	166.5 - 170.1	16.0	32.0	779 401 050	779 404 050	779 409 050
170.0	168.2 - 171.9	16.0	32.0	779 401 051	779 404 051	779 409 051
193.7	192.0 - 196.0	16.0	32.0	779 401 058	779 404 058	779 409 058
206.0	202.0 - 208.0	16.0	32.0	779 401 060	779 404 060	779 409 060
219.1	216.0 - 221.0	16.0	32.0	779 401 063	779 404 063	779 409 063
225.0	222.0 - 228.0	13.0	26.5	779 401 065	779 404 065	779 409 065
229.9	227.0 - 232.0	13.0	26.0	779 401 066	779 404 066	779 409 066
244.5	242.0 - 247.0	12.0	24.5	779 401 070	779 404 070	779 409 070

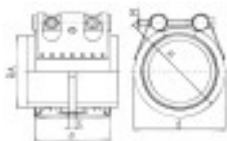
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
101.6	100.4 - 102.8	16.0	35.0	779 412 029
104.0	102.8 - 106.1	16.0	35.0	779 412 030
108.0	106.8 - 109.2	13.0	35.0	779 412 032
110.0	108.8 - 111.4	16.0	35.0	779 412 328
114.3	113.0 - 115.5	16.0	35.0	779 412 033
118.0	116.6 - 119.2	16.0	35.0	779 412 034
122.0	120.8 - 123.2	16.0	32.0	779 412 036
125.0	123.6 - 126.5	16.0	32.0	779 412 037
129.0	127.6 - 131.1	16.0	32.0	779 412 038
133.0	131.5 - 134.4	16.0	32.0	779 412 039
139.7	138.1 - 141.6	16.0	32.0	779 412 040
141.3	139.6 - 142.8	16.0	32.0	779 412 041
144.0	142.4 - 145.5	16.0	32.0	779 412 042
154.0	152.3 - 156.1	16.0	32.0	779 412 045
159.0	157.3 - 160.7	16.0	32.0	779 412 046
168.3	166.5 - 170.1	16.0	32.0	779 412 050
170.0	168.2 - 171.9	16.0	32.0	779 412 051
193.7	192.0 - 196.0	16.0	32.0	779 412 058



d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
206.0	202.0 - 208.0	16.0	32.0	779 412 060
219.1	216.0 - 221.0	16.0	32.0	779 412 063
225.0	222.0 - 228.0	13.0	26.5	779 412 065
229.9	227.0 - 232.0	13.0	26.0	779 412 066
244.5	242.0 - 247.0	12.0	24.5	779 412 070

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
101.6	98	25	125	145
104.0	98	25	125	145
108.0	98	25	130	150
110.0	98	25	130	150
114.3	98	25	135	155
118.0	98	25	140	160
122.0				
125.0				
129.0	115	35	155	185
133.0	115	35	160	190
139.7	115	35	165	195
141.3	115	35	170	200
144.0	115	35	170	200
154.0	115	35	180	210
159.0	115	35	185	215
168.3	115	35	195	225
170.0	115	35	195	225
193.7				
206.0	142	35	240	270
219.1	142	35	250	280
225.0	142	35	255	285
229.9	142	35	260	290
244.5	142	35	275	305

PF 1 54 507 115



Grip d251 up to d711

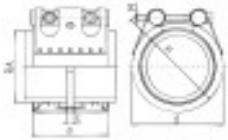
Model:

- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, 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 metal pipes AISI 301, 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
252.5	250.0 - 256.0	11.5	22.5	779 401 073	779 404 073	779 409 073
267.0	264.0 - 269.0	11.0	22.5	779 401 076	779 404 076	779 409 076
273.0	270.0 - 275.0	11.0	22.0	779 401 078	779 404 078	779 409 078
306.0	302.0 - 308.0	9.5	19.5	779 401 085	779 404 085	779 409 085
323.9	320.0 - 327.0	6.5	13.0	779 401 091	779 404 091	779 409 091
326.0	322.0 - 329.0	6.5	13.0	779 401 092	779 404 092	779 409 092
355.6	352.0 - 359.0	6.0	12.0	779 401 102	779 404 102	779 409 102
406.4	402.0 - 410.0	4.5	9.0	779 401 116	779 404 116	779 409 116
429.0	426.0 - 431.0	4.0	8.5	779 401 124	779 404 124	779 409 124
442.0	439.0 - 444.0	4.0	8.0	779 401 127	779 404 127	779 409 127
457.2	454.0 - 459.0	4.0	8.0	779 401 131	779 404 131	779 409 131
508.0	505.0 - 510.0	2.5	5.0	779 401 145	779 404 145	779 409 145
531.0	528.0 - 534.0	2.5	5.0	779 401 152	779 404 152	779 409 152
558.8	556.0 - 562.0	2.0	4.5	779 401 159	779 404 159	779 409 159
609.6	606.0 - 613.0	1.5	3.0	779 401 172	779 404 172	779 409 172
634.0	631.0 - 637.0	1.5	3.0	779 401 179	779 404 179	779 409 179
711.2	707.0 - 715.0	1.5	2.5	779 401 197	779 404 197	779 409 197

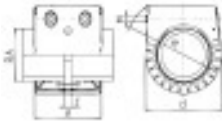
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
252.5	250.0 - 256.0	11.5	22.5	779 412 073
267.0	264.0 - 269.0	11.0	22.5	779 412 076
273.0	270.0 - 275.0	11.0	22.0	779 412 078
306.0	302.0 - 308.0	9.5	19.5	779 412 085
323.9	320.0 - 327.0	6.5	13.0	779 412 091
326.0	322.0 - 329.0	6.5	13.0	779 412 092
355.6	352.0 - 359.0	6.0	12.0	779 412 102
406.4	402.0 - 410.0	4.5	9.0	779 412 116
429.0	426.0 - 431.0	4.0	8.5	779 412 124
442.0	439.0 - 444.0	4.0	8.0	779 412 127
457.2	454.0 - 459.0	4.0	8.0	779 412 131
508.0	505.0 - 510.0	2.5	5.0	779 412 145
531.0	528.0 - 534.0	2.5	5.0	779 412 152
558.8	556.0 - 562.0	2.0	4.5	779 412 159
609.6	606.0 - 613.0	1.5	3.0	779 412 172
634.0	631.0 - 637.0	1.5	3.0	779 412 179
711.2	707.0 - 715.0	1.5	2.5	779 412 197

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
252.5	142	35	285	315
267.0	142	35	300	330
273.0	142	35	305	335
306.0	142	35	340	370
323.9	142	35	355	385
326.0	142	35	360	390



d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
355.6	142	35	390	420
406.4	142	35	440	470
429.0	142	35	460	490
442.0	142	35	475	505
457.2	142	35	490	520
508.0	142	35	540	570
531.0	142	35	565	595
558.8	142	35	590	620
609.6	142	35	640	670
634.0	142	35	665	695
711.2	142	35	745	775

PF 1 54 507 115



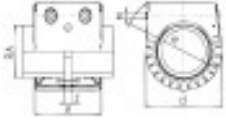
Grip FP E

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, 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

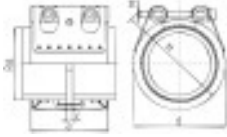
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
35.0	34.5 - 35.6	16.0	60.0	779 570 006	779 573 006
38.0	37.5 - 38.6	16.0	60.0	779 570 007	779 573 007
42.4	41.7 - 43.0	16.0	50.0	779 570 009	779 573 009
44.5	44.0 - 45.1	16.0	50.0	779 570 010	779 573 010
48.3	47.6 - 50.5	16.0	50.0	779 570 011	779 573 011
54.0	53.3 - 54.6	16.0	50.0	779 570 014	779 573 014
57.0	56.3 - 57.7	16.0	50.0	779 570 015	779 573 015
60.3	59.5 - 61.0	16.0	40.0	779 570 016	779 573 016
63.0	62.2 - 63.9	16.0	40.0	779 570 017	779 573 017
73.0	72.1 - 73.8	16.0	40.0	779 570 019	779 573 019
76.1	75.2 - 77.0	16.0	35.0	779 570 020	779 573 020
84.0	83.0 - 85.0	16.0	35.0	779 570 024	779 573 024
88.9	87.0 - 89.9	16.0	35.0	779 570 025	779 573 025
98.0	96.6 - 99.0	16.0	35.0	779 570 028	779 573 028
101.6	100.4 - 102.8	16.0	35.0	779 570 029	779 573 029
104.0	102.8 - 106.1	16.0	35.0	779 570 030	779 573 030
108.0	106.8 - 109.2	16.0	35.0	779 570 032	779 573 032
114.3	113.0 - 115.5	16.0	35.0	779 570 033	779 573 033
125.0	123.6 - 126.5	16.0	32.0	779 570 037	779 573 037
129.0	127.6 - 131.1	16.0	32.0	779 570 038	779 573 038
133.0	131.5 - 134.4	16.0	32.0	779 570 039	779 573 039
139.7	138.1 - 141.6	16.0	32.0	779 570 040	779 573 040
141.3	139.6 - 142.8	16.0	32.0	779 570 041	779 573 041
154.0	152.3 - 156.1	16.0	32.0	779 570 045	779 573 045
159.0	157.3 - 160.7	16.0	32.0	779 570 046	779 573 046
168.3	166.5 - 170.1	16.0	32.0	779 570 050	779 573 050

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
35.0	75	8	65	115
38.0	75	8	70	120
42.4	75	8	75	125
44.5	75	8	75	125
48.3	75	8	80	130
54.0	90	17	85	135
57.0	90	17	90	140
60.3	90	17	95	145
63.0	90	17	95	145
73.0	110	25	105	155
76.1	110	25	110	160
84.0	110	25	115	165
88.9	110	25	120	170
98.0	110	25	130	180
101.6	110	25	135	185
104.0	110	25	135	185
108.0	110	25	140	190
114.3	110	25	145	195
125.0	125	35	155	195
129.0	125	35	165	215
133.0	125	35	170	220



PF 1 54 507 085

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]	
139.7	125	35	175	225	
141.3	125	35	180	230	
154.0	125	35	190	240	
159.0	125	35	195	245	
168.3	125	35	205	255	



Combi Grip E

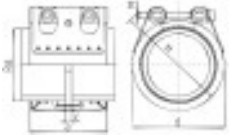
Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, 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 plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code
40.0	39.0 - 40.5	38.0	37.5 - 38.6	16.0	16.0	779 537 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 537 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 537 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 537 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 537 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 537 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 537 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 537 029
110.0	108.0 - 111.0	108.0	107.0 - 109.0	16.0	16.0	779 537 032
110.0	108.0 - 111.0	114.3	113.0 - 116.0	16.0	16.0	779 537 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 537 033
125.0	123.0 - 126.0	129.0	127.0 - 131.0	16.0	16.0	779 537 038
140.0	138.0 - 142.0	139.7	138.0 - 141.0	16.0	16.0	779 537 040
141.6	138.1 - 141.6	141.6	139.6 - 142.8	16.0	16.0	779 537 041
160.0	158.0 - 162.0	159.0	158.0 - 161.0	16.0	16.0	779 537 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 537 050

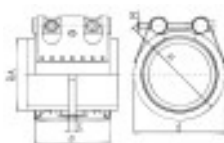
d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
40.0	39.0 - 40.5	38.0	37.5 - 38.6	16.0	16.0	779 540 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 540 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 540 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 540 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 540 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 540 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 540 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 540 029
110.0	108.0 - 111.0	108.0	107.0 - 109.0	16.0	16.0	779 540 032
110.0	108.0 - 111.0	114.3	113.0 - 116.0	16.0	16.0	779 540 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 540 033
125.0	123.0 - 126.0	129.0	127.0 - 131.0	16.0	16.0	779 540 038
140.0	138.0 - 142.0	139.7	138.0 - 141.0	16.0	16.0	779 540 040
141.6	138.1 - 141.6	141.6	139.6 - 142.8	16.0	16.0	779 540 041
160.0	158.0 - 162.0	159.0	158.0 - 161.0	16.0	16.0	779 540 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 540 050

d [mm]	Range plastic [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	39.0 - 40.5	62	8	60	80
40.0	39.0 - 40.5	62	8	65	85
50.0	49.0 - 50.5	62	8	70	90
63.0	62.0 - 63.5	78	17	85	105
73.0	72.0 - 74.0	98	25	95	115
75.0	74.0 - 76.0	98	25	100	120
90.0	89.0 - 91.0	98	25	110	130
101.6	100.4 - 102.8	98	25	125	145
110.0	108.0 - 111.0	98	25	130	150
110.0	108.0 - 111.0	98	25	135	155



PF 1 54 507 145

d [mm]	Range plastic [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
114.3	113.0 - 115.5	98	25	135	155
125.0	123.0 - 126.0	115	35	150	170
140.0	138.0 - 142.0	115	35	160	180
141.6	138.1 - 141.6	115	25	165	185
160.0	158.0 - 162.0	115	35	180	210
168.3	166.5 - 170.1	115	35	190	210



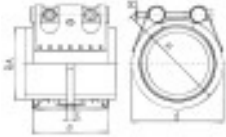
Combi Grip

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 metal pipes AISI 301, 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 plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W2 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	16.0	779 513 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 513 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 513 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 513 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 513 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 513 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 513 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 513 029
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	16.0	779 513 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	16.0	779 513 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 513 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	16.0	779 513 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	16.0	779 513 040
141.3	138.1 - 141.6	141.3	138.1 - 141.6	16.0	16.0	779 513 041
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	16.0	779 513 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 513 050
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	16.0	779 513 329
219.1	217.0 - 222.0	219.1	216.0 - 221.0	16.0	16.0	779 513 063
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	10.0	779 513 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	10.0	779 513 073
273.1	271.0 - 276.0	273.1	270.0 - 275.0	10.0	10.0	779 513 078
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	10.0	779 513 079
323.9	320.0 - 327.0	323.9	320.0 - 327.0	6.0	6.0	779 513 091
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	6.0	779 513 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	6.0	779 513 116

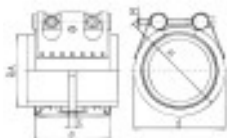
d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W2 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	16.0	779 516 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 516 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 516 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 516 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 516 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 516 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 516 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 516 029
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	16.0	779 516 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	16.0	779 516 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 516 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	16.0	779 516 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	16.0	779 516 040
141.3	138.1 - 141.6	141.3	138.1 - 141.6	16.0	16.0	779 516 041
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	16.0	779 516 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 516 050
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	16.0	779 516 329
219.1	217.0 - 222.0	219.1	216.0 - 221.0	16.0	16.0	779 516 063



d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W2 Code
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	10.0	779 516 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	10.0	779 516 073
273.1	271.0 - 276.0	273.1	270.0 - 275.0	10.0	10.0	779 516 078
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	10.0	779 516 079
323.9	320.0 - 327.0	323.9	320.0 - 327.0	6.0	6.0	779 516 091
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	6.0	779 516 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	6.0	779 516 116

d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	NBR W5 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	16.0	779 522 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 522 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 522 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 522 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 522 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 522 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 522 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 522 029
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	16.0	779 522 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	16.0	779 522 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 522 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	16.0	779 522 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	16.0	779 522 040
141.3	138.1 - 141.6	141.3	138.1 - 141.6	16.0	16.0	779 522 041
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	16.0	779 522 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 522 050
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	16.0	779 522 329
219.1	217.0 - 222.0	219.1	216.0 - 221.0	16.0	16.0	779 522 063
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	10.0	779 522 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	10.0	779 522 073
273.1	271.0 - 276.0	273.1	270.0 - 275.0	10.0	10.0	779 522 078
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	10.0	779 522 079
323.9	320.0 - 327.0	323.9	320.0 - 327.0	6.0	6.0	779 522 091
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	6.0	779 522 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	6.0	779 522 116

d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	16.0	779 524 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	16.0	779 524 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	16.0	779 524 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	16.0	779 524 016
73.0	72.0 - 74.0	73.0	72.1 - 73.8	16.0	16.0	779 524 019
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	16.0	779 524 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	16.0	779 524 025
101.6	100.4 - 102.8	101.6	100.4 - 102.8	16.0	16.0	779 524 029
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	16.0	779 524 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	16.0	779 524 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	16.0	779 524 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	16.0	779 524 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	16.0	779 524 040
141.3	138.1 - 141.6	141.3	138.1 - 141.6	16.0	16.0	779 524 041
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	16.0	779 524 046
168.3	166.5 - 170.1	168.3	166.5 - 170.1	16.0	16.0	779 524 050
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	16.0	779 524 329
219.1	217.0 - 222.0	219.1	216.0 - 221.0	16.0	16.0	779 524 063
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	10.0	779 524 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	10.0	779 524 073



d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
273.1	271.0 - 276.0	273.1	270.0 - 275.0	10.0	10.0	779 524 078
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	10.0	779 524 079
323.9	320.0 - 327.0	323.9	320.0 - 327.0	6.0	6.0	779 524 091
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	6.0	779 524 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	6.0	779 524 116

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	62	8	60	80
40.0	62	8	60	80
50.0	62	8	70	90
63.0	77	17	85	105
73.0	98	25	95	115
75.0	98	25	95	115
90.0	98	25	110	130
101.6	98	25	125	145
110.0	98	25	130	150
110.0	98	25	135	155
114.3	98	25	135	155
125.0	115	25	150	170
140.0	115	25	160	180
141.3	115	35	165	185
160.0	115	35	180	200
168.3	115	35	190	210
200.0	142	35	235	265
219.1	142	35	250	280
225.0	142	35	255	285
250.0	142	35	285	315
273.1	142	35	305	335
280.0	142	35	310	340
323.9	142	35	355	385
355.0	142	35	390	420
400.0	142	35	440	470

PF 1 54 507 132



Plast Grip E

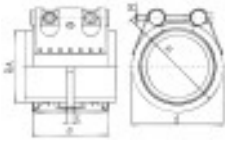
Model:

- 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 $-30^{\circ}\text{C} - 125^{\circ}\text{C}$ 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]	NBR W5 Code	EPDM W5 Code
40.0	39.0 - 40.5	16.0	16.0	779 529 008	779 532 008
42.4	41.7 - 43.0	16.0	16.0	779 529 009	779 532 009
48.3	47.6 - 49.5	16.0	16.0	779 529 011	779 532 011
50.0	49.0 - 50.5	16.0	16.0	779 529 012	779 532 012
60.3	59.5 - 61.0	16.0	16.0	779 529 016	779 532 016
63.0	62.0 - 63.5	16.0	16.0	779 529 017	779 532 017
73.0	72.0 - 74.0	16.0	16.0	779 529 019	779 532 019
75.0	74.0 - 76.0	16.0	16.0	779 529 020	779 532 020
90.0	89.0 - 91.0	16.0	16.0	779 529 025	779 532 025
101.6	100.4 - 102.8	16.0	16.0	779 529 029	779 532 029
110.0	109.0 - 111.0	16.0	16.0	779 529 032	779 532 032
114.3	113.0 - 115.5	16.0	16.0	779 529 033	779 532 033
125.0	124.0 - 126.0	16.0	16.0	779 529 037	779 532 037
140.0	139.0 - 141.0	16.0	16.0	779 529 040	779 532 040
141.6	138.1 - 141.6	16.0	16.0	779 529 041	779 532 041
160.0	159.0 - 162.0	16.0	16.0	779 529 046	779 532 046
168.3	166.5 - 170.1	16.0	16.0	779 529 050	779 532 050

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	62	8	60	80
42.4	62	8	65	85
48.3	62	8	70	90
50.0	62	8	70	90
60.3	78	17	85	105
63.0	78	17	85	105
73.0	98	25	95	115
75.0	98	25	100	120
90.0	98	25	110	130
101.6	98	25	125	145
110.0	98	25	130	150
114.3	98	25	135	155
125.0	115	35	150	170
140.0	115	35	160	180
141.6	115	25	165	185
160.0	115	35	180	200
168.3	115	35	190	210

PF 1 54 507 165



Plast Grip d40 up to d142

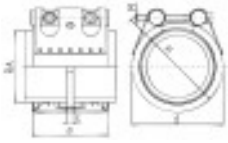
Model:

- 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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
40.0	39.0 - 40.5	16.0	16.0	779 501 008	779 504 008	7795090008
42.4	41.7 - 43.0	16.0	16.0	779 501 009	779 504 009	779 509 009
48.3	47.6 - 49.5	16.0	16.0	779 501 011	779 504 011	779 509 011
50.0	49.0 - 50.5	16.0	16.0	779 501 012	779 504 012	779 509 012
60.3	59.5 - 61.0	16.0	16.0	779 501 016	779 504 016	779 509 016
63.0	62.0 - 63.5	16.0	16.0	779 501 017	779 504 017	779 509 017
73.0	72.0 - 74.0	16.0	16.0	779 501 019	779 504 019	779 509 019
75.0	74.0 - 76.0	16.0	16.0	779 501 020	779 504 020	779 509 020
90.0	89.0 - 91.0	16.0	16.0	779 501 025	779 504 025	779 509 025
101.6	100.4 - 102.8	16.0	16.0	779 501 029	779 504 029	779 509 029
110.0	109.0 - 111.0	16.0	16.0	779 501 032	779 504 032	779 509 032
114.3	113.0 - 115.5	16.0	16.0	779 501 033	779 504 033	779 509 033
125.0	124.0 - 126.0	16.0	16.0	779 501 037	779 504 037	779 509 037
140.0	139.0 - 141.0	16.0	16.0	779 501 040	779 504 040	779 509 040
141.6	138.1 - 141.6	16.0	16.0	779 501 041	779 504 041	779 509 041

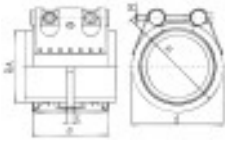
d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
40.0	39.0 - 40.5	16.0	16.0	779 512 008
42.4	41.7 - 43.0	16.0	16.0	779 512 009
48.3	47.6 - 49.5	16.0	16.0	779 512 011
50.0	49.0 - 50.5	16.0	16.0	779 512 012
60.3	59.5 - 61.0	16.0	16.0	779 512 016
63.0	62.0 - 63.5	16.0	16.0	779 512 017
73.0	72.0 - 74.0	16.0	16.0	779 512 019
75.0	74.0 - 76.0	16.0	16.0	779 512 020
90.0	89.0 - 91.0	16.0	16.0	779 512 025
101.6	100.4 - 102.8	16.0	16.0	779 512 029
110.0	109.0 - 111.0	16.0	16.0	779 512 032
114.3	113.0 - 115.5	16.0	16.0	779 512 033
125.0	124.0 - 126.0	16.0	16.0	779 512 037
140.0	139.0 - 141.0	16.0	16.0	779 512 040
141.6	138.1 - 141.6	16.0	16.0	779 512 041

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	62	8	60	80
42.4	62	8	65	85
48.3	62	8	70	90
50.0	62	8	70	90
60.3	78	17	85	105
63.0	78	17	85	105
73.0	98	25	95	115
75.0	98	25	100	120
90.0	98	25	110	130
101.6	98	25	125	145



PF 1 54 507 152

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
110.0	98	25	130	150
114.3	98	25	135	155
125.0	115	35	150	170
140.0	115	35	160	180
141.6	115	35	165	185



Plast Grip d160 up to d407

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]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
160.0	159.0 - 162.0	16.0	16.0	779 501 046	779 504 046	779 509 046
168.3	166.5 - 170.1	16.0	16.0	779 501 050	779 504 050	779 509 050
180.0	178.0 - 182.0	16.0	16.0	779 501 054	779 504 054	779 509 054
200.0	198.0 - 202.0	16.0	16.0	779 501 059	779 504 059	779 509 059
219.1	217.0 - 222.0	16.0	16.0	779 501 063	779 504 063	779 509 063
225.0	222.0 - 227.0	10.0	10.0	779 501 065	779 504 065	779 509 065
250.0	247.0 - 253.0	10.0	10.0	779 501 071	779 504 071	779 509 071
273.1	271.0 - 276.0	10.0	10.0	779 501 078	779 504 078	779 509 078
280.0	277.0 - 283.0	10.0	10.0	779 501 079	779 504 079	779 509 079
315.0	311.0 - 318.0	10.0	10.0	779 501 088	779 504 088	779 509 088
323.9	320.0 - 327.0	6.0	6.0	779 501 091	779 504 091	779 509 091
355.0	352.0 - 359.0	6.0	6.0	779 501 102	779 504 102	779 509 102
400.0	396.0 - 404.0	6.0	6.0	779 501 114	779 504 114	779 509 114
406.4	402.0 - 410.0	6.0	6.0	779 501 116	779 504 116	779 509 116

d [mm]	Range [mm]	Nominal pressure [bar]	Operating pressure P max. [bar]	EPDM W5 Code
160.0	159.0 - 162.0	16.0	16.0	779 512 046
168.3	166.5 - 170.1	16.0	16.0	779 512 050
180.0	178.0 - 182.0	16.0	16.0	779 512 054
200.0	198.0 - 202.0	16.0	16.0	779 512 059
219.1	217.0 - 222.0	16.0	16.0	779 512 063
225.0	222.0 - 227.0	10.0	10.0	779 512 065
250.0	247.0 - 253.0	10.0	10.0	779 512 071
273.1	271.0 - 276.0	10.0	10.0	779 512 078
280.0	277.0 - 283.0	10.0	10.0	779 512 079
315.0	311.0 - 318.0	10.0	10.0	779 512 088
323.9	320.0 - 327.0	6.0	6.0	779 512 091
355.0	352.0 - 359.0	6.0	6.0	779 512 102
400.0	396.0 - 404.0	6.0	6.0	779 512 114
406.4	402.0 - 410.0	6.0	6.0	779 512 116

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
160.0	115	35	180	200
168.3	115	35	190	210
180.0	142	35	210	240
200.0	142	35	230	260
219.1	142	35	250	280
225.0	142	35	255	285
250.0	142	35	280	310
273.1	142	35	305	335
280.0	142	35	310	340
315.0	142	35	345	375
323.9	142	35	355	385
355.0	142	35	385	415
400.0	142	35	430	460
406.4	142	35	440	470



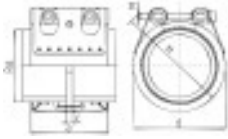
Rep E d35 up to d110

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, 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]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	a [mm]	C max. [mm]	d [mm]	H [mm]
35.0	34.5 - 35.6	60.0	779 309 006	779 312 006	63	8	55	75
38.0	37.5 - 38.6	60.0	779 309 007	779 312 007	63	8	60	80
42.4	41.7 - 43.0	50.0	779 309 009	779 312 009	63	8	65	85
44.5	44.0 - 45.1	50.0	779 309 010	779 312 010	63	8	65	85
48.3	47.6 - 50.0	50.0	779 309 011	779 312 011	63	8	70	90
54.0	53.3 - 54.6	50.0	779 309 014	779 312 014	78	17	75	95
57.0	56.3 - 57.7	50.0	779 309 015	779 312 015	78	17	80	100
60.3	59.5 - 61.0	40.0	779 309 016	779 312 016	78	17	85	100
63.0	62.2 - 63.9	40.0	779 309 017	779 312 017	78	17	85	105
70.0	69.0 - 71.0	40.0	779 309 018	779 312 018	98	25	90	110
73.0	72.1 - 73.8	40.0	779 309 019	779 312 019	98	25	95	115
76.1	75.2 - 77.0	35.0	779 309 020	779 312 020	98	25	100	120
78.0	77.1 - 78.9	35.0	779 309 021	779 312 021	98	25	100	120
80.0	79.0 - 80.8	35.0	779 309 022	779 312 022	98	25	100	120
84.0	83.0 - 85.0	35.0	779 309 024	779 312 024	98	25	105	125
88.9	87.0 - 89.9	35.0	779 309 025	779 312 025	98	25	110	130
98.0	96.9 - 99.0	35.0	779 309 028	779 312 028	98	25	120	145
101.6	100.4 - 102.8	35.0	779 309 029	779 312 029	98	25	125	145
104.0	102.8 - 106.1	35.0	779 309 030	779 312 030	98	25	125	145
108.0	106.8 - 109.2	35.0	779 309 032	779 312 032	98	25	130	150
110.0	108.8 - 111.4	35.0	779 309 328	779 312 328	98	25	130	150

PF 1 54 505 115



Rep E d114 up to d245

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, 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]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	a [mm]	C max. [mm]	d [mm]	H [mm]
114.3	113.0 - 115.5	35.0	779 309 033	779 312 033	98	25	135	155
118.0	116.6 - 119.2	35.0	779 309 034	779 312 034	98	25	140	160
122.0	120.8 - 123.2	32.0	779 309 036	779 312 036	113	35	145	165
125.0	123.6 - 126.5	32.0	779 309 037	779 312 037	113	35	145	165
129.0	127.6 - 131.1	32.0	779 309 038	779 312 038	113	35	155	185
133.0	131.5 - 134.4	32.0	779 309 039	779 312 039	113	35	160	190
139.7	138.1 - 141.6	32.0	779 309 040	779 312 040	113	35	165	195
141.3	139.6 - 142.8	32.0	779 309 041	779 312 041	113	35	170	200
144.0	142.4 - 145.5	32.0	779 309 042	779 312 042	113	35	170	200
154.0	152.3 - 156.1	32.0	779 309 045	779 312 045	113	35	180	210
159.0	157.3 - 160.7	32.0	779 309 046	779 312 046	113	35	185	215
168.3	166.5 - 170.1	32.0	779 309 050	779 312 050	113	35	195	225
170.0	168.2 - 171.9	32.0	779 309 051	779 312 051	113	35	195	225
180.0	178.0 - 182.0	30.0	779 309 054	779 312 054	139	35	210	240
193.7	192.0 - 196.0	28.0	779 309 058	779 312 058	139	35	225	255
206.0	202.0 - 208.0	26.5	779 309 060	779 312 060	139	35	240	270
219.1	216.0 - 221.0	23.0	779 309 063	779 312 063	139	35	250	280
225.0	222.0 - 227.0	23.0	779 309 065	779 312 065	139	35	255	285
229.9	228.0 - 232.0	23.0	779 309 066	779 312 066	139	35	260	290
244.5	242.0 - 247.0	22.0	779 309 070	779 312 070	139	35	275	305

PF 1 54 505 115



Rep E d254 up to d1212

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, 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]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code
254.0	250.0 - 256.0	21.0	779 309 073	779 312 073
267.0	264.0 - 269.0	20.0	779 309 076	779 312 076
273.0	270.0 - 275.0	20.0	779 309 078	779 312 078
306.0	302.0 - 308.0	17.5	779 309 085	779 312 085
323.9	320.0 - 327.0	17.5	779 309 091	779 312 091
326.0	322.0 - 329.0	16.5	779 309 092	779 312 092
355.6	352.0 - 359.0	15.0	779 309 102	779 312 102
406.4	402.0 - 410.0	14.0	779 309 116	779 312 116
429.0	426.0 - 431.0	13.0	779 309 124	779 312 124
442.0	439.0 - 444.0	13.0	779 309 127	779 312 127
457.2	454.0 - 459.0	12.0	779 309 131	779 312 131
508.0	505.0 - 510.0	11.0	779 309 145	779 312 145
531.0	528.0 - 534.0	10.5	779 309 152	779 312 152
558.8	556.0 - 562.0	10.0	779 309 159	779 312 159
609.6	606.0 - 613.0	9.0	779 309 172	779 312 172
634.0	631.0 - 637.0	8.0	779 309 179	779 312 179
711.2	707.0 - 715.0	7.0	779 309 197	779 312 197
762.0	758.0 - 766.0	7.0	779 309 210	779 312 210
813.0	808.0 - 817.0	6.5	779 309 223	779 312 223
914.4	909.0 - 919.0	5.5	779 309 245	779 312 245
1016.0	1013.0 - 1019.0	5.0	779 309 271	779 312 271
1118.0	1114.0 - 1120.0	4.5	779 309 296	779 312 296
1212.0	1216.0 - 1222.0	4.0	779 309 319	779 312 319

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
254.0	139	35	285	315
267.0	139	35	300	330
273.0	139	35	305	335
306.0	139	35	340	370
323.9	139	35	355	385
326.0	139	35	360	390
355.6	139	35	390	420
406.4	139	35	440	470
429.0	139	35	460	490
442.0	139	35	475	505
457.2	139	35	490	520
508.0	139	35	540	570
531.0	139	35	565	595
558.8	139	35	590	620
609.6	139	35	640	670
634.0	139	35	665	695
711.2	139	35	745	775
762.0	139	35	795	825
813.0	139	35	845	875
914.4	139	35	945	975
1016.0	139	35	1050	1080
1118.0	139	35	1180	1180
1212.0	139	35	1280	1280

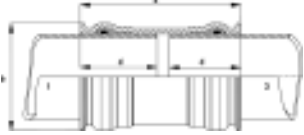
PF 1 54 505 115



Plast/Joint®

Plast/Joint®

Plast/Joint® 8000 Coupling, non-restraint



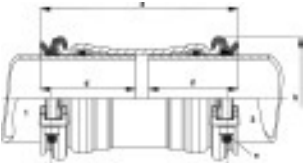
Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Suitable for water and gas

d [mm]	NBR Code	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]
63	709 200 210	170	100	16.0	8.0
75	709 200 212	170	110	16.0	8.0
90	709 200 214	180	120	16.0	8.0
110	709 200 216	210	140	16.0	8.0
125	709 200 218	220	160	16.0	8.0
160	709 200 222	250	200	16.0	8.0
200	709 200 226	280	240	16.0	8.0
250	709 200 230	340	300	16.0	8.0
315	709 200 234	350	360	16.0	8.0

PF 1 54 932 001

Plast/Joint® 8007 Coupling, restraint

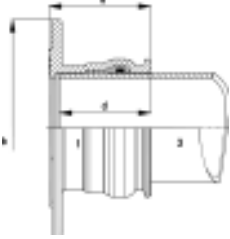


Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Gasket: NBR
- Suitable for water and gas
- Gripring in brass (de zinc stabilized)

d [mm]	NBR / A2 Code	NBR / A4 Code	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]
63	709 207 210	709 207 010	170	100	16.0	8.0
75	709 207 212	709 207 012	170	110	16.0	8.0
90	709 207 214	709 207 014	180	120	16.0	8.0
110	709 207 216	709 207 016	210	140	16.0	8.0
125	709 207 218	709 207 018	220	160	16.0	8.0
160	709 207 222	709 207 022	250	200	16.0	8.0
200	709 207 226	709 207 026	280	240	16.0	8.0
250	709 207 230	709 207 030	340	300	16.0	8.0
315	709 207 234	709 207 034	350	360	16.0	8.0

PF 1 54 932 001



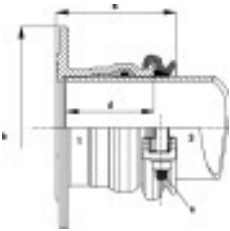
Plast/Joint® 8050 Flange Adaptor, non-restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Suitable for water and gas
- Flange drilling according to EN 1092-2

d [mm]	DN [mm]	Drilling pattern	NBR Code	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	
63	50	PN16	709 250 210	90	170	16.0	8.0	
75	65	PN16	709 250 212	90	190	16.0	8.0	
90	80	PN16	709 250 214	90	200	16.0	8.0	
110	100	PN16	709 250 216	110	220	16.0	8.0	
125	100	PN16	709 250 218	110	220	16.0	8.0	
160	150	PN16	709 250 222	130	290	16.0	8.0	
200	200	PN10	709 250 225	140	340	16.0	8.0	
200	200	PN16	709 250 226	140	340	16.0	8.0	
250	250	PN10	709 250 229	170	400	16.0	8.0	
250	250	PN16	709 250 230	170	400	16.0	8.0	
315	300	PN10	709 250 233	170	460	16.0	8.0	
315	300	PN16	709 250 234	170	460	16.0	8.0	

PF 1 54 932 001



Plast/Joint® 8057 Flange Adaptor, restraint

Model:

- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Gasket: NBR
- Suitable for water and gas
- Flange drilling according to EN 1092-2
- Gripring in brass (de zinc stabilized)

d [mm]	DN [mm]	Drilling pattern	NBR / A2 Code	NBR / A4 Code	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	
63	50	PN16	709 257 210	709 257 010	90	170	16.0	8.0	
75	65	PN16	709 257 212	709 257 012	90	190	16.0	8.0	
90	80	PN16	709 257 214	709 257 014	90	200	16.0	8.0	
110	100	PN16	709 257 216	709 257 016	110	220	16.0	8.0	
125	100	PN16	709 257 218	709 257 018	110	220	16.0	8.0	
160	150	PN16	709 257 222	709 257 022	130	290	16.0	8.0	
200	200	PN10	709 257 225	709 257 025	140	340	16.0	8.0	
200	200	PN16	709 257 226	709 257 026	140	340	16.0	8.0	
250	250	PN10	709 257 229	709 257 029	170	400	16.0	8.0	
250	250	PN16	709 257 230	709 257 030	170	400	16.0	8.0	
315	300	PN10	709 257 233	709 257 033	170	460	16.0	8.0	
315	300	PN16	709 257 234	709 257 034	170	460	16.0	8.0	

PF 1 54 932 001



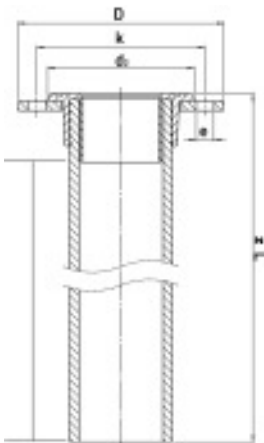
Draw-Lock®

Draw-Lock®

Draw-Lock® Spigot with flange - DL10

Model:

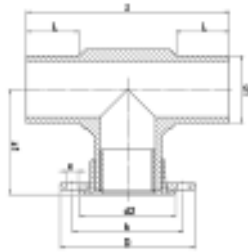
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Flange drilling pattern according to EN1092-2 PN10 and/or PN16, other drilling pattern on request
- Material specifications: metal parts in mild steel or ductile cast iron GGG45, acc. to EN-GJS-450-10 - PE: PE100 SDR11 (ISO S5)
- Suitable for electro-fusion and butt welding in water and gas systems



d [mm]	DN flange [mm]	Drilling pattern	Code
63	50	PN16	709 050 011
75	65	PN16	709 050 012
90	80	PN16	709 050 013
110	100	PN16	709 050 014
125	100	PN16	709 050 015
140	125	PN16	709 050 016
160	150	PN16	709 050 017
180	150	PN16	709 050 018
200	200	PN10	709 050 019
200	200	PN16	709 050 020
225	200	PN10	709 050 021
225	200	PN16	709 050 022
250	250	PN10	709 050 023
250	250	PN16	709 050 024
280	250	PN10	709 050 025
280	250	PN16	709 050 026
315	300	PN10	709 050 027
315	300	PN16	709 050 028

d [mm]	DN flange [mm]	z [mm]	L [mm]	d1 [mm]	D [mm]	k [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
63	50	503	456	102	165	125	4x19	16.0	10.0
75	65	503	455	122	185	145	4x19	16.0	10.0
90	80	503	448	137	200	160	8x19	16.0	10.0
110	100	503	447	157	220	180	8x19	16.0	10.0
125	100	503	448	157	220	180	8x19	16.0	10.0
140	125	503	441	187	250	210	8x19	16.0	10.0
160	150	504	439	213	285	240	8x23	16.0	10.0
180	150	504	438	213	285	240	8x23	16.0	10.0
200	200	504	425	168	340	295	8x23	16.0	10.0
200	200	504	425	168	340	295	12x23	16.0	10.0
225	200	504	426	168	340	295	8x23	16.0	10.0
225	200	504	426	168	340	295	12x23	16.0	10.0
250	250	504	425	323	395	350	12x23	16.0	10.0
250	250	504	425	323	405	355	12x28	16.0	10.0
280	250	504	425	323	395	350	12x23	16.0	10.0
280	250	504	425	323	405	355	12x28	16.0	10.0
315	300	505	420	373	445	400	12x28	16.0	10.0
315	300	505	420	373	460	410	12x28	16.0	10.0

PF 1 54 324 011



Draw-Lock® Tee - DL20/DL20R

Model:

- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Flange drilling pattern according to EN1092-2 PN10 and/or PN16, other drilling pattern on request
- Material specifications: metal parts in mild steel or ductile cast iron GGG45, acc. to EN-GJS-450-10 - PE: PE100 SDR11 (ISO S5)
- Suitable for electro-fusion and butt welding in water and gas systems

Note:

- * type DL20R

d [mm]	DN flange [mm]	Drilling pattern	Code	z [mm]	z1 [mm]	L [mm]	d1 [mm]	D [mm]	k [mm]	e [mm]
63	50	PN16	709 050 101	230	121	65	102	165	125	4x19
*75	50	PN16	709 050 102	255	123	70	102	165	125	4x19
75	65	PN16	709 050 103	264	138	72	122	185	145	4x19
*90	50	PN16	709 050 104	269	142	79	102	165	125	4x19
*90	65	PN16	709 050 105	272	144	73	122	185	145	4x19
90	80	PN16	709 050 106	300	156	81	137	200	160	8x19
*110	50	PN16	709 050 107	309	132	84	102	165	125	4x19
*110	65	PN16	709 050 108	309	157	82	122	185	145	4x19
*110	80	PN16	709 050 109	310	158	82	122	200	160	8x19
110	100	PN16	709 050 110	330	171	86	157	220	180	8x19
*125	80	PN16	709 050 113	335	176	110	137	200	160	8x19
*125	100	PN16	709 050 114	340	176	89	157	220	180	8x19
125	100	PN16	709 050 115	366	189	92	157	220	180	8x19
140	125	PN16	709 050 121	380	196	98	187	250	210	8x19
*160	50	PN16	709 050 122	340	182	98	102	165	125	4x19
*160	65	PN16	709 050 123	340	182	98	122	185	145	4x19
*160	80	PN16	709 050 124	340	182	98	137	200	160	8x19
*160	100	PN16	709 050 125	390	208	98	157	220	180	8x19
160	150	PN16	709 050 128	420	217	102	213	285	240	8x23
*180	80	PN16	709 050 131	420	208	136	137	200	160	8x19
*180	100	PN16	709 050 132	430	211	131	157	220	180	8x19
*180	150	PN16	709 050 135	411	212	101	213	285	240	8x23
180	150	PN16	709 050 136	460	237	107	213	285	240	8x23
*200	50	PN16	709 050 137	503	202	120	102	165	125	4x19
*200	80	PN16	709 050 139	503	221	120	137	200	160	8x19
*200	100	PN16	709 050 140	503	224	120	157	220	180	8x19
*200	150	PN16	709 050 143	503	242	120	213	285	240	8x19
200	200	PN10	709 050 145	500	257	117	168	340	295	8x23
200	200	PN16	709 050 146	500	257	117	168	340	295	12x23
*225	65	PN16	709 050 148	441	233	118	122	185	145	4x19
*225	80	PN16	709 050 149	441	231	118	137	200	160	8x19
*225	100	PN16	709 050 150	441	243	118	157	220	180	8x19
*225	150	PN16	709 050 153	488	254	120	213	285	240	8x23
*225	150	PN16	709 050 154	543	284	131	213	285	240	8x23
*315	100	PN16	709 050 192	555	296	170	157	220	180	8x19
*315	150	PN16	709 050 195	585	317	170	213	285	240	8x23

PF 1 54 324 009



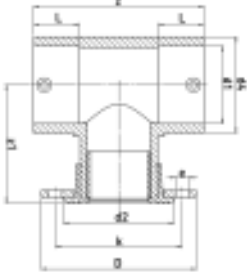
Draw-Lock® Elgef® Tee - DL30/DL30R

Model:

- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Flange drilling pattern according to EN1092-2 PN10 and/or PN16, other drilling pattern on request
- Material specifications: metal parts in mild steel or ductile cast iron GGG45, acc. to EN-GJS-450-10 - PE: PE100 SDR11 (ISO S5)
- Electrofusion fitting, suitable for water and gas systems

Note:

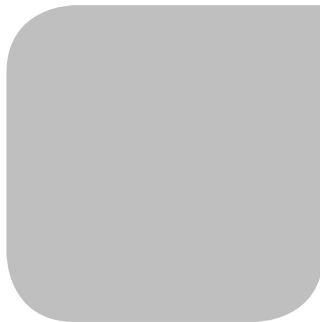
- * type DL30R



d [mm]	DN flange [mm]	Drilling pattern	Code
63	50	PN16	709 051 101
75	65	PN16	709 051 103
90	80	PN16	709 051 106
*110	80	PN16	709 051 109
110	100	PN16	709 051 110
125	100	PN16	709 051 115
*160	50	PN16	709 051 122
*160	80	PN16	709 051 124
*160	100	PN16	709 051 125
160	150	PN16	709 051 128
180	150	PN16	709 051 136
200	200	PN10	709 051 145
200	200	PN16	709 051 146
*225	80	PN16	709 051 149
*225	100	PN16	709 051 150
*225	150	PN16	709 051 153

d [mm]	DN flange [mm]	d4 [mm]	z [mm]	z1 [mm]	L [mm]	d1 [mm]	D [mm]	k [mm]	e [mm]
63	50	81	152	156	48	102	165	125	4x19
75	65	97	187	132	61	122	185	145	4x19
90	80	112	202	152	61	137	200	160	8x19
*110	80	136	242	200	65	137	200	160	8x19
110	100	136	242	167	65	157	220	180	8x19
125	100	151	256	180	75	157	220	180	8x19
*160	50	196	402	182	90	102	285	240	8x23
*160	80	196	402	186	90	137	200	160	8x19
*160	100	196	402	208	90	157	220	180	8x19
160	150	196	325	213	92	213	285	240	8x23
180	150	225	344	257	90	213	285	240	8x23
200	200	245	560	257	104	168	340	295	8x23
200	200	245	560	257	104	168	340	295	12x23
*225	80	274	518	231	112	137	200	160	8x19
*225	100	274	518	243	112	157	220	180	8x19
*225	150	274	518	254	112	213	285	240	8x23

PF 1 54 324 009



Multi/Clamp

Multi/Clamp

Multi/Clamp Snap length 75 mm



Model:

- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- Lugs are of ductile cast iron
- The rubber gasket is available in NBR (EPDM on request)
- The rubber gasket is clamped and partially covers the inside of the band

Range [mm]	NBR Code	
15 - 22	724 208 010	
21 - 25	724 208 019	
26 - 30	724 208 028	
33 - 37	724 208 037	
37 - 41	724 208 046	
42 - 45	724 208 055	
48 - 51	724 208 064	
50 - 54	724 208 073	
55 - 58	724 208 082	
60 - 64	724 208 091	
62 - 66	724 208 100	
65 - 69	724 208 109	
69 - 73	724 208 118	
71 - 76	724 208 127	
74 - 80	724 208 136	
87 - 93	724 208 145	
94 - 100	724 208 154	
99 - 104	724 208 163	
105 - 111	724 208 172	
112 - 117	724 208 181	
115 - 121	724 208 190	
120 - 126	724 208 199	
126 - 131	724 208 208	
131 - 136	724 208 217	
139 - 145	724 208 226	
149 - 155	724 208 235	
156 - 162	724 208 244	
167 - 173	724 208 253	
173 - 179	724 208 262	
200 - 206	724 208 271	
217 - 223	724 208 280	
223 - 229	724 208 289	
272 - 278	724 208 298	
323 - 329	724 208 307	

PF 1 54 325 010



Multi/Clamp Snap length 150 mm

Model:

- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- Lugs are of ductile cast iron
- The rubber gasket is available in NBR (EPDM on request)
- The rubber gasket is clamped and partially covers the inside of the band

Range [mm]	NBR Code	
15 - 22	724 208 011	
21 - 25	724 208 020	
26 - 30	724 208 029	
33 - 37	724 208 038	
37 - 41	724 208 047	
42 - 45	724 208 056	
48 - 51	724 208 065	
50 - 54	724 208 074	
55 - 58	724 208 083	
60 - 64	724 208 092	
62 - 66	724 208 101	
65 - 69	724 208 110	
69 - 73	724 208 119	
71 - 76	724 208 128	
74 - 80	724 208 137	
87 - 93	724 208 146	
94 - 100	724 208 155	
99 - 104	724 208 164	
105 - 111	724 208 173	
112 - 117	724 208 182	
115 - 121	724 208 191	
120 - 126	724 208 200	
126 - 131	724 208 209	
131 - 136	724 208 218	
139 - 145	724 208 227	
149 - 155	724 208 236	
156 - 162	724 208 245	
167 - 173	724 208 254	
173 - 179	724 208 263	
200 - 206	724 208 272	
217 - 223	724 208 281	
223 - 229	724 208 290	
272 - 278	724 208 299	
323 - 329	724 208 308	

PF 1 54 325 010



Multi/Clamp Snap length 225 mm

Model:

- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- Lugs are of ductile cast iron
- The rubber gasket is available in NBR (EPDM on request)
- The rubber gasket is clamped and partially covers the inside of the band

Range [mm]	NBR Code	
15 - 22	724 208 012	
21 - 25	724 208 021	
26 - 30	724 208 030	
33 - 37	724 208 039	
37 - 41	724 208 048	
42 - 45	724 208 057	
48 - 51	724 208 066	
50 - 54	724 208 075	
55 - 58	724 208 084	
60 - 64	724 208 093	
62 - 66	724 208 102	
65 - 69	724 208 111	
69 - 73	724 208 120	
71 - 76	724 208 129	
74 - 80	724 208 138	
87 - 93	724 208 147	
94 - 100	724 208 156	
99 - 104	724 208 165	
105 - 111	724 208 174	
112 - 117	724 208 183	
115 - 121	724 208 192	
120 - 126	724 208 201	
126 - 131	724 208 210	
131 - 136	724 208 219	
139 - 145	724 208 228	
149 - 155	724 208 237	
156 - 162	724 208 246	
167 - 173	724 208 255	
173 - 179	724 208 264	
200 - 206	724 208 273	
217 - 223	724 208 282	
223 - 229	724 208 291	
272 - 278	724 208 300	
323 - 329	724 208 309	

PF 1 54 325 010



Multi/Clamp Midi length 100 mm

Model:

- Single band clamp with partial gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
19 - 23	724 209 010	
25 - 29	724 209 019	
32 - 36	724 209 028	
38 - 42	724 209 037	
44 - 51	724 209 046	
48 - 55	724 209 055	
54 - 58	724 209 064	
60 - 64	724 209 073	
63 - 70	724 209 082	
67 - 74	724 209 091	
70 - 77	724 209 100	
73 - 80	724 209 109	
75 - 83	724 209 118	
82 - 90	724 209 127	
87 - 97	724 209 136	
95 - 104	724 209 145	
98 - 108	724 209 154	
102 - 112	724 209 163	
108 - 118	724 209 172	
113 - 123	724 209 181	
118 - 128	724 209 190	
120 - 131	724 209 199	

PF 1 54 325 009



Multi/Clamp Midi length 150 mm

Model:

- Single band clamp with partial gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
54 - 58	724 209 065	
60 - 64	724 209 074	
63 - 70	724 209 083	
67 - 74	724 209 092	
70 - 77	724 209 101	
73 - 80	724 209 110	
75 - 83	724 209 119	
82 - 90	724 209 128	
87 - 97	724 209 137	
95 - 104	724 209 146	
98 - 108	724 209 155	
102 - 112	724 209 164	
108 - 118	724 209 173	
113 - 123	724 209 182	
118 - 128	724 209 191	
120 - 131	724 209 200	
125 - 135	724 209 209	
133 - 144	724 209 218	
139 - 150	724 209 227	
145 - 155	724 209 236	
151 - 161	724 209 245	
159 - 170	724 209 254	
165 - 175	724 209 263	
168 - 180	724 209 272	
176 - 186	724 209 281	

PF 1 54 325 009



Multi/Clamp Midi length 200 mm

Model:

- Single band clamp with partial gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
95 - 104	724 209 147	
98 - 108	724 209 156	
102 - 112	724 209 165	
108 - 118	724 209 174	
113 - 123	724 209 183	
118 - 128	724 209 192	
120 - 131	724 209 201	
125 - 135	724 209 210	
133 - 144	724 209 219	
139 - 150	724 209 228	
145 - 155	724 209 237	
151 - 161	724 209 246	
159 - 170	724 209 255	
165 - 175	724 209 264	
168 - 180	724 209 273	
176 - 186	724 209 282	
180 - 191	724 209 291	
193 - 203	724 209 300	
200 - 210	724 209 309	
209 - 220	724 209 318	

PF 1 54 325 009



Multi/Clamp Single length 75 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
19 - 23	724 211 010	
25 - 29	724 211 026	
32 - 36	724 211 042	
38 - 42	724 211 058	

PF 1 54 325 009



Multi/Clamp Single length 150 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
19 - 23	724 211 011	
25 - 29	724 211 027	
32 - 36	724 211 043	
38 - 42	724 211 059	
44 - 51	724 211 075	
48 - 55	724 211 091	
52 - 59	724 211 107	
57 - 64	724 211 123	
60 - 67	724 211 139	
63 - 70	724 211 155	
67 - 74	724 211 171	
70 - 77	724 211 187	
73 - 80	724 211 203	
75 - 83	724 211 219	
82 - 90	724 211 235	
87 - 97	724 211 251	
95 - 104	724 211 267	
98 - 108	724 211 283	
102 - 112	724 211 299	
108 - 118	724 211 315	
113 - 123	724 211 331	
118 - 128	724 211 347	
120 - 131	724 211 363	
125 - 135	724 211 379	
133 - 144	724 211 395	
139 - 150	724 211 411	
145 - 155	724 211 427	
151 - 161	724 211 443	
159 - 170	724 211 459	
165 - 175	724 211 475	
168 - 180	724 211 491	

PF 1 54 325 009



Multi/Clamp Single length 200 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
44 - 51	724 211 076	
48 - 55	724 211 092	
52 - 59	724 211 108	
57 - 64	724 211 124	
60 - 67	724 211 140	
63 - 70	724 211 156	
67 - 74	724 211 172	
70 - 77	724 211 188	
73 - 80	724 211 204	
75 - 83	724 211 220	
82 - 90	724 211 236	
87 - 97	724 211 252	
95 - 104	724 211 268	
98 - 108	724 211 284	
102 - 112	724 211 300	
108 - 118	724 211 316	
113 - 123	724 211 332	
118 - 128	724 211 348	
120 - 131	724 211 364	
125 - 135	724 211 380	
133 - 144	724 211 396	
139 - 150	724 211 412	
145 - 155	724 211 428	
151 - 161	724 211 444	
159 - 170	724 211 460	
165 - 175	724 211 476	
168 - 180	724 211 492	
176 - 186	724 211 508	
180 - 191	724 211 524	
193 - 203	724 211 540	
200 - 210	724 211 556	
209 - 220	724 211 572	
215 - 226	724 211 588	
219 - 230	724 211 604	
222 - 233	724 211 620	
228 - 240	724 211 636	
243 - 253	724 211 652	
252 - 262	724 211 668	
261 - 271	724 211 684	
271 - 281	724 211 700	
280 - 290	724 211 716	
294 - 304	724 211 732	
300 - 310	724 211 748	
310 - 320	724 211 764	
315 - 326	724 211 780	
320 - 330	724 211 796	
324 - 334	724 211 812	
335 - 346	724 211 828	

PF 1 54 325 009



Multi/Clamp Single length 250 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
60 - 67	724 211 141	
63 - 70	724 211 157	
67 - 74	724 211 173	
70 - 77	724 211 189	
73 - 80	724 211 205	
75 - 83	724 211 221	
82 - 90	724 211 237	
87 - 97	724 211 253	
95 - 104	724 211 269	
98 - 108	724 211 285	
102 - 112	724 211 301	
108 - 118	724 211 317	
113 - 123	724 211 333	
118 - 128	724 211 349	
120 - 131	724 211 365	
125 - 135	724 211 381	
133 - 144	724 211 397	
139 - 150	724 211 413	
145 - 155	724 211 429	
151 - 161	724 211 445	
159 - 170	724 211 461	
165 - 175	724 211 477	
168 - 180	724 211 493	
176 - 186	724 211 509	
180 - 191	724 211 525	
193 - 203	724 211 541	
200 - 210	724 211 557	
209 - 220	724 211 573	
215 - 226	724 211 589	
219 - 230	724 211 605	
222 - 233	724 211 621	
228 - 240	724 211 637	
243 - 253	724 211 653	
252 - 262	724 211 669	
261 - 271	724 211 685	
271 - 281	724 211 701	
280 - 290	724 211 717	
294 - 304	724 211 733	
300 - 310	724 211 749	
310 - 320	724 211 765	
315 - 326	724 211 781	
320 - 330	724 211 797	
324 - 334	724 211 813	
335 - 346	724 211 829	

PF 1 54 325 009



Multi/Clamp Single length 300 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
60 - 67	724 211 142	
63 - 70	724 211 158	
67 - 74	724 211 174	
70 - 77	724 211 190	
73 - 80	724 211 206	
75 - 83	724 211 222	
82 - 90	724 211 238	
87 - 97	724 211 254	
95 - 104	724 211 270	
98 - 108	724 211 286	
102 - 112	724 211 302	
108 - 118	724 211 318	
113 - 123	724 211 334	
118 - 128	724 211 350	
120 - 131	724 211 366	
125 - 135	724 211 382	
133 - 144	724 211 398	
139 - 150	724 211 414	
145 - 155	724 211 430	
151 - 161	724 211 446	
159 - 170	724 211 462	
165 - 175	724 211 478	
168 - 180	724 211 494	
176 - 186	724 211 510	
180 - 191	724 211 526	
193 - 203	724 211 542	
200 - 210	724 211 558	
209 - 220	724 211 574	
215 - 226	724 211 590	
219 - 230	724 211 606	
222 - 233	724 211 622	
228 - 240	724 211 638	
243 - 253	724 211 654	
252 - 262	724 211 670	
261 - 271	724 211 686	
271 - 281	724 211 702	
280 - 290	724 211 718	
294 - 304	724 211 734	
300 - 310	724 211 750	
310 - 320	724 211 766	
315 - 326	724 211 782	
320 - 330	724 211 798	
324 - 334	724 211 814	
335 - 346	724 211 830	

PF 1 54 325 009



Multi/Clamp Single length 400 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
63 - 70	724 211 159	
67 - 74	724 211 175	
70 - 77	724 211 191	
73 - 80	724 211 207	
75 - 83	724 211 223	
82 - 90	724 211 239	
87 - 97	724 211 255	
95 - 104	724 211 271	
98 - 108	724 211 287	
102 - 112	724 211 303	
108 - 118	724 211 319	
113 - 123	724 211 335	
118 - 128	724 211 351	
120 - 131	724 211 367	
125 - 135	724 211 383	
133 - 144	724 211 399	
139 - 150	724 211 415	
145 - 155	724 211 431	
151 - 161	724 211 447	
159 - 170	724 211 463	
165 - 175	724 211 479	
168 - 180	724 211 495	
176 - 186	724 211 511	
180 - 191	724 211 527	
193 - 203	724 211 543	
200 - 210	724 211 559	
209 - 220	724 211 575	
215 - 226	724 211 591	
219 - 230	724 211 607	
222 - 233	724 211 623	
228 - 240	724 211 639	
243 - 253	724 211 655	
252 - 262	724 211 671	
261 - 271	724 211 687	
271 - 281	724 211 703	
280 - 290	724 211 719	
294 - 304	724 211 735	
300 - 310	724 211 751	
310 - 320	724 211 767	
315 - 326	724 211 783	
320 - 330	724 211 799	
324 - 334	724 211 815	
335 - 346	724 211 831	

PF 1 54 325 009



Multi/Clamp Single length 500 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
108 - 118	724 211 320	
113 - 123	724 211 336	
118 - 128	724 211 352	
120 - 131	724 211 368	
125 - 135	724 211 384	
133 - 144	724 211 400	
139 - 150	724 211 416	
145 - 155	724 211 432	
151 - 161	724 211 448	
159 - 170	724 211 464	
165 - 175	724 211 480	
168 - 180	724 211 496	
176 - 186	724 211 512	
180 - 191	724 211 528	
193 - 203	724 211 544	
200 - 210	724 211 560	
209 - 220	724 211 576	
215 - 226	724 211 592	
219 - 230	724 211 608	
222 - 233	724 211 624	
228 - 240	724 211 640	
243 - 253	724 211 656	
252 - 262	724 211 672	
261 - 271	724 211 688	
271 - 281	724 211 704	
280 - 290	724 211 720	
294 - 304	724 211 736	
300 - 310	724 211 752	
310 - 320	724 211 768	
315 - 326	724 211 784	
320 - 330	724 211 800	
324 - 334	724 211 816	
335 - 346	724 211 832	

PF 1 54 325 009



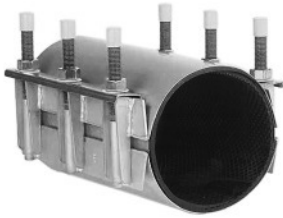
Multi/Clamp Single length 600 mm

Model:

- Single band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
222 - 233	724 211 625	
228 - 240	724 211 641	
243 - 253	724 211 657	
252 - 262	724 211 673	
261 - 271	724 211 689	
271 - 281	724 211 705	
280 - 290	724 211 721	
294 - 304	724 211 737	
300 - 310	724 211 753	
310 - 320	724 211 769	
315 - 326	724 211 785	
320 - 330	724 211 801	
324 - 334	724 211 817	
335 - 346	724 211 833	

PF 1 54 325 009



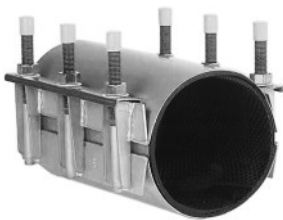
Multi/Clamp Double length 200 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
88 - 110	724 212 058	
108 - 128	724 212 074	
112 - 134	724 212 090	
120 - 140	724 212 106	
133 - 155	724 212 122	
138 - 160	724 212 138	
158 - 180	724 212 154	
168 - 190	724 212 170	
190 - 210	724 212 186	
195 - 217	724 212 202	
210 - 230	724 212 218	
216 - 238	724 212 234	
225 - 246	724 212 250	
238 - 260	724 212 266	
251 - 271	724 212 282	
260 - 280	724 212 298	
269 - 289	724 212 314	
273 - 293	724 212 330	
295 - 315	724 212 346	

PF 1 54 325 009



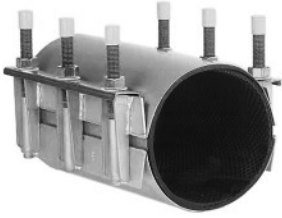
Multi/Clamp Double length 250 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
88 - 110	724 212 059	
108 - 128	724 212 075	
112 - 134	724 212 091	
120 - 140	724 212 107	
133 - 155	724 212 123	
138 - 160	724 212 139	
158 - 180	724 212 155	
168 - 190	724 212 171	
190 - 210	724 212 187	
195 - 217	724 212 203	
210 - 230	724 212 219	
216 - 238	724 212 235	
225 - 246	724 212 251	
238 - 260	724 212 267	
251 - 271	724 212 283	
260 - 280	724 212 299	
269 - 289	724 212 315	
273 - 293	724 212 331	
295 - 315	724 212 347	
314 - 335	724 212 363	
322 - 344	724 212 379	
334 - 354	724 212 395	
340 - 360	724 212 411	

PF 1 54 325 009



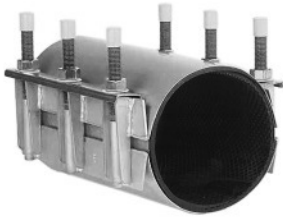
Multi/Clamp Double length 300 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
88 - 110	724 212 060	
108 - 128	724 212 076	
112 - 134	724 212 092	
120 - 140	724 212 108	
133 - 155	724 212 124	
138 - 160	724 212 140	
158 - 180	724 212 156	
168 - 190	724 212 172	
190 - 210	724 212 188	
195 - 217	724 212 204	
210 - 230	724 212 220	
216 - 238	724 212 236	
225 - 246	724 212 252	
238 - 260	724 212 268	
251 - 271	724 212 284	
260 - 280	724 212 300	
269 - 289	724 212 316	
273 - 293	724 212 332	
295 - 315	724 212 348	
314 - 335	724 212 364	
322 - 344	724 212 380	
334 - 354	724 212 396	
340 - 360	724 212 412	
348 - 368	724 212 428	
365 - 385	724 212 444	
376 - 396	724 212 460	
382 - 402	724 212 476	
390 - 410	724 212 492	
404 - 424	724 212 508	
420 - 440	724 212 524	

PF 1 54 325 009



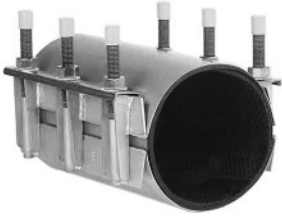
Multi/Clamp Double length 400 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
88 - 110	724 212 061	
108 - 128	724 212 077	
112 - 134	724 212 093	
120 - 140	724 212 109	
133 - 155	724 212 125	
138 - 160	724 212 141	
158 - 180	724 212 157	
168 - 190	724 212 173	
190 - 210	724 212 189	
195 - 217	724 212 205	
210 - 230	724 212 221	
216 - 238	724 212 237	
225 - 246	724 212 253	
238 - 260	724 212 269	
251 - 271	724 212 285	
260 - 280	724 212 301	
269 - 289	724 212 317	
273 - 293	724 212 333	
295 - 315	724 212 349	
314 - 335	724 212 365	
322 - 344	724 212 381	
334 - 354	724 212 397	
340 - 360	724 212 413	
348 - 368	724 212 429	
365 - 385	724 212 445	
376 - 396	724 212 461	
382 - 402	724 212 477	
390 - 410	724 212 493	
404 - 424	724 212 509	
420 - 440	724 212 525	
440 - 460	724 212 541	
457 - 477	724 212 557	
468 - 488	724 212 573	
488 - 508	724 212 589	
500 - 520	724 212 605	
520 - 540	724 212 621	
527 - 547	724 212 637	
545 - 565	724 212 653	
555 - 570	724 212 669	
568 - 588	724 212 685	
586 - 606	724 212 701	
600 - 620	724 212 717	
625 - 645	724 212 733	
650 - 670	724 212 749	

PF 1 54 325 009



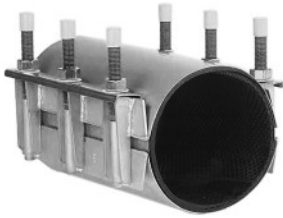
Multi/Clamp Double length 500 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
88 - 110	724 212 062	
108 - 128	724 212 078	
112 - 134	724 212 094	
120 - 140	724 212 110	
133 - 155	724 212 126	
138 - 160	724 212 142	
158 - 180	724 212 158	
168 - 190	724 212 174	
190 - 210	724 212 190	
195 - 217	724 212 206	
210 - 230	724 212 222	
216 - 238	724 212 238	
225 - 246	724 212 254	
238 - 260	724 212 270	
251 - 271	724 212 286	
260 - 280	724 212 302	
269 - 289	724 212 318	
273 - 293	724 212 334	
295 - 315	724 212 350	
314 - 335	724 212 366	
322 - 344	724 212 382	
334 - 354	724 212 398	
340 - 360	724 212 414	
348 - 368	724 212 430	
365 - 385	724 212 446	
376 - 396	724 212 462	
382 - 402	724 212 478	
390 - 410	724 212 494	
404 - 424	724 212 510	
420 - 440	724 212 526	
440 - 460	724 212 542	
457 - 477	724 212 558	
468 - 488	724 212 574	
488 - 508	724 212 590	
500 - 520	724 212 606	
520 - 540	724 212 622	
527 - 547	724 212 638	
545 - 565	724 212 654	
555 - 570	724 212 670	
568 - 588	724 212 686	
586 - 606	724 212 702	
600 - 620	724 212 718	
625 - 645	724 212 734	
650 - 670	724 212 750	

PF 1 54 325 009



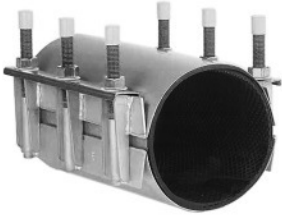
Multi/Clamp Double length 600 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
314 - 335	724 212 367	
322 - 344	724 212 383	
334 - 354	724 212 399	
340 - 360	724 212 415	
348 - 368	724 212 431	
365 - 385	724 212 447	
376 - 396	724 212 463	
382 - 402	724 212 479	
390 - 410	724 212 495	
404 - 424	724 212 511	
420 - 440	724 212 527	
440 - 460	724 212 543	
457 - 477	724 212 559	
468 - 488	724 212 575	
488 - 508	724 212 591	
500 - 520	724 212 607	
520 - 540	724 212 623	
527 - 547	724 212 639	
545 - 565	724 212 655	
555 - 570	724 212 671	
568 - 588	724 212 687	
586 - 606	724 212 703	
600 - 620	724 212 719	
625 - 645	724 212 735	
650 - 670	724 212 751	
705 - 725	724 212 767	
730 - 750	724 212 783	
755 - 775	724 212 799	
805 - 825	724 212 815	
835 - 855	724 212 831	

PF 1 54 325 009



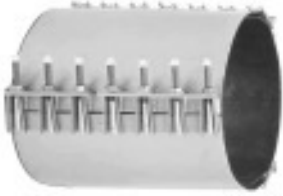
Multi/Clamp Double length 750 mm

Model:

- Double band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
420 - 440	724 212 528	
440 - 460	724 212 544	
457 - 477	724 212 560	
468 - 488	724 212 576	
488 - 508	724 212 592	
500 - 520	724 212 608	
520 - 540	724 212 624	
527 - 547	724 212 640	
545 - 565	724 212 656	
555 - 570	724 212 672	
568 - 588	724 212 688	
586 - 606	724 212 704	
600 - 620	724 212 720	
625 - 645	724 212 736	
650 - 670	724 212 752	
705 - 725	724 212 768	
730 - 750	724 212 784	
755 - 775	724 212 800	
805 - 825	724 212 816	
835 - 855	724 212 832	

PF 1 54 325 009



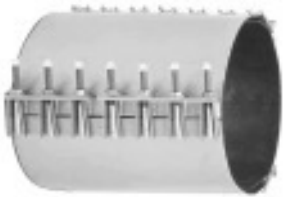
Multi/Clamp Triple length 300 mm

Model:

- Triple band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
267 - 297	724 213 060	
300 - 330	724 213 076	
323 - 353	724 213 092	
352 - 382	724 213 108	
378 - 408	724 213 124	
402 - 432	724 213 140	
429 - 459	724 213 156	
456 - 486	724 213 172	
490 - 520	724 213 188	
520 - 550	724 213 204	

PF 1 54 325 009



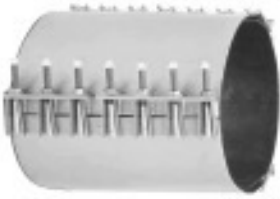
Multi/Clamp Triple length 400 mm

Model:

- Triple band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
267 - 297	724 213 061	
300 - 330	724 213 077	
323 - 353	724 213 093	
352 - 382	724 213 109	
378 - 408	724 213 125	
402 - 432	724 213 141	
429 - 459	724 213 157	
456 - 486	724 213 173	
490 - 520	724 213 189	
520 - 550	724 213 205	
532 - 562	724 213 221	
545 - 575	724 213 237	
570 - 600	724 213 253	

PF 1 54 325 009



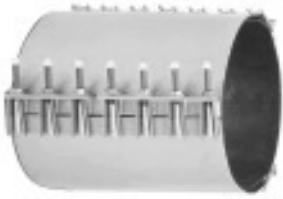
Multi/Clamp Triple length 500 mm

Model:

- Triple band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
352 - 382	724 213 110	
378 - 408	724 213 126	
402 - 432	724 213 142	
429 - 459	724 213 158	
456 - 486	724 213 174	
490 - 520	724 213 190	
520 - 550	724 213 206	
432 - 562	724 213 222	
545 - 575	724 213 238	
570 - 600	724 213 254	
586 - 616	724 213 270	
609 - 639	724 213 286	
615 - 645	724 213 302	
633 - 663	724 213 318	
640 - 670	724 213 334	
654 - 684	724 213 350	

PF 1 54 325 009



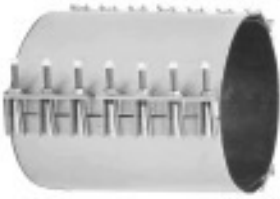
Multi/Clamp Triple length 600 mm

Model:

- Triple band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
456 - 486	724 213 175	
490 - 520	724 213 191	
520 - 550	724 213 207	
532 - 562	724 213 223	
545 - 575	724 213 239	
570 - 600	724 213 255	
586 - 616	724 213 271	
609 - 639	724 213 287	
615 - 645	724 213 303	
633 - 663	724 213 319	
640 - 670	724 213 335	
654 - 684	724 213 351	
670 - 700	724 213 367	
702 - 732	724 213 383	
711 - 741	724 213 399	
729 - 759	724 213 415	
747 - 777	724 213 431	
780 - 815	724 213 447	
800 - 730	724 213 463	
813 - 843	724 213 479	
830 - 860	724 213 495	
852 - 882	724 213 511	
864 - 894	724 213 527	
900 - 930	724 213 543	
925 - 955	724 213 559	
945 - 975	724 213 575	
970 - 1000	724 213 591	

PF 1 54 325 009



Multi/Clamp Triple length 750 mm

Model:

- Triple band clamp with full circle gasket
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
545 - 575	724 213 240	
570 - 600	724 213 256	
586 - 616	724 213 272	
609 - 639	724 213 288	
615 - 645	724 213 304	
633 - 663	724 213 320	
640 - 670	724 213 336	
654 - 684	724 213 352	
670 - 700	724 213 368	
702 - 732	724 213 384	
711 - 741	724 213 400	
729 - 759	724 213 416	
747 - 777	724 213 432	
780 - 815	724 213 448	
800 - 730	724 213 464	
813 - 843	724 213 480	
830 - 860	724 213 496	
852 - 882	724 213 512	
864 - 894	724 213 528	
900 - 930	724 213 544	
925 - 955	724 213 560	
945 - 975	724 213 576	
970 - 1000	724 213 592	

PF 1 54 325 009

Multi/Clamp Thread (surcharge)



Model:

- The Multi/Clamp Single, Double and Triple can be equipped with a threaded outlet
- To obtain the total product price please take the surcharge for the threaded outlet and the price of the repair clamp
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- Female threaded outlet (other threads or combinations on request)

Inch	threaded outlet	Code	
½	from 45 mm	thread1/2	
¾	from 50 mm	thread3/4	
1	from 60 mm	thread1	
1 ¼	from 70 mm	thread1.1/4	
1 ½	from 76 mm	thread1.1/2	
2	from 90 mm	thread2	
2 ½	from 110 mm	thread2.1/2	
3	from 130 mm	thread3	
4	from 169 mm	thread4	

PF 1 54 327 012



Multi/Clamp Saddle Studs threaded outlet 1/2"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 061	
88 - 110	724 201 073	
108 - 134	724 201 097	
133 - 155	724 201 133	
159 - 181	724 201 169	
168 - 190	724 201 193	
190 - 212	724 201 205	
216 - 238	724 201 217	
238 - 260	724 201 229	
267 - 289	724 201 253	

PF 1 54 327 011



Multi/Clamp Saddle Studs threaded outlet 3/4"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 062	
88 - 110	724 201 074	
108 - 134	724 201 098	
133 - 155	724 201 134	
159 - 181	724 201 170	
168 - 190	724 201 194	
190 - 212	724 201 206	
216 - 238	724 201 218	
238 - 260	724 201 230	
267 - 289	724 201 254	

PF 1 54 327 011



Multi/Clamp Saddle Studs threaded outlet 1"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 063	
88 - 110	724 201 075	
108 - 134	724 201 099	
133 - 155	724 201 135	
159 - 181	724 201 171	
168 - 190	724 201 195	
190 - 212	724 201 207	
216 - 238	724 201 219	
238 - 260	724 201 231	
267 - 289	724 201 255	

PF 1 54 327 011



Multi/Clamp Saddle Studs threaded outlet 1 1/4"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
88 - 110	724 201 076	
108 - 134	724 201 100	
133 - 155	724 201 136	
159 - 181	724 201 172	
168 - 190	724 201 196	
190 - 212	724 201 208	
216 - 238	724 201 220	
238 - 260	724 201 232	
267 - 289	724 201 256	

PF 1 54 327 011



Multi/Clamp Saddle Studs threaded outlet 1 1/2"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
108 - 134	724 201 101	
133 - 155	724 201 137	
159 - 181	724 201 173	
168 - 190	724 201 197	
190 - 212	724 201 209	
216 - 238	724 201 221	
238 - 260	724 201 233	
267 - 289	724 201 257	

PF 1 54 327 011



Multi/Clamp Saddle Studs threaded outlet 2"

Model:

- Saddle with threaded outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Lower shell half is without gasket (available on request)
- Other sizes available on request

Range [mm]	NBR Code	
108 - 134	724 201 102	
133 - 155	724 201 138	
159 - 181	724 201 174	
168 - 190	724 201 198	
190 - 212	724 201 210	
216 - 238	724 201 222	
238 - 260	724 201 234	
267 - 289	724 201 258	

PF 1 54 327 011



Multi/Clamp Saddle Bolts threaded outlet 1/2"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 589	
88 - 110	724 201 601	
108 - 134	724 201 613	
133 - 155	724 201 625	
159 - 181	724 201 637	
168 - 190	724 201 649	
190 - 212	724 201 661	
216 - 238	724 201 673	
238 - 260	724 201 685	
267 - 289	724 201 697	

PF 1 54 327 011



Multi/Clamp Saddle Bolts threaded outlet 3/4"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 590	
88 - 110	724 201 602	
108 - 134	724 201 614	
133 - 155	724 201 626	
159 - 181	724 201 638	
168 - 190	724 201 650	
190 - 212	724 201 662	
216 - 238	724 201 674	
238 - 260	724 201 686	
267 - 289	724 201 698	

PF 1 54 327 011



Multi/Clamp Saddle Bolts threaded outlet 1"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
68 - 78	724 201 591	
88 - 110	724 201 603	
108 - 134	724 201 615	
133 - 155	724 201 627	
159 - 181	724 201 639	
168 - 190	724 201 651	
190 - 212	724 201 663	
216 - 238	724 201 675	
238 - 260	724 201 687	
267 - 289	724 201 699	

PF 1 54 327 011



Multi/Clamp Saddle Bolts threaded outlet 1 1/4"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
88 - 110	724 201 604	
108 - 134	724 201 616	
133 - 155	724 201 628	
159 - 181	724 201 640	
168 - 190	724 201 652	
190 - 212	724 201 664	
216 - 238	724 201 676	
238 - 260	724 201 688	
267 - 289	724 201 700	

PF 1 54 327 011



Multi/Clamp Saddle Bolts threaded outlet 1 1/2"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
108 - 134	724 201 617	
133 - 155	724 201 629	
159 - 181	724 201 641	
168 - 190	724 201 653	
190 - 212	724 201 665	
216 - 238	724 201 677	
238 - 260	724 201 689	
267 - 289	724 201 701	

PF 1 54 327 011



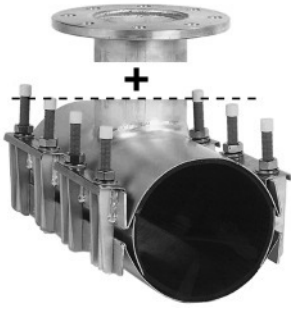
Multi/Clamp Saddle Bolts threaded outlet 2"

Model:

- Saddle with threaded outlet, welded into the pad on two sides
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)
- Outlet dimension up to 4" available on request
- Other sizes available on request

Range [mm]	NBR Code	
108 - 134	724 201 618	
133 - 155	724 201 630	
159 - 181	724 201 642	
168 - 190	724 201 654	
190 - 212	724 201 666	
216 - 238	724 201 678	
238 - 260	724 201 690	
267 - 289	724 201 702	

PF 1 54 327 011



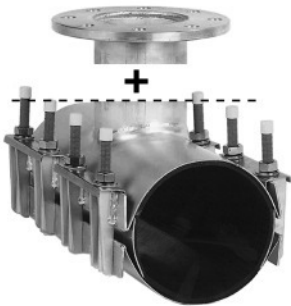
Multi/Clamp Flange (tapping sleeve) length 200 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	NBR Code	
95 - 104	95-104L200N	
98 - 108	98-108L200N	
108 - 128	108-128L200N	
118 - 138	118-138L200N	
133 - 153	133-153L200N	
143 - 163	143-163L200N	
160 - 180	160-180L200N	
180 - 200	180-200L200N	
190 - 210	190-210L200N	
210 - 230	210-230L200N	
230 - 250	230-250L200N	
240 - 260	240-260L200N	
250 - 270	250-270L200N	
270 - 290	270-290L200N	
290 - 310	290-310L200N	

PF 1 54 327 012



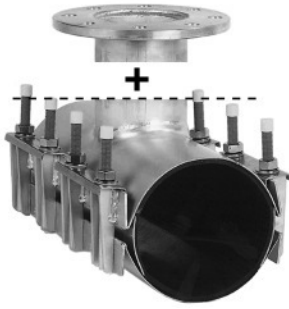
Multi/Clamp Flange (tapping sleeve) length 300 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	DN [mm]	NBR Code	
95 - 104		95-104L300N	
98 - 108		98-108L300N	
108 - 128		108-128L300N	
118 - 138		118-138L300N	
133 - 153		133-153L300N	
143 - 163		143-163L300N	
160 - 180		160-180L300N	
180 - 200		180-200L300N	
190 - 210		190-210L300N	
210 - 230		210-230L300N	
230 - 250		230-250L300N	
240 - 260		240-260L300N	
250 - 270		250-270L300N	
270 - 290		270-290L300N	
290 - 310		290-310L300N	
315 - 335		315-335L300N	
335 - 355		335-355L300N	
-	350	DN350L300N	

PF 1 54 327 012



Multi/Clamp Flange (tapping sleeve) length 400 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	DN [mm]	NBR Code	
95 - 104		95-104L400N	
98 - 108		98-108L400N	
108 - 128		108-128L400N	
118 - 138		118-138L400N	
133 - 153		133-153L400N	
143 - 163		143-163L400N	
160 - 180		160-180L400N	
180 - 200		180-200L400N	
190 - 210		190-210L400N	
210 - 230		210-230L400N	
230 - 250		230-250L400N	
240 - 260		240-260L400N	
250 - 270		250-270L400N	
270 - 290		270-290L400N	
290 - 310		290-310L400N	
315 - 335		315-335L400N	
335 - 355		335-355L400N	
-	350	DN350L400N	
-	400	DN400L400N	
-	450	DN450L400N	
-	500	DN500L400N	
-	600	DN600L400N	
-	700	DN700L400N	

PF 1 54 327 012



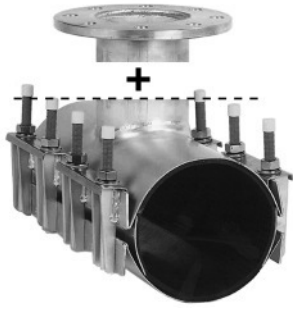
Multi/Clamp Flange (flange outlet)

Model:

- To obtain the total product price please add the price of the tapping sleeve
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)

DN [mm]	Drilling pattern	required body length	Code	
50	PN 10/16	200 mm	flangeDN50	
65	PN 10/16	300 mm	flangeDN65	
80	PN 10/16	300 mm (400 mm if POD > 300)	flangeDN80	
100	PN 10/16	400 mm	flangeDN100	
125	PN 10/16	400 mm	flangeDN125	
150	PN 10/16	400 mm	flangeDN150	
200	PN 10	500 mm	flangeDN200	
250	PN 10	600 mm	flangeDN250	
300	PN 10	750 mm	flangeDN300	

PF 1 54 327 012



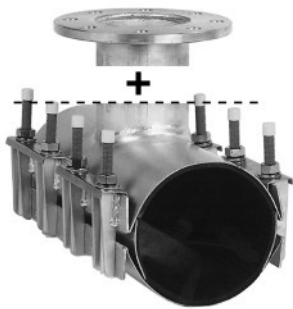
Multi/Clamp Flange (tapping sleeve) length 500 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	DN [mm]	NBR Code
95 - 104		95-104L500N
98 - 108		98-108L500N
108 - 128		108-128L500N
118 - 138		118-138L500N
133 - 153		133-153L500N
143 - 163		143-163L500N
160 - 180		160-180L500N
180 - 200		180-200L500N
190 - 210		190-210L500N
210 - 230		210-230L500N
230 - 250		230-250L500N
240 - 260		240-260L500N
250 - 270		250-270L500N
270 - 290		270-290L500N
290 - 310		290-310L500N
315 - 335		315-335L500N
335 - 355		335-355L500N
-	350	DN350L500N
-	400	DN400L500N
-	450	DN450L500N
-	500	DN500L500N
-	600	DN600L500N
-	700	DN700L500N
-	750	DN750L500N
-	800	DN800L500N

PF 1 54 327 012



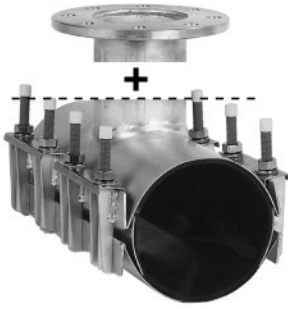
Multi/Clamp Flange (tapping sleeve) length 600 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

Range [mm]	DN [mm]	NBR Code
315 - 335		315-335L600N
335 - 355		335-355L600N
-	350	DN350L600N
-	400	DN400L600N
-	450	DN450L600N
-	500	DN500L600N
-	600	DN600L600N
-	700	DN700L600N
-	750	DN750L600N
-	800	DN800L600N

PF 1 54 327 012



Multi/Clamp Flange (tapping sleeve) length 750 mm

Model:

- Double band saddle with flanged outlet
- Full circle construction for optimal pipe support
- To obtain the total product price, please take the price of the tapping sleeve and add the price for the flange outlet
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

DN [mm]	NBR Code	
400	DN400L750N	
450	DN450L750N	
500	DN500L750N	
600	DN600L750N	
700	DN700L750N	
750	DN750L750N	
800	DN800L750N	

PF 1 54 327 012



Multi/Clamp Flange (flange outlet)

Model:

- To obtain the total product price please add the price of the tapping sleeve
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)

DN [mm]	Drilling pattern	required body length	Code	
50	PN 10/16	200 mm	flangeDN50	
65	PN 10/16	300 mm	flangeDN65	
80	PN 10/16	300 mm (400 mm if POD > 300)	flangeDN80	
100	PN 10/16	400 mm	flangeDN100	
125	PN 10/16	400 mm	flangeDN125	
150	PN 10/16	400 mm	flangeDN150	
200	PN 10	500 mm	flangeDN200	
250	PN 10	600 mm	flangeDN250	
300	PN 10	750 mm	flangeDN300	

PF 1 54 327 012



Multi/Clamp Combi length 400 mm

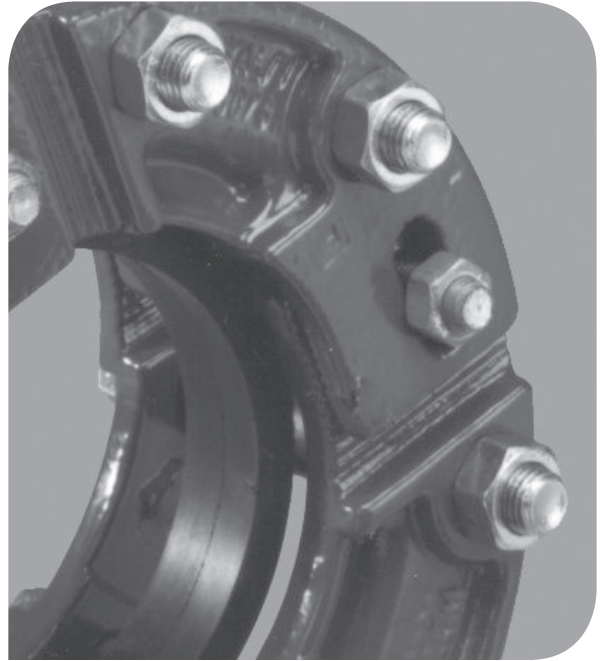
Model:

- A combination of either two or more shell sections enables you to repair pipes from 213 mm up to 1086 mm OD
- All metal parts are stainless steel, quality AISI 304 (on request AISI 316)
- The rubber gasket is available in NBR (EPDM on request)

description	NBR Code
repair set complete (all shell sections + wooden box)	724 213 730
shell section A	724 213 746
shell section B	724 213 762
shell section C	724 213 778
shell section D	724 213 794
shell section E	724 213 810
wooden box separate	724 213 826

Range [mm]	description
	<u>shell sections to combine with 1 Multi/Clamp Combi box:</u>
213 - 233	A B
233 - 253	A C
253 - 273	B C
264 - 284	A D
284 - 304	B D
294 - 314	A E
304 - 324	C D
314 - 334	B E
335 - 355	C E
354 - 384	A B C
386 - 416	A B D
406 - 436	A C D
416 - 446	A B E
426 - 456	B C D
436 - 466	A C E
456 - 486	B C E
467 - 497	A D E
487 - 517	B D E
508 - 538	C D E
527 - 567	A B C D
558 - 598	A B C E
589 - 629	A B D E
609 - 649	A C D E
629 - 669	B C D E
	<u>shell sections to combine with 2 Multi/Clamp Combi boxes:</u>
694 - 744	E E B A A
728 - 778	E E C B A
796 - 846	E E D C B
816 - 866	E E D C C
894 - 954	E E D C B A
928 - 988	E E D D B A
982 - 1042	E E D D C C
1026 - 1086	E E D C C B A

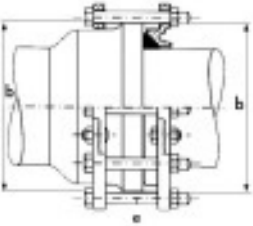
PF 1 54 325 009



WAL/V

WAL/V

WAL/V Single



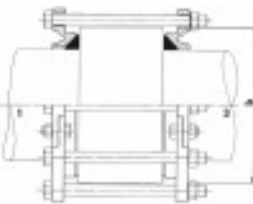
Model:

- Ductile Cast iron GGG40 body
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Stainless steel A2 quality (AISI 304) bolts, nuts and washers
- Suitable for usage in potable water or gas

DN [mm]	Range [mm]	NBR Code	b [mm]	e [mm]	bolt length [mm]	PN Water [bar]	PN Gas [bar]
80	90 - 114	709 016 053	175	8xM16	140	10.0	4.0
100	110 - 135	709 016 055	195	8xM16	140	10.0	4.0
125	134 - 156	709 016 060	240	8xM16	140	10.0	4.0
150	168 - 191	709 016 065	250	8xM16	140	10.0	4.0
175	192 - 216	709 016 070	280	8xM16	140	10.0	4.0
200	220 - 253	709 016 075	315	8xM16	140	10.0	4.0
225	246 - 278	709 016 080	350	8xM16	140	10.0	4.0
250	265 - 293	709 016 085	360	8xM16	140	10.0	4.0
300	319 - 348	709 016 095	435	12xM16	140	10.0	4.0
325	344 - 372	709 016 100	435	12xM16	140	10.0	4.0
350	374 - 397	709 016 105	490	12xM16	140	10.0	4.0
400	424 - 453	709 016 110	545	16xM16	140	10.0	4.0
500	524 - 552	709 016 120	660	20xM16	140	10.0	4.0
600	627 - 655	709 016 130	775	20xM16	140	10.0	4.0
625	647 - 675	709 016 131	775	20xM16	140	10.0	4.0
700	735 - 767	709 016 135	895	20xM16	140	10.0	4.0

PF 1 54 325 008

WAL/V Double

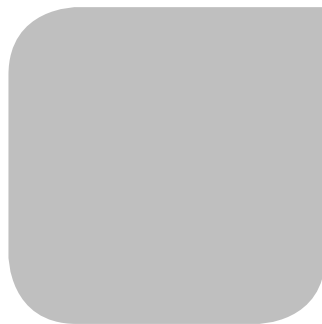


Model:

- Ductile Cast iron GGG40 body
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Gasket: NBR
- Stainless steel A2 quality (AISI 304) bolts, nuts and washers
- Suitable for usage in potable water or gas

DN [mm]	Range [mm]	NBR Code	b [mm]	e [mm]	bolt length [mm]	PN Water [bar]	PN Gas [bar]
80	90 - 114	709 016 701	175	8xM16	240	10.0	4.0
100	110 - 135	709 016 702	195	8xM16	240	10.0	4.0
125	134 - 156	709 016 703	240	8xM16	240	10.0	4.0
150	168 - 191	709 016 704	250	8xM16	240	10.0	4.0
175	192 - 216	709 016 705	280	8xM16	240	10.0	4.0
200	220 - 253	709 016 706	315	8xM16	240	10.0	4.0
225	246 - 278	709 016 707	350	8xM16	240	10.0	4.0
250	265 - 293	709 016 708	360	8xM16	240	10.0	4.0
300	319 - 348	709 016 710	435	12xM16	240	10.0	4.0
325	344 - 372	709 016 711	435	12xM16	240	10.0	4.0
350	374 - 397	709 016 712	490	12xM16	240	10.0	4.0
400	424 - 453	709 016 714	545	16xM16	240	10.0	4.0
500	524 - 552	709 016 715	660	20xM16	240	10.0	4.0
600	627 - 655	709 016 725	775	20xM16	240	10.0	4.0
625	647 - 675	709 016 727	775	20xM16	240	10.0	4.0
700	735 - 767	709 016 735	895	20xM16	240	10.0	4.0

PF 1 54 325 008



Multi/Saddle Plus

Multi/Saddle Plus

Multi/Saddle Plus 301

saddle range 60-355 mm (to be combined with straps)



Model:

- Ductile Cast iron GGG40 saddle head
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 (AISI 304) band with NBR protection
- Rubber inlay: EPDM for water and NBR for water and gas
- Forged brass insert and nut
- With temporary shut-off mechanism by means of spatula (See Multi/Saddle Plus Spatula)
- With direct PE connection by means of Push-Fit

outlet [mm]	EPDM Code	NBR Code	PN Water [bar]	PN Gas [bar]
25	709 613 752	709 613 852	16.0	5.0
32	709 613 754	709 613 854	16.0	5.0
40	709 613 756	709 613 856	16.0	5.0
50	709 613 758	709 613 858	16.0	5.0

PF 1 54 327 010

Multi/Saddle Plus 201

saddle range 60-355 mm (to be combined with straps)



Model:

- Ductile Cast iron GGG40 saddle head
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 (AISI 304) band with NBR protection
- Rubber inlay: EPDM for water and NBR for water and gas
- With temporary shut-off mechanism by means of spatula (See Multi/Saddle Plus Spatula)
- With female threaded outlet

Thread outlet [inch]	EPDM Code	NBR Code	PN Water [bar]	PN Gas [bar]
1	709 613 734	709 613 834	16.0	5.0
1 ¼	709 613 736	709 613 836	16.0	5.0
1 ½	709 613 738	709 613 838	16.0	5.0
2	709 613 740	709 613 840	16.0	5.0

PF 1 54 327 010



Multi/Saddle Plus 200 saddle range 60-355 mm (to be combined with straps)

Model:

- Ductile Cast iron GGG40 saddle head
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 (AISI 304) band with NBR protection
- Rubber inlay: EPDM for water
- With female threaded outlet

Thread outlet [inch]	EPDM Code	PN Water [bar]
1	709 613 714	16.0
1 ¼	709 613 716	16.0
1 ½	709 613 718	16.0
2	709 613 720	16.0

PF 1 54 327 010



Multi/Saddle Plus Straps (to be combined with saddle head)

Model:

- Stainless steel A2 (AISI 304) band with NBR protection
- The straps can be combined with all Multi/Saddle Plus types
- Weldfree design avoiding intergranular corrosion
- Range d60 - 355 mm
- Special packaging, flat labelled boxes for easy handling and identification
- Ready to install, studs and nuts in one package

Range [mm]	Code
60 - 80	709 613 930
70 - 90	709 613 932
90 - 110	709 613 934
110 - 130	709 613 936
130 - 150	709 613 938
145 - 165	709 613 940
160 - 180	709 613 942
175 - 195	709 613 944
190 - 210	709 613 946
205 - 225	709 613 948
220 - 240	709 613 950
235 - 255	709 613 952
250 - 270	709 613 954
270 - 290	709 613 956
285 - 305	709 613 958
300 - 320	709 613 960
315 - 335	709 613 962
335 - 355	709 613 964

PF 1 54 327 010



Multi/Saddle Plus Spatula

PF 1 54 327 010

Description	Code
spatula for saddle outlet 1" / d25 + d32	709 613 903
spatula for saddle outlet 1 1/4"	709 613 904
spatula for saddle outlet 1 1/2" / d40 + d50	709 613 905
spatula for saddle outlet 2"	709 613 906



PF 1 54 327 010

Multi/Saddle Plus Hot Tap Adapters

Description	Code
Hot Tap Adapter Multi/Saddle Plus 301 PE d25 x 1"	709 613 652
Hot Tap Adapter Multi/Saddle Plus 301 PE d32 x 1"	709 613 654
Hot Tap Adapter Multi/Saddle Plus 301 PE d40 x 1 1/2"	709 613 656
Hot Tap Adapter Multi/Saddle Plus 301 PE d50 x 1 1/2"	709 613 658
Hot Tap Adapter Multi/Saddle Plus 201 1" x 1"	709 613 634
Hot Tap Adapter Multi/Saddle Plus 201 1 1/2" x 1 1/2"	709 613 638
Hot Tap Adapter Multi/Saddle Plus 201 2" x 2"	709 613 640



Threaded extenders Multi/Saddle Plus 301

Model:

- For under pressure drilling of Multi/Saddle Plus 301 saddles
- Only to be combined with article number 709 702 006 (threaded adaptor 2")
- Creating insert height for spatula

PF 1 54 327 010

Description	Code
threaded extender d25 + d32	709 702 111
threaded extender d40 + d50	709 702 112



Threaded extenders Multi/Saddle Plus 201

Model:

- For under pressure drilling of Multi/Saddle Plus 201 saddles
- Only to be combined with article number 709 702 006 (threaded adaptor 2")
- Creating insert height for spatula

PF 1 54 327 010

Description	Code
threaded extender 2" x 1" (female x male)	709 702 107
threaded extender 2" x 1 1/4" (female x male)	709 702 108
threaded extender 2" x 1 1/2" (female x male)	709 702 109
threaded extender 2" x 2" (female x male)	709 702 110



Threaded adaptors

Model:

- adaptors for connecting drilling device W400 to saddle

Description	Code	
threaded adaptor 1/2"	709 702 001	
threaded adaptor 3/4"	709 702 002	
threaded adaptor 1"	709 702 003	
threaded adaptor 1 1/4"	709 702 004	
threaded adaptor 1 1/2"	709 702 005	
threaded adaptor 2"	709 702 006	

PF 1 54 326 005



W400 Drilling Device

W400 drilling device

Basic Drilling Device W400 including ratchet



PF 1 54 326 005

Description	Code
basic device including ratchet	709 700 000

Threaded adaptors

Model:

- adaptors for connecting drilling device W400 to saddle



PF 1 54 326 005

Description	Code
threaded adaptor 1/2"	709 702 001
threaded adaptor 3/4"	709 702 002
threaded adaptor 1"	709 702 003
threaded adaptor 1 1/4"	709 702 004
threaded adaptor 1 1/2"	709 702 005
threaded adaptor 2"	709 702 006



Threaded extenders Multi/Saddle Plus 301

Model:

- For under pressure drilling of Multi/Saddle Plus 301 saddles
- Only to be combined with article number 709 702 006 (threaded adaptor 2")
- Creating insert height for spatula

PF 1 54 327 010

Description	Code
threaded extender d25 + d32	709 702 111
threaded extender d40 + d50	709 702 112



Threaded extenders Multi/Saddle Plus 201

Model:

- For under pressure drilling of Multi/Saddle Plus 201 saddles
- Only to be combined with article number 709 702 006 (threaded adaptor 2")
- Creating insert height for spatula

PF 1 54 327 010

Description	Code
threaded extender 2" x 1" (female x male)	709 702 107
threaded extender 2" x 1 1/4" (female x male)	709 702 108
threaded extender 2" x 1 1/2" (female x male)	709 702 109
threaded extender 2" x 2" (female x male)	709 702 110



PF 1 54 326 005

Mandrels

Description	Code
hole saw mandrel 9/16 inch - 1 3/16 inch	709 701 260
hole saw mandrel 1 1/4 inch - 6 inch	709 701 261



PF 1 54 326 005

Cup drill Blu-mol HSS

Model:

- suitable for steel, PE, PVC and (ductile) cast iron

Inch	Description	Code
11/16	HSS bi-metal cutter 17,5 mm	709 810 511
3/4	HSS bi-metal cutter 19,1 mm	709 810 512
7/8	HSS bi-metal cutter 22,2 mm	709 810 514
15/16	HSS bi-metal cutter 23,8 mm	709 810 515
1	HSS bi-metal cutter 25,4 mm	709 810 516
1 1/8	HSS bi-metal cutter 28,6 mm	709 810 518
1 3/16	HSS bi-metal cutter 30,2 mm	709 810 519
1 1/4	HSS bi-metal cutter 31,8 mm	709 810 520
1 3/8	HSS bi-metal cutter 34,9 mm	709 810 522
1 7/16	HSS bi-metal cutter 36,5 mm	709 810 523
1 1/2	HSS bi-metal cutter 38,1 mm	709 810 524
1 3/4	HSS bi-metal cutter 44,5 mm	709 810 528
2	HSS bi-metal cutter 50,8 mm	709 810 532



PF 1 54 326 005

Cup drill Blu-mol Carbide tipped

Model:

- suitable for abrasive materials such as asbestos cement and cement lined (ductile) iron pipes

Inch	Description	Code
3/4	carbide tipped HSS bi-metal cutter 19,1 mm	709 810 612
7/8	carbide tipped HSS bi-metal cutter 22,2 mm	709 810 614
1	carbide tipped HSS bi-metal cutter 25,4 mm	709 810 616
1 1/8	carbide tipped HSS bi-metal cutter 28,6 mm	709 810 618
1 1/4	carbide tipped HSS bi-metal cutter 31,8 mm	709 810 620
1 3/8	carbide tipped HSS bi-metal cutter 34,9 mm	709 810 622
1 1/2	carbide tipped HSS bi-metal cutter 38,1 mm	709 810 624
1 3/4	carbide tipped HSS bi-metal cutter 44,5 mm	709 810 628
2	carbide tipped HSS bi-metal cutter 50,8 mm	709 810 632



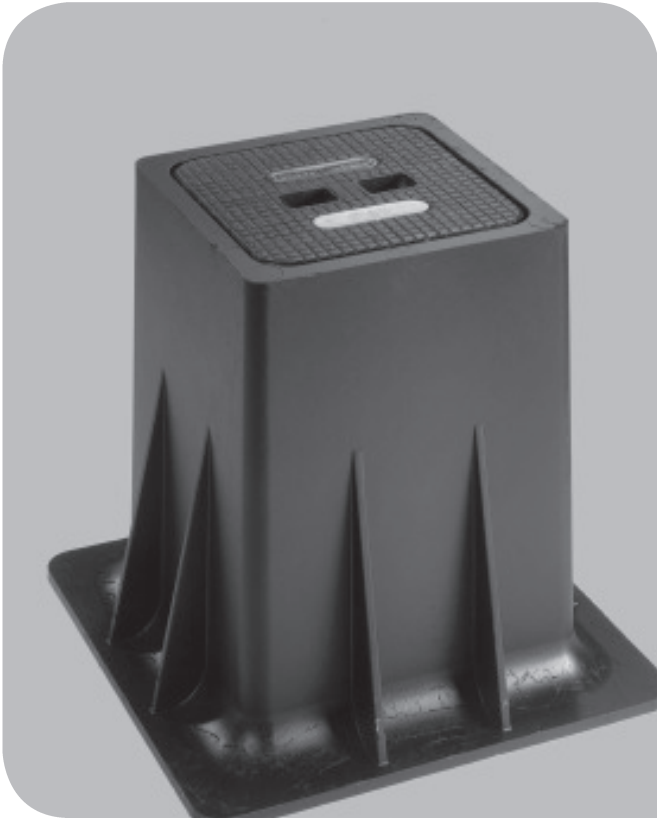
PF 1 54 326 005

Transport Case

Model:

- Including: case, wooden inlay, hex key 3 mm, hex key 6 mm and a screwdriver

Code
709 706 410

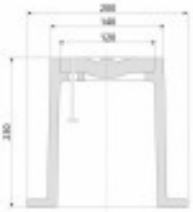


Plastic Street Covers

Plastic Street Covers

DP-140-230

square street cover for valves in distribution lines or house connection valves



PF 2 55 322 006

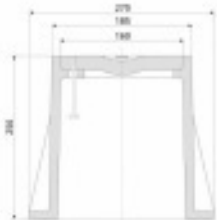
Model:

- Material housing: Glass Reinforced Polyester
- Material lid: cast iron GJL 200 according to EN 1561
- Finish lid: black painted (40-80 micron according to ISO 8062)
- Lid contains 2 text inlays: +GF+ and 1 optional (€ 0,43 per piece)
- Max. temperature: -20°C - +180°C
- Static load: 82,5 kN / 70 hours (NEN 7057)
- Drop test: no damages after 1 meter vertical drop

Type	Description	Code	
black street cover with black lid	with black inlay without text	200 005 047	
Type	Size		
black street cover with black lid	140 x 140 x 230 (LxWxH)		

VP-185-250

square street cover for valves in distribution and main lines

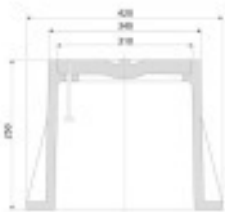


PF 2 55 322 006

Model:

- Material housing: Glass Reinforced Polyester
- Material lid: cast iron GJL 200 according to EN 1561
- Finish lid: black painted (40-80 micron according to ISO 8062)
- Lid contains 2 text inlays: +GF+ and 1 optional (€ 0,43 per piece)
- Max. temperature: -20°C - +180°C
- Static load: 82,5 kN / 70 hours (NEN 7057)
- Drop test: no damages after 1 meter vertical drop

Type	Description	Code	
black street cover with black lid BP-350-350 base plate	with black inlay without text for steady positioning	200 005 102 200 005 091	
Type	Size		
black street cover with black lid BP-350-350 base plate	185 x 185 x 250 (LxWxH) outside 350x350 mm, inside 185x185 mm		



BP 240-340-250

street cover for fire hydrants and valves in distribution and main lines

Model:

- Material housing: Glass Reinforced Polyester
- Material lid: cast iron GJL 200 according to EN 1561
- Finish lid: black painted (40-80 micron according to ISO 8062)
- Lid contains 2 text inlays: +GF+ and 1 optional (€ 0,43 per piece)
- Max. temperature: -20°C - +180°C
- Static load: 82,5 kN / 70 hours (NEN 7057)
- Drop test: no damages after 1 meter vertical drop

Type	Description	Code	
black street cover with black lid BP-350-350 base plate OR 240-340-80	with black inlay without text	200 005 130	
	for steady positioning	200 005 137	
	stackable mounting base	200 005 138	
Type	Size		
black street cover with black lid BP-350-350 base plate OR 240-340-80	240 x 340 x 250 (LxWxH) outside 350x350 mm, inside 185x185 mm		

PF 2 55 322 006



Accessories

MULTI/JOINT® Accessories

Insert fikser set, restraint

Model:

- Set contains 1 insert and 1 set of Multi/Fiksers® / Poly/Fiksers®
- Stainless steel A2 quality (AISI 304), optional A4 quality (AISI 316)
- Stainless steel A4 quality (AISI 316) Fiksers®
- Including sticker for correct marking
- For each MULTI/JOINT® socket, 1 set is needed
- For d50 - d75, always use a set of Multi/Fiksers®



d [mm]	SDR	Multi/Fiksers Code	Poly/Fiksers Code
50	11.0	709 027 203	-
50	17.6 / 17.0	709 027 206	-
63	11.0	709 027 211	-
63	17.6 / 17.0	709 027 214	-
75	11.0	709 027 220	-
75	17.6 / 17.0	709 027 223	-
90	11.0	709 027 230	709 028 230
90	17.6 / 17.0	709 027 233	709 028 233
110	11.0	709 027 242	709 028 242
110	17.6 / 17.0	709 027 245	709 028 245
125	11.0	709 027 254	709 028 254
125	17.6 / 17.0	709 027 257	709 028 257
140	11.0	709 027 266	709 028 266
140	17.6 / 17.0	709 027 269	709 028 269
160	11.0	709 027 278	709 028 278
160	17.6 / 17.0	709 027 281	709 028 281
180	11.0	709 027 290	709 028 290
180	17.0	709 027 408	709 028 408
180	17.6	709 027 293	709 028 293
200	11.0	709 027 302	709 028 302
200	17.0	709 027 409	709 028 409
200	17.6	709 027 305	709 028 305
225	11.0	709 027 314	709 028 314
225	17.0	709 027 410	709 028 410
225	17.6	709 027 317	709 028 317
250	11.0	709 027 326	709 028 326
250	17.0	709 027 411	709 028 411
250	17.6	709 027 329	709 028 329
280	11.0	709 027 338	709 028 338
280	17.0	709 027 412	709 028 412
280	17.6	709 027 341	709 028 341
315	11.0	709 027 350	709 028 350
315	17.0	709 027 413	709 028 413
315	17.6	709 027 353	709 028 353
355	11.0	709 027 362	709 028 362
355	17.0	709 027 414	709 028 414
355	17.6	709 027 365	709 028 365

PF 1 54 323 064



Insert stiffener Economy

Model:

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

PF 1 54 323 064



Insert stiffener with wedge

Model:

- Suitable for PE and PVC pipes
- Stainless steel A2 quality (AISI 304), optional A4 quality (AISI 316)
- Other dimensions available on request

d [mm]	SDR	L [mm]	Code
63	17.6	175	709 026 012
63	11.0	175	709 026 016
63	7.5	175	709 026 018
75	17.6	175	709 026 022
75	11.0	175	709 026 026
90	17.6	175	709 026 032
90	11.0	175	709 026 036
90	7.5	175	709 026 038
110	17.6	175	709 026 042
110	11.0	175	709 026 046
110	7.5	175	709 026 048
125	17.6	175	709 026 052
125	11.0	175	709 026 056
140	17.6	175	709 026 062
140	11.0	175	709 026 066
160	33.0	200	709 026 070
160	17.6	200	709 026 072
160	11.0	200	709 026 076
180	17.6	200	709 026 082
180	11.0	200	709 026 086
200	17.6	200	709 026 092
200	11.0	200	709 026 096
225	17.6	225	709 026 102
225	11.0	225	709 026 106
250	17.6	225	709 026 115
250	11.0	225	709 026 116
280	17.6	225	709 026 127
280	11.0	225	709 026 126
315	17.6	225	709 026 125
315	11.0	225	709 026 124
355	33.0	225	709 026 132
355	17.6	225	709 026 129
355	11.0	225	709 026 128
370	11.0	225	709 026 133
400	26.0	225	709 026 140
400	17.6	225	709 026 139
400	11.0	225	709 026 138
450	17.6	225	709 026 149
450	11.0	225	709 026 148
500	17.6	225	709 026 159
500	11.0	225	709 026 158
560	17.6	225	709 026 169
560	11.0	225	709 026 168
630	17.6	225	709 026 179
630	11.0	225	709 026 178
710	17.6	225	709 026 189
710	11.0	225	709 026 188
800	17.6	225	709 026 199
800	11.0	225	709 026 198

PF 1 54 323 065



Variofleks® ring

Model:

- Consists of Varioring® and Varioseal® (gasket)
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)

DN [mm]	Range [mm]	NBR Code	EPDM Code
50	46 - 70	709 390 010	709 390 110
65	69 - 90	709 390 012	709 390 112
80	84 - 105	709 390 014	709 390 114
100	104 - 132	709 390 016	709 390 116
125	132 - 155	709 390 018	709 390 118
150	154 - 192	709 390 020	709 390 120
200	192 - 232	709 390 024	709 390 124
225	232 - 257	709 390 026	709 390 126
250	267 - 310	709 390 028	709 390 128
300	315 - 356	709 390 032	709 390 132

PF 1 54 323 060



Variofiks® ring with Multi/Fiksers®

Model:

- Consists of Varioring® and Varioseal® (gasket) + Multi/Fiksers®
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- DN50 and DN65 also suitable for PE pipes
- Restraint on all pipe materials
- For best performance on PE use Variofiks® ring with Poly/Fiksers®
- For AC and GRP pipes please contact us

DN [mm]	Range [mm]	NBR Code	EPDM Code
50	46 - 70	709 597 210	709 597 610
65	69 - 90	709 597 212	709 597 612
80	84 - 105	709 597 214	709 597 614
100	104 - 132	709 597 216	709 597 616
125	132 - 155	709 597 218	709 597 618
150	154 - 192	709 597 220	709 597 620
200	192 - 232	709 597 224	709 597 624
225	232 - 257	709 597 226	709 597 626
250	267 - 310	709 597 228	709 597 628
300	315 - 356	709 597 232	709 597 632

PF 1 54 323 061



Variofiks® ring with Poly/Fiksers®

Model:

- Consists of Varioring® and Varioseal® (gasket) + Poly/Fiksers®
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- DN50 and DN65: see Variofiks® ring with Multi/Fiksers®
- For best restraint on all polyolefine pipes (PE, PP, ABS)

DN [mm]	Range [mm]	NBR Code	EPDM Code
80	84 - 105	709 599 214	709 599 614
100	104 - 132	709 599 216	709 599 616
125	132 - 155	709 599 218	709 599 618
150	154 - 192	709 599 220	709 599 620
200	192 - 232	709 599 224	709 599 624
225	232 - 257	709 599 226	709 599 626
250	267 - 310	709 599 228	709 599 628
300	315 - 356	709 599 232	709 599 632

PF 1 54 323 061



Multi/Fikser® set

Model:

- For each MULTI/JOINT® socket, 1 set is needed
- Stainless steel A4 quality (AISI 316) Fiksers®
- Including sticker for correct marking

DN [mm]	Range [mm]	Code
50	46 - 71	709 597 350
65	69 - 90	709 597 352
80	84 - 105	709 597 354
100	104 - 132	709 597 356
125	132 - 155	709 597 358
150	154 - 192	709 597 360
200	192 - 232	709 597 364
225	232 - 257	709 597 366
250	267 - 310	709 597 368
300	315 - 356	709 597 372

PF 1 54 323 061



Poly/Fikser® set

Model:

- For each MULTI/JOINT® socket, 1 set is needed
- Stainless steel A4 quality (AISI 316) Fiksers®
- Including sticker for correct marking
- DN50 and DN65: use Multi/Fikser® set

DN [mm]	Range [mm]	Code
80	84 - 105	709 599 354
100	104 - 132	709 599 356
125	132 - 155	709 599 358
150	154 - 192	709 599 360
200	192 - 232	709 599 364
225	232 - 257	709 599 366
250	267 - 310	709 599 368
300	315 - 356	709 599 372

PF 1 54 323 061



Bolts set MULTI/JOINT® 3000 - A2 quality

Model:

- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Set consisting of bolts, nuts and washers
- For each MULTI/JOINT® socket, 1 set is needed

DN [mm]	DN-DN [mm]	DN-DN-DN [mm]	M	Code
100	-	50 - 65 - 80	M12	700 618 940
	-	--	M16	700 618 942
	125 - 150	--	M16	700 618 944
300	-	200 - 225 - 250	M20	700 618 948
	-	--	M20	700 618 950

PF 1 54 323 063



Bolts set MULTI/JOINT® 3000 - A4 quality

Model:

- Stainless steel A4 quality (AISI 316) bolts, nuts and washers (optional: A2 quality)
- Set consisting of bolts, nuts and washers
- For each MULTI/JOINT® socket, 1 set is needed

DN [mm]	DN-DN [mm]	DN-DN-DN [mm]	M	Code
100	-	50 - 65 - 80	M12	700 618 910
	-	--	M16	700 618 912
	125 - 150	--	M16	700 618 914
300	-	200 - 225 - 250	M20	700 618 918
	-	--	M20	700 618 920

PF 1 54 323 063



Bolts set MULTI/JOINT® XL - A2 quality

Model:

- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Set consisting of bolts, nuts and washers
- For each MULTI/JOINT® socket, 1 set is needed

DN-DN [mm]	M	Code
300 - 350	M16	700 618 970
400 - 450	M16	700 618 972
500 - 550	M20	700 618 974
600 -	M20	700 618 976

PF 1 54 323 063



Rubber gasket for MULTI/JOINT® XL

Model:

- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)

DN [mm]	Range [mm]	NBR Code	EPDM Code
300	315 - 337	700 610 830	700 610 850
350	356 - 380	700 610 832	700 610 852
400	400 - 429	700 610 834	700 610 854
450	450 - 482	700 610 836	700 610 856
500	500 - 532	700 610 838	700 610 858
550	548 - 580	700 610 840	700 610 860
600	605 - 637	700 610 842	700 610 862

PF 1 54 323 062



RESICOAT® repair set

Model:

- To repair the coating of the fitting

Contents	Code
30cc	709 900 000

PF 1 54 329 012



Molykote Copper paste (CU-7439)

Model:

- To be used in case of re-using bolts
- To lubricate the thread of the stainless steel bolts

Contents	Code
100 g	709 900 001

PF 1 54 329 012



Silicone spray HR260

Model:

- Approved by the American "Food and Drug Association" under registration number "USA/FDA CFR" for use in products which are in contact with food

Contents	Code
300 ml	709 900 002

PF 1 54 329 012



Silicone paste

Model:

- For lubricating the coupling gasket on the pipe side
- Especially meant to reach an optimal sealing in gas installations

Contents	Code
15 g	709 900 003

PF 1 54 329 012



Ratchet spanner

Model:

- For easy nut tightening
- M12 for MULTI/JOINT® DN50, DN65 and DN80
- M16 for MULTI/JOINT® DN100, DN125 and DN150

Description	Code	
17x19 mm / M12	700 619 010	
22x24 mm / M16	700 619 012	

PF 1 54 329 012

index

Code	Page
108-128L200N	153
108-128L300N	153
108-128L400N	154
108-128L500N	155
118-138L200N	153
118-138L300N	153
118-138L400N	154
118-138L500N	155
133-153L200N	153
133-153L300N	153
133-153L400N	154
133-153L500N	155
143-163L200N	153
143-163L300N	153
143-163L400N	154
143-163L500N	155
160-180L200N	153
160-180L300N	153
160-180L400N	154
160-180L500N	155
180-200L200N	153
180-200L300N	153
180-200L400N	154
180-200L500N	155
190-210L200N	153
190-210L300N	153
190-210L400N	154
190-210L500N	155
200 005 047	172
200 005 091	172
200 005 102	172
200 005 130	173
200 005 137	173
200 005 138	173
210-230L200N	153
210-230L300N	153
210-230L400N	154
210-230L500N	155
230-250L200N	153
230-250L300N	153
230-250L400N	154
230-250L500N	155
240-260L200N	153
240-260L300N	153
240-260L400N	154
240-260L500N	155
250-270L200N	153
250-270L300N	153
250-270L400N	154
250-270L500N	155
270-290L200N	153
270-290L300N	153
270-290L400N	154
270-290L500N	155
290-310L200N	153
290-310L300N	153
290-310L400N	154
290-310L500N	155
315-335L300N	153
315-335L400N	154
315-335L500N	155
315-335L600N	155
335-355L300N	153
335-355L400N	154
335-355L500N	155
335-355L600N	155
700 610 830	182

Code	Page
700 610 832	182
700 610 834	182
700 610 836	182
700 610 838	182
700 610 840	182
700 610 842	182
700 610 850	182
700 610 852	182
700 610 854	182
700 610 856	182
700 610 858	182
700 610 860	182
700 610 862	182
700 618 910	181
700 618 912	181
700 618 914	181
700 618 918	181
700 618 920	181
700 618 940	181
700 618 942	181
700 618 944	181
700 618 948	181
700 618 950	181
700 618 970	181
700 618 972	181
700 618 974	181
700 618 976	181
700 619 010	183
700 619 012	183
709 006 000	64
709 006 005	64
709 006 007	64
709 006 010	64
709 006 015	64
709 006 200	64
709 006 205	64
709 006 207	64
709 006 210	64
709 006 215	64
709 006 300	64
709 006 305	64
709 006 307	64
709 006 310	64
709 006 315	64
709 006 600	64
709 006 605	64
709 006 607	64
709 006 610	64
709 006 615	64
709 007 005	66
709 007 010	66
709 007 015	66
709 007 205	66
709 007 210	66
709 007 215	66
709 007 305	66
709 007 310	66
709 007 315	66
709 007 605	66
709 007 610	66
709 007 615	66
709 008 050	67
709 008 055	65
709 008 060	65
709 008 062	67
709 008 064	65
709 008 066	67

Code	Page
709 008 070	65
709 008 250	67
709 008 255	65
709 008 260	65
709 008 262	67
709 008 264	65
709 008 266	67
709 008 270	65
709 008 350	67
709 008 355	65
709 008 360	65
709 008 362	67
709 008 364	65
709 008 366	67
709 008 370	65
709 008 650	67
709 008 655	65
709 008 660	65
709 008 662	67
709 008 664	65
709 008 666	67
709 008 670	65
709 016 053	160
709 016 055	160
709 016 060	160
709 016 065	160
709 016 070	160
709 016 075	160
709 016 080	160
709 016 085	160
709 016 095	160
709 016 100	160
709 016 105	160
709 016 110	160
709 016 120	160
709 016 130	160
709 016 131	160
709 016 135	160
709 016 701	160
709 016 702	160
709 016 703	160
709 016 704	160
709 016 705	160
709 016 706	160
709 016 707	160
709 016 708	160
709 016 710	160
709 016 711	160
709 016 712	160
709 016 714	160
709 016 715	160
709 016 725	160
709 016 727	160
709 016 735	160
709 026 012	178
709 026 016	178
709 026 018	178
709 026 022	178
709 026 026	178
709 026 032	178
709 026 036	178
709 026 038	178
709 026 042	178
709 026 046	178
709 026 048	178
709 026 052	178
709 026 056	178

index

Code	Page
709 026 062	178
709 026 066	178
709 026 070	178
709 026 072	178
709 026 076	178
709 026 082	178
709 026 086	178
709 026 092	178
709 026 096	178
709 026 102	178
709 026 106	178
709 026 115	178
709 026 116	178
709 026 124	178
709 026 125	178
709 026 126	178
709 026 127	178
709 026 128	178
709 026 129	178
709 026 132	178
709 026 133	178
709 026 138	178
709 026 139	178
709 026 140	178
709 026 148	178
709 026 149	178
709 026 158	178
709 026 159	178
709 026 168	178
709 026 169	178
709 026 178	178
709 026 179	178
709 026 188	178
709 026 189	178
709 026 198	178
709 026 199	178
709 026 203	177
709 026 206	177
709 026 211	177
709 026 214	177
709 026 217	177
709 026 220	177
709 026 223	177
709 026 227	177
709 026 230	177
709 026 233	177
709 026 236	177
709 026 238	177
709 026 242	177
709 026 245	177
709 026 248	177
709 026 250	177
709 026 254	177
709 026 257	177
709 026 266	177
709 026 269	177
709 026 278	177
709 026 281	177
709 026 284	177
709 026 286	177
709 026 290	177
709 026 293	177
709 026 302	177
709 026 305	177
709 026 308	177
709 026 310	177
709 026 314	177

Code	Page
709 026 317	177
709 026 326	177
709 026 329	177
709 026 332	177
709 026 334	177
709 026 338	177
709 026 340	177
709 026 341	177
709 026 350	177
709 026 353	177
709 026 356	177
709 026 358	177
709 026 362	177
709 026 365	177
709 026 408	177
709 026 409	177
709 026 410	177
709 026 411	177
709 026 413	177
709 026 414	177
709 026 415	177
709 027 203	176
709 027 206	176
709 027 211	176
709 027 214	176
709 027 220	176
709 027 223	176
709 027 230	176
709 027 233	176
709 027 242	176
709 027 245	176
709 027 254	176
709 027 257	176
709 027 266	176
709 027 269	176
709 027 278	176
709 027 281	176
709 027 290	176
709 027 293	176
709 027 302	176
709 027 305	176
709 027 314	176
709 027 317	176
709 027 326	176
709 027 329	176
709 027 338	176
709 027 341	176
709 027 350	176
709 027 353	176
709 027 362	176
709 027 365	176
709 027 408	176
709 027 409	176
709 027 410	176
709 027 411	176
709 027 412	176
709 027 413	176
709 027 414	176
709 028 230	176
709 028 233	176
709 028 242	176
709 028 245	176
709 028 254	176
709 028 257	176
709 028 266	176
709 028 269	176
709 028 278	176

Code	Page
709 028 281	176
709 028 290	176
709 028 293	176
709 028 302	176
709 028 305	176
709 028 314	176
709 028 317	176
709 028 326	176
709 028 329	176
709 028 338	176
709 028 341	176
709 028 350	176
709 028 353	176
709 028 362	176
709 028 365	176
709 028 408	176
709 028 409	176
709 028 410	176
709 028 411	176
709 028 412	176
709 028 413	176
709 028 414	176
709 050 011	120
709 050 012	120
709 050 013	120
709 050 014	120
709 050 015	120
709 050 016	120
709 050 017	120
709 050 018	120
709 050 019	120
709 050 020	120
709 050 021	120
709 050 022	120
709 050 023	120
709 050 024	120
709 050 025	120
709 050 026	120
709 050 027	120
709 050 028	120
709 050 101	121
709 050 102	121
709 050 103	121
709 050 104	121
709 050 105	121
709 050 106	121
709 050 107	121
709 050 108	121
709 050 109	121
709 050 110	121
709 050 113	121
709 050 114	121
709 050 115	121
709 050 121	121
709 050 122	121
709 050 123	121
709 050 124	121
709 050 125	121
709 050 128	121
709 050 131	121
709 050 132	121
709 050 135	121
709 050 136	121
709 050 137	121
709 050 139	121
709 050 140	121
709 050 143	121

index

Code	Page
709 050 145	121
709 050 146	121
709 050 148	121
709 050 149	121
709 050 150	121
709 050 153	121
709 050 154	121
709 050 192	121
709 050 195	121
709 051 101	122
709 051 103	122
709 051 106	122
709 051 109	122
709 051 110	122
709 051 115	122
709 051 122	122
709 051 124	122
709 051 125	122
709 051 128	122
709 051 136	122
709 051 145	122
709 051 146	122
709 051 149	122
709 051 150	122
709 051 153	122
709 200 210	116
709 200 212	116
709 200 214	116
709 200 216	116
709 200 218	116
709 200 222	116
709 200 226	116
709 200 230	116
709 200 234	116
709 207 010	116
709 207 012	116
709 207 014	116
709 207 016	116
709 207 018	116
709 207 022	116
709 207 026	116
709 207 030	116
709 207 034	116
709 207 210	116
709 207 212	116
709 207 214	116
709 207 216	116
709 207 218	116
709 207 222	116
709 207 226	116
709 207 230	116
709 207 234	116
709 250 210	117
709 250 212	117
709 250 214	117
709 250 216	117
709 250 218	117
709 250 222	117
709 250 225	117
709 250 226	117
709 250 229	117
709 250 230	117
709 250 233	117
709 250 234	117
709 257 010	117
709 257 012	117
709 257 014	117

Code	Page
709 257 016	117
709 257 018	117
709 257 022	117
709 257 025	117
709 257 026	117
709 257 029	117
709 257 030	117
709 257 033	117
709 257 034	117
709 257 210	117
709 257 212	117
709 257 214	117
709 257 216	117
709 257 218	117
709 257 222	117
709 257 225	117
709 257 226	117
709 257 229	117
709 257 230	117
709 257 233	117
709 257 234	117
709 300 010	6
709 300 012	6
709 300 014	6
709 300 016	6
709 300 018	6
709 300 020	6
709 300 024	6
709 300 026	6
709 300 028	6
709 300 032	6
709 300 210	6
709 300 212	6
709 300 214	6
709 300 216	6
709 300 218	6
709 300 220	6
709 300 224	6
709 300 226	6
709 300 228	6
709 300 232	6
709 300 310	6
709 300 312	6
709 300 314	6
709 300 316	6
709 300 318	6
709 300 320	6
709 300 324	6
709 300 326	6
709 300 328	6
709 300 332	6
709 300 610	6
709 300 612	6
709 300 614	6
709 300 616	6
709 300 618	6
709 300 620	6
709 300 624	6
709 300 626	6
709 300 628	6
709 300 632	6
709 301 024	52
709 301 026	52
709 301 028	52
709 301 032	52
709 301 224	52
709 301 226	52

Code	Page
709 301 228	52
709 301 232	52
709 301 324	52
709 301 326	52
709 301 328	52
709 301 332	52
709 301 624	52
709 301 626	52
709 301 628	52
709 301 632	52
709 305 024	52
709 305 026	52
709 305 028	52
709 305 032	52
709 305 224	52
709 305 226	52
709 305 228	52
709 305 232	52
709 305 324	52
709 305 326	52
709 305 328	52
709 305 332	52
709 305 624	52
709 305 626	52
709 305 628	52
709 305 632	52
709 307 010	7
709 307 012	7
709 307 014	7
709 307 016	7
709 307 018	7
709 307 020	7
709 307 024	7
709 307 026	7
709 307 028	7
709 307 032	7
709 307 210	7
709 307 212	7
709 307 214	7
709 307 216	7
709 307 218	7
709 307 220	7
709 307 224	7
709 307 226	7
709 307 228	7
709 307 232	7
709 307 310	7
709 307 312	7
709 307 314	7
709 307 316	7
709 307 318	7
709 307 320	7
709 307 324	7
709 307 326	7
709 307 328	7
709 307 332	7
709 307 610	7
709 307 612	7
709 307 614	7
709 307 616	7
709 307 618	7
709 307 620	7
709 307 624	7
709 307 626	7
709 307 628	7
709 307 632	7
709 308 014	9

index

Code	Page
709 308 016	9
709 308 018	9
709 308 020	9
709 308 024	9
709 308 026	9
709 308 028	9
709 308 032	9
709 308 214	9
709 308 216	9
709 308 218	9
709 308 220	9
709 308 224	9
709 308 226	9
709 308 228	9
709 308 232	9
709 308 314	9
709 308 316	9
709 308 318	9
709 308 320	9
709 308 324	9
709 308 326	9
709 308 328	9
709 308 332	9
709 308 614	9
709 308 616	9
709 308 618	9
709 308 620	9
709 308 624	9
709 308 626	9
709 308 628	9
709 308 632	9
709 309 014	8
709 309 016	8
709 309 018	8
709 309 020	8
709 309 024	8
709 309 026	8
709 309 028	8
709 309 032	8
709 309 214	8
709 309 216	8
709 309 218	8
709 309 220	8
709 309 224	8
709 309 226	8
709 309 228	8
709 309 232	8
709 309 314	8
709 309 316	8
709 309 318	8
709 309 320	8
709 309 324	8
709 309 326	8
709 309 328	8
709 309 332	8
709 309 614	8
709 309 616	8
709 309 618	8
709 309 620	8
709 309 624	8
709 309 626	8
709 309 628	8
709 309 632	8
709 330 010	45
709 330 016	45
709 330 020	45
709 330 029	45

Code	Page
709 330 210	45
709 330 216	45
709 330 220	45
709 330 229	45
709 330 310	45
709 330 316	45
709 330 320	45
709 330 329	45
709 330 610	45
709 330 616	45
709 330 620	45
709 330 629	45
709 331 029	61
709 331 229	61
709 331 329	61
709 331 629	61
709 335 029	61
709 335 229	61
709 335 329	61
709 335 629	61
709 337 010	46
709 337 016	46
709 337 020	46
709 337 029	46
709 337 210	46
709 337 216	46
709 337 220	46
709 337 229	46
709 337 310	46
709 337 316	46
709 337 320	46
709 337 329	46
709 337 610	46
709 337 616	46
709 337 620	46
709 337 629	46
709 339 010	47
709 339 016	47
709 339 020	47
709 339 029	47
709 339 210	47
709 339 216	47
709 339 220	47
709 339 229	47
709 339 310	47
709 339 316	47
709 339 320	47
709 339 329	47
709 339 610	47
709 339 616	47
709 339 620	47
709 339 629	47
709 340 024	48
709 340 224	48
709 340 324	48
709 340 624	48
709 347 024	48
709 347 224	48
709 347 324	48
709 347 624	48
709 349 024	49
709 349 224	49
709 349 324	49
709 349 624	49
709 350 010	10
709 350 012	10
709 350 014	10

Code	Page
709 350 016	10
709 350 018	10
709 350 020	10
709 350 024	10
709 350 025	10
709 350 028	10
709 350 029	10
709 350 032	10
709 350 033	10
709 350 210	10
709 350 212	10
709 350 214	10
709 350 216	10
709 350 218	10
709 350 220	10
709 350 224	10
709 350 225	10
709 350 228	10
709 350 229	10
709 350 232	10
709 350 233	10
709 350 310	10
709 350 312	10
709 350 314	10
709 350 316	10
709 350 318	10
709 350 320	10
709 350 324	10
709 350 325	10
709 350 328	10
709 350 329	10
709 350 332	10
709 350 333	10
709 350 610	10
709 350 612	10
709 350 614	10
709 350 616	10
709 350 618	10
709 350 620	10
709 350 624	10
709 350 625	10
709 350 628	10
709 350 629	10
709 350 632	10
709 350 633	10
709 351 024	53
709 351 025	53
709 351 028	53
709 351 029	53
709 351 032	53
709 351 033	53
709 351 224	53
709 351 225	53
709 351 228	53
709 351 229	53
709 351 232	53
709 351 233	53
709 351 324	53
709 351 325	53
709 351 328	53
709 351 329	53
709 351 332	53
709 351 333	53
709 351 624	53
709 351 625	53
709 351 628	53
709 351 629	53

index

Code	Page
709 351 632	53
709 351 633	53
709 355 024	54
709 355 025	54
709 355 028	54
709 355 029	54
709 355 032	54
709 355 033	54
709 355 224	54
709 355 225	54
709 355 228	54
709 355 229	54
709 355 232	54
709 355 233	54
709 355 324	54
709 355 325	54
709 355 328	54
709 355 329	54
709 355 332	54
709 355 333	54
709 355 624	54
709 355 625	54
709 355 628	54
709 355 629	54
709 355 632	54
709 355 633	54
709 357 010	11
709 357 012	11
709 357 014	11
709 357 016	11
709 357 018	11
709 357 020	11
709 357 024	11
709 357 025	11
709 357 028	11
709 357 029	11
709 357 032	11
709 357 033	11
709 357 210	11
709 357 212	11
709 357 214	11
709 357 216	11
709 357 218	11
709 357 220	11
709 357 224	11
709 357 225	11
709 357 228	11
709 357 229	11
709 357 232	11
709 357 233	11
709 357 310	11
709 357 312	11
709 357 314	11
709 357 316	11
709 357 318	11
709 357 320	11
709 357 324	11
709 357 325	11
709 357 328	11
709 357 329	11
709 357 332	11
709 357 333	11
709 357 610	11
709 357 612	11
709 357 614	11
709 357 616	11
709 357 618	11

Code	Page
709 357 620	11
709 357 624	11
709 357 625	11
709 357 628	11
709 357 629	11
709 357 632	11
709 357 633	11
709 359 014	12
709 359 016	12
709 359 018	12
709 359 020	12
709 359 024	12
709 359 025	12
709 359 028	12
709 359 029	12
709 359 032	12
709 359 033	12
709 359 214	12
709 359 216	12
709 359 218	12
709 359 220	12
709 359 224	12
709 359 225	12
709 359 228	12
709 359 229	12
709 359 232	12
709 359 233	12
709 359 314	12
709 359 316	12
709 359 318	12
709 359 320	12
709 359 324	12
709 359 325	12
709 359 328	12
709 359 329	12
709 359 332	12
709 359 333	12
709 359 614	12
709 359 616	12
709 359 618	12
709 359 620	12
709 359 624	12
709 359 625	12
709 359 628	12
709 359 629	12
709 359 632	12
709 359 633	12
709 370 010	21
709 370 012	21
709 370 014	21
709 370 016	21
709 370 018	21
709 370 020	21
709 370 024	21
709 370 026	21
709 370 028	21
709 370 032	21
709 370 210	21
709 370 212	21
709 370 214	21
709 370 216	21
709 370 218	21
709 370 220	21
709 370 224	21
709 370 226	21
709 370 228	21
709 370 232	21

Code	Page
709 370 310	21
709 370 312	21
709 370 314	21
709 370 316	21
709 370 318	21
709 370 320	21
709 370 324	21
709 370 326	21
709 370 328	21
709 370 332	21
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709 377 010	22
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709 377 028	22
709 377 032	22
709 377 210	22
709 377 212	22
709 377 214	22
709 377 216	22
709 377 218	22

index

Code	Page
709 377 220	22
709 377 224	22
709 377 226	22
709 377 228	22
709 377 232	22
709 377 310	22
709 377 312	22
709 377 314	22
709 377 316	22
709 377 318	22
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709 380 007	24
709 380 008	24
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709 380 012	24
709 380 013	24

Code	Page
709 380 014	24
709 380 015	24
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709 380 229	24
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Code	Page
709 380 231	24
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709 380 345	25
709 380 346	25
709 380 347	25

index

Code	Page
709 380 348	25
709 380 349	24
709 380 350	24
709 380 351	24
709 380 352	24
709 380 353	24
709 380 604	24
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709 381 043	59
709 381 044	59

Code	Page
709 381 045	59
709 381 046	59
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Code	Page
709 381 652	59
709 381 653	59
709 385 034	60
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709 385 634	60
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709 385 637	60
709 385 638	60

index

Code	Page
709 387 640	26
709 387 641	26
709 387 642	26
709 387 643	27
709 387 644	27
709 387 645	27
709 387 646	27
709 387 647	27
709 387 648	27
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709 387 650	26
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709 389 014	28
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709 389 225	28
709 389 226	28

Code	Page
709 389 227	28
709 389 228	28
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709 389 351	28
709 389 352	28
709 389 353	28

Code	Page
709 389 614	28
709 389 615	28
709 389 616	28
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709 390 110	179
709 390 112	179
709 390 114	179
709 390 116	179
709 390 118	179
709 390 120	179
709 390 124	179
709 390 126	179
709 390 128	179
709 390 132	179
709 400 018	13
709 400 020	13
709 400 024	13
709 400 032	13
709 400 036	13
709 400 038	13
709 400 048	13

index

Code	Page
709 400 078	13
709 400 082	13
709 400 086	13
709 400 218	13
709 400 220	13
709 400 224	13
709 400 232	13
709 400 236	13
709 400 238	13
709 400 248	13
709 400 278	13
709 400 282	13
709 400 286	13
709 400 318	13
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709 405 386	55
709 405 648	55
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709 405 682	55
709 405 686	55
709 406 024	17
709 406 032	17

Code	Page
709 406 036	17
709 406 038	17
709 406 048	17
709 406 078	17
709 406 082	17
709 406 086	17
709 406 224	17
709 406 232	17
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709 407 620	14
709 407 624	14
709 407 632	14
709 407 636	14
709 407 638	14
709 407 648	14

Code	Page
709 407 678	14
709 407 682	14
709 407 686	14
709 408 024	15
709 408 032	15
709 408 036	15
709 408 038	15
709 408 048	15
709 408 078	15
709 408 082	15
709 408 086	15
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709 409 378	16
709 409 382	16
709 409 386	16
709 409 624	16
709 409 632	16
709 409 636	16
709 409 638	16
709 409 648	16
709 409 678	16
709 409 682	16
709 409 686	16

index

Code	Page
709 450 008	18
709 450 018	18
709 450 024	18
709 450 032	18
709 450 038	18
709 450 078	18
709 450 079	18
709 450 080	18
709 450 081	18
709 450 208	18
709 450 218	18
709 450 224	18
709 450 232	18
709 450 238	18
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709 450 632	18
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709 455 281	57
709 455 378	57
709 455 379	57
709 455 380	57
709 455 381	57
709 455 678	57
709 455 679	57
709 455 680	57

Code	Page
709 455 681	57
709 457 008	19
709 457 018	19
709 457 024	19
709 457 032	19
709 457 038	19
709 457 078	19
709 457 079	19
709 457 080	19
709 457 081	19
709 457 208	19
709 457 218	19
709 457 224	19
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709 459 678	20
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709 459 680	20
709 459 681	20
709 470 014	34
709 470 016	34

Code	Page
709 470 020	34
709 470 214	34
709 470 216	34
709 470 220	34
709 470 314	34
709 470 316	34
709 470 320	34
709 470 614	34
709 470 616	34
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709 477 014	34
709 477 016	34
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709 477 320	34
709 477 614	34
709 477 616	34
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709 478 014	35
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709 478 214	35
709 478 216	35
709 478 220	35
709 478 314	35
709 478 316	35
709 478 320	35
709 478 614	35
709 478 616	35
709 478 620	35
709 479 014	35
709 479 016	35
709 479 020	35
709 479 214	35
709 479 216	35
709 479 220	35
709 479 314	35
709 479 316	35
709 479 320	35
709 479 614	35
709 479 616	35
709 479 620	35
709 480 004	36
709 480 005	36
709 480 006	36
709 480 007	36
709 480 008	36
709 480 013	36
709 480 014	36
709 480 015	36
709 480 016	36
709 480 017	36
709 480 018	36
709 480 019	36
709 480 204	36
709 480 205	36
709 480 206	36
709 480 207	36
709 480 208	36
709 480 213	36
709 480 214	36
709 480 215	36
709 480 216	36

index

Code	Page
709 480 217	36
709 480 218	36
709 480 219	36
709 480 304	36
709 480 305	36
709 480 306	36
709 480 307	36
709 480 308	36
709 480 313	36
709 480 314	36
709 480 315	36
709 480 316	36
709 480 317	36
709 480 318	36
709 480 319	36
709 480 604	36
709 480 605	36
709 480 606	36
709 480 607	36
709 480 608	36
709 480 613	36
709 480 614	36
709 480 615	36
709 480 616	36
709 480 617	36
709 480 618	36
709 480 619	36
709 487 004	37
709 487 005	37
709 487 006	37
709 487 007	37
709 487 008	37
709 487 013	37
709 487 014	37
709 487 015	37
709 487 016	37
709 487 017	37
709 487 018	37
709 487 019	37
709 487 204	37
709 487 205	37
709 487 206	37
709 487 207	37
709 487 208	37
709 487 213	37
709 487 214	37
709 487 215	37
709 487 216	37
709 487 217	37
709 487 218	37
709 487 219	37
709 487 304	37
709 487 305	37
709 487 306	37
709 487 307	37
709 487 308	37
709 487 313	37
709 487 314	37
709 487 315	37
709 487 316	37
709 487 317	37
709 487 318	37
709 487 319	37
709 487 604	37
709 487 605	37
709 487 606	37
709 487 607	37

Code	Page
709 487 608	37
709 487 613	37
709 487 614	37
709 487 615	37
709 487 616	37
709 487 617	37
709 487 618	37
709 487 619	37
709 489 004	38
709 489 005	38
709 489 006	38
709 489 007	38
709 489 008	38
709 489 013	38
709 489 014	38
709 489 015	38
709 489 016	38
709 489 017	38
709 489 018	38
709 489 019	38
709 489 204	38
709 489 205	38
709 489 206	38
709 489 207	38
709 489 208	38
709 489 213	38
709 489 214	38
709 489 215	38
709 489 216	38
709 489 217	38
709 489 218	38
709 489 219	38
709 489 304	38
709 489 305	38
709 489 306	38
709 489 307	38
709 489 308	38
709 489 313	38
709 489 314	38
709 489 315	38
709 489 316	38
709 489 317	38
709 489 318	38
709 489 319	38
709 489 604	38
709 489 605	38
709 489 606	38
709 489 607	38
709 489 608	38
709 489 613	38
709 489 614	38
709 489 615	38
709 489 616	38
709 489 617	38
709 489 618	38
709 489 619	38
709 490 013	39
709 490 014	39
709 490 015	39
709 490 016	39
709 490 017	39
709 490 018	39
709 490 019	39
709 490 020	39
709 490 021	39
709 490 022	39
709 490 023	39

Code	Page
709 490 024	39
709 490 038	39
709 490 039	39
709 490 040	39
709 490 041	39
709 490 042	39
709 490 043	39
709 490 213	39
709 490 214	39
709 490 215	39
709 490 216	39
709 490 217	39
709 490 218	39
709 490 219	39
709 490 220	39
709 490 221	39
709 490 222	39
709 490 223	39
709 490 224	39
709 490 238	39
709 490 239	39
709 490 240	39
709 490 241	39
709 490 242	39
709 490 243	39
709 490 313	39
709 490 314	39
709 490 315	39
709 490 316	39
709 490 317	39
709 490 318	39
709 490 319	39
709 490 320	39
709 490 321	39
709 490 322	39
709 490 323	39
709 490 324	39
709 490 338	39
709 490 339	39
709 490 340	39
709 490 341	39
709 490 342	39
709 490 343	39
709 490 613	39
709 490 614	39
709 490 615	39
709 490 616	39
709 490 617	39
709 490 618	39
709 490 619	39
709 490 620	39
709 490 621	39
709 490 622	39
709 490 623	39
709 490 624	39
709 490 638	39
709 490 639	39
709 490 640	39
709 490 641	39
709 490 642	39
709 490 643	39
709 497 013	41
709 497 014	41
709 497 015	41
709 497 016	41
709 497 017	41
709 497 018	41

index

Code	Page
709 497 019	41
709 497 020	41
709 497 021	41
709 497 022	41
709 497 023	41
709 497 024	41
709 497 038	41
709 497 039	41
709 497 040	41
709 497 041	41
709 497 042	41
709 497 043	41
709 497 213	41
709 497 214	41
709 497 215	41
709 497 216	41
709 497 217	41
709 497 218	41
709 497 219	41
709 497 220	41
709 497 221	41
709 497 222	41
709 497 223	41
709 497 224	41
709 497 238	41
709 497 239	41
709 497 240	41
709 497 241	41
709 497 242	41
709 497 243	41
709 497 313	41
709 497 314	41
709 497 315	41
709 497 316	41
709 497 317	41
709 497 318	41
709 497 319	41
709 497 320	41
709 497 321	41
709 497 322	41
709 497 323	41
709 497 324	41
709 497 338	41
709 497 339	41
709 497 340	41
709 497 341	41
709 497 342	41
709 497 343	41
709 497 613	41
709 497 614	41
709 497 615	41
709 497 616	41
709 497 617	41
709 497 618	41
709 497 619	41
709 497 620	41
709 497 621	41
709 497 622	41
709 497 623	41
709 497 624	41
709 497 638	41
709 497 639	41
709 497 640	41
709 497 641	41
709 497 642	41
709 497 643	41
709 499 013	43

Code	Page
709 499 014	43
709 499 015	43
709 499 016	43
709 499 017	43
709 499 018	43
709 499 019	43
709 499 020	43
709 499 021	43
709 499 022	43
709 499 023	43
709 499 024	43
709 499 038	43
709 499 039	43
709 499 040	43
709 499 041	43
709 499 042	43
709 499 043	43
709 499 213	43
709 499 214	43
709 499 215	43
709 499 216	43
709 499 217	43
709 499 218	43
709 499 219	43
709 499 220	43
709 499 221	43
709 499 222	43
709 499 223	43
709 499 224	43
709 499 238	43
709 499 239	43
709 499 240	43
709 499 241	43
709 499 242	43
709 499 243	43
709 499 313	43
709 499 314	43
709 499 315	43
709 499 316	43
709 499 317	43
709 499 318	43
709 499 319	43
709 499 320	43
709 499 321	43
709 499 322	43
709 499 323	43
709 499 324	43
709 499 338	43
709 499 339	43
709 499 340	43
709 499 341	43
709 499 342	43
709 499 343	43
709 499 613	43
709 499 614	43
709 499 615	43
709 499 616	43
709 499 617	43
709 499 618	43
709 499 619	43
709 499 620	43
709 499 621	43
709 499 622	43
709 499 623	43
709 499 624	43
709 499 638	43
709 499 639	43

Code	Page
709 499 640	43
709 499 641	43
709 499 642	43
709 499 643	43
709 500 026	30
709 500 034	30
709 500 226	30
709 500 234	30
709 500 326	30
709 500 334	30
709 500 626	30
709 500 634	30
709 507 026	31
709 507 034	31
709 507 226	31
709 507 234	31
709 507 326	31
709 507 334	31
709 507 626	31
709 507 634	31
709 508 026	33
709 508 034	33
709 508 226	33
709 508 234	33
709 508 326	33
709 508 334	33
709 508 626	33
709 508 634	33
709 509 026	32
709 509 034	32
709 509 226	32
709 509 234	32
709 509 326	32
709 509 334	32
709 509 626	32
709 509 634	32
709 597 210	179
709 597 212	179
709 597 214	179
709 597 216	179
709 597 218	179
709 597 220	179
709 597 224	179
709 597 226	179
709 597 228	179
709 597 232	179
709 597 350	180
709 597 352	180
709 597 354	180
709 597 356	180
709 597 358	180
709 597 360	180
709 597 364	180
709 597 366	180
709 597 368	180
709 597 372	180
709 597 610	179
709 597 612	179
709 597 614	179
709 597 616	179
709 597 618	179
709 597 620	179
709 597 624	179
709 597 626	179
709 597 628	179
709 597 632	179
709 599 214	180

index

Code	Page
709 599 216	180
709 599 218	180
709 599 220	180
709 599 224	180
709 599 226	180
709 599 228	180
709 599 232	180
709 599 354	180
709 599 356	180
709 599 358	180
709 599 360	180
709 599 364	180
709 599 366	180
709 599 368	180
709 599 372	180
709 599 614	180
709 599 616	180
709 599 618	180
709 599 620	180
709 599 624	180
709 599 626	180
709 599 628	180
709 599 632	180
709 613 634	164
709 613 638	164
709 613 640	164
709 613 652	164
709 613 654	164
709 613 656	164
709 613 658	164
709 613 714	163
709 613 716	163
709 613 718	163
709 613 720	163
709 613 734	162
709 613 736	162
709 613 738	162
709 613 740	162
709 613 752	162
709 613 754	162
709 613 756	162
709 613 758	162
709 613 834	162
709 613 836	162
709 613 838	162
709 613 840	162
709 613 852	162
709 613 854	162
709 613 856	162
709 613 858	162
709 613 903	164
709 613 904	164
709 613 905	164
709 613 906	164
709 613 930	163
709 613 932	163
709 613 934	163
709 613 936	163
709 613 938	163
709 613 940	163
709 613 942	163
709 613 944	163
709 613 946	163
709 613 948	163
709 613 950	163
709 613 952	163
709 613 954	163

Code	Page
709 613 956	163
709 613 958	163
709 613 960	163
709 613 962	163
709 613 964	163
709 700 000	168
709 701 260	169
709 701 261	169
709 702 001	165
709 702 002	165
709 702 003	165
709 702 004	165
709 702 005	165
709 702 006	165
709 702 107	164
709 702 108	164
709 702 109	164
709 702 110	164
709 702 111	164
709 702 112	164
709 706 410	169
709 810 511	169
709 810 512	169
709 810 514	169
709 810 515	169
709 810 516	169
709 810 518	169
709 810 519	169
709 810 520	169
709 810 522	169
709 810 523	169
709 810 524	169
709 810 528	169
709 810 532	169
709 810 612	169
709 810 614	169
709 810 616	169
709 810 618	169
709 810 620	169
709 810 622	169
709 810 624	169
709 810 628	169
709 810 632	169
709 900 000	182
709 900 001	182
709 900 002	182
709 900 003	182
724 201 061	147
724 201 062	147
724 201 063	148
724 201 073	147
724 201 074	147
724 201 075	148
724 201 076	148
724 201 097	147
724 201 098	147
724 201 099	148
724 201 100	148
724 201 101	149
724 201 102	149
724 201 133	147
724 201 134	147
724 201 135	148
724 201 136	148
724 201 137	149
724 201 138	149
724 201 169	147

Code	Page
724 201 170	147
724 201 171	148
724 201 172	148
724 201 173	149
724 201 174	149
724 201 193	147
724 201 194	147
724 201 195	148
724 201 196	148
724 201 197	149
724 201 198	149
724 201 205	147
724 201 206	147
724 201 207	148
724 201 208	148
724 201 209	149
724 201 210	149
724 201 217	147
724 201 218	147
724 201 219	148
724 201 220	148
724 201 221	149
724 201 222	149
724 201 229	147
724 201 230	147
724 201 231	148
724 201 232	148
724 201 233	149
724 201 234	149
724 201 253	147
724 201 254	147
724 201 255	148
724 201 256	148
724 201 257	149
724 201 258	149
724 201 589	150
724 201 590	150
724 201 591	151
724 201 601	150
724 201 602	150
724 201 603	151
724 201 604	151
724 201 613	150
724 201 614	150
724 201 615	151
724 201 616	151
724 201 617	152
724 201 618	152
724 201 625	150
724 201 626	150
724 201 627	151
724 201 628	151
724 201 629	152
724 201 630	152
724 201 637	150
724 201 638	150
724 201 639	151
724 201 640	151
724 201 641	152
724 201 642	152
724 201 649	150
724 201 650	150
724 201 651	151
724 201 652	151
724 201 653	152
724 201 654	152
724 201 661	150

index

Code	Page
724 201 662	150
724 201 663	151
724 201 664	151
724 201 665	152
724 201 666	152
724 201 673	150
724 201 674	150
724 201 675	151
724 201 676	151
724 201 677	152
724 201 678	152
724 201 685	150
724 201 686	150
724 201 687	151
724 201 688	151
724 201 689	152
724 201 690	152
724 201 697	150
724 201 698	150
724 201 699	151
724 201 700	151
724 201 701	152
724 201 702	152
724 208 010	124
724 208 011	125
724 208 012	126
724 208 019	124
724 208 020	125
724 208 021	126
724 208 028	124
724 208 029	125
724 208 030	126
724 208 037	124
724 208 038	125
724 208 039	126
724 208 046	124
724 208 047	125
724 208 048	126
724 208 055	124
724 208 056	125
724 208 057	126
724 208 064	124
724 208 065	125
724 208 066	126
724 208 073	124
724 208 074	125
724 208 075	126
724 208 082	124
724 208 083	125
724 208 084	126
724 208 091	124
724 208 092	125
724 208 093	126
724 208 100	124
724 208 101	125
724 208 102	126
724 208 109	124
724 208 110	125
724 208 111	126
724 208 118	124
724 208 119	125
724 208 120	126
724 208 127	124
724 208 128	125
724 208 129	126
724 208 136	124
724 208 137	125

Code	Page
724 208 138	126
724 208 145	124
724 208 146	125
724 208 147	126
724 208 154	124
724 208 155	125
724 208 156	126
724 208 163	124
724 208 164	125
724 208 165	126
724 208 172	124
724 208 173	125
724 208 174	126
724 208 181	124
724 208 182	125
724 208 183	126
724 208 190	124
724 208 191	125
724 208 192	126
724 208 199	124
724 208 200	125
724 208 201	126
724 208 208	124
724 208 209	125
724 208 210	126
724 208 217	124
724 208 218	125
724 208 219	126
724 208 226	124
724 208 227	125
724 208 228	126
724 208 235	124
724 208 236	125
724 208 237	126
724 208 244	124
724 208 245	125
724 208 246	126
724 208 253	124
724 208 254	125
724 208 255	126
724 208 262	124
724 208 263	125
724 208 264	126
724 208 271	124
724 208 272	125
724 208 273	126
724 208 280	124
724 208 281	125
724 208 282	126
724 208 289	124
724 208 290	125
724 208 291	126
724 208 298	124
724 208 299	125
724 208 300	126
724 208 307	124
724 208 308	125
724 208 309	126
724 209 010	127
724 209 019	127
724 209 028	127
724 209 037	127
724 209 046	127
724 209 055	127
724 209 064	127
724 209 065	128
724 209 073	127

Code	Page
724 209 074	128
724 209 082	127
724 209 083	128
724 209 091	127
724 209 092	128
724 209 100	127
724 209 101	128
724 209 109	127
724 209 110	128
724 209 118	127
724 209 119	128
724 209 127	127
724 209 128	128
724 209 136	127
724 209 137	128
724 209 145	127
724 209 146	128
724 209 147	129
724 209 154	127
724 209 155	128
724 209 156	129
724 209 163	127
724 209 164	128
724 209 165	129
724 209 172	127
724 209 173	128
724 209 174	129
724 209 181	127
724 209 182	128
724 209 183	129
724 209 190	127
724 209 191	128
724 209 192	129
724 209 199	127
724 209 200	128
724 209 201	129
724 209 209	128
724 209 210	129
724 209 218	128
724 209 219	129
724 209 227	128
724 209 228	129
724 209 236	128
724 209 237	129
724 209 245	128
724 209 246	129
724 209 254	128
724 209 255	129
724 209 263	128
724 209 264	129
724 209 272	128
724 209 273	129
724 209 281	128
724 209 282	129
724 209 291	129
724 209 300	129
724 209 309	129
724 209 318	129
724 211 010	130
724 211 011	130
724 211 026	130
724 211 027	130
724 211 042	130
724 211 043	130
724 211 058	130
724 211 059	130
724 211 075	130

index

Code	Page
724 211 076	131
724 211 091	130
724 211 092	131
724 211 107	130
724 211 108	131
724 211 123	130
724 211 124	131
724 211 139	130
724 211 140	131
724 211 141	132
724 211 142	133
724 211 155	130
724 211 156	131
724 211 157	132
724 211 158	133
724 211 159	134
724 211 171	130
724 211 172	131
724 211 173	132
724 211 174	133
724 211 175	134
724 211 187	130
724 211 188	131
724 211 189	132
724 211 190	133
724 211 191	134
724 211 203	130
724 211 204	131
724 211 205	132
724 211 206	133
724 211 207	134
724 211 219	130
724 211 220	131
724 211 221	132
724 211 222	133
724 211 223	134
724 211 235	130
724 211 236	131
724 211 237	132
724 211 238	133
724 211 239	134
724 211 251	130
724 211 252	131
724 211 253	132
724 211 254	133
724 211 255	134
724 211 267	130
724 211 268	131
724 211 269	132
724 211 270	133
724 211 271	134
724 211 283	130
724 211 284	131
724 211 285	132
724 211 286	133
724 211 287	134
724 211 299	130
724 211 300	131
724 211 301	132
724 211 302	133
724 211 303	134
724 211 315	130
724 211 316	131
724 211 317	132
724 211 318	133
724 211 319	134
724 211 320	135

Code	Page
724 211 331	130
724 211 332	131
724 211 333	132
724 211 334	133
724 211 335	134
724 211 336	135
724 211 347	130
724 211 348	131
724 211 349	132
724 211 350	133
724 211 351	134
724 211 352	135
724 211 363	130
724 211 364	131
724 211 365	132
724 211 366	133
724 211 367	134
724 211 368	135
724 211 379	130
724 211 380	131
724 211 381	132
724 211 382	133
724 211 383	134
724 211 384	135
724 211 395	130
724 211 396	131
724 211 397	132
724 211 398	133
724 211 399	134
724 211 400	135
724 211 411	130
724 211 412	131
724 211 413	132
724 211 414	133
724 211 415	134
724 211 416	135
724 211 427	130
724 211 428	131
724 211 429	132
724 211 430	133
724 211 431	134
724 211 432	135
724 211 443	130
724 211 444	131
724 211 445	132
724 211 446	133
724 211 447	134
724 211 448	135
724 211 459	130
724 211 460	131
724 211 461	132
724 211 462	133
724 211 463	134
724 211 464	135
724 211 475	130
724 211 476	131
724 211 477	132
724 211 478	133
724 211 479	134
724 211 480	135
724 211 491	130
724 211 492	131
724 211 493	132
724 211 494	133
724 211 495	134
724 211 496	135
724 211 508	131

Code	Page
724 211 509	132
724 211 510	133
724 211 511	134
724 211 512	135
724 211 524	131
724 211 525	132
724 211 526	133
724 211 527	134
724 211 528	135
724 211 540	131
724 211 541	132
724 211 542	133
724 211 543	134
724 211 544	135
724 211 556	131
724 211 557	132
724 211 558	133
724 211 559	134
724 211 560	135
724 211 572	131
724 211 573	132
724 211 574	133
724 211 575	134
724 211 576	135
724 211 588	131
724 211 589	132
724 211 590	133
724 211 591	134
724 211 592	135
724 211 604	131
724 211 605	132
724 211 606	133
724 211 607	134
724 211 608	135
724 211 620	131
724 211 621	132
724 211 622	133
724 211 623	134
724 211 624	135
724 211 625	136
724 211 636	131
724 211 637	132
724 211 638	133
724 211 639	134
724 211 640	135
724 211 641	136
724 211 652	131
724 211 653	132
724 211 654	133
724 211 655	134
724 211 656	135
724 211 657	136
724 211 668	131
724 211 669	132
724 211 670	133
724 211 671	134
724 211 672	135
724 211 673	136
724 211 684	131
724 211 685	132
724 211 686	133
724 211 687	134
724 211 688	135
724 211 689	136
724 211 700	131
724 211 701	132
724 211 702	133

index

Code	Page
724 211 703	134
724 211 704	135
724 211 705	136
724 211 716	131
724 211 717	132
724 211 718	133
724 211 719	134
724 211 720	135
724 211 721	136
724 211 732	131
724 211 733	132
724 211 734	133
724 211 735	134
724 211 736	135
724 211 737	136
724 211 748	131
724 211 749	132
724 211 750	133
724 211 751	134
724 211 752	135
724 211 753	136
724 211 764	131
724 211 765	132
724 211 766	133
724 211 767	134
724 211 768	135
724 211 769	136
724 211 780	131
724 211 781	132
724 211 782	133
724 211 783	134
724 211 784	135
724 211 785	136
724 211 796	131
724 211 797	132
724 211 798	133
724 211 799	134
724 211 800	135
724 211 801	136
724 211 812	131
724 211 813	132
724 211 814	133
724 211 815	134
724 211 816	135
724 211 817	136
724 211 828	131
724 211 829	132
724 211 830	133
724 211 831	134
724 211 832	135
724 211 833	136
724 212 058	137
724 212 059	137
724 212 060	138
724 212 061	139
724 212 062	140
724 212 074	137
724 212 075	137
724 212 076	138
724 212 077	139
724 212 078	140
724 212 090	137
724 212 091	137
724 212 092	138
724 212 093	139
724 212 094	140
724 212 106	137

Code	Page
724 212 107	137
724 212 108	138
724 212 109	139
724 212 110	140
724 212 122	137
724 212 123	137
724 212 124	138
724 212 125	139
724 212 126	140
724 212 138	137
724 212 139	137
724 212 140	138
724 212 141	139
724 212 142	140
724 212 154	137
724 212 155	137
724 212 156	138
724 212 157	139
724 212 158	140
724 212 170	137
724 212 171	137
724 212 172	138
724 212 173	139
724 212 174	140
724 212 186	137
724 212 187	137
724 212 188	138
724 212 189	139
724 212 190	140
724 212 202	137
724 212 203	137
724 212 204	138
724 212 205	139
724 212 206	140
724 212 218	137
724 212 219	137
724 212 220	138
724 212 221	139
724 212 222	140
724 212 234	137
724 212 235	137
724 212 236	138
724 212 237	139
724 212 238	140
724 212 250	137
724 212 251	137
724 212 252	138
724 212 253	139
724 212 254	140
724 212 266	137
724 212 267	137
724 212 268	138
724 212 269	139
724 212 270	140
724 212 282	137
724 212 283	137
724 212 284	138
724 212 285	139
724 212 286	140
724 212 298	137
724 212 299	137
724 212 300	138
724 212 301	139
724 212 302	140
724 212 314	137
724 212 315	137
724 212 316	138

Code	Page
724 212 317	139
724 212 318	140
724 212 330	137
724 212 331	137
724 212 332	138
724 212 333	139
724 212 334	140
724 212 346	137
724 212 347	137
724 212 348	138
724 212 349	139
724 212 350	140
724 212 363	137
724 212 364	138
724 212 365	139
724 212 366	140
724 212 367	141
724 212 379	137
724 212 380	138
724 212 381	139
724 212 382	140
724 212 383	141
724 212 395	137
724 212 396	138
724 212 397	139
724 212 398	140
724 212 399	141
724 212 411	137
724 212 412	138
724 212 413	139
724 212 414	140
724 212 415	141
724 212 428	138
724 212 429	139
724 212 430	140
724 212 431	141
724 212 444	138
724 212 445	139
724 212 446	140
724 212 447	141
724 212 460	138
724 212 461	139
724 212 462	140
724 212 463	141
724 212 476	138
724 212 477	139
724 212 478	140
724 212 479	141
724 212 492	138
724 212 493	139
724 212 494	140
724 212 495	141
724 212 508	138
724 212 509	139
724 212 510	140
724 212 511	141
724 212 524	138
724 212 525	139
724 212 526	140
724 212 527	141
724 212 528	142
724 212 541	139
724 212 542	140
724 212 543	141
724 212 544	142
724 212 557	139
724 212 558	140

index

Code	Page
724 212 559	141
724 212 560	142
724 212 573	139
724 212 574	140
724 212 575	141
724 212 576	142
724 212 589	139
724 212 590	140
724 212 591	141
724 212 592	142
724 212 605	139
724 212 606	140
724 212 607	141
724 212 608	142
724 212 621	139
724 212 622	140
724 212 623	141
724 212 624	142
724 212 637	139
724 212 638	140
724 212 639	141
724 212 640	142
724 212 653	139
724 212 654	140
724 212 655	141
724 212 656	142
724 212 669	139
724 212 670	140
724 212 671	141
724 212 672	142
724 212 685	139
724 212 686	140
724 212 687	141
724 212 688	142
724 212 701	139
724 212 702	140
724 212 703	141
724 212 704	142
724 212 717	139
724 212 718	140
724 212 719	141
724 212 720	142
724 212 733	139
724 212 734	140
724 212 735	141
724 212 736	142
724 212 749	139
724 212 750	140
724 212 751	141
724 212 752	142
724 212 767	141
724 212 768	142
724 212 783	141
724 212 784	142
724 212 799	141
724 212 800	142
724 212 815	141
724 212 816	142
724 212 831	141
724 212 832	142
724 213 060	143
724 213 061	143
724 213 076	143
724 213 077	143
724 213 092	143
724 213 093	143
724 213 108	143

Code	Page
724 213 109	143
724 213 110	144
724 213 124	143
724 213 125	143
724 213 126	144
724 213 140	143
724 213 141	143
724 213 142	144
724 213 156	143
724 213 157	143
724 213 158	144
724 213 172	143
724 213 173	143
724 213 174	144
724 213 175	145
724 213 188	143
724 213 189	143
724 213 190	144
724 213 191	145
724 213 204	143
724 213 205	143
724 213 206	144
724 213 207	145
724 213 221	143
724 213 222	144
724 213 223	145
724 213 237	143
724 213 238	144
724 213 239	145
724 213 240	146
724 213 253	143
724 213 254	144
724 213 255	145
724 213 256	146
724 213 270	144
724 213 271	145
724 213 272	146
724 213 286	144
724 213 287	145
724 213 288	146
724 213 302	144
724 213 303	145
724 213 304	146
724 213 318	144
724 213 319	145
724 213 320	146
724 213 334	144
724 213 335	145
724 213 336	146
724 213 350	144
724 213 351	145
724 213 352	146
724 213 367	145
724 213 368	146
724 213 383	145
724 213 384	146
724 213 399	145
724 213 400	146
724 213 415	145
724 213 416	146
724 213 431	145
724 213 432	146
724 213 447	145
724 213 448	146
724 213 463	145
724 213 464	146
724 213 479	145

Code	Page
724 213 480	146
724 213 495	145
724 213 496	146
724 213 511	145
724 213 512	146
724 213 527	145
724 213 528	146
724 213 543	145
724 213 544	146
724 213 559	145
724 213 560	146
724 213 575	145
724 213 576	146
724 213 591	145
724 213 592	146
724 213 730	157
724 213 746	157
724 213 762	157
724 213 778	157
724 213 794	157
724 213 810	157
724 213 826	157
779 054 054	82
779 054 058	82
779 054 060	82
779 054 063	82
779 054 065	82
779 054 066	82
779 054 070	82
779 054 073	82
779 054 076	82
779 054 078	82
779 054 085	82
779 054 091	82
779 054 092	82
779 054 102	82
779 054 116	82
779 054 124	84
779 054 127	84
779 054 131	84
779 054 145	84
779 054 152	84
779 054 159	84
779 054 172	84
779 054 179	84
779 054 197	84
779 054 210	84
779 054 223	84
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779 054 271	84
779 054 296	84
779 054 319	84
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779 056 058	82
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779 056 076	82
779 056 078	82
779 056 085	82
779 056 091	82
779 056 092	82
779 056 102	82
779 056 116	82

index

Code	Page
779 056 124	84
779 056 127	84
779 056 131	84
779 056 145	84
779 056 152	84
779 056 159	84
779 056 172	84
779 056 179	84
779 056 197	84
779 056 210	84
779 056 223	84
779 056 245	84
779 056 271	84
779 056 296	84
779 056 319	84
779 062 054	82
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779 062 127	84
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779 062 145	84
779 062 152	84
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779 062 172	84
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779 064 102	82
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779 064 124	84
779 064 127	84
779 064 131	84
779 064 145	84
779 064 152	84
779 064 159	84
779 064 172	84

Code	Page
779 064 179	84
779 064 197	84
779 064 210	84
779 064 223	84
779 064 245	84
779 064 271	84
779 064 296	84
779 064 319	84
779 074 092	86
779 074 102	86
779 074 116	86
779 074 124	86
779 074 127	86
779 074 131	86
779 074 145	86
779 074 152	86
779 074 159	86
779 074 172	86
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779 074 197	86
779 074 210	86
779 074 223	86
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779 074 319	86
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779 074 339	86
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779 074 341	86
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779 074 344	86
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779 076 092	86
779 076 102	86
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779 076 124	86
779 076 127	86
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779 076 152	86
779 076 159	86
779 076 172	86
779 076 179	86
779 076 197	86
779 076 210	86
779 076 223	86
779 076 245	86
779 076 271	86
779 076 296	86
779 076 319	86
779 076 338	86
779 076 339	86
779 076 340	86
779 076 341	86
779 076 342	86
779 076 343	86
779 076 344	86
779 076 345	86
779 101 001	76
779 101 002	76
779 101 003	76
779 101 005	76
779 101 006	76
779 101 007	76
779 101 009	76

Code	Page
779 101 010	76
779 101 011	76
779 101 014	76
779 101 015	76
779 101 016	76
779 101 017	76
779 101 018	76
779 101 019	76
779 101 020	76
779 101 021	76
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779 101 159	80
779 101 172	80
779 101 179	80
779 101 197	80
779 101 210	80
779 101 223	80
779 101 245	80
779 101 271	80
779 101 296	80
779 101 319	80
779 101 328	78
779 104 001	76
779 104 002	76
779 104 003	76
779 104 005	76
779 104 006	76
779 104 007	76

index

Code	Page
779 104 009	76
779 104 010	76
779 104 011	76
779 104 014	76
779 104 015	76
779 104 016	76
779 104 017	76
779 104 018	76
779 104 019	76
779 104 020	76
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779 104 152	80
779 104 159	80
779 104 172	80
779 104 179	80
779 104 197	80
779 104 210	80
779 104 223	80
779 104 245	80
779 104 271	80
779 104 296	80
779 104 319	80
779 104 328	78
779 109 001	76
779 109 002	76
779 109 003	76
779 109 005	76
779 109 006	76

Code	Page
779 109 007	76
779 109 009	76
779 109 010	76
779 109 011	76
779 109 014	76
779 109 015	76
779 109 016	76
779 109 017	76
779 109 018	76
779 109 019	76
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779 109 131	80
779 109 145	80
779 109 152	80
779 109 159	80
779 109 172	80
779 109 179	80
779 109 197	80
779 109 210	80
779 109 223	81
779 109 245	81
779 109 271	81
779 109 296	81
779 109 319	81
779 109 328	78
779 112 001	76
779 112 002	76
779 112 003	76
779 112 005	76

Code	Page
779 112 006	76
779 112 007	76
779 112 009	76
779 112 010	76
779 112 011	76
779 112 014	76
779 112 015	76
779 112 016	76
779 112 017	76
779 112 018	76
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779 112 131	80
779 112 145	80
779 112 152	80
779 112 159	80
779 112 172	80
779 112 179	80
779 112 197	80
779 112 210	80
779 112 223	81
779 112 245	81
779 112 271	81
779 112 296	81
779 112 319	81
779 112 328	78
779 309 006	111
779 309 007	111
779 309 009	111

index

Code	Page
779 309 010	111
779 309 011	111
779 309 014	111
779 309 015	111
779 309 016	111
779 309 017	111
779 309 018	111
779 309 019	111
779 309 020	111
779 309 021	111
779 309 022	111
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779 309 041	112
779 309 042	112
779 309 045	112
779 309 046	112
779 309 050	112
779 309 051	112
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779 309 070	112
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779 309 076	113
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779 309 092	113
779 309 102	113
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779 309 127	113
779 309 131	113
779 309 145	113
779 309 152	113
779 309 159	113
779 309 172	113
779 309 179	113
779 309 197	113
779 309 210	113
779 309 223	113
779 309 245	113
779 309 271	113
779 309 296	113
779 309 319	113
779 309 328	111
779 312 006	111
779 312 007	111
779 312 009	111
779 312 010	111
779 312 011	111
779 312 014	111

Code	Page
779 312 015	111
779 312 016	111
779 312 017	111
779 312 018	111
779 312 019	111
779 312 020	111
779 312 021	111
779 312 022	111
779 312 024	111
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779 312 076	113
779 312 078	113
779 312 085	113
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779 312 102	113
779 312 116	113
779 312 124	113
779 312 127	113
779 312 131	113
779 312 145	113
779 312 152	113
779 312 159	113
779 312 172	113
779 312 179	113
779 312 197	113
779 312 210	113
779 312 223	113
779 312 245	113
779 312 271	113
779 312 296	113
779 312 319	113
779 312 328	111
779 401 001	94
779 401 002	94
779 401 003	94
779 401 005	94
779 401 006	94
779 401 007	94
779 401 009	94
779 401 010	94
779 401 011	94

Code	Page
779 401 014	94
779 401 015	94
779 401 016	94
779 401 017	94
779 401 018	94
779 401 019	94
779 401 020	94
779 401 021	94
779 401 022	94
779 401 024	94
779 401 025	94
779 401 028	94
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779 401 030	96
779 401 032	96
779 401 033	96
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779 401 040	96
779 401 041	96
779 401 042	96
779 401 045	96
779 401 046	96
779 401 050	96
779 401 051	96
779 401 058	96
779 401 060	96
779 401 063	96
779 401 065	96
779 401 066	96
779 401 070	96
779 401 073	98
779 401 076	98
779 401 078	98
779 401 085	98
779 401 091	98
779 401 092	98
779 401 102	98
779 401 116	98
779 401 124	98
779 401 127	98
779 401 131	98
779 401 145	98
779 401 152	98
779 401 159	98
779 401 172	98
779 401 179	98
779 401 197	98
779 401 328	96
779 404 001	94
779 404 002	94
779 404 003	94
779 404 005	94
779 404 006	94
779 404 007	94
779 404 009	94
779 404 010	94
779 404 011	94
779 404 014	94
779 404 015	94
779 404 016	94
779 404 017	94
779 404 018	94
779 404 019	94

index

Code	Page
779 404 020	94
779 404 021	94
779 404 022	94
779 404 024	94
779 404 025	94
779 404 028	94
779 404 029	96
779 404 030	96
779 404 032	96
779 404 033	96
779 404 034	96
779 404 036	96
779 404 037	96
779 404 038	96
779 404 039	96
779 404 040	96
779 404 041	96
779 404 042	96
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779 404 070	96
779 404 073	98
779 404 076	98
779 404 078	98
779 404 085	98
779 404 091	98
779 404 092	98
779 404 102	98
779 404 116	98
779 404 124	98
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Code	Page
779 409 029	96
779 409 030	96
779 409 032	96
779 409 033	96
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779 412 034	96
779 412 036	96

Code	Page
779 412 037	96
779 412 038	96
779 412 039	96
779 412 040	96
779 412 041	96
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779 413 039	90
779 413 040	90
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779 413 042	90

index

Code	Page
779 413 045	90
779 413 046	90
779 413 050	90
779 413 051	90
779 413 058	90
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779 416 065	90

Code	Page
779 416 066	90
779 416 070	90
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779 421 070	90
779 421 073	92
779 421 076	92
779 421 078	92
779 421 085	92
779 421 091	92
779 421 092	92

Code	Page
779 421 102	92
779 421 116	92
779 421 124	92
779 421 127	92
779 421 131	92
779 421 145	92
779 421 152	92
779 421 159	92
779 421 172	92
779 421 328	90
779 424 001	88
779 424 002	88
779 424 003	88
779 424 005	88
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779 424 076	92
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779 424 085	92
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779 424 092	92
779 424 102	92
779 424 116	92
779 424 124	92
779 424 127	92
779 424 131	92
779 424 145	92
779 424 152	92
779 424 159	92

index

Code	Page
779 424 172	92
779 424 328	90
779 501 008	108
779 501 009	108
779 501 011	108
779 501 012	108
779 501 016	108
779 501 017	108
779 501 019	108
779 501 020	108
779 501 025	108
779 501 029	108
779 501 032	108
779 501 033	108
779 501 037	108
779 501 040	108
779 501 041	108
779 501 046	110
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779 501 079	110
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779 501 091	110
779 501 102	110
779 501 114	110
779 501 116	110
779 504 008	108
779 504 009	108
779 504 011	108
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779 504 016	108
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779 504 091	110
779 504 102	110
779 504 114	110
779 504 116	110
779 509 009	108
779 509 011	108
779 509 012	108
779 509 016	108
779 509 017	108
779 509 019	108
779 509 020	108

Code	Page
779 509 025	108
779 509 029	108
779 509 032	108
779 509 033	108
779 509 037	108
779 509 040	108
779 509 041	108
779 509 046	110
779 509 050	110
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779 513 033	104
779 513 038	104
779 513 040	104
779 513 041	104
779 513 046	104
779 513 050	104
779 513 063	104
779 513 064	104

Code	Page
779 513 073	104
779 513 078	104
779 513 079	104
779 513 091	104
779 513 102	104
779 513 116	104
779 513 329	104
779 513 501	104
779 516 007	104
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779 516 011	104
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779 522 116	105
779 522 329	105
779 522 501	105
779 524 007	105
779 524 009	105
779 524 011	105
779 524 016	105
779 524 019	105
779 524 020	105
779 524 025	105
779 524 029	105
779 524 032	105

index

Code	Page
779 524 033	105
779 524 038	105
779 524 040	105
779 524 041	105
779 524 046	105
779 524 050	105
779 524 063	105
779 524 064	105
779 524 073	105
779 524 078	106
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779 524 116	106
779 524 329	105
779 524 501	105
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779 532 050	107
779 537 007	102
779 537 009	102
779 537 011	102
779 537 016	102
779 537 019	102
779 537 020	102
779 537 025	102
779 537 029	102
779 537 032	102
779 537 033	102
779 537 038	102
779 537 040	102
779 537 041	102
779 537 050	102
779 537 501	102
779 540 007	102

Code	Page
779 540 009	102
779 540 011	102
779 540 016	102
779 540 019	102
779 540 020	102
779 540 025	102
779 540 029	102
779 540 032	102
779 540 033	102
779 540 038	102
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779 573 037	100
779 573 038	100
779 573 039	100
779 573 040	100
779 573 041	100
779 573 045	100
779 573 046	100
779 573 050	100

Code	Page
7795090008	108
95-104L200N	153
95-104L300N	153
95-104L400N	154
95-104L500N	155
98-108L200N	153
98-108L300N	153
98-108L400N	154
98-108L500N	155
DN1000C-N	70
DN1000F-N	71
DN1000RC-N	72
DN1000RF-N	73
DN100C-N	70
DN100F-N	71
DN100RC-N	72
DN100RF-N	73
DN1100C-N	70
DN1100F-N	71
DN1100RC-N	72
DN1100RF-N	73
DN1200C-N	70
DN1200F-N	71
DN1200RC-N	72
DN1200RF-N	73
DN1300C-N	70
DN1300F-N	71
DN1300RC-N	72
DN1300RF-N	73
DN1400C-N	70
DN1400F-N	71
DN1400RC-N	72
DN1400RF-N	73
DN1500C-N	70
DN1500F-N	71
DN1500RC-N	72
DN1500RF-N	73
DN1600C-N	70
DN1600F-N	71
DN1600RC-N	72
DN1600RF-N	73
DN1700C-N	70
DN1700F-N	71
DN1700RC-N	72
DN1700RF-N	73
DN1800C-N	70
DN1800F-N	71
DN1800RC-N	72
DN1800RF-N	73
DN1900C-N	70
DN1900F-N	71
DN1900RC-N	72
DN1900RF-N	73
DN2000C-N	70
DN2000F-N	71
DN2000RC-N	72
DN2000RF-N	73
DN200C-N	70
DN200F-N	71
DN200RC-N	72
DN200RF-N	73
DN2100C-N	70
DN2100F-N	71
DN2100RC-N	72
DN2100RF-N	73
DN2200C-N	70
DN2200F-N	71

index

Code	Page	Code	Page
DN2200RC-N	72	DN550F-N	71
DN2200RF-N	73	DN550RC-N	72
DN2300C-N	70	DN550RF-N	73
DN2300F-N	71	DN600C-N	70
DN2300RC-N	72	DN600F-N	71
DN2300RF-N	73	DN600L400N	154
DN2400C-N	70	DN600L500N	155
DN2400F-N	71	DN600L600N	155
DN2400RC-N	72	DN600L750N	156
DN2400RF-N	73	DN600RC-N	72
DN2500C-N	70	DN600RF-N	73
DN2500F-N	71	DN650C-N	70
DN2500RC-N	72	DN650F-N	71
DN2500RF-N	73	DN650RC-N	72
DN250C-N	70	DN650RF-N	73
DN250F-N	71	DN700C-N	70
DN250RC-N	72	DN700F-N	71
DN250RF-N	73	DN700L400N	154
DN2600C-N	70	DN700L500N	155
DN2600F-N	71	DN700L600N	155
DN2600RC-N	72	DN700L750N	156
DN2600RF-N	73	DN700RC-N	72
DN2700C-N	70	DN700RF-N	73
DN2700F-N	71	DN750L500N	155
DN2700RC-N	72	DN750L600N	155
DN2700RF-N	73	DN750L750N	156
DN2800C-N	70	DN800C-N	70
DN2800F-N	71	DN800F-N	71
DN2800RC-N	72	DN800L500N	155
DN2800RF-N	73	DN800L600N	155
DN300C-N	70	DN800L750N	156
DN300F-N	71	DN800RC-N	72
DN300RC-N	72	DN800RF-N	73
DN300RF-N	73	DN80C-N	70
DN350C-N	70	DN80F-N	71
DN350F-N	71	DN80RC-N	72
DN350L300N	153	DN80RF-N	73
DN350L400N	154	DN900C-N	70
DN350L500N	155	DN900F-N	71
DN350L600N	155	DN900RC-N	72
DN350RC-N	72	DN900RF-N	73
DN350RF-N	73	flangeDN100	154
DN400C-N	70	flangeDN125	154
DN400F-N	71	flangeDN150	154
DN400L400N	154	flangeDN200	154
DN400L500N	155	flangeDN250	154
DN400L600N	155	flangeDN300	154
DN400L750N	156	flangeDN50	154
DN400RC-N	72	flangeDN65	154
DN400RF-N	73	flangeDN80	154
DN450C-N	70	thread1	146
DN450F-N	71	thread1.1/2	146
DN450L400N	154	thread1.1/4	146
DN450L500N	155	thread1/2	146
DN450L600N	155	thread2	146
DN450L750N	156	thread2.1/2	146
DN450RC-N	72	thread3	146
DN450RF-N	73	thread3/4	146
DN500C-N	70	thread4	146
DN500F-N	71		
DN500L400N	154		
DN500L500N	155		
DN500L600N	155		
DN500L750N	156		
DN500RC-N	72		
DN500RF-N	73		
DN550C-N	70		

Product range overview

Georg Fischer Waga N.V. is the jointing technology specialist, offering a complete range of products that have been used in the water & gas market for many years. No matter how complicated your connection problem is, we can offer you a solution when it comes to:

Connecting

- MULTI/JOINT®
- ST-System
- Draw-Lock®
- FGR, Stainless steel couplings
- Plast/Joint®

Repairing

- WAL/V, Bell joint leak clamps
- Multi/Clamp, Stainless steel repair clamps

Tapping

- Multi/Clamp, threaded / flanged saddles
- Multi/Saddle Plus
- Drilling device W400

Additional products and spare parts

- Street covers
- Insert stiffeners
- Hydrants
- Valves
- Ratchet spanners

Assuring a reliable and safe connection

- for dimensions DN25-2800 and all kinds of pipe materials
- for pressure ratings upto and including 48 bar
- connection to pumps, housings and more
- integration in existing pipelines

Temporary or long term maintenance of the pipe

- for all pipe materials in utility, industrial systems, shipbuilding, etc.
- under pressure or pressureless repair
- under pressure repair of bell-joints, AC pipes and more

Under pressure or pressureless tapping

- to install house connections
- no interruption of supply
- for installations of valves, hydrants and service lines

The technical data are not binding and not expressly warranted characteristics of the goods. They are subject to change. Please consult our General Conditions of Supply.

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