



Product Catalogue
2010/2011

WAGA®

Georg Fischer Waga N.V.



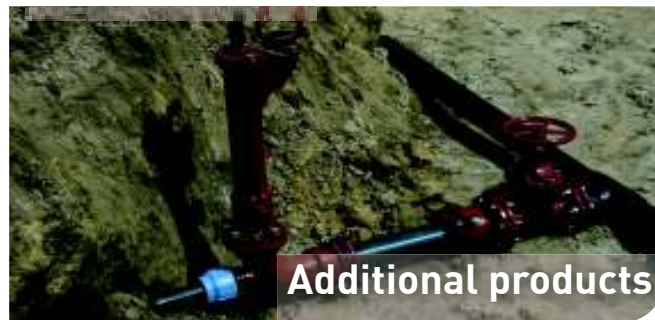
Connecting



Repairing



Tapping



Additional products

No matter how complicated your connection problem seems, we offer you a solution when it comes to:

Connecting

- MULTI/JOINT® 3000 (Plus)
- MULTI/JOINT® XL
- ST-system
- Stainless steel pipe couplings
- Plast/Joint®

Repairing

- Bell joint leak clamps WAL/V
- Stainless steel repair clamps

Tapping

- Threaded / Flanged saddles
- Multi/Saddle Plus
- Drilling devices

Additional products and spare parts

- Street covers, insert stiffeners, pipe anchors, ratchet spanners, hydrants, and valves

→ We offer

- **Tailor-made solution** for any application in which fluids or gases are conveyed.
- **Competent customer support worldwide** with our sales companies and representatives. We always work with the best distributors in every country. They are our key partners when it comes to product and application know-how and immediate availability of our products.
- **Fast delivery** with our electronic inventory management system and flexible production facilities. Our logistics services are consistently improved to satisfy our customers' high demands.



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For more product
documentation see
our download center
www.waga.nl

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MULTI/JOINT® 3000

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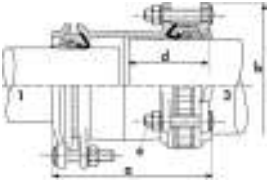
**MULTI/JOINT® 3000
Plus**

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MULTI/JOINT® 3000 & 3000 Plus (DN50- DN300)

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



Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

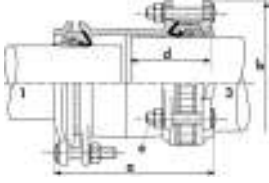
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	46 - 71	709 300 210	709 300 610	709 300 010	709 300 310	4.800
65	69 - 90	69 - 90	709 300 212	709 300 612	709 300 012	709 300 312	5.400
80	84 - 105	84 - 105	709 300 214	709 300 614	709 300 014	709 300 314	6.900
100	104 - 132	104 - 132	709 300 216	709 300 616	709 300 016	709 300 316	9.100
125	132 - 155	132 - 155	709 300 218	709 300 618	709 300 018	709 300 318	12.500
150	154 - 192	154 - 192	709 300 220	709 300 620	709 300 020	709 300 320	14.600

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

PF 1 54 323 060



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

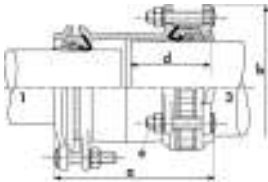
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
150	154 - 192	154 - 192	709 301 220	709 301 620	709 301 020	709 301 320	14.400
200	192 - 232	192 - 232	709 301 224	709 301 624	709 301 024	709 301 324	28.400
225	230 - 268	230 - 268	709 301 226	709 301 626	709 301 026	709 301 326	38.900
250	267 - 310	267 - 310	709 301 228	709 301 628	709 301 028	709 301 328	39.200
300	315 - 356	315 - 356	709 301 232	709 301 632	709 301 032	709 301 332	51.200

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

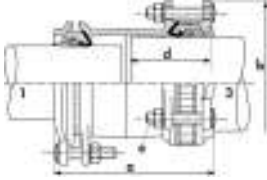
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	46 - 71	709 307 210	709 307 610	709 307 010	709 307 310	4.800
65	69 - 90	69 - 90	709 307 212	709 307 612	709 307 012	709 307 312	5.400
80	84 - 105	84 - 105	709 307 214	709 307 614	709 307 014	709 307 314	6.900
100	104 - 132	104 - 132	709 307 216	709 307 616	709 307 016	709 307 316	9.200
125	132 - 155	132 - 155	709 307 218	709 307 618	709 307 018	709 307 318	12.200
150	154 - 192	154 - 192	709 307 220	709 307 620	709 307 020	709 307 320	14.600

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

PF 1 54 323 061



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

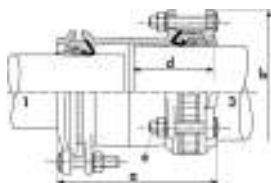
Model:

- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
150	154 - 192	154 - 192	709 305 220	709 305 620	709 305 020	709 305 320	14.400
200	192 - 232	192 - 232	709 305 224	709 305 624	709 305 024	709 305 324	28.600
225	230 - 268	230 - 268	709 305 226	709 305 626	709 305 026	709 305 326	39.200
250	267 - 310	267 - 310	709 305 228	709 305 628	709 305 028	709 305 328	39.500
300	315 - 356	315 - 356	709 305 232	709 305 632	709 305 032	709 305 332	51.500

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150	154 - 192	154	192	4xM16	16.0	8.0
200	297 - 351	354	140	6xM20	16.0	8.0
225	342 - 404	386	145	6xM20	16.0	8.0
250	354 - 424	432	170	6xM20	16.0	8.0
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

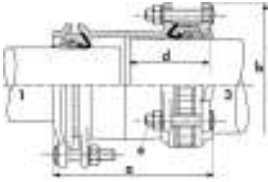
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
80	84 - 105	84 - 105	709 309 214	709 309 614	709 309 014	709 309 314	6.900
100	104 - 132	104 - 132	709 309 216	709 309 616	709 309 016	709 309 316	9.200
125	132 - 155	132 - 155	709 309 218	709 309 618	709 309 018	709 309 318	12.200
150	154 - 192	154 - 192	709 309 220	709 309 620	709 309 020	709 309 320	14.600

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 - DN150: 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

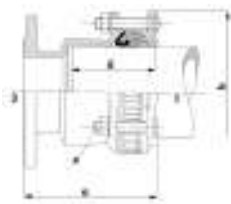
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
80	84 - 105	84 - 105	709 308 214	709 308 614	709 308 014	709 308 314	6.900
100	104 - 132	104 - 132	709 308 216	709 308 616	709 308 016	709 308 316	9.200
125	132 - 155	132 - 155	709 308 218	709 308 618	709 308 018	709 308 318	12.200
150	154 - 192	154 - 192	709 308 220	709 308 620	709 308 020	709 308 320	14.600

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	242	298	4xM16	16.0	8.0

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

Note:

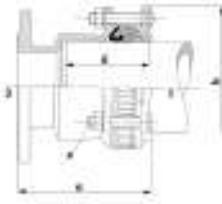
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
50	46 - 71	50	PN16	709 350 310	5.700	
65	69 - 90	60/65	PN16	709 350 312	6.500	
80	84 - 105	80	PN16	709 350 314	6.400	
100	104 - 132	100	PN16	709 350 316	8.200	
125	132 - 155	125	PN16	709 350 318	13.000	
150	154 - 192	150	PN16	709 350 320	13.600	

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	

PF 1 54 323 060



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

Model:

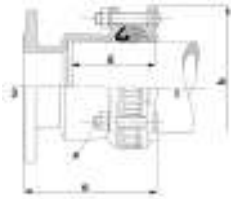
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
150	154 - 192	150	PN16	709 351 220	709 351 620	709 351 020	
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	kg	
150	154 - 192	150	PN16	709 351 320	13.600	
200	192 - 232	200	PN10	709 351 324	22.800	
200	192 - 232	200	PN16	709 351 325	22.800	
250	267 - 310	250	PN10	709 351 328	31.600	
250	267 - 310	250	PN16	709 351 329	31.600	
300	315 - 356	300	PN10	709 351 332	41.100	
300	315 - 356	300	PN16	709 351 333	41.100	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

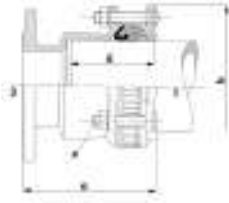
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
50	46 - 71	50	PN16	709 357 310	5.700	
65	69 - 90	60/65	PN16	709 357 312	6.500	
80	84 - 105	80	PN16	709 357 314	6.400	
100	104 - 132	100	PN16	709 357 316	8.200	
125	132 - 155	125	PN16	709 357 318	12.800	
150	154 - 192	150	PN16	709 357 320	13.600	

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	

PF 1 54 323 061



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

Model:

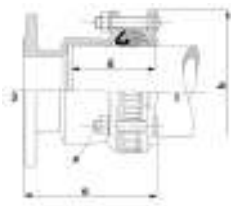
- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
150	154 - 192	150	PN16	709 355 220	709 355 620	709 355 020	
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	kg	
150	154 - 192	150	PN16	709 355 320	13.600	
200	192 - 232	200	PN10	709 355 324	22.900	
200	192 - 232	200	PN16	709 355 325	22.900	
250	267 - 310	250	PN10	709 355 328	31.800	
250	267 - 310	250	PN16	709 355 329	31.800	
300	315 - 356	300	PN10	709 355 332	41.300	
300	315 - 356	300	PN16	709 355 333	41.300	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
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	16.0	8.0	
250	260 - 295	432	170	6xM20	16.0	8.0	
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

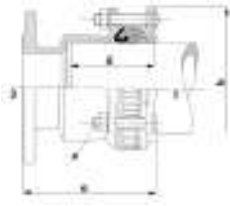
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
80	84 - 105	80	PN16	709 359 314	6.400	
100	104 - 132	100	PN16	709 359 316	8.200	
125	132 - 155	125	PN16	709 359 318	12.800	
150	154 - 192	150	PN16	709 359 320	13.600	

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	

PF 1 54 323 061



MULTI/JOINT® 3050 Wide Range Flange adaptor, non-restraint, acc. to AWWA C110

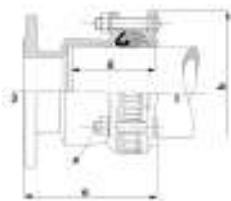
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- For measures and drawings see our product flyer

DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	NBR / A2 Code	EPDM / A2 Code	
80	3	84 - 105	3.3 - 4.1	80	3	709 350 240	709 350 640	
100	4	104 - 132	4.1 - 5.2	100	4	709 350 242	709 350 642	
150	6	154 - 192	6.1 - 7.6	150	6	709 350 244	709 350 644	
200	8	192 - 232	7.6 - 9.1	200	8	709 351 246	709 351 646	
250	10	267 - 310	10.5 - 12.2	250	10	709 351 248	709 351 648	
300	12	315 - 356	12.4 - 14.0	300	12	709 351 250	709 351 650	

DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	NBR / A4 Code	EPDM / A4 Code	kg
80	3	84 - 105	3.3 - 4.1	80	3	709 350 040	709 350 340	6.400
100	4	104 - 132	4.1 - 5.2	100	4	709 350 042	709 350 342	8.100
150	6	154 - 192	6.1 - 7.6	150	6	709 350 044	709 350 344	13.500
200	8	192 - 232	7.6 - 9.1	200	8	709 351 046	709 351 346	22.800
250	10	267 - 310	10.5 - 12.2	250	10	709 351 048	709 351 348	31.600
300	12	315 - 356	12.4 - 14.0	300	12	709 351 050	709 351 350	41.100

PF 1 54 323 060



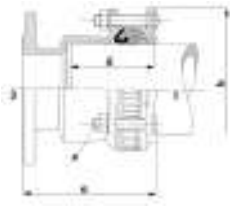
MULTI/JOINT® 3050 Wide Range Flange adaptor, non-restraint, acc. to JIS

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- For measures and drawings see our product flyer

DN [mm]	Range 1 [mm]	Flange 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
80	84 - 105	80	709 350 260	709 350 660	709 350 060	709 350 360	6.400
100	104 - 132	100	709 350 262	709 350 662	709 350 062	709 350 362	8.100
150	154 - 192	150	709 350 264	709 350 664	709 350 064	709 350 364	13.500
200	192 - 232	200	709 351 266	709 351 666	709 351 066	709 351 366	22.800
250	267 - 310	250	709 351 268	709 351 668	709 351 068	709 351 368	31.600
300	315 - 356	300	709 351 270	709 351 670	709 351 070	709 351 370	41.100

PF 1 54 323 060



MULTI/JOINT® 3057 Wide Range Flange adaptor, restraint, acc. to AWWA C110

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- For measures and drawings see our product flyer

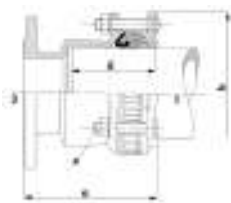
DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	Description	NBR / A2 Code
80	3	84 - 105	3.3 - 4.1	80	3	with Multi/Fiksers	709 357 240
100	4	104 - 132	4.1 - 5.2	100	4	with Multi/Fiksers	709 357 242
150	6	154 - 192	6.1 - 7.6	150	6	with Multi/Fiksers	709 357 244
80	3	84 - 105	3.3 - 4.1	80	3	with Poly/Fiksers	709 359 240
100	4	104 - 132	4.1 - 5.2	100	4	with Poly/Fiksers	709 359 242
150	6	154 - 192	6.1 - 7.6	150	6	with Poly/Fiksers	709 359 244
200	8	192 - 232	7.6 - 9.1	200	8	with Uni/Fiksers	709 355 246
250	10	267 - 310	10.5 - 12.2	250	10	with Uni/Fiksers	709 355 248
300	12	315 - 356	12.4 - 14.0	300	12	with Uni/Fiksers	709 355 250

DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	Description	EPDM / A2 Code
80	3	84 - 105	3.3 - 4.1	80	3	with Multi/Fiksers	709 357 640
100	4	104 - 132	4.1 - 5.2	100	4	with Multi/Fiksers	709 357 642
150	6	154 - 192	6.1 - 7.6	150	6	with Multi/Fiksers	709 357 644
80	3	84 - 105	3.3 - 4.1	80	3	with Poly/Fiksers	709 359 640
100	4	104 - 132	4.1 - 5.2	100	4	with Poly/Fiksers	709 359 642
150	6	154 - 192	6.1 - 7.6	150	6	with Poly/Fiksers	709 359 644
200	8	192 - 232	7.6 - 9.1	200	8	with Uni/Fiksers	709 355 646
250	10	267 - 310	10.5 - 12.2	250	10	with Uni/Fiksers	709 355 648
300	12	315 - 356	12.4 - 14.0	300	12	with Uni/Fiksers	709 355 650

DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	Description	NBR / A4 Code
80	3	84 - 105	3.3 - 4.1	80	3	with Multi/Fiksers	709 357 040
100	4	104 - 132	4.1 - 5.2	100	4	with Multi/Fiksers	709 357 042
150	6	154 - 192	6.1 - 7.6	150	6	with Multi/Fiksers	709 357 044
80	3	84 - 105	3.3 - 4.1	80	3	with Poly/Fiksers	709 359 040
100	4	104 - 132	4.1 - 5.2	100	4	with Poly/Fiksers	709 359 042
150	6	154 - 192	6.1 - 7.6	150	6	with Poly/Fiksers	709 359 044
200	8	192 - 232	7.6 - 9.1	200	8	with Uni/Fiksers	709 355 046
250	10	267 - 310	10.5 - 12.2	250	10	with Uni/Fiksers	709 355 048
300	12	315 - 356	12.4 - 14.0	300	12	with Uni/Fiksers	709 355 050

DN [mm]	DN [inch]	Range 1 [mm]	Range 1 [inch]	Flange 3 [mm]	Flange 3 [inch]	Description	EPDM / A4 Code	kg
80	3	84 - 105	3.3 - 4.1	80	3	with Multi/Fiksers	709 357 340	6.400
100	4	104 - 132	4.1 - 5.2	100	4	with Multi/Fiksers	709 357 342	8.200
150	6	154 - 192	6.1 - 7.6	150	6	with Multi/Fiksers	709 357 344	13.600
80	3	84 - 105	3.3 - 4.1	80	3	with Poly/Fiksers	709 359 340	6.400
100	4	104 - 132	4.1 - 5.2	100	4	with Poly/Fiksers	709 359 342	8.200
150	6	154 - 192	6.1 - 7.6	150	6	with Poly/Fiksers	709 359 344	13.600
200	8	192 - 232	7.6 - 9.1	200	8	with Uni/Fiksers	709 355 346	22.900
250	10	267 - 310	10.5 - 12.2	250	10	with Uni/Fiksers	709 355 348	31.800
300	12	315 - 356	12.4 - 14.0	300	12	with Uni/Fiksers	709 355 350	41.300

PF 1 54 323 061



MULTI/JOINT® 3057 Wide Range Flange adaptor, restraint, acc. to JIS

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- For measures and drawings see our product flyer

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Description	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
80	84 - 105	80	with Multi/Fiksers	709 357 260	709 357 660	709 357 060	
100	104 - 132	100	with Multi/Fiksers	709 357 262	709 357 662	709 357 062	
150	154 - 192	150	with Multi/Fiksers	709 357 264	709 357 664	709 357 064	
80	84 - 105	80	with Poly/Fiksers	709 359 260	709 359 660	709 359 060	
100	104 - 132	100	with Poly/Fiksers	709 359 262	709 359 662	709 359 062	
150	154 - 192	150	with Poly/Fiksers	709 359 264	709 359 664	709 359 064	
200	192 - 232	200	with Uni/Fiksers	709 355 266	709 355 666	709 355 066	
250	267 - 310	250	with Uni/Fiksers	709 355 268	709 355 668	709 355 068	
300	315 - 356	300	with Uni/Fiksers	709 355 270	709 355 670	709 355 070	

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Description	EPDM / A4 Code	kg	
80	84 - 105	80	with Multi/Fiksers	709 357 360	6.400	
100	104 - 132	100	with Multi/Fiksers	709 357 362	8.200	
150	154 - 192	150	with Multi/Fiksers	709 357 364	13.600	
80	84 - 105	80	with Poly/Fiksers	709 359 360	6.400	
100	104 - 132	100	with Poly/Fiksers	709 359 362	8.200	
150	154 - 192	150	with Poly/Fiksers	709 359 364	13.600	
200	192 - 232	200	with Uni/Fiksers	709 355 366	22.900	
250	267 - 310	250	with Uni/Fiksers	709 355 368	31.800	
300	315 - 356	300	with Uni/Fiksers	709 355 370	41.300	

PF 1 54 323 061



MULTI/JOINT® 3067 Wide Range PE adaptor, restraint, Multi/Fiksers

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.



Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	PE outlet [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
65	69 - 90	63	709 367 211	709 367 611			
65	69 - 90	75	709 367 212	709 367 612	709 367 012	709 367 312	4.351
80	84 - 105	90	709 367 214	709 367 614	709 367 014	709 367 314	5.337
100	104 - 132	90	709 467 216	709 467 616	709 467 016	709 467 316	6.693
100	104 - 132	110	709 367 216	709 367 616	709 367 016	709 367 316	6.793
100	104 - 132	125	709 467 217	709 467 617	709 467 017	709 467 317	8.053
125	132 - 155	110	709 467 218	709 467 618	709 467 018	709 467 318	8.754
125	132 - 155	125	709 367 218	709 367 618	709 367 018	709 367 318	8.954
125	132 - 155	140	709 467 219	709 467 619	709 467 019	709 467 319	10.514
150	154 - 192	160	709 367 220	709 367 620	709 367 020	709 367 320	12.898
150	154 - 192	180	709 467 220	709 467 620	709 467 020	709 467 320	15.148

DN [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
65	186	95	3xM12	16.0	8.0
65	186	95	3xM12	16.0	8.0
80	204	115	3xM12	16.0	8.0
100	236	110	3xM16	16.0	8.0
100	236	110	3xM16	16.0	8.0
100	236	110	3xM16	16.0	8.0
125	264	120	4xM16	16.0	8.0
125	264	120	4xM16	16.0	8.0
125	264	120	4xM16	16.0	8.0
150	304	120	4xM16	16.0	8.0
150	304	120	4xM16	16.0	8.0

PF 1 54 323 061



MULTI/JOINT® 3067 Plus Wide Range PE adaptor, restraint

Model:

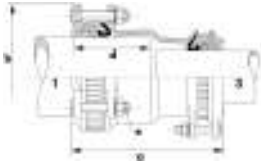
- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced



DN [mm]	Range 1 [mm]	PE outlet [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
150	154 - 192	160	709 365 220	709 365 620	709 365 020	709 365 320	12.898
150	154 - 192	180	709 465 220	709 465 620	709 465 020	709 465 320	15.148
200	192 - 232	200	709 365 224	709 365 624	709 365 024	709 365 324	22.525
200	192 - 232	225	709 465 224	709 465 624	709 465 024	709 465 324	25.675
250	267 - 310	250	709 365 228	709 365 628	709 365 028	709 365 328	31.409
250	267 - 310	280	709 465 228	709 465 628	709 465 028	709 465 328	39.209
300	315 - 356	315	709 365 232	709 365 632	709 365 032	709 365 332	53.257

DN [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150	304	120	4xM16	16.0	8.0
150	304	120	4xM16	16.0	8.0
200	354	108	6xM20	16.0	8.0
200	354	108	6xM20	16.0	8.0
250	432	142	6xM20	16.0	8.0
250	432	142	6xM20	16.0	8.0
300	490	168	8xM20	10.0	5.0

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

Note:

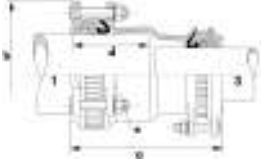
DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
50 - 65	46 - 71	69 - 90	709 400 218	709 400 618	709 400 018	
65 - 80	69 - 90	84 - 105	709 400 220	709 400 620	709 400 020	
80 - 100	84 - 105	104 - 132	709 400 224	709 400 624	709 400 024	
100 - 125	104 - 132	132 - 155	709 400 232	709 400 632	709 400 032	
100 - 150	104 - 132	154 - 192	709 400 236	709 400 636	709 400 036	
125 - 150	132 - 155	154 - 192	709 400 238	709 400 638	709 400 038	

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg	
50 - 65	46 - 71	69 - 90	709 400 318	6.000	
65 - 80	69 - 90	84 - 105	709 400 320	6.800	
80 - 100	84 - 105	104 - 132	709 400 324	8.000	
100 - 125	104 - 132	132 - 155	709 400 332	11.100	
100 - 150	104 - 132	154 - 192	709 400 336	13.300	
125 - 150	132 - 155	154 - 192	709 400 338	15.200	

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	4xM16/4xM16	25.0	8.0	

PF 1 54 323 060



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

Note:

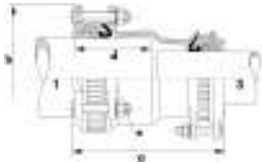
* on the DN125 side this coupling still has the MULTI/JOINT® 3000 Variofleks® ring

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
* 125 - 150	132 - 155	154 - 192	709 401 238	709 401 638	709 401 038	
150 - 200	154 - 192	192 - 232	709 401 248	709 401 648	709 401 048	
200 - 225	192 - 232	230 - 268	709 401 278	709 401 678	709 401 078	
225 - 250	230 - 268	267 - 310	709 401 282	709 401 682	709 401 082	
250 - 300	267 - 310	315 - 356	709 401 286	709 401 686	709 401 086	

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg	
* 125 - 150	132 - 155	154 - 192	709 401 338	15.200	
150 - 200	154 - 192	192 - 232	709 401 348	21.900	
200 - 225	192 - 232	230 - 268	709 401 378	35.800	
225 - 250	230 - 268	267 - 310	709 401 382	41.600	
250 - 300	267 - 310	315 - 356	709 401 386	48.300	

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
* 125 - 150	276 - 322	304	120	4xM16/4xM16	25.0	8.0	
150 - 200	265 - 321	354	120	4xM16/6xM20	25.0	8.0	
200 - 225	340 - 398	386	145	6xM20/6xM20	25.0	8.0	
225 - 250	358 - 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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
50 - 65	46 - 71	69 - 90	709 407 218	709 407 618	709 407 018
65 - 80	69 - 90	84 - 105	709 407 220	709 407 620	709 407 020
80 - 100	84 - 105	104 - 132	709 407 224	709 407 624	709 407 024
100 - 125	104 - 132	132 - 155	709 407 232	709 407 632	709 407 032
100 - 150	104 - 132	154 - 192	709 407 236	709 407 636	709 407 036
125 - 150	132 - 155	154 - 192	709 407 238	709 407 638	709 407 038

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
50 - 65	46 - 71	69 - 90	709 407 318	6.000
65 - 80	69 - 90	84 - 105	709 407 320	6.800
80 - 100	84 - 105	104 - 132	709 407 324	8.000
100 - 125	104 - 132	132 - 155	709 407 332	11.200
100 - 150	104 - 132	154 - 192	709 407 336	13.400
125 - 150	132 - 155	154 - 192	709 407 338	15.000

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

Note:

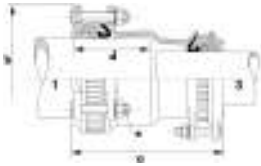
** on the DN125 side this coupling still has the MULTI/JOINT® 3000 Variofiks® ring with Multi/Fiksers® (Poly/Fiksers® on request)

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
** 125 - 150	132 - 155	154 - 192	709 405 238	709 405 638	709 405 038
150 - 200	154 - 192	192 - 232	709 405 248	709 405 648	709 405 048
200 - 225	192 - 232	230 - 268	709 405 278	709 405 678	709 405 078
225 - 250	230 - 268	267 - 310	709 405 282	709 405 682	709 405 082
250 - 300	267 - 310	315 - 356	709 405 286	709 405 686	709 405 086

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
** 125 - 150	132 - 155	154 - 192	709 405 338	15.000
150 - 200	154 - 192	192 - 232	709 405 348	22.000
200 - 225	192 - 232	230 - 268	709 405 378	36.000
225 - 250	230 - 268	267 - 310	709 405 382	41.900
250 - 300	267 - 310	315 - 356	709 405 386	48.700

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
** 125 - 150	132 - 155	154	192	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	16.0	8.0
225 - 250	358 - 424	432	170	6xM20/6xM20	16.0	8.0
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

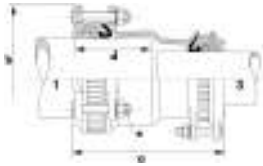
DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80 - 100	84 - 105	104 - 132	709 406 224	709 406 624	709 406 024
100 - 125	104 - 132	132 - 155	709 406 232	709 406 632	709 406 032
100 - 150	104 - 132	154 - 192	709 406 236	709 406 636	709 406 036
125 - 150	132 - 155	154 - 192	709 406 238	709 406 638	709 406 038

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
80 - 100	84 - 105	104 - 132	709 406 324	8.000
100 - 125	104 - 132	132 - 155	709 406 332	11.200
100 - 150	104 - 132	154 - 192	709 406 336	13.400
125 - 150	132 - 155	154 - 192	709 406 338	15.000

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

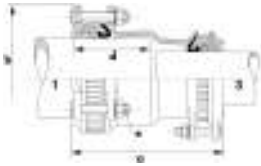
DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
80 - 100	84 - 105	104 - 132	709 409 224	709 409 624	709 409 024	
100 - 125	104 - 132	132 - 155	709 409 232	709 409 632	709 409 032	
100 - 150	104 - 132	154 - 192	709 409 236	709 409 636	709 409 036	
125 - 150	132 - 155	154 - 192	709 409 238	709 409 638	709 409 038	

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg	
80 - 100	84 - 105	104 - 132	709 409 324	8.000	
100 - 125	104 - 132	132 - 155	709 409 332	11.200	
100 - 150	104 - 132	154 - 192	709 409 336	13.400	
125 - 150	132 - 155	154 - 192	709 409 338	15.000	

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	

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

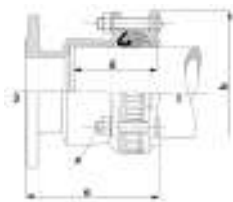
DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
80 - 100	84 - 105	104 - 132	709 408 224	709 408 624	709 408 024
100 - 125	104 - 132	132 - 155	709 408 232	709 408 632	709 408 032
100 - 150	104 - 132	154 - 192	709 408 236	709 408 636	709 408 036
125 - 150	132 - 155	154 - 192	709 408 238	709 408 638	709 408 038

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
80 - 100	84 - 105	104 - 132	709 408 324	8.000
100 - 125	104 - 132	132 - 155	709 408 332	11.200
100 - 150	104 - 132	154 - 192	709 408 336	13.400
125 - 150	132 - 155	154 - 192	709 408 338	15.000

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

Note:

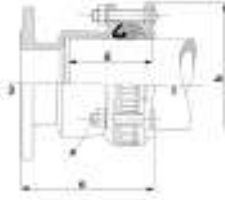
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
50 - 40	46 - 71	40	PN16	709 450 308	5.000	
65 - 80	69 - 90	80	PN16	709 450 318	6.600	
100 - 80	104 - 132	80	PN16	709 450 324	8.900	
125 - 100	132 - 155	100	PN16	709 450 332	11.500	
125 - 150	132 - 155	150	PN16	709 450 338	11.400	

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

PF 1 54 323 060



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

Model:

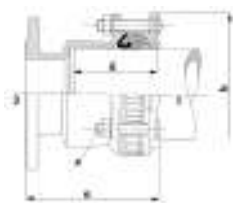
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
225 - 200	230 - 268	200	PN10	709 451 278	709 451 678	709 451 078	
225 - 200	230 - 268	200	PN16	709 451 279	709 451 679	709 451 079	
225 - 250	230 - 268	250	PN10	709 451 280	709 451 680	709 451 080	
225 - 250	230 - 268	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	kg	
225 - 200	230 - 268	200	PN10	709 451 378	28.900	
225 - 200	230 - 268	200	PN16	709 451 379	28.900	
225 - 250	230 - 268	250	PN10	709 451 380	27.900	
225 - 250	230 - 268	250	PN16	709 451 381	27.900	

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 Wide Range Reduction flange adaptor, restraint, Multi/Fiksers

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

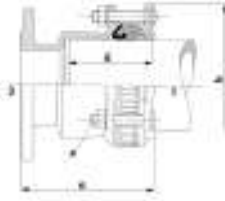
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
50 - 40	46 - 71	40	PN16	709 457 308	5.000	
65 - 80	69 - 90	80	PN16	709 457 318	6.600	
100 - 80	104 - 132	80	PN16	709 457 324	8.900	
125 - 100	132 - 155	100	PN16	709 457 332	11.600	
125 - 150	132 - 155	150	PN16	709 457 338	11.400	

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	

PF 1 54 323 061



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

Model:

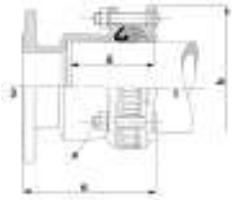
- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	
225 - 200	230 - 268	200	PN10	709 455 278	709 455 678	709 455 078	
225 - 200	230 - 268	200	PN16	709 455 279	709 455 679	709 455 079	
225 - 250	230 - 268	250	PN10	709 455 280	709 455 680	709 455 080	
225 - 250	230 - 268	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	kg	
225 - 200	230 - 268	200	PN10	709 455 378	29.100	
225 - 200	230 - 268	200	PN16	709 455 379	29.100	
225 - 250	230 - 268	250	PN10	709 455 380	28.100	
225 - 250	230 - 268	250	PN16	709 455 381	28.100	

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
225 - 200	274 - 301	386	190	6xM20	16.0	8.0	
225 - 200	274 - 301	386	190	6xM20	16.0	8.0	
225 - 250	212 - 239	386	130	6xM20	16.0*	8.0	
225 - 250	212 - 239	386	130	6xM20	16.0*	8.0	

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

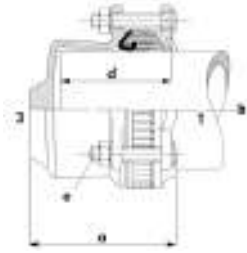
DN150 - DN300: see MULTI/JOINT® 3000 Plus

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	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
100 - 80	104 - 132	80	PN16	709 459 324	8.900	
125 - 100	132 - 155	100	PN16	709 459 332	11.600	
125 - 150	132 - 155	150	PN16	709 459 338	11.400	

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	

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

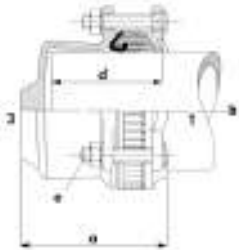
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	709 370 210	709 370 610	709 370 010	709 370 310	3.500
65	69 - 90	709 370 212	709 370 612	709 370 012	709 370 312	4.000
80	84 - 105	709 370 214	709 370 614	709 370 014	709 370 314	4.900
100	104 - 132	709 370 216	709 370 616	709 370 016	709 370 316	6.200
125	132 - 155	709 370 218	709 370 618	709 370 018	709 370 318	7.800
150	154 - 192	709 370 220	709 370 620	709 370 020	709 370 320	9.700

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

PF 1 54 323 060



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

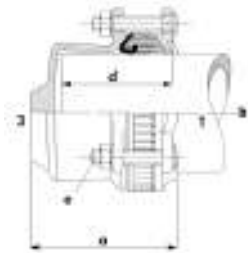
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg	
150	154 - 192	709 371 220	709 371 620	709 371 020	709 371 320		
200	192 - 232	709 371 224	709 371 624	709 371 024	709 371 324	18.200	
225	230 - 268	709 371 226	709 371 626	709 371 026	709 371 326	22.700	
250	267 - 310	709 371 228	709 371 628	709 371 028	709 371 328	26.700	
300	315 - 356	709 371 232	709 371 632	709 371 032	709 371 332	32.300	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

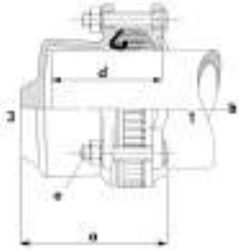
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	709 377 210	709 377 610	709 377 010	709 377 310	3.600
65	69 - 90	709 377 212	709 377 612	709 377 012	709 377 312	4.000
80	84 - 105	709 377 214	709 377 614	709 377 014	709 377 314	4.900
100	104 - 132	709 377 216	709 377 616	709 377 016	709 377 316	6.200
125	154 - 155	709 377 218	709 377 618	709 377 018	709 377 318	7.800
150	154 - 192	709 377 220	709 377 620	709 377 020	709 377 320	9.700

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

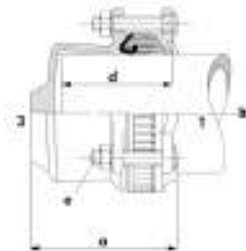
Note:

* ≤ ø 284 mm = 16 bar; >ø 284 mm = 10 bar

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg	
150	154 - 192	709 375 220	709 375 620	709 375 020	709 375 320		
200	192 - 232	709 375 224	709 375 624	709 375 024	709 375 324	18.300	
225	230 - 268	709 375 226	709 375 626	709 375 026	709 375 326	22.900	
250	267 - 310	709 375 228	709 375 628	709 375 028	709 375 328	26.900	
300	315 - 356	709 375 232	709 375 632	709 375 032	709 375 332	32.500	

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]	
150	149 - 177	304	120	4xM16	16.0	8.0	
200	180 - 207	354	140	6xM20	16.0	8.0	
225	211 - 242	386	145	6xM20	16.0	8.0	
250	214 - 249	432	170	6xM20	16.0*	8.0	
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

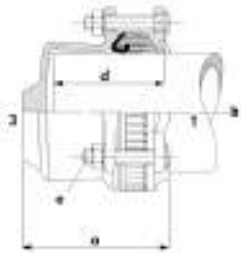
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg	
80	84 - 105	709 379 214	709 379 614	709 379 014	709 379 314	4.900	
100	104 - 132	709 379 216	709 379 616	709 379 016	709 379 316	6.200	
125	132 - 155	709 379 218	709 379 618	709 379 018	709 379 318	7.800	
150	154 - 192	709 379 220	709 379 620	709 379 020	709 379 320	9.700	

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	

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

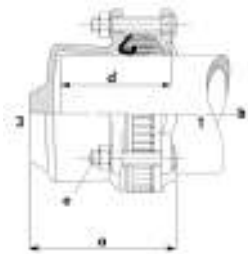
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	¾	709 380 204	709 380 604	709 380 004	709 380 304	3.500
50	46 - 71	1	709 380 205	709 380 605	709 380 005	709 380 305	3.500
50	46 - 71	1 ¼	709 380 206	709 380 606	709 380 006	709 380 306	3.500
50	46 - 71	1 ½	709 380 207	709 380 607	709 380 007	709 380 307	3.500
50	46 - 71	2	709 380 208	709 380 608	709 380 008	709 380 308	3.500
65	69 - 90	¾	709 380 209	709 380 609	709 380 009	709 380 309	4.000
65	69 - 90	1	709 380 210	709 380 610	709 380 010	709 380 310	4.000
65	69 - 90	1 ¼	709 380 211	709 380 611	709 380 011	709 380 311	4.000
65	69 - 90	1 ½	709 380 212	709 380 612	709 380 012	709 380 312	4.000
65	69 - 90	2	709 380 213	709 380 613	709 380 013	709 380 313	4.000
80	84 - 105	¾	709 380 214	709 380 614	709 380 014	709 380 314	4.900
80	84 - 105	1	709 380 215	709 380 615	709 380 015	709 380 315	4.900
80	84 - 105	1 ¼	709 380 216	709 380 616	709 380 016	709 380 316	4.900
80	84 - 105	1 ½	709 380 217	709 380 617	709 380 017	709 380 317	4.900
80	84 - 105	2	709 380 218	709 380 618	709 380 018	709 380 318	4.900
100	104 - 132	¾	709 380 219	709 380 619	709 380 019	709 380 319	6.200
100	104 - 132	1	709 380 220	709 380 620	709 380 020	709 380 320	6.200
100	104 - 132	1 ¼	709 380 221	709 380 621	709 380 021	709 380 321	6.200
100	104 - 132	1 ½	709 380 222	709 380 622	709 380 022	709 380 322	6.200
100	104 - 132	2	709 380 223	709 380 623	709 380 023	709 380 323	6.200
125	132 - 155	¾	709 380 224	709 380 624	709 380 024	709 380 324	7.800
125	132 - 155	1	709 380 225	709 380 625	709 380 025	709 380 325	7.800
125	132 - 155	1 ¼	709 380 226	709 380 626	709 380 026	709 380 326	7.800
125	132 - 155	1 ½	709 380 227	709 380 627	709 380 027	709 380 327	7.800
125	132 - 155	2	709 380 228	709 380 628	709 380 028	709 380 328	7.800
150	154 - 192	¾	709 380 229	709 380 629	709 380 029	709 380 329	9.700
150	154 - 192	1	709 380 230	709 380 630	709 380 030	709 380 330	9.700
150	154 - 192	1 ¼	709 380 231	709 380 631	709 380 031	709 380 331	9.700
150	154 - 192	1 ½	709 380 232	709 380 632	709 380 032	709 380 332	9.700
150	154 - 192	2	709 380 233	709 380 633	709 380 033	709 380 333	9.700

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
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

table continued next page



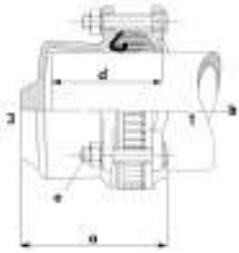
PF 1 54 323 060

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
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

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

Model:

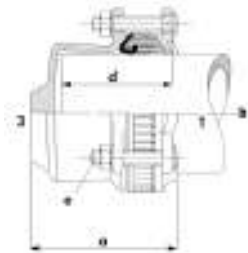
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced



DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
150	154 - 192	¾	709 381 229	709 381 629	709 381 029	709 381 329	9.700
150	154 - 192	1	709 381 230	709 381 630	709 381 030	709 381 330	9.700
150	154 - 192	1 ¼	709 381 231	709 381 631	709 381 031	709 381 331	9.700
150	154 - 192	1 ½	709 381 232	709 381 632	709 381 032	709 381 332	9.700
150	154 - 192	2	709 381 233	709 381 633	709 381 033	709 381 333	9.700
200	192 - 232	¾	709 381 234	709 381 634	709 381 034	709 381 334	18.200
200	192 - 232	1	709 381 235	709 381 635	709 381 035	709 381 335	18.200
200	192 - 232	1 ¼	709 381 236	709 381 636	709 381 036	709 381 336	18.200
200	192 - 232	1 ½	709 381 237	709 381 637	709 381 037	709 381 337	18.200
200	192 - 232	2	709 381 238	709 381 638	709 381 038	709 381 338	18.200
225	230 - 268	¾	709 381 249	709 381 649	709 381 049	709 381 349	22.700
225	230 - 268	1	709 381 250	709 381 650	709 381 050	709 381 350	22.700
225	230 - 268	1 ¼	709 381 251	709 381 651	709 381 051	709 381 351	22.700
225	230 - 268	1 ½	709 381 252	709 381 652	709 381 052	709 381 352	22.700
225	230 - 268	2	709 381 253	709 381 653	709 381 053	709 381 353	22.700
250	267 - 310	¾	709 381 239	709 381 639	709 381 039	709 381 339	26.700
250	267 - 310	1	709 381 240	709 381 640	709 381 040	709 381 340	26.700
250	267 - 310	1 ¼	709 381 241	709 381 641	709 381 041	709 381 341	26.700
250	267 - 310	1 ½	709 381 242	709 381 642	709 381 042	709 381 342	26.700
250	267 - 310	2	709 381 243	709 381 643	709 381 043	709 381 343	26.700
300	315 - 356	¾	709 381 244	709 381 644	709 381 044	709 381 344	32.300
300	315 - 356	1	709 381 245	709 381 645	709 381 045	709 381 345	32.300
300	315 - 356	1 ¼	709 381 246	709 381 646	709 381 046	709 381 346	32.300
300	315 - 356	1 ½	709 381 247	709 381 647	709 381 047	709 381 347	32.300
300	315 - 356	2	709 381 248	709 381 648	709 381 048	709 381 348	32.300

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150	154 - 192	304	120	4xM16	25.0	8.0
150	154 - 192	304	120	4xM16	25.0	8.0
150	154 - 192	304	120	4xM16	25.0	8.0
150	154 - 192	304	120	4xM16	25.0	8.0
150	154 - 192	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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

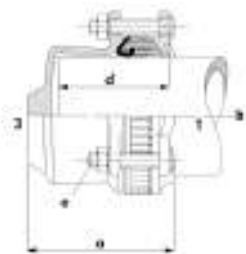
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	¾	709 387 204	709 387 604	709 387 004	709 387 304	3.600
50	46 - 71	1	709 387 205	709 387 605	709 387 005	709 387 305	3.600
50	46 - 71	1 ¼	709 387 206	709 387 606	709 387 006	709 387 306	3.600
50	46 - 71	1 ½	709 387 207	709 387 607	709 387 007	709 387 307	3.600
50	46 - 71	2	709 387 208	709 387 608	709 387 008	709 387 308	3.600
65	69 - 90	¾	709 387 209	709 387 609	709 387 009	709 387 309	4.000
65	69 - 90	1	709 387 210	709 387 610	709 387 010	709 387 310	4.000
65	69 - 90	1 ¼	709 387 211	709 387 611	709 387 011	709 387 311	4.000
65	69 - 90	1 ½	709 387 212	709 387 612	709 387 012	709 387 312	4.000
65	69 - 90	2	709 387 213	709 387 613	709 387 013	709 387 313	4.000
80	84 - 105	¾	709 387 214	709 387 614	709 387 014	709 387 314	4.900
80	84 - 105	1	709 387 215	709 387 615	709 387 015	709 387 315	4.900
80	84 - 105	1 ¼	709 387 216	709 387 616	709 387 016	709 387 316	4.900
80	84 - 105	1 ½	709 387 217	709 387 617	709 387 017	709 387 317	4.900
80	84 - 105	2	709 387 218	709 387 618	709 387 018	709 387 318	4.900
100	104 - 132	¾	709 387 219	709 387 619	709 387 019	709 387 319	6.200
100	104 - 132	1	709 387 220	709 387 620	709 387 020	709 387 320	6.200
100	104 - 132	1 ¼	709 387 221	709 387 621	709 387 021	709 387 321	6.200
100	104 - 132	1 ½	709 387 222	709 387 622	709 387 022	709 387 322	6.200
100	104 - 132	2	709 387 223	709 387 623	709 387 023	709 387 323	6.200
125	132 - 155	¾	709 387 224	709 387 624	709 387 024	709 387 324	7.800
125	132 - 155	1	709 387 225	709 387 625	709 387 025	709 387 325	7.800
125	132 - 155	1 ¼	709 387 226	709 387 626	709 387 026	709 387 326	7.800
125	132 - 155	1 ½	709 387 227	709 387 627	709 387 027	709 387 327	7.800
125	132 - 155	2	709 387 228	709 387 628	709 387 028	709 387 328	7.800
150	154 - 192	¾	709 387 229	709 387 629	709 387 029	709 387 329	9.700
150	154 - 192	1	709 387 230	709 387 630	709 387 030	709 387 330	9.700
150	154 - 192	1 ¼	709 387 231	709 387 631	709 387 031	709 387 331	9.700
150	154 - 192	1 ½	709 387 232	709 387 632	709 387 032	709 387 332	9.700
150	154 - 192	2	709 387 233	709 387 633	709 387 033	709 387 333	9.700

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
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

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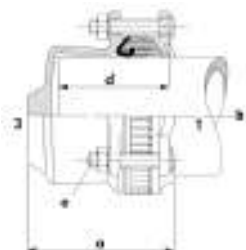
DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
100	144 - 163	236	110	3xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	120	4xM16	16.0	8.0
125	151 - 169	264	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
150	149 - 177	304	120	4xM16	16.0	8.0

PF 1 54 323 061

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

Model:

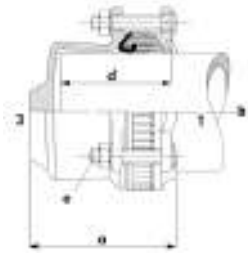
- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced



DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
150	154 - 192	¾	709 385 229	709 385 629	709 385 029	709 385 329	9.700
150	154 - 192	1	709 385 230	709 385 630	709 385 030	709 385 330	9.700
150	154 - 192	1 ¼	709 385 231	709 385 631	709 385 031	709 385 331	9.700
150	154 - 192	1 ½	709 385 232	709 385 632	709 385 032	709 385 332	9.700
150	154 - 192	2	709 385 233	709 385 633	709 385 033	709 385 333	9.700
200	192 - 232	¾	709 385 234	709 385 634	709 385 034	709 385 334	18.300
200	192 - 232	1	709 385 235	709 385 635	709 385 035	709 385 335	18.300
200	192 - 232	1 ¼	709 385 236	709 385 636	709 385 036	709 385 336	18.300
200	192 - 232	1 ½	709 385 237	709 385 637	709 385 037	709 385 337	18.300
200	192 - 232	2	709 385 238	709 385 638	709 385 038	709 385 338	18.300
225	230 - 268	¾	709 385 249	709 385 649	709 385 049	709 385 349	22.900
225	230 - 268	1	709 385 250	709 385 650	709 385 050	709 385 350	22.900
225	230 - 268	1 ¼	709 385 251	709 385 651	709 385 051	709 385 351	22.900
225	230 - 268	1 ½	709 385 252	709 385 652	709 385 052	709 385 352	22.900
225	230 - 268	2	709 385 253	709 385 653	709 385 053	709 385 353	22.100
250	267 - 310	¾	709 385 239	709 385 639	709 385 039	709 385 339	26.900
250	267 - 310	1	709 385 240	709 385 640	709 385 040	709 385 340	26.900
250	267 - 310	1 ¼	709 385 241	709 385 641	709 385 041	709 385 341	26.900
250	267 - 310	1 ½	709 385 242	709 385 642	709 385 042	709 385 342	26.900
250	267 - 310	2	709 385 243	709 385 643	709 385 043	709 385 343	26.900
300	315 - 356	¾	709 385 244	709 385 644	709 385 044	709 385 344	32.500
300	315 - 356	1	709 385 245	709 385 645	709 385 045	709 385 345	32.500
300	315 - 356	1 ¼	709 385 246	709 385 646	709 385 046	709 385 346	31.100
300	315 - 356	1 ½	709 385 247	709 385 647	709 385 047	709 385 347	31.100
300	315 - 356	2	709 385 248	709 385 648	709 385 048	709 385 348	31.100

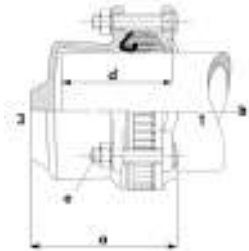
DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
150	149 - 177	304	120	4xM16	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0
200	180 - 207	354	140	6xM20	16.0	8.0

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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
225	211 - 242	386	145	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	16.0	8.0
225	211 - 242	386	145	6xM20	16.0	8.0
250	214 - 249	432	170	6xM20	16.0	8.0
250	214 - 249	432	170	6xM20	16.0	8.0
250	214 - 249	432	170	6xM20	16.0	8.0
250	214 - 249	432	170	6xM20	16.0	8.0
250	214 - 249	432	170	6xM20	16.0	8.0
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

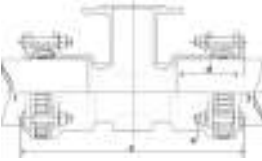
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
80	84 - 105	¾	709 389 214	709 389 614	709 389 014	709 389 314	4.900
80	84 - 105	1	709 389 215	709 389 615	709 389 015	709 389 315	4.900
80	84 - 105	1 ¼	709 389 216	709 389 616	709 389 016	709 389 316	4.900
80	84 - 105	1 ½	709 389 217	709 389 617	709 389 017	709 389 317	4.900
80	84 - 105	2	709 389 218	709 389 618	709 389 018	709 389 318	4.900
100	104 - 132	¾	709 389 219	709 389 619	709 389 019	709 389 319	6.200
100	104 - 132	1	709 389 220	709 389 620	709 389 020	709 389 320	6.200
100	104 - 132	1 ¼	709 389 221	709 389 621	709 389 021	709 389 321	6.200
100	104 - 132	1 ½	709 389 222	709 389 622	709 389 022	709 389 322	6.200
100	104 - 132	2	709 389 223	709 389 623	709 389 023	709 389 323	6.200
125	132 - 155	¾	709 389 224	709 389 624	709 389 024	709 389 324	7.800
125	132 - 155	1	709 389 225	709 389 625	709 389 025	709 389 325	7.800
125	132 - 155	1 ¼	709 389 226	709 389 626	709 389 026	709 389 326	7.800
125	132 - 155	1 ½	709 389 227	709 389 627	709 389 027	709 389 327	7.800
125	132 - 155	2	709 389 228	709 389 628	709 389 028	709 389 328	7.800
150	154 - 192	¾	709 389 229	709 389 629	709 389 029	709 389 329	9.700
150	154 - 192	1	709 389 230	709 389 630	709 389 030	709 389 330	9.700
150	154 - 192	1 ¼	709 389 231	709 389 631	709 389 031	709 389 331	9.700
150	154 - 192	1 ½	709 389 232	709 389 632	709 389 032	709 389 332	9.700
150	154 - 192	2	709 389 233	709 389 633	709 389 033	709 389 333	9.700

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
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

PF 1 54 323 061



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

Model:

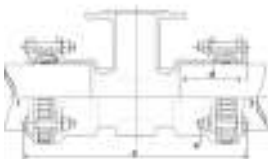
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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	NBR / A4 Code	
100	104 - 132	80	104 - 132	PN16	709 500 226	709 500 626	709 500 026	
150	154 - 192	80	154 - 192	PN16	709 500 234	709 500 634	709 500 034	

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
100	104 - 132	80	104 - 132	PN16	709 500 326	15.500	
150	154 - 192	80	154 - 192	PN16	709 500 334	23.900	

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® 3750 Plus Wide Range Tee, non-restraint

Model:

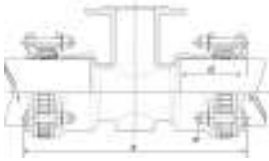
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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.
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
150	154 - 192	80	154 - 192	PN16	709 501 234	709 501 634	709 501 034

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code
150	154 - 192	80	154 - 192	PN16	709 501 334

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]
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:

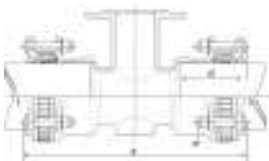
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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	NBR / A4 Code
100	104 - 132	80	104 - 132	PN16	709 507 226	709 507 626	709 507 026
150	154 - 192	80	154 - 192	PN16	709 507 234	709 507 634	709 507 034

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code	kg
100	104 - 132	80	104 - 132	PN16	709 507 326	15.600
150	154 - 192	80	154 - 192	PN16	709 507 334	23.900

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 Plus Wide Range Tee, restraint, Uni/Fiksers

Model:

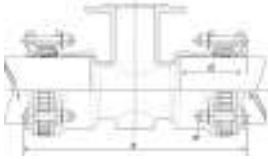
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
150	154 - 192	80	154 - 192	PN16	709 505 234	709 505 634	709 505 034

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code
150	154 - 192	80	154 - 192	PN16	709 505 334

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	h [mm]	PN Water [bar]	PN Gas [bar]
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:

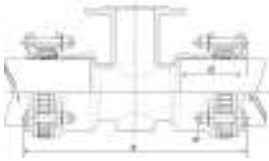
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	NBR / A4 Code	
100	104 - 132	80	104 - 132	PN16	709 509 226	709 509 626	709 509 026	
150	154 - 192	80	154 - 192	PN16	709 509 234	709 509 634	709 509 034	

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
100	104 - 132	80	104 - 132	PN16	709 509 326	15.600	
150	154 - 192	80	154 - 192	PN16	709 509 334	23.900	

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

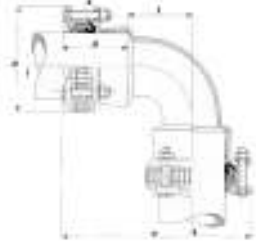
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	NBR / A4 Code	
100	104 - 132	80	104 - 132	PN16	709 508 226	709 508 626	709 508 026	
150	154 - 192	80	154 - 192	PN16	709 508 234	709 508 634	709 508 034	

DN [mm]	Range 1 [mm]	Flange 2 [mm]	Range 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
100	104 - 132	80	104 - 132	PN16	709 508 326	16.600	
150	154 - 192	80	154 - 192	PN16	709 508 334	22.200	

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	



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

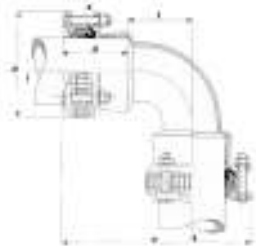
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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	kg
80	84 - 105	84 - 105	709 470 214	709 470 614	709 470 014	709 470 314	9.900
100	104 - 132	104 - 132	709 470 216	709 470 616	709 470 016	709 470 316	13.300
150	154 - 192	154 - 192	709 470 220	709 470 620	709 470 020	709 470 320	26.500

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® 3400 Plus Wide Range Bend, non-restraint

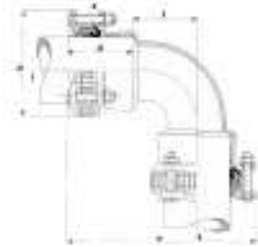
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	Range 1 [mm]	Range 3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code
150	154 - 192	154 - 192	709 471 220	709 471 620	709 471 020	709 471 320

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]
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

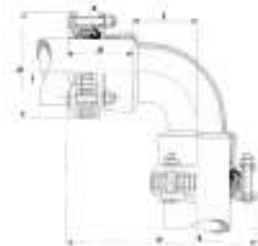
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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	kg
80	84 - 105	84 - 105	709 477 214	709 477 614	709 477 014	709 477 314	9.900
100	104 - 132	104 - 132	709 477 216	709 477 616	709 477 016	709 477 316	13.400
150	154 - 192	154 - 192	709 477 220	709 477 620	709 477 020	709 477 320	26.500

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 Plus Wide Range Bend, restraint, Uni/Fiksers

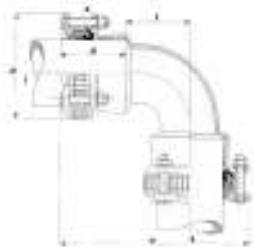
Model:

- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced
- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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
150	154 - 192	154 - 192	709 475 220	709 475 620	709 475 020	709 475 320

DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	PN Water [bar]	PN Gas [bar]
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

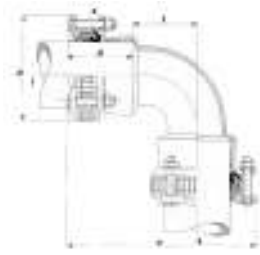
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	kg
80	84 - 105	84 - 105	709 479 214	709 479 614	709 479 014	709 479 314	9.900
100	104 - 132	104 - 132	709 479 216	709 479 616	709 479 016	709 479 316	13.400
150	154 - 192	154 - 192	709 479 220	709 479 620	709 479 020	709 479 320	26.500

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

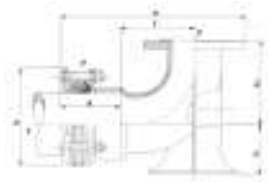
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	kg
80	84 - 105	84 - 105	709 478 214	709 478 614	709 478 014	709 478 314	9.900
100	104 - 132	104 - 132	709 478 216	709 478 616	709 478 016	709 478 316	13.400
150	154 - 192	154 - 192	709 478 220	709 478 620	709 478 020	709 478 320	26.500

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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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	2	709 480 208	709 480 608	709 480 008	
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	kg	
80	84 - 105	80	PN16	2	709 480 308	16.900	
100	104 - 132	100	PN16	2	709 480 319	15.500	

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	
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:

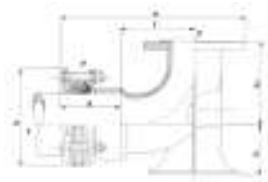
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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	2	709 487 208	709 487 608	709 487 008	
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	kg	
80	84 - 105	80	PN16	2	709 487 308	16.900	
100	104 - 132	100	PN16	2	709 487 319	15.500	

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
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	2	709 489 208	709 489 608	709 489 008
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	kg
80	84 - 105	80	PN16	2	709 489 308	16.900
100	104 - 132	100	PN16	2	709 489 319	15.500

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
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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	NBR / A4 Code
50 - 80	46 - 72	80	PN16	2	709 490 218	709 490 618	709 490 018
100 - 80	104 - 132	80	PN16	2	709 490 223	709 490 623	709 490 023
150 - 100	154 - 192	100	PN16	2	709 490 243	709 490 643	709 490 043

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code	kg
50 - 80	46 - 72	80	PN16	2	709 490 318	9.800
100 - 80	104 - 132	80	PN16	2	709 490 323	17.500
150 - 100	154 - 192	100	PN16	2	709 490 343	21.200

DN-DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
50 - 80	46 - 72	356 - 371	164	100	3xM12	140	90	174	25.0
100 - 80	104 - 132	408 - 426	236	110	3xM16	190	135	184	25.0
150 - 100	154 - 192	400 - 428	304	120	4xM16	169	160	180	25.0

PF 1 54 323 060



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

Model:

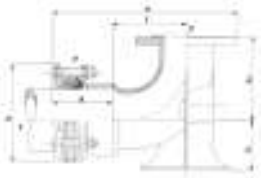
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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.
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
150 - 100	154 - 192	100	PN16	2	709 491 243	709 491 643	709 491 043

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code
150 - 100	154 - 192	100	PN16	2	709 491 343

DN-DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
150 - 100	154 - 192	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:

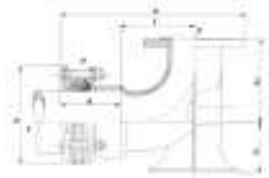
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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	NBR / A4 Code
50 - 80	46 - 72	80	PN16	2	709 497 218	709 497 618	709 497 018
65 - 80	69 - 90	80	PN10	2	709 497 236	709 497 636	709 497 036
65 - 80	69 - 90	80	PN16	2	709 497 230	709 497 630	709 497 030
100 - 80	104 - 132	80	PN16	2	709 497 223	709 497 623	709 497 023
125 - 80	132 - 155	80	PN10	2	709 497 261	709 497 661	709 497 061
125 - 80	132 - 155	80	PN16	2	709 497 248	709 497 648	709 497 048
150 - 80	154 - 192	80	PN10	2	709 497 273	709 497 673	709 497 073
150 - 80	154 - 192	80	PN16	2	709 497 267	709 497 667	709 497 067
150 - 100	154 - 192	100	PN16	2	709 497 243	709 497 643	709 497 043

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code	kg
50 - 80	46 - 72	80	PN16	2	709 497 318	13.100
65 - 80	69 - 90	80	PN10	2	709 497 336	13.100
65 - 80	69 - 90	80	PN16	2	709 497 330	13.100
100 - 80	104 - 132	80	PN16	2	709 497 323	17.500
125 - 80	132 - 155	80	PN10	2	709 497 361	15.900
125 - 80	132 - 155	80	PN16	2	709 497 348	15.900
150 - 80	154 - 192	80	PN10	2	709 497 373	19.100
150 - 80	154 - 192	80	PN16	2	709 497 367	19.100
150 - 100	154 - 192	100	PN16	2	709 497 343	21.200

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
50 - 80	356 - 371	164	100	3xM12	140	90	174	16.0
65 - 80	402 - 413	186	95	3xM12	170	90	180	16.0
65 - 80	402 - 413	186	95	3xM12	170	90	180	16.0
100 - 80	408 - 426	236	110	3xM16	190	135	184	16.0
125 - 80	394 - 412	264	120	4xM16	170	135	184	16.0
125 - 80	394 - 412	264	120	4xM16	170	135	184	16.0
150 - 80	407 - 435	264	120	4xM16	180	160	184	16.0
150 - 80	407 - 435	264	120	4xM16	180	160	184	16.0
150 - 100	400 - 428	304	120	4xM16	169	160	180	16.0

PF 1 54 323 061



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

Model:

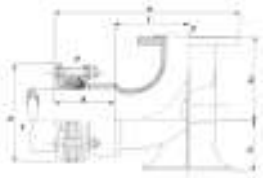
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code
150 - 80	154 - 192	80	PN10	2	709 495 273	709 495 673	709 495 073
150 - 80	154 - 192	80	PN16	2	709 495 267	709 495 667	709 495 067
150 - 100	154 - 192	100	PN16	2	709 495 243	709 495 643	709 495 043

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code
150 - 80	154 - 192	80	PN10	2	709 495 373
150 - 80	154 - 192	80	PN16	2	709 495 367
150 - 100	154 - 192	100	PN16	2	709 495 343

DN-DN [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
150 - 80	407 - 435	264	120	4xM16	180	160	184	16.0
150 - 80	407 - 435	264	120	4xM16	180	160	184	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:

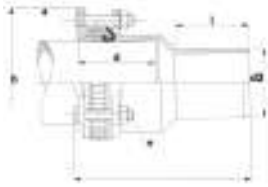
- Suitable for all kinds of pipe material
- Suitable for water and gas
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 8° per socket at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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	NBR / A4 Code
50 - 80	46 - 71	80	PN16	2	709 499 218	709 499 618	709 499 018
65 - 80	69 - 90	80	PN10	2	709 499 236	709 499 636	709 499 036
65 - 80	69 - 90	80	PN16	2	709 499 230	709 499 630	709 499 030
100 - 80	104 - 132	80	PN16	2	709 499 223	709 499 623	709 499 023
125 - 80	132 - 155	80	PN10	2	709 499 261	709 499 661	709 499 061
125 - 80	132 - 155	80	PN16	2	709 499 248	709 499 648	709 499 048
150 - 80	154 - 192	80	PN10	2	709 499 273	709 499 673	709 499 073
150 - 80	154 - 192	80	PN16	2	709 499 267	709 499 667	709 499 067
150 - 100	154 - 192	100	PN16	2	709 499 243	709 499 643	709 499 043

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	Rp [inch]	EPDM / A4 Code	kg
50 - 80	46 - 71	80	PN16	2	709 499 318	9.800
65 - 80	69 - 90	80	PN10	2	709 499 336	
65 - 80	69 - 90	80	PN16	2	709 499 330	
100 - 80	104 - 132	80	PN16	2	709 499 323	17.500
125 - 80	132 - 155	80	PN10	2	709 499 361	
125 - 80	132 - 155	80	PN16	2	709 499 348	
150 - 80	154 - 192	80	PN10	2	709 499 373	
150 - 80	154 - 192	80	PN16	2	709 499 367	
150 - 100	154 - 192	100	PN16	2	709 499 343	21.200

DN-DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h1 [mm]	h2 [mm]	PN Water [bar]
50 - 80	46 - 71	356 - 371	164	100	3xM12	140	90	174	16.0
65 - 80	69 - 90	402 - 413	186	95	3xM12	170	90	180	16.0
65 - 80	69 - 90	402 - 413	186	95	3xM12	170	90	180	16.0
100 - 80	104 - 132	408 - 426	236	110	3xM16	190	135	184	16.0
125 - 80	132 - 155	394 - 412	264	120	4xM16	170	135	184	16.0
125 - 80	132 - 155	394 - 412	264	120	4xM16	170	135	184	16.0
150 - 80	154 - 192	407 - 435	264	120	4xM16	180	160	184	16.0
150 - 80	154 - 192	407 - 435	264	120	4xM16	180	160	184	16.0
150 - 100	154 - 192	400 - 428	304	120	4xM16	169	160	180	16.0

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.

Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	d3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
50	46 - 71	63	709 330 210	709 330 610	709 330 010	709 330 310	3.400
100	104 - 132	110	709 330 216	709 330 616	709 330 016	709 330 316	7.300
150	154 - 192	160	709 330 220	709 330 620	709 330 020	709 330 320	11.700

DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
50	46 - 71	204 - 219	164	100	3xM12	75	25.0	8.0
100	104 - 132	258 - 277	269	110	3xM16	120	25.0	8.0
150	154 - 192	289 - 317	304	120	4xM16	135	25.0	8.0

PF 1 54 323 060



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

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
200	200	192 - 232	709 331 229	709 331 629	709 331 029	709 331 329	20.500

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 Wide Range Spigot, restraint, Multi/Fiksers

Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

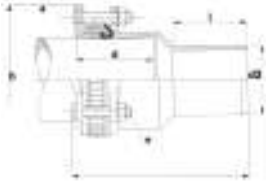
Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg	
50	63	46 - 71	709 337 210	709 337 610	709 337 010	709 337 310	3.400	
100	110	104 - 132	709 337 216	709 337 616	709 337 016	709 337 316	7.300	
150	160	154 - 192	709 337 220	709 337 620	709 337 020	709 337 320	11.700	

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

PF 1 54 323 061



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

Model:

- Suitable for all kinds of pipe material with the fully restraint Uni/Fiksers®
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Stainless steel A4 quality (AISI 316) Uni/Fiksers®
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook
- In the course of 2010 DN200 "e" will change from 6xM20 to 6xM16 bolts
- In the course of 2010 MULTI/JOINT® 3000 Plus DN150 will be introduced

DN [mm]	d3 [mm]	Range 1 [mm]	NBR / A2 Code		EPDM / A2 Code		NBR / A4 Code		EPDM / A4 Code		kg
150	160	154 - 192	709 335 220		709 335 620		709 335 020		709 335 320		11.700
200	200	192 - 232	709 335 229		709 335 629		709 335 029		709 335 329		20.600

DN [mm]	d3 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	L [mm]	PN Water [bar]	PN Gas [bar]
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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- For restraint versions, on plastic pipes, the use of an insert stiffener (see accessories) is mandatory, check our technical handbook

Note:

DN150 - DN300: see MULTI/JOINT® 3000 Plus

DN [mm]	Range 1 [mm]	d3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg	
50	46 - 71	63	709 339 210	709 339 610	709 339 010	709 339 310	3.400	
100	104 - 132	110	709 339 216	709 339 616	709 339 016	709 339 316	7.300	
150	154 - 192	160	709 339 220	709 339 620	709 339 020	709 339 320	11.700	

DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]	
50	46 - 71	204 - 219	164	100	3xM12	75	16.0	8.0	
100	104 - 132	258 - 277	269	110	3xM16	120	16.0	8.0	
150	154 - 192	289 - 317	304	120	4xM16	135	16.0	8.0	

PF 1 54 323 061



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

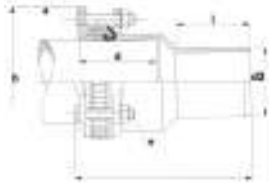
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- Nakan GPM Flekscores
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- 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	kg	
80	110	84 - 105	709 340 224	709 340 624	709 340 024	709 340 324	5.500	

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:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on rigid pipes (consult us about (asbestos) cement and GRP pipes)
- 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	kg
80	110	84 - 105	709 347 224	709 347 624	709 347 024	709 347 324	5.500

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

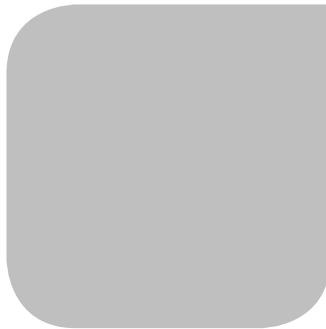
Model:

- Suitable for all kinds of pipe material
- Suitable for water and gas
- 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 at installation (based on the middle of the coupling range)
- 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 - DN150: best on all polyolefine pipes (PE, PP, ABS)
- 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]	d3 [mm]	NBR / A2 Code	EPDM / A2 Code	NBR / A4 Code	EPDM / A4 Code	kg
80	84 - 105	110	709 349 224	709 349 624	709 349 024	709 349 324	5.500

DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	l [mm]	PN Water [bar]	PN Gas [bar]
80	84 - 105	240 - 254	204	115	3xM12	120	16.0	8.0

PF 1 54 323 061



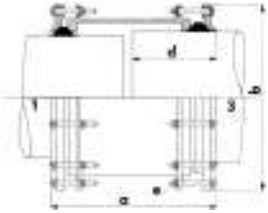
MULTI/JOINT® XL

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MULTI/JOINT® XL

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



Model:

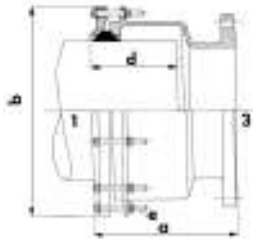
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- 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
350	356 - 380	356 - 380	709 006 200	709 006 600	709 006 000
400	400 - 429	400 - 429	709 006 205	709 006 605	709 006 005
450	450 - 482	450 - 482	709 006 207	709 006 607	709 006 007
500	500 - 532	500 - 532	709 006 210	709 006 610	709 006 010
600	605 - 637	605 - 637	709 006 215	709 006 615	709 006 015

DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
350	356 - 380	356 - 380	709 006 300	99.000
400	400 - 429	400 - 429	709 006 305	115.000
450	450 - 482	450 - 482	709 006 307	122.000
500	500 - 532	500 - 532	709 006 310	149.000
600	605 - 637	605 - 637	709 006 315	178.000

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:

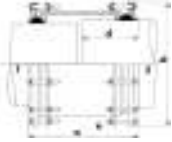
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- 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
350	356 - 380	350	PN16	709 008 256	709 008 656	709 008 056
400	400 - 429	400	PN10	709 008 260	709 008 660	709 008 060
400	400 - 429	400	PN16	709 008 261	709 008 661	709 008 061
500	500 - 532	500	PN10	709 008 264	709 008 664	709 008 064
500	500 - 532	500	PN16	709 008 265	709 008 665	709 008 065
600	605 - 637	600	PN10	709 008 270	709 008 670	709 008 070
600	605 - 637	600	PN16	709 008 271	709 008 671	709 008 071

DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg
350	356 - 380	350	PN10	709 008 355	77.000
350	356 - 380	350	PN16	709 008 356	77.000
400	400 - 429	400	PN10	709 008 360	88.000
400	400 - 429	400	PN16	709 008 361	88.000
500	500 - 532	500	PN10	709 008 364	120.000
500	500 - 532	500	PN16	709 008 365	120.000
600	605 - 637	600	PN10	709 008 370	170.000
600	605 - 637	600	PN16	709 008 371	142.000

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
350	360	551	240	8xM16	10.0	4.0
400	360	600	240	10xM16	10.0	4.0
400	360	600	240	10xM16	10.0	4.0
500	360	720	240	10xM20	10.0	4.0
500	360	720	240	10xM20	10.0	4.0
600	360	820	240	12xM20	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:

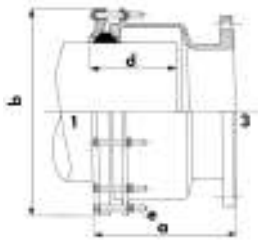
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- 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
300 - 350	315 - 337	356 - 380	709 007 205	709 007 605	709 007 005
350 - 400	356 - 380	400 - 429	709 007 207	709 007 607	709 007 007
400 - 450	400 - 429	450 - 482	709 007 210	709 007 610	709 007 010
450 - 500	450 - 482	500 - 532	709 007 212	709 007 612	709 007 012
500 - 550	500 - 532	548 - 580	709 007 215	709 007 615	709 007 015

DN-DN [mm]	Range 1 [mm]	Range 3 [mm]	EPDM / A4 Code	kg
300 - 350	315 - 337	356 - 380	709 007 305	102.000
350 - 400	356 - 380	400 - 429	709 007 307	114.000
400 - 450	400 - 429	450 - 482	709 007 310	125.000
450 - 500	450 - 482	500 - 532	709 007 312	145.000
500 - 550	500 - 532	548 - 580	709 007 315	160.000

DN-DN [mm]	Range 1 [mm]	a [mm]	b [mm]	d [mm]	e [mm]	PN Water [bar]	PN Gas [bar]
300 - 350	315 - 337	520	551	240	8xM16/8xM16	10.0	4.0
350 - 400	356 - 380	520	600	240	10xM16/8xM16	10.0	4.0
400 - 450	400 - 429	520	653	240	10xM16/10xM16	10.0	4.0
450 - 500	450 - 482	520	717	240	12xM20/10xM16	10.0	4.0
500 - 550	500 - 532	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:

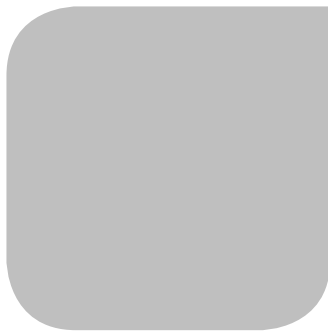
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- NBR or EPDM gasket, NBR acc. to EN 682 (-5°C up to +50°C), EPDM acc. to EN 681-1 (0°C up to +50°C)
- Angular deflection of max. 4° per socket (nominal)
- 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	
350 - 300	356 - 380	300	PN16	709 008 251	709 008 651	709 008 051	
450 - 400	450 - 482	400	PN10	709 008 262	709 008 662	709 008 062	
450 - 400	480 - 482	400	PN16	709 008 263	709 008 663	709 008 063	
550 - 500	548 - 580	500	PN10	709 008 266	709 008 666	709 008 066	
550 - 500	548 - 580	500	PN16	709 008 267	709 008 667	709 008 067	

DN-DN [mm]	Range 1 [mm]	Flange 3 [mm]	Drilling pattern	EPDM / A4 Code	kg	
350 - 300	356 - 380	300	PN10	709 008 350	78.000	
350 - 300	356 - 380	300	PN16	709 008 351	78.000	
450 - 400	450 - 482	400	PN10	709 008 362	94.000	
450 - 400	480 - 482	400	PN16	709 008 363	94.000	
550 - 500	548 - 580	500	PN10	709 008 366	130.000	
550 - 500	548 - 580	500	PN16	709 008 367	128.000	

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	
350 - 300	360	551	240	8xM16	10.0	4.0	
450 - 400	360	653	240	10xM16	10.0	4.0	
450 - 400	360	653	240	10xM16	10.0	4.0	
550 - 500	360	765	240	10xM20	10.0	4.0	
550 - 500	360	765	240	10xM20	10.0	4.0	

PF 1 54 323 062



ST-System

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ST-System

Coupling, non-restraint



Model:

- Body and clamp ring: steel (ST 37-2)
- Bolts and 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



Flange Adaptor, non-restraint

Model:

- Body and clamp ring: steel (ST 37-2)
- Bolts and 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



Reduction Coupling, non-restraint

Model:

- Body and clamp ring: steel (ST 37-2)
- Bolts and 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

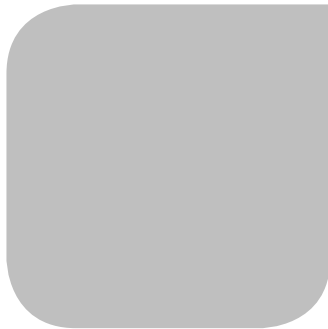


Reduction Flange Adaptor, non-restraint

Model:

- Body and clamp ring: steel (ST 37-2)
- Bolts and 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



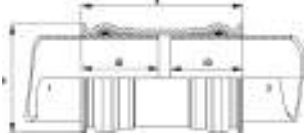
Plast/Joint®

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Plast/Joint®

Plast/Joint® 8000 Coupling, non-restraint

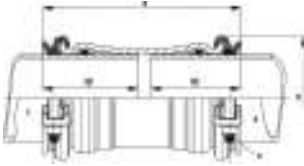


Model:

- 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
- When used in water applications, Plast/Joint® installed on PE and PVC pipes SDR 9, SDR 11 and SDR 17,6 do not require the use of insert stiffeners. For use on all other pipe SDR classes and applications in gas, the use of insert stiffeners is mandatory.
- For more information on the use of insert stiffeners please contact your local dealer

d [mm]	NBR Code	EPDM Code	kg	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	insertion depth [mm]
63	709 200 210	709 200 610	2.326	165	94	16.0	8.0	80
75	709 200 212	709 200 612	2.418	165	106	16.0	8.0	80
90	709 200 214	709 200 614	3.279	175	121	16.0	8.0	85
110	709 200 216	709 200 616	4.669	209	141	16.0	8.0	102
125	709 200 218	709 200 618	5.129	218	156	16.0	8.0	106
140	709 200 220	709 200 620	6.168	222	172	16.0	8.0	108
160	709 200 222	709 200 622	8.664	250	197	16.0	8.0	122
180	709 200 224	709 200 624	10.400	169	217	16.0	8.0	132
200	709 200 226	709 200 626	12.752	274	237	16.0	8.0	134
225	709 200 228	709 200 628	14.530	277	262	16.0	8.0	136
250	709 200 230	709 200 630	18.026	337	292	16.0	8.0	166
280	709 200 232	709 200 632	21.186	344	323	16.0	8.0	169
315	709 200 234	709 200 634	26.210	349	358	16.0	8.0	172

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
- Gripping in brass
- Gaskets NBR or EPDM
- Suitable for water and gas
- When used in water applications, Plast/Joint® installed on PE and PVC pipes SDR 9, SDR 11 and SDR 17,6 do not require the use of insert stiffeners. For use on all other pipe SDR classes and applications in gas, the use of insert stiffeners is mandatory.
- For more information on the use of insert stiffeners please contact your local dealer

d [mm]	NBR / A2 Code	NBR / A4 Code	EPDM / A2 Code	EPDM / A4 Code	kg
63	709 207 210	709 207 010	709 207 610	709 207 310	4.789
75	709 207 212	709 207 012	709 207 612	709 207 312	5.079
90	709 207 214	709 207 014	709 207 614	709 207 314	6.200
110	709 207 216	709 207 016	709 207 616	709 207 316	7.900
125	709 207 218	709 207 018	709 207 618	709 207 318	8.638
140	709 207 220	709 207 020	709 207 620	709 207 320	9.939
160	709 207 222	709 207 022	709 207 622	709 207 322	15.742
180	709 207 224	709 207 024	709 207 624	709 207 324	18.030
200	709 207 226	709 207 026	709 207 626	709 207 326	20.943
225	709 207 228	709 207 028	709 207 628	709 207 328	23.510
250	709 207 230	709 207 030	709 207 630	709 207 330	32.261
280	709 207 232	709 207 032	709 207 632	709 207 332	36.719
315	709 207 234	709 207 034	709 207 634	709 207 334	43.080

d [mm]	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	insertion depth [mm]
63	201	160	16.0	8.0	98
75	201	173	16.0	8.0	98
90	211	188	16.0	8.0	103
110	245	206	16.0	8.0	120
125	254	222	16.0	8.0	124
140	258	238	16.0	8.0	126
160	294	283	16.0	8.0	144
180	314	303	16.0	8.0	150
200	318	324	16.0	8.0	156
225	321	349	16.0	8.0	158
250	397	385	16.0	8.0	196
280	404	416	16.0	8.0	199
315	409	451	16.0	8.0	202

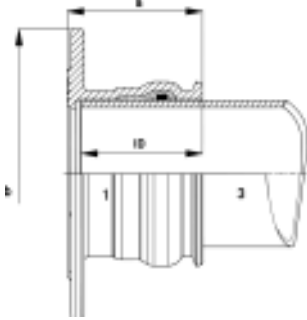
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Plast/Joint® 8050 Flange Adaptor, non-restraint

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
- When used in water applications, Plast/Joint® installed on PE and PVC pipes SDR 9, SDR 11 and SDR 17,6 do not require the use of insert stiffeners. For use on all other pipe SDR classes and applications in gas, the use of insert stiffeners is mandatory.
- For more information on the use of insert stiffeners please contact your local dealer



d [mm]	DN [mm]	Drilling pattern	NBR Code	EPDM Code	kg
63	50	PN16	709 250 210	709 250 610	2.451
75	65	PN16	709 250 212	709 250 612	2.723
90	80	PN16	709 250 214	709 250 614	3.495
110	100	PN16	709 250 216	709 250 616	4.457
125	100	PN16	709 250 218	709 250 618	4.372
140	125	PN16	709 250 220	709 250 620	5.465
160	150	PN16	709 250 222	709 250 622	7.763
180	150	PN16	709 250 224	709 250 624	7.716
200	200	PN10	709 250 225	709 250 625	12.112
200	200	PN16	709 250 226	709 250 626	12.112
225	200	PN10	709 250 227	709 250 627	11.930
225	200	PN16	709 250 228	709 250 628	11.930
250	250	PN10	709 250 229	709 250 629	15.985
250	250	PN16	709 250 230	709 250 630	15.985
280	250	PN10	709 250 231	709 250 631	16.660
280	250	PN16	709 250 232	709 250 632	16.660
315	300	PN10	709 250 233	709 250 633	21.954
315	300	PN16	709 250 234	709 250 634	21.410

d [mm]	DN [mm]	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	insertion depth [mm]
63	50	84	165	16.0	8.0	74
75	65	84	185	16.0	8.0	74
90	80	89	200	16.0	8.0	79
110	100	104	220	16.0	8.0	94
125	100	108	220	16.0	8.0	98
140	125	110	250	16.0	8.0	100
160	150	122	285	16.0	8.0	112
180	150	132	285	16.0	8.0	122
200	200	135	340	16.0	8.0	125
200	200	135	340	16.0	8.0	125
225	200	136	340	16.0	8.0	126
225	200	136	340	16.0	8.0	126
250	250	164	400	16.0	8.0	154
250	250	164	400	16.0	8.0	154
280	250	167	400	16.0	8.0	157
280	250	167	400	16.0	8.0	157
315	300	171	455	16.0	8.0	159
315	300	171	455	16.0	8.0	159

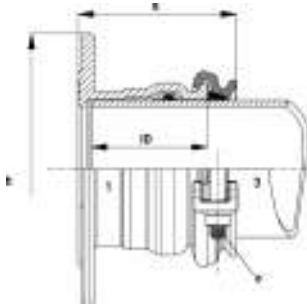
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Plast/Joint® 8057 Flange Adaptor, restraint

Model:

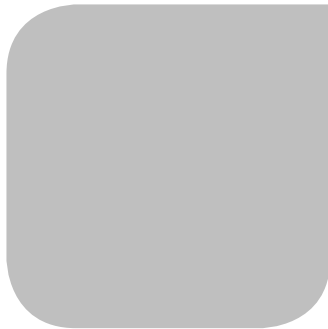
- Ductile Cast iron GGG45 body and clamping ring(s), acc. to EN-GJS-450-10
- RESICOAT® epoxy powder coating, according to GSK standards and EN 14901
- Stainless steel A2 quality (AISI 304) or A4 quality (AISI 316) bolts, nuts and washers
- Gripping in brass
- Gaskets NBR or EPDM
- Suitable for water and gas
- Flange drilling according to EN 1092-2
- When used in water applications, Plast/Joint® installed on PE and PVC pipes SDR 9, SDR 11 and SDR 17,6 do not require the use of insert stiffeners. For use on all other pipe SDR classes and applications in gas, the use of insert stiffeners is mandatory.
- For more information on the use of insert stiffeners please contact your local dealer



d [mm]	DN [mm]	Drilling pattern	NBR / A2 Code	NBR / A4 Code	EPDM / A2 Code	EPDM / A4 Code	kg
63	50	PN16	709 257 210	709 257 010	709 257 610	709 257 310	3.647
75	65	PN16	709 257 212	709 257 012	709 257 612	709 257 312	4.017
90	80	PN16	709 257 214	709 257 014	709 257 614	709 257 314	4.906
110	100	PN16	709 257 216	709 257 016	709 257 616	709 257 316	5.998
125	100	PN16	709 257 218	709 257 018	709 257 618	709 257 318	6.024
140	125	PN16	709 257 220	709 257 020	709 257 620	709 257 320	7.236
160	150	PN16	709 257 222	709 257 022	709 257 622	709 257 322	11.165
180	150	PN16	709 257 224	709 257 024	709 257 624	709 257 324	11.380
200	200	PN10	709 257 225	709 257 025	709 257 625	709 257 325	15.902
200	200	PN16	709 257 226	709 257 026	709 257 626	709 257 326	15.902
225	200	PN10	709 257 227	709 257 027	709 257 627	709 257 327	15.830
225	200	PN16	709 257 228	709 257 028	709 257 628	709 257 328	15.830
250	250	PN10	709 257 229	709 257 029	709 257 629	709 257 329	22.678
250	250	PN16	709 257 230	709 257 030	709 257 630	709 257 330	22.678
280	250	PN10	709 257 231	709 257 031	709 257 631	709 257 331	23.877
280	250	PN16	709 257 232	709 257 032	709 257 632	709 257 332	23.877
315	300	PN10	709 257 233	709 257 033	709 257 633	709 257 333	29.734
315	300	PN16	709 257 234	709 257 034	709 257 634	709 257 334	29.734

d [mm]	DN [mm]	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]	insertion depth [mm]
63	50	102	165	16.0	8.0	92
75	65	102	185	16.0	8.0	92
90	80	107	200	16.0	8.0	97
110	100	122	220	16.0	8.0	112
125	100	126	220	16.0	8.0	116
140	125	128	250	16.0	8.0	118
160	150	144	285	16.0	8.0	134
180	150	155	285	16.0	8.0	140
200	200	157	340	16.0	8.0	147
200	200	157	340	16.0	8.0	147
225	200	158	340	16.0	8.0	148
225	200	158	340	16.0	8.0	148
250	250	194	400	16.0	8.0	184
250	250	194	400	16.0	8.0	184
280	250	197	400	16.0	8.0	187
280	250	197	400	16.0	8.0	187
315	300	201	455	16.0	8.0	189
315	300	201	455	16.0	8.0	189

PF 1 54 932 001



Accessories

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MULTI/JOINT® Accessories

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
900	17.6	225	709 026 183
900	11.0	225	709 026 182
1000	17.0	225	709 026 191
1000	11.0	225	709 026 192
1200	17.6	225	709 026 185
1200	11.0	225	709 026 184
1400	17.6	225	709 026 187
1400	17.6	225	709 026 196
1400	11.0	225	709 026 186
1600	17.6	225	709 026 195

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

PF 1 54 323 063



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

PF 1 54 323 063



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

PF 1 54 323 063



Uni/Fleks® ring

Model:

- Consists of a segmented plastic ring 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	
150	154 - 192	709 390 040	709 390 140	
200	192 - 232	709 390 044	709 390 144	
225	230 - 268	709 390 046	709 390 146	
250	267 - 310	709 390 048	709 390 148	
300	315 - 356	709 390 052	709 390 152	

PF 1 54 323 063



Uni/Fiks® ring with Uni/Fiksers®

Model:

- Consists of a segmented plastic ring and Varioseal® (gasket) + Uni/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)
- Restraint on all pipe materials
- For AC and GRP pipes please contact us

DN [mm]	Range [mm]	NBR Code	EPDM Code	
150	154 - 192	709 597 240	709 597 640	
200	192 - 232	709 597 244	709 597 644	
225	230 - 268	709 597 246	709 597 646	
250	267 - 310	709 597 248	709 597 648	
300	315 - 356	709 597 252	709 597 652	

PF 1 54 323 063



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]	Fiksers (qty)	Code
50	46 - 71	4	709 597 350
65	69 - 90	4	709 597 352
80	84 - 105	4	709 597 354
100	104 - 132	4	709 597 356
125	132 - 155	4	709 597 358
150	154 - 192	6	709 597 360

PF 1 54 323 063



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]	Fiksers (qty)	Code
80	84 - 105	5	709 599 354
100	104 - 132	7	709 599 356
125	132 - 155	6	709 599 358
150	154 - 192	7	709 599 360

PF 1 54 323 063



Uni/Fikser® set

Model:

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

DN [mm]	Range [mm]	Fiksers (qty)	Code
150	154 - 192	40	709 597 260
200	192 - 232	39	709 597 264
225	230 - 267	45	709 597 266
250	267 - 310	53	709 597 268
300	315 - 356	60	709 597 272

PF 1 54 323 063





Bolts set MULTI/JOINT® 3000 / 3000 Plus - 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
	-	50 - 65 - 80	3xM12	700 618 940
100	-	- -	3xM16	700 618 942
125	-	- -	4xM16	700 618 944
	150 - 200	- -	6xM16	700 618 946
	225 - 250	- -	6xM20	700 618 948
300	-	- -	8xM20	700 618 950

PF 1 54 323 063



Bolts set MULTI/JOINT® 3000 / 3000 Plus - 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
	-	50 - 65 - 80	3xM12	700 618 910
100	-	- -	3xM16	700 618 912
125	-	- -	4xM16	700 618 914
	150 - 200	- -	6xM16	700 618 918
	225 - 250	- -	6xM20	700 618 916
300	-	- -	8xM20	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	8xM16	700 618 970
400 - 450	10xM16	700 618 972
500 - 550	10xM20	700 618 974
600 -	12xM20	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:

- Suitable for potable water

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



Torque key wrench set

Model:

- 1 torque key 20-200 Nm
- 4 wrench keys sizes: 19, 22, 24 and 30
- 4 ring spanners sizes: 19, 22, 24 and 30
- robust metal case

description	Code
basic set	200 008 083

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



Adaptor set

Model:

- 1 ratchet key 20-200 Nm
- 3 adaptors sizes: 19, 24 and 30
- compatible with the torque key of set

description	Code	
adaptor set + ratchet key	200 008 084	

PF 1 54 329 012



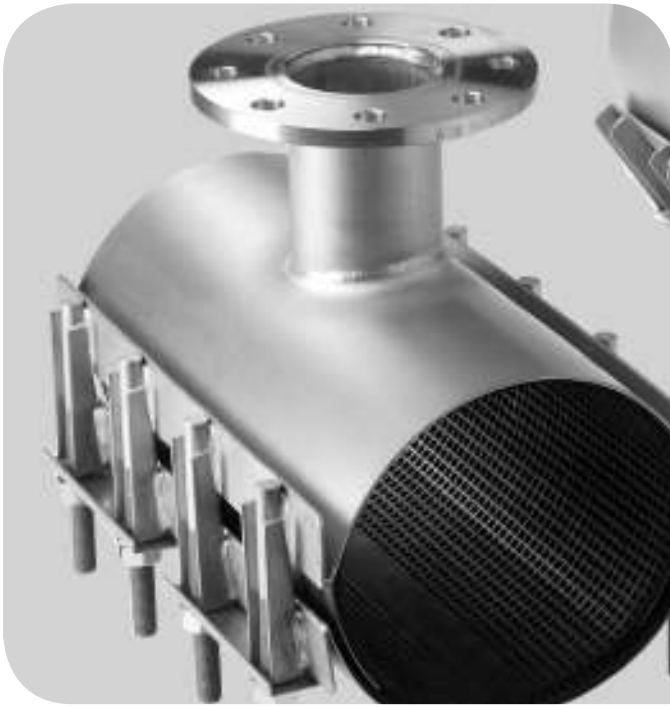
Wrench key / c.w. Ratchet

Model:

- the wrench keys are available in 4 different sizes

description	Code	
wrench key 19 mm	200 008 070	
wrench key 22 mm	200 008 071	
wrench key 24 mm	200 008 072	
wrench key 30 mm	200 008 073	

PF 1 54 329 012



Multi/Clamp

Contents Multi-Clamp

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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]	PN Water [bar]	NBR Code	kg	
15 - 22	16.0	724 208 010	0.300	
21 - 25	16.0	724 208 019	0.300	
26 - 30	16.0	724 208 028	0.300	
33 - 37	16.0	724 208 037	0.300	
37 - 41	16.0	724 208 046	0.300	
42 - 45	16.0	724 208 055	0.400	
48 - 51	16.0	724 208 064	0.400	
50 - 54	16.0	724 208 073	0.400	
55 - 58	16.0	724 208 082	0.400	
60 - 64	16.0	724 208 091	0.400	
62 - 66	16.0	724 208 100	0.400	
65 - 69	16.0	724 208 109	0.400	
69 - 73	16.0	724 208 118	0.400	
71 - 76	16.0	724 208 127	0.400	
74 - 80	16.0	724 208 136	0.500	
87 - 93	16.0	724 208 145	0.500	
94 - 100	16.0	724 208 154	0.500	
99 - 104	16.0	724 208 163	0.500	
105 - 111	16.0	724 208 172	0.600	
112 - 117	10.0	724 208 181	0.600	
115 - 121	10.0	724 208 190	0.600	
120 - 126	10.0	724 208 199	0.600	
126 - 131	10.0	724 208 208	0.700	
131 - 136	10.0	724 208 217	0.700	
139 - 145	10.0	724 208 226	0.700	
149 - 155	10.0	724 208 235	0.800	
156 - 162	10.0	724 208 244	0.800	
167 - 173	10.0	724 208 253	0.800	
173 - 179	10.0	724 208 262	0.800	
200 - 206	10.0	724 208 271	0.900	
217 - 223	10.0	724 208 280	0.900	
223 - 229	10.0	724 208 289	1.001	
272 - 278	6.0	724 208 298	1.001	
323 - 329	6.0	724 208 307	1.200	

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]	PN Water [bar]	NBR Code	kg
15 - 22	16.0	724 208 011	0.500
21 - 25	16.0	724 208 020	0.600
26 - 30	16.0	724 208 029	0.600
33 - 37	16.0	724 208 038	0.600
37 - 41	16.0	724 208 047	0.600
42 - 45	16.0	724 208 056	0.700
48 - 51	16.0	724 208 065	0.700
50 - 54	16.0	724 208 074	0.700
55 - 58	16.0	724 208 083	0.700
60 - 64	16.0	724 208 092	0.800
62 - 66	16.0	724 208 101	0.800
65 - 69	16.0	724 208 110	0.800
69 - 73	16.0	724 208 119	0.800
71 - 76	16.0	724 208 128	0.800
74 - 80	16.0	724 208 137	0.900
87 - 93	16.0	724 208 146	1.001
94 - 100	16.0	724 208 155	1.001
99 - 104	16.0	724 208 164	1.001
105 - 111	16.0	724 208 173	1.100
112 - 117	10.0	724 208 182	1.100
115 - 121	10.0	724 208 191	1.100
120 - 126	10.0	724 208 200	1.100
126 - 131	10.0	724 208 209	1.200
131 - 136	10.0	724 208 218	1.200
139 - 145	10.0	724 208 227	1.200
149 - 155	10.0	724 208 236	1.300
156 - 162	10.0	724 208 245	1.300
167 - 173	10.0	724 208 254	1.300
173 - 179	10.0	724 208 263	1.300
200 - 206	10.0	724 208 272	1.400
217 - 223	10.0	724 208 281	1.400
223 - 229	10.0	724 208 290	1.500
272 - 278	6.0	724 208 299	1.500
323 - 329	6.0	724 208 308	1.700

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]	PN Water [bar]	NBR Code	kg
15 - 22	16.0	724 208 012	0.800
21 - 25	16.0	724 208 021	0.800
26 - 30	16.0	724 208 030	0.900
33 - 37	16.0	724 208 039	0.900
37 - 41	16.0	724 208 048	0.900
42 - 45	16.0	724 208 057	1.001
48 - 51	16.0	724 208 066	1.001
50 - 54	16.0	724 208 075	1.001
55 - 58	16.0	724 208 084	1.100
60 - 64	16.0	724 208 093	1.100
62 - 66	16.0	724 208 102	1.100
65 - 69	16.0	724 208 111	1.200
69 - 73	16.0	724 208 120	1.200
71 - 76	16.0	724 208 129	1.200
74 - 80	16.0	724 208 138	1.300
87 - 93	16.0	724 208 147	1.400
94 - 100	16.0	724 208 156	1.500
99 - 104	16.0	724 208 165	1.500
105 - 111	16.0	724 208 174	1.600
112 - 117	10.0	724 208 183	1.600
115 - 121	10.0	724 208 192	1.600
120 - 126	10.0	724 208 201	1.600
126 - 131	10.0	724 208 210	1.700
131 - 136	10.0	724 208 219	1.700
139 - 145	10.0	724 208 228	1.700
149 - 155	10.0	724 208 237	1.800
156 - 162	10.0	724 208 246	1.800
167 - 173	10.0	724 208 255	1.800
173 - 179	10.0	724 208 264	1.800
200 - 206	10.0	724 208 273	1.900
217 - 223	10.0	724 208 282	1.900
223 - 229	10.0	724 208 291	2.000
272 - 278	6.0	724 208 300	2.000
323 - 329	6.0	724 208 309	2.200

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]	PN Water [bar]	NBR Code	kg
19 - 23	16.0	724 209 010	0.600
25 - 29	16.0	724 209 019	0.600
32 - 36	16.0	724 209 028	0.600
38 - 42	16.0	724 209 037	0.600
44 - 51	16.0	724 209 046	0.800
48 - 55	16.0	724 209 055	1.050
54 - 58	16.0	724 209 064	0.900
60 - 64	16.0	724 209 073	1.050
63 - 70	16.0	724 209 082	1.120
67 - 74	16.0	724 209 091	1.120
70 - 77	16.0	724 209 100	1.120
73 - 80	16.0	724 209 109	1.120
75 - 83	16.0	724 209 118	1.120
82 - 90	16.0	724 209 127	1.200
87 - 97	16.0	724 209 136	1.200
95 - 104	16.0	724 209 145	1.200
98 - 108	16.0	724 209 154	1.200
102 - 112	16.0	724 209 163	1.350
108 - 118	16.0	724 209 172	1.350
113 - 123	16.0	724 209 181	1.350
118 - 128	16.0	724 209 190	1.350
120 - 131	16.0	724 209 199	1.350

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]	PN Water [bar]	NBR Code	kg
54 - 58	16.0	724 209 065	1.400
60 - 64	16.0	724 209 074	1.400
63 - 70	16.0	724 209 083	1.500
67 - 74	16.0	724 209 092	1.500
70 - 77	16.0	724 209 101	1.500
73 - 80	16.0	724 209 110	1.500
75 - 83	16.0	724 209 119	1.500
82 - 90	16.0	724 209 128	1.600
87 - 97	16.0	724 209 137	1.600
95 - 104	16.0	724 209 146	1.600
98 - 108	16.0	724 209 155	1.600
102 - 112	16.0	724 209 164	1.800
108 - 118	16.0	724 209 173	1.800
113 - 123	16.0	724 209 182	1.800
118 - 128	16.0	724 209 191	1.800
120 - 131	16.0	724 209 200	1.800
125 - 135	16.0	724 209 209	2.100
133 - 144	16.0	724 209 218	2.100
139 - 150	16.0	724 209 227	2.100
145 - 155	16.0	724 209 236	2.100
151 - 161	16.0	724 209 245	2.200
159 - 170	16.0	724 209 254	2.200
165 - 175	16.0	724 209 263	2.200
168 - 180	16.0	724 209 272	2.200
176 - 186	10.0	724 209 281	2.600

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]	PN Water [bar]	NBR Code	kg	
95 - 104	16.0	724 209 147	2.000	
98 - 108	16.0	724 209 156	2.000	
102 - 112	16.0	724 209 165	2.200	
108 - 118	16.0	724 209 174	2.200	
113 - 123	16.0	724 209 183	2.200	
118 - 128	16.0	724 209 192	2.200	
120 - 131	16.0	724 209 201	2.200	
125 - 135	16.0	724 209 210	2.600	
133 - 144	16.0	724 209 219	2.600	
139 - 150	16.0	724 209 228	2.600	
145 - 155	16.0	724 209 237	2.600	
151 - 161	16.0	724 209 246	2.800	
159 - 170	16.0	724 209 255	2.800	
165 - 175	16.0	724 209 264	2.800	
168 - 180	16.0	724 209 273	2.800	
176 - 186	10.0	724 209 282	3.200	
180 - 191	10.0	724 209 291	3.200	
193 - 203	10.0	724 209 300	3.200	
200 - 210	10.0	724 209 309	3.500	
209 - 220	10.0	724 209 318	3.600	

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]	PN Water [bar]	NBR Code	kg
19 - 23	16.0	724 211 010	0.400
25 - 29	16.0	724 211 026	0.400
32 - 36	16.0	724 211 042	0.400
38 - 42	16.0	724 211 058	0.400

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]	PN Water [bar]	NBR Code	kg
19 - 23	16.0	724 211 011	0.800
25 - 29	16.0	724 211 027	0.800
32 - 36	16.0	724 211 043	0.800
38 - 42	16.0	724 211 059	0.800
44 - 51	16.0	724 211 075	1.400
48 - 55	16.0	724 211 091	1.400
52 - 59	16.0	724 211 107	1.400
57 - 64	16.0	724 211 123	1.400
60 - 67	16.0	724 211 139	1.400
63 - 70	16.0	724 211 155	1.500
67 - 74	16.0	724 211 171	1.500
70 - 77	16.0	724 211 187	1.500
73 - 80	16.0	724 211 203	1.500
75 - 83	16.0	724 211 219	1.500
82 - 90	16.0	724 211 235	1.600
87 - 97	16.0	724 211 251	1.600
95 - 104	16.0	724 211 267	1.600
98 - 108	16.0	724 211 283	1.600
102 - 112	16.0	724 211 299	1.800
108 - 118	16.0	724 211 315	1.800
113 - 123	16.0	724 211 331	1.800
118 - 128	16.0	724 211 347	1.800
120 - 131	16.0	724 211 363	1.800
125 - 135	16.0	724 211 379	2.100
133 - 144	16.0	724 211 395	2.100
139 - 150	16.0	724 211 411	2.100
145 - 155	16.0	724 211 427	2.100
151 - 161	16.0	724 211 443	2.200
159 - 170	16.0	724 211 459	2.200
165 - 175	16.0	724 211 475	2.200
168 - 180	16.0	724 211 491	2.200

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]	PN Water [bar]	NBR Code	kg
44 - 51	16.0	724 211 076	1.600
48 - 55	16.0	724 211 092	1.600
52 - 59	16.0	724 211 108	1.700
57 - 64	16.0	724 211 124	1.700
60 - 67	16.0	724 211 140	1.700
63 - 70	16.0	724 211 156	1.800
67 - 74	16.0	724 211 172	1.800
70 - 77	16.0	724 211 188	1.800
73 - 80	16.0	724 211 204	1.800
75 - 83	16.0	724 211 220	1.800
82 - 90	16.0	724 211 236	2.000
87 - 97	16.0	724 211 252	2.000
95 - 104	16.0	724 211 268	2.000
98 - 108	16.0	724 211 284	2.000
102 - 112	16.0	724 211 300	2.200
108 - 118	16.0	724 211 316	2.200
113 - 123	16.0	724 211 332	2.200
118 - 128	16.0	724 211 348	2.200
120 - 131	16.0	724 211 364	2.200
125 - 135	16.0	724 211 380	2.600
133 - 144	16.0	724 211 396	2.600
139 - 150	16.0	724 211 412	2.600
145 - 155	16.0	724 211 428	2.600
151 - 161	16.0	724 211 444	2.800
159 - 170	16.0	724 211 460	2.800
165 - 175	16.0	724 211 476	2.800
168 - 180	16.0	724 211 492	2.800
176 - 186	10.0	724 211 508	3.200
180 - 191	10.0	724 211 524	3.200
193 - 203	10.0	724 211 540	3.200
200 - 210	10.0	724 211 556	3.500
209 - 220	10.0	724 211 572	3.500
215 - 226	10.0	724 211 588	3.500
219 - 230	10.0	724 211 604	3.500
222 - 233	10.0	724 211 620	3.500
228 - 240	10.0	724 211 636	3.800
243 - 253	10.0	724 211 652	3.800
252 - 262	10.0	724 211 668	3.900
261 - 271	10.0	724 211 684	3.900
271 - 281	10.0	724 211 700	3.900
280 - 290	10.0	724 211 716	3.900
294 - 304	10.0	724 211 732	3.900
300 - 310	10.0	724 211 748	4.300
310 - 320	10.0	724 211 764	4.300
315 - 326	10.0	724 211 780	4.300
320 - 330	10.0	724 211 796	4.300
324 - 334	10.0	724 211 812	4.300
335 - 346	10.0	724 211 828	4.300

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]	PN Water [bar]	NBR Code	kg
60 - 67	16.0	724 211 141	2.300
63 - 70	16.0	724 211 157	2.500
67 - 74	16.0	724 211 173	2.500
70 - 77	16.0	724 211 189	2.500
73 - 80	16.0	724 211 205	2.500
75 - 83	16.0	724 211 221	2.500
82 - 90	16.0	724 211 237	2.700
87 - 97	16.0	724 211 253	2.700
95 - 104	16.0	724 211 269	2.700
98 - 108	16.0	724 211 285	2.700
102 - 112	16.0	724 211 301	3.000
108 - 118	16.0	724 211 317	3.000
113 - 123	16.0	724 211 333	3.000
118 - 128	16.0	724 211 349	3.000
120 - 131	16.0	724 211 365	3.000
125 - 135	16.0	724 211 381	3.400
133 - 144	16.0	724 211 397	3.400
139 - 150	16.0	724 211 413	3.400
145 - 155	16.0	724 211 429	3.400
151 - 161	16.0	724 211 445	3.700
159 - 170	16.0	724 211 461	3.700
165 - 175	16.0	724 211 477	3.700
168 - 180	16.0	724 211 493	3.700
176 - 186	10.0	724 211 509	4.200
180 - 191	10.0	724 211 525	4.200
193 - 203	10.0	724 211 541	4.200
200 - 210	10.0	724 211 557	4.700
209 - 220	10.0	724 211 573	4.700
215 - 226	10.0	724 211 589	4.700
219 - 230	10.0	724 211 605	4.700
222 - 233	10.0	724 211 621	4.700
228 - 240	10.0	724 211 637	4.900
243 - 253	10.0	724 211 653	4.900
252 - 262	10.0	724 211 669	5.200
261 - 271	10.0	724 211 685	5.200
271 - 281	10.0	724 211 701	5.200
280 - 290	10.0	724 211 717	5.200
294 - 304	10.0	724 211 733	5.200
300 - 310	10.0	724 211 749	5.600
310 - 320	10.0	724 211 765	5.600
315 - 326	10.0	724 211 781	5.600
320 - 330	10.0	724 211 797	5.600
324 - 334	10.0	724 211 813	5.600
335 - 346	10.0	724 211 829	5.600

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]	PN Water [bar]	NBR Code	kg
60 - 67	16.0	724 211 142	2.600
63 - 70	16.0	724 211 158	2.800
67 - 74	16.0	724 211 174	2.800
70 - 77	16.0	724 211 190	2.800
73 - 80	16.0	724 211 206	2.800
75 - 83	16.0	724 211 222	2.800
82 - 90	16.0	724 211 238	3.000
87 - 97	16.0	724 211 254	3.000
95 - 104	16.0	724 211 270	3.000
98 - 108	16.0	724 211 286	3.000
102 - 112	16.0	724 211 302	3.400
108 - 118	16.0	724 211 318	3.400
113 - 123	16.0	724 211 334	3.400
118 - 128	16.0	724 211 350	3.400
120 - 131	16.0	724 211 366	3.400
125 - 135	16.0	724 211 382	4.000
133 - 144	16.0	724 211 398	4.000
139 - 150	16.0	724 211 414	4.000
145 - 155	16.0	724 211 430	4.000
151 - 161	16.0	724 211 446	4.300
159 - 170	16.0	724 211 462	4.300
165 - 175	16.0	724 211 478	4.300
168 - 180	16.0	724 211 494	4.300
176 - 186	10.0	724 211 510	4.900
180 - 191	10.0	724 211 526	4.900
193 - 203	10.0	724 211 542	4.900
200 - 210	10.0	724 211 558	5.400
209 - 220	10.0	724 211 574	5.400
215 - 226	10.0	724 211 590	5.400
219 - 230	10.0	724 211 606	5.400
222 - 233	10.0	724 211 622	5.400
228 - 240	10.0	724 211 638	6.100
243 - 253	10.0	724 211 654	6.100
252 - 262	10.0	724 211 670	6.400
261 - 271	10.0	724 211 686	6.400
271 - 281	10.0	724 211 702	6.400
280 - 290	10.0	724 211 718	6.400
294 - 304	10.0	724 211 734	6.400
300 - 310	10.0	724 211 750	6.900
310 - 320	10.0	724 211 766	6.900
315 - 326	10.0	724 211 782	6.900
320 - 330	10.0	724 211 798	6.900
324 - 334	10.0	724 211 814	6.900
335 - 346	10.0	724 211 830	6.900

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]	PN Water [bar]	NBR Code	kg
63 - 70	16.0	724 211 159	3.600
67 - 74	16.0	724 211 175	3.600
70 - 77	16.0	724 211 191	3.600
73 - 80	16.0	724 211 207	3.600
75 - 83	16.0	724 211 223	3.600
82 - 90	16.0	724 211 239	3.900
87 - 97	16.0	724 211 255	3.900
95 - 104	16.0	724 211 271	3.900
98 - 108	16.0	724 211 287	3.900
102 - 112	16.0	724 211 303	4.500
108 - 118	16.0	724 211 319	4.500
113 - 123	16.0	724 211 335	4.500
118 - 128	16.0	724 211 351	4.500
120 - 131	16.0	724 211 367	4.500
125 - 135	16.0	724 211 383	5.200
133 - 144	16.0	724 211 399	5.200
139 - 150	16.0	724 211 415	5.200
145 - 155	16.0	724 211 431	5.200
151 - 161	16.0	724 211 447	5.600
159 - 170	16.0	724 211 463	5.600
165 - 175	16.0	724 211 479	5.600
168 - 180	16.0	724 211 495	5.600
176 - 186	10.0	724 211 511	6.400
180 - 191	10.0	724 211 527	6.400
193 - 203	10.0	724 211 543	6.400
200 - 210	10.0	724 211 559	7.100
209 - 220	10.0	724 211 575	7.100
215 - 226	10.0	724 211 591	7.100
219 - 230	10.0	724 211 607	7.100
222 - 233	10.0	724 211 623	7.100
228 - 240	10.0	724 211 639	7.900
243 - 253	10.0	724 211 655	7.900
252 - 262	10.0	724 211 671	8.500
261 - 271	10.0	724 211 687	8.500
271 - 281	10.0	724 211 703	8.500
280 - 290	10.0	724 211 719	8.500
294 - 304	10.0	724 211 735	8.500
300 - 310	10.0	724 211 751	9.000
310 - 320	10.0	724 211 767	9.000
315 - 326	10.0	724 211 783	9.000
320 - 330	10.0	724 211 799	9.000
324 - 334	10.0	724 211 815	9.000
335 - 346	10.0	724 211 831	9.000

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]	PN Water [bar]	NBR Code	kg	
108 - 118	16.0	724 211 320	5.400	
113 - 123	16.0	724 211 336	5.400	
118 - 128	16.0	724 211 352	5.400	
120 - 131	16.0	724 211 368	5.400	
125 - 135	16.0	724 211 384	6.700	
133 - 144	16.0	724 211 400	6.700	
739 - 150	16.0	724 211 416	6.700	
145 - 155	16.0	724 211 432	6.700	
151 - 161	16.0	724 211 448	7.200	
159 - 170	16.0	724 211 464	7.200	
165 - 175	16.0	724 211 480	7.200	
168 - 180	16.0	724 211 496	7.200	
176 - 186	10.0	724 211 512	8.200	
180 - 191	10.0	724 211 528	8.200	
193 - 203	10.0	724 211 544	8.200	
200 - 210	10.0	724 211 560	9.100	
209 - 220	10.0	724 211 576	9.100	
215 - 226	10.0	724 211 592	9.100	
219 - 230	10.0	724 211 608	9.100	
222 - 233	10.0	724 211 624	9.100	
228 - 240	10.0	724 211 640	9.300	
243 - 253	10.0	724 211 656	9.300	
252 - 262	10.0	724 211 672	10.600	
261 - 271	10.0	724 211 688	10.600	
271 - 281	10.0	724 211 704	10.600	
280 - 290	10.0	724 211 720	10.600	
294 - 304	10.0	724 211 736	10.600	
300 - 310	10.0	724 211 752	11.600	
310 - 320	10.0	724 211 768	11.600	
315 - 326	10.0	724 211 784	11.600	
320 - 330	10.0	724 211 800	11.600	
324 - 334	10.0	724 211 816	11.600	
335 - 346	10.0	724 211 832	11.600	

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]	PN Water [bar]	NBR Code	kg	
222 - 233	10.0	724 211 625	10.900	
228 - 240	10.0	724 211 641	11.100	
243 - 253	10.0	724 211 657	11.100	
252 - 262	10.0	724 211 673	12.700	
261 - 271	10.0	724 211 689	12.700	
271 - 281	10.0	724 211 705	12.700	
280 - 290	10.0	724 211 721	12.700	
294 - 304	10.0	724 211 737	12.700	
300 - 310	10.0	724 211 753	14.200	
310 - 320	10.0	724 211 769	14.200	
315 - 326	10.0	724 211 785	14.200	
320 - 330	10.0	724 211 801	14.200	
324 - 334	10.0	724 211 817	14.200	
335 - 346	10.0	724 211 833	14.200	

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]	PN Water [bar]	NBR Code	kg
88 - 110	16.0	724 212 058	3.300
108 - 128	16.0	724 212 074	3.400
112 - 134	16.0	724 212 090	3.400
120 - 140	16.0	724 212 106	3.400
133 - 155	16.0	724 212 122	3.800
138 - 160	16.0	724 212 138	3.800
158 - 180	16.0	724 212 154	4.400
168 - 190	16.0	724 212 170	4.400
190 - 210	10.0	724 212 186	4.700
195 - 217	10.0	724 212 202	4.700
210 - 230	10.0	724 212 218	4.900
216 - 238	10.0	724 212 234	4.900
225 - 246	10.0	724 212 250	5.100
238 - 260	10.0	724 212 266	5.100
251 - 271	10.0	724 212 282	5.300
260 - 280	10.0	724 212 298	5.300
269 - 289	10.0	724 212 314	5.300
273 - 293	10.0	724 212 330	5.300
295 - 315	10.0	724 212 346	5.300

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]	PN Water [bar]	NBR Code	kg
88 - 110	16.0	724 212 059	4.500
108 - 128	16.0	724 212 075	4.700
112 - 134	16.0	724 212 091	4.700
120 - 140	16.0	724 212 107	4.700
133 - 155	16.0	724 212 123	5.200
138 - 160	16.0	724 212 139	5.200
158 - 180	16.0	724 212 155	6.000
168 - 190	16.0	724 212 171	6.000
190 - 210	10.0	724 212 187	6.400
195 - 217	10.0	724 212 203	6.400
210 - 230	10.0	724 212 219	6.600
216 - 238	10.0	724 212 235	6.600
225 - 246	10.0	724 212 251	6.900
238 - 260	10.0	724 212 267	6.900
251 - 271	10.0	724 212 283	7.200
260 - 280	10.0	724 212 299	7.200
269 - 289	10.0	724 212 315	7.200
273 - 293	10.0	724 212 331	7.200
295 - 315	10.0	724 212 347	7.200
314 - 335	10.0	724 212 363	7.400
322 - 344	10.0	724 212 379	7.400
334 - 354	10.0	724 212 395	7.400
340 - 360	10.0	724 212 411	7.400

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]	PN Water [bar]	NBR Code	kg
88 - 110	16.0	724 212 060	5.000
108 - 128	16.0	724 212 076	5.300
112 - 134	16.0	724 212 092	5.300
120 - 140	16.0	724 212 108	5.300
133 - 155	16.0	724 212 124	5.800
138 - 160	16.0	724 212 140	5.800
158 - 180	16.0	724 212 156	6.700
168 - 190	16.0	724 212 172	6.700
190 - 210	10.0	724 212 188	7.100
195 - 217	10.0	724 212 204	7.100
210 - 230	10.0	724 212 220	7.500
216 - 238	10.0	724 212 236	7.500
225 - 246	10.0	724 212 252	7.800
238 - 260	10.0	724 212 268	7.800
251 - 271	10.0	724 212 284	8.900
260 - 280	10.0	724 212 300	8.900
269 - 289	10.0	724 212 316	8.900
273 - 293	10.0	724 212 332	8.900
295 - 315	10.0	724 212 348	8.900
314 - 335	10.0	724 212 364	9.500
322 - 344	10.0	724 212 380	9.500
334 - 354	10.0	724 212 396	9.500
340 - 360	10.0	724 212 412	9.500
348 - 368	10.0	724 212 428	10.200
365 - 385	10.0	724 212 444	10.200
376 - 396	10.0	724 212 460	10.200
382 - 402	10.0	724 212 476	10.200
390 - 410	10.0	724 212 492	10.200
404 - 424	10.0	724 212 508	11.000
420 - 440	10.0	724 212 524	11.000

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]	PN Water [bar]	NBR Code	kg
88 - 110	16.0	724 212 061	6.600
108 - 128	16.0	724 212 077	6.900
112 - 134	16.0	724 212 093	6.900
120 - 140	16.0	724 212 109	6.900
133 - 155	16.0	724 212 125	7.600
138 - 160	16.0	724 212 141	7.600
158 - 180	16.0	724 212 157	8.800
168 - 190	16.0	724 212 173	8.800
190 - 210	10.0	724 212 189	9.400
195 - 217	10.0	724 212 205	9.400
210 - 230	10.0	724 212 221	9.800
216 - 238	10.0	724 212 237	9.800
225 - 246	10.0	724 212 253	10.200
238 - 260	10.0	724 212 269	10.200
251 - 271	10.0	724 212 285	11.500
260 - 280	10.0	724 212 301	11.500
269 - 289	10.0	724 212 317	11.500
273 - 293	10.0	724 212 333	11.500
295 - 315	10.0	724 212 349	11.500
314 - 335	10.0	724 212 365	12.300
322 - 344	10.0	724 212 381	12.300
334 - 354	10.0	724 212 397	12.300
340 - 360	10.0	724 212 413	12.300
348 - 368	10.0	724 212 429	13.200
365 - 385	10.0	724 212 445	13.200
376 - 396	10.0	724 212 461	13.200
382 - 402	10.0	724 212 477	13.200
390 - 410	10.0	724 212 493	13.200
404 - 424	10.0	724 212 509	14.200
420 - 440	10.0	724 212 525	14.200
440 - 460	10.0	724 212 541	14.200
457 - 477	10.0	724 212 557	14.800
468 - 488	10.0	724 212 573	14.800
488 - 508	10.0	724 212 589	14.800
500 - 520	10.0	724 212 605	15.900
520 - 540	6.0	724 212 621	15.900
527 - 547	6.0	724 212 637	15.900
545 - 565	6.0	724 212 653	15.900
555 - 570	6.0	724 212 669	15.900
568 - 588	6.0	724 212 685	15.900
586 - 606	6.0	724 212 701	15.900
600 - 620	6.0	724 212 717	17.700
625 - 645	6.0	724 212 733	17.700
650 - 670	6.0	724 212 749	17.700

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]	PN Water [bar]	NBR Code	kg	
88 - 110	16.0	724 212 062	8.400	
108 - 128	16.0	724 212 078	8.800	
112 - 134	16.0	724 212 094	8.800	
120 - 140	16.0	724 212 110	8.800	
133 - 155	16.0	724 212 126	9.600	
138 - 160	16.0	724 212 142	9.600	
158 - 180	16.0	724 212 158	11.200	
168 - 190	16.0	724 212 174	11.200	
190 - 210	10.0	724 212 190	12.100	
195 - 217	10.0	724 212 206	12.100	
210 - 230	10.0	724 212 222	12.500	
216 - 238	10.0	724 212 238	12.500	
225 - 246	10.0	724 212 254	13.000	
238 - 260	10.0	724 212 270	13.000	
251 - 271	10.0	724 212 286	15.200	
260 - 280	10.0	724 212 302	15.200	
269 - 289	10.0	724 212 318	15.200	
273 - 293	10.0	724 212 334	15.200	
295 - 315	10.0	724 212 350	15.200	
314 - 335	10.0	724 212 366	16.100	
322 - 344	10.0	724 212 382	16.100	
334 - 354	10.0	724 212 398	16.100	
340 - 360	10.0	724 212 414	16.100	
348 - 368	10.0	724 212 430	17.200	
365 - 385	10.0	724 212 446	17.200	
376 - 396	10.0	724 212 462	17.200	
382 - 402	10.0	724 212 478	17.200	
390 - 410	10.0	724 212 494	17.200	
404 - 424	10.0	724 212 510	18.700	
420 - 440	10.0	724 212 526	18.700	
440 - 460	10.0	724 212 542	18.700	
457 - 477	10.0	724 212 558	19.200	
468 - 488	10.0	724 212 574	19.200	
488 - 508	10.0	724 212 590	19.200	
500 - 520	10.0	724 212 606	20.700	
520 - 540	6.0	724 212 622	20.700	
527 - 547	6.0	724 212 638	20.700	
545 - 565	6.0	724 212 654	20.700	
555 - 570	6.0	724 212 670	20.700	
568 - 588	6.0	724 212 686	20.700	
586 - 606	6.0	724 212 702	20.700	
600 - 620	6.0	724 212 718	22.900	
625 - 645	6.0	724 212 734	22.900	
650 - 670	6.0	724 212 750	22.900	

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]	PN Water [bar]	NBR Code	kg
314 - 335	10.0	724 212 367	19.000
322 - 344	10.0	724 212 383	19.000
334 - 354	10.0	724 212 399	19.000
340 - 360	10.0	724 212 415	19.000
348 - 368	10.0	724 212 431	20.500
365 - 385	10.0	724 212 447	20.500
376 - 396	10.0	724 212 463	20.500
382 - 402	10.0	724 212 479	20.500
390 - 410	10.0	724 212 495	20.500
404 - 424	10.0	724 212 511	21.800
420 - 440	10.0	724 212 527	21.800
440 - 460	10.0	724 212 543	21.800
457 - 477	10.0	724 212 559	23.000
468 - 488	10.0	724 212 575	23.000
488 - 508	10.0	724 212 591	23.000
500 - 520	10.0	724 212 607	24.500
520 - 540	6.0	724 212 623	24.500
527 - 547	6.0	724 212 639	24.500
545 - 565	6.0	724 212 655	24.500
555 - 570	6.0	724 212 671	24.500
568 - 588	6.0	724 212 687	24.500
586 - 606	6.0	724 212 703	24.500
600 - 620	6.0	724 212 719	27.200
625 - 645	6.0	724 212 735	27.200
650 - 670	6.0	724 212 751	27.200
705 - 725	4.0	724 212 767	19.700
730 - 750	4.0	724 212 783	29.200
755 - 775	4.0	724 212 799	29.200
805 - 825	3.0	724 212 815	30.500
835 - 855	3.0	724 212 831	31.500

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]	PN Water [bar]	NBR Code	kg
420 - 440	10.0	724 212 528	26.300
440 - 460	10.0	724 212 544	26.300
457 - 477	10.0	724 212 560	28.500
468 - 488	10.0	724 212 576	28.500
488 - 508	10.0	724 212 592	28.500
500 - 520	10.0	724 212 608	30.900
520 - 540	6.0	724 212 624	30.900
527 - 547	6.0	724 212 640	30.900
545 - 565	6.0	724 212 656	30.900
555 - 570	6.0	724 212 672	30.900
568 - 588	6.0	724 212 688	30.900
586 - 606	6.0	724 212 704	30.900
600 - 620	6.0	724 212 720	34.500
625 - 645	6.0	724 212 736	34.500
650 - 670	6.0	724 212 752	34.500
705 - 725	4.0	724 212 768	24.900
730 - 750	4.0	724 212 784	36.500
755 - 775	4.0	724 212 800	36.500
805 - 825	3.0	724 212 816	38.000
835 - 855	3.0	724 212 832	39.000

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]	PN Water [bar]	NBR Code	kg
267 - 297	10.0	724 213 060	9.000
300 - 330	10.0	724 213 076	10.200
323 - 353	10.0	724 213 092	10.200
352 - 382	10.0	724 213 108	10.500
378 - 408	10.0	724 213 124	12.000
402 - 432	10.0	724 213 140	12.000
429 - 459	10.0	724 213 156	12.000
456 - 486	10.0	724 213 172	12.900
490 - 520	10.0	724 213 188	14.100
520 - 550	10.0	724 213 204	14.700

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]	PN Water [bar]	NBR Code	kg
267 - 297	10.0	724 213 061	11.700
300 - 330	10.0	724 213 077	13.500
323 - 353	10.0	724 213 093	13.500
352 - 382	10.0	724 213 109	14.100
378 - 408	10.0	724 213 125	15.600
402 - 432	10.0	724 213 141	15.600
429 - 459	10.0	724 213 157	15.600
456 - 486	10.0	724 213 173	16.800
490 - 520	10.0	724 213 189	17.700
520 - 550	10.0	724 213 205	19.200
532 - 562	6.0	724 213 221	19.200
545 - 575	6.0	724 213 237	19.200
570 - 600	6.0	724 213 253	19.200

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]	PN Water [bar]	NBR Code	kg
352 - 382	10.0	724 213 110	15.600
378 - 408	10.0	724 213 126	20.100
402 - 432	10.0	724 213 142	20.100
429 - 459	10.0	724 213 158	20.100
456 - 486	10.0	724 213 174	21.600
490 - 520	10.0	724 213 190	23.400
520 - 550	10.0	724 213 206	24.600
532 - 562	6.0	724 213 222	24.600
545 - 575	6.0	724 213 238	24.600
570 - 600	6.0	724 213 254	24.600
586 - 616	6.0	724 213 270	24.600
609 - 639	6.0	724 213 286	26.000
615 - 645	6.0	724 213 302	26.000
633 - 663	4.0	724 213 318	26.000
640 - 670	4.0	724 213 334	26.000
654 - 684	4.0	724 213 350	26.000

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]	PN Water [bar]	NBR Code	kg
456 - 486	10.0	724 213 175	25.800
490 - 520	10.0	724 213 191	27.300
520 - 550	10.0	724 213 207	30.000
532 - 562	6.0	724 213 223	30.000
545 - 575	6.0	724 213 239	30.000
570 - 600	6.0	724 213 255	30.000
586 - 616	6.0	724 213 271	30.000
609 - 639	6.0	724 213 287	32.000
615 - 645	6.0	724 213 303	32.000
633 - 663	4.0	724 213 319	32.000
640 - 670	4.0	724 213 335	32.000
654 - 684	4.0	724 213 351	32.000
670 - 700	4.0	724 213 367	32.000
702 - 732	4.0	724 213 383	35.000
711 - 741	4.0	724 213 399	35.000
729 - 759	4.0	724 213 415	35.000
747 - 777	4.0	724 213 431	35.000
780 - 815	4.0	724 213 447	38.000
800 - 830	4.0	724 213 463	38.000
813 - 843	3.0	724 213 479	38.000
830 - 860	3.0	724 213 495	38.000
852 - 882	2.0	724 213 511	38.000
864 - 894	2.0	724 213 527	38.000
900 - 930	2.0	724 213 543	40.000
925 - 955	2.0	724 213 559	40.000
945 - 975	2.0	724 213 575	40.000
970 - 1000	2.0	724 213 591	40.000

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]	PN Water [bar]	NBR Code	kg
545 - 575	6.0	724 213 240	39.000
570 - 600	6.0	724 213 256	39.000
586 - 616	6.0	724 213 272	39.000
609 - 639	6.0	724 213 288	41.000
615 - 645	6.0	724 213 304	41.000
633 - 663	4.0	724 213 320	41.000
640 - 670	4.0	724 213 336	41.000
654 - 684	4.0	724 213 352	41.000
670 - 700	4.0	724 213 368	41.000
702 - 732	4.0	724 213 384	44.000
711 - 741	4.0	724 213 400	44.000
729 - 759	4.0	724 213 416	44.000
747 - 777	4.0	724 213 432	44.000
780 - 815	4.0	724 213 448	47.000
800 - 730	4.0	724 213 464	47.000
813 - 843	3.0	724 213 480	47.000
830 - 860	3.0	724 213 496	47.000
852 - 882	2.0	724 213 512	47.000
864 - 894	2.0	724 213 528	47.000
900 - 930	2.0	724 213 544	49.000
925 - 955	2.0	724 213 560	49.000
945 - 975	2.0	724 213 576	49.000
970 - 1000	2.0	724 213 592	49.000

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	



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]	PN Water [bar]	NBR Code	kg	
68 - 78	16.0	724 201 061	1.000	
88 - 110	16.0	724 201 073	1.000	
108 - 134	16.0	724 201 097	1.000	
133 - 155	16.0	724 201 133	1.000	
159 - 181	16.0	724 201 169	1.000	
168 - 190	16.0	724 201 193	1.000	
190 - 212	16.0	724 201 205	1.000	
216 - 238	16.0	724 201 217	1.000	
238 - 260	16.0	724 201 229	1.000	
267 - 289	16.0	724 201 253	1.000	

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]	PN Water [bar]	NBR Code	kg	
68 - 78	16.0	724 201 062	1.000	
88 - 110	16.0	724 201 074	1.000	
108 - 134	16.0	724 201 098	1.000	
133 - 155	16.0	724 201 134	1.000	
159 - 181	16.0	724 201 170	1.000	
168 - 190	16.0	724 201 194	1.000	
190 - 212	16.0	724 201 206	1.000	
216 - 238	16.0	724 201 218	1.000	
238 - 260	16.0	724 201 230	1.000	
267 - 289	16.0	724 201 254	1.000	

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]	PN Water [bar]	NBR Code	kg
68 - 78	16.0	724 201 063	1.000
88 - 110	16.0	724 201 075	1.000
108 - 134	16.0	724 201 099	1.000
133 - 155	16.0	724 201 135	1.000
159 - 181	16.0	724 201 171	1.000
168 - 190	16.0	724 201 195	1.000
190 - 212	16.0	724 201 207	1.000
216 - 238	16.0	724 201 219	1.000
238 - 260	16.0	724 201 231	1.000
267 - 289	16.0	724 201 255	1.000

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]	PN Water [bar]	NBR Code	kg
88 - 110	16.0	724 201 076	1.000
108 - 134	16.0	724 201 100	1.000
133 - 155	16.0	724 201 136	1.000
159 - 181	16.0	724 201 172	1.000
168 - 190	16.0	724 201 196	1.000
190 - 212	16.0	724 201 208	1.000
216 - 238	16.0	724 201 220	1.000
238 - 260	16.0	724 201 232	1.000
267 - 289	16.0	724 201 256	1.000

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]	PN Water [bar]	NBR Code	kg
108 - 134	16.0	724 201 101	1.000
133 - 155	16.0	724 201 137	1.000
159 - 181	16.0	724 201 173	1.000
168 - 190	16.0	724 201 197	1.000
190 - 212	16.0	724 201 209	1.000
216 - 238	16.0	724 201 221	1.000
238 - 260	16.0	724 201 233	1.000
267 - 289	16.0	724 201 257	1.000

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]	PN Water [bar]	NBR Code	kg	
108 - 134	16.0	724 201 102	1.000	
133 - 155	16.0	724 201 138	1.000	
159 - 181	16.0	724 201 174	1.000	
168 - 190	16.0	724 201 198	1.000	
190 - 212	16.0	724 201 210	1.000	
216 - 238	16.0	724 201 222	1.000	
238 - 260	16.0	724 201 234	1.000	
267 - 289	16.0	724 201 258	1.000	

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]	PN Water [bar]	NBR Code	
95 - 104	16.0	95-104L200N	
98 - 108	16.0	98-108L200N	
108 - 128	16.0	108-128L200N	
118 - 138	16.0	118-138L200N	
133 - 153	16.0	133-153L200N	
143 - 163	16.0	143-163L200N	
160 - 180	16.0	160-180L200N	
180 - 200	16.0	180-200L200N	
190 - 210	16.0	190-210L200N	
210 - 230	16.0	210-230L200N	
230 - 250	16.0	230-250L200N	
240 - 260	16.0	240-260L200N	
250 - 270	16.0	250-270L200N	
270 - 290	16.0	270-290L200N	
290 - 310	16.0	290-310L200N	



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]	PN Water [bar]	NBR Code	
95 - 104		16.0	95-104L300N	
98 - 108		16.0	98-108L300N	
108 - 128		16.0	108-128L300N	
118 - 138		16.0	118-138L300N	
133 - 153		16.0	133-153L300N	
143 - 163		16.0	143-163L300N	
160 - 180		16.0	160-180L300N	
180 - 200		16.0	180-200L300N	
190 - 210		16.0	190-210L300N	
210 - 230		16.0	210-230L300N	
230 - 250		16.0	230-250L300N	
240 - 260		16.0	240-260L300N	
250 - 270		16.0	250-270L300N	
270 - 290		16.0	270-290L300N	
290 - 310		16.0	290-310L300N	
315 - 335		16.0	315-335L300N	
335 - 355		16.0	335-355L300N	
-	350	16.0	DN350L300N	



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]	PN Water [bar]	NBR Code
95 - 104		16.0	95-104L400N
98 - 108		16.0	98-108L400N
108 - 128		16.0	108-128L400N
118 - 138		16.0	118-138L400N
133 - 153		16.0	133-153L400N
143 - 163		16.0	143-163L400N
160 - 180		16.0	160-180L400N
180 - 200		16.0	180-200L400N
190 - 210		16.0	190-210L400N
210 - 230		16.0	210-230L400N
230 - 250		16.0	230-250L400N
240 - 260		16.0	240-260L400N
250 - 270		16.0	250-270L400N
270 - 290		16.0	270-290L400N
290 - 310		16.0	290-310L400N
315 - 335		16.0	315-335L400N
335 - 355		16.0	335-355L400N
-	350	16.0	DN350L400N
-	400	16.0	DN400L400N
-	450	16.0	DN450L400N
-	500	16.0	DN500L400N
-	600	10.0	DN600L400N
-	700		DN700L400N



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]	PN Water [bar]	NBR Code
95 - 104		16.0	95-104L500N
98 - 108		16.0	98-108L500N
108 - 128		16.0	108-128L500N
118 - 138		16.0	118-138L500N
133 - 153		16.0	133-153L500N
143 - 163		16.0	143-163L500N
160 - 180		16.0	160-180L500N
180 - 200		16.0	180-200L500N
190 - 210		16.0	190-210L500N
210 - 230		16.0	210-230L500N
230 - 250		16.0	230-250L500N
240 - 260		16.0	240-260L500N
250 - 270		16.0	250-270L500N
270 - 290		16.0	270-290L500N
290 - 310		16.0	290-310L500N
315 - 335		16.0	315-335L500N
335 - 355		16.0	335-355L500N
-	350	16.0	DN350L500N
-	400	16.0	DN400L500N
-	450	16.0	DN450L500N

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Range [mm]	DN [mm]	PN Water [bar]	NBR Code
-	500	16.0	DN500L500N
-	600	10.0	DN600L500N
-	700		DN700L500N
-	750		DN750L500N
-	800		DN800L500N



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]	PN Water [bar]	NBR Code
315 - 335		16.0	315-335L600N
335 - 355		16.0	335-355L600N
-	350	16.0	DN350L600N
-	400	16.0	DN400L600N
-	450	16.0	DN450L600N
-	500	16.0	DN500L600N
-	600	10.0	DN600L600N
-	700		DN700L600N
-	750		DN750L600N
-	800		DN800L600N



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]	PN Water [bar]	NBR Code
400	16.0	DN400L750N
450	16.0	DN450L750N
500	16.0	DN500L750N
600	10.0	DN600L750N
700		DN700L750N
750		DN750L750N
800		DN800L750N

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



Multi/Clamp Combi length 400 mm

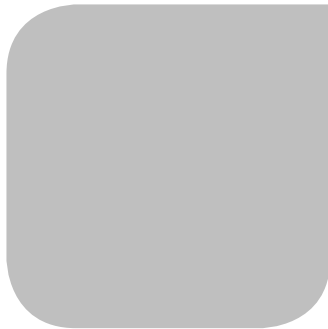
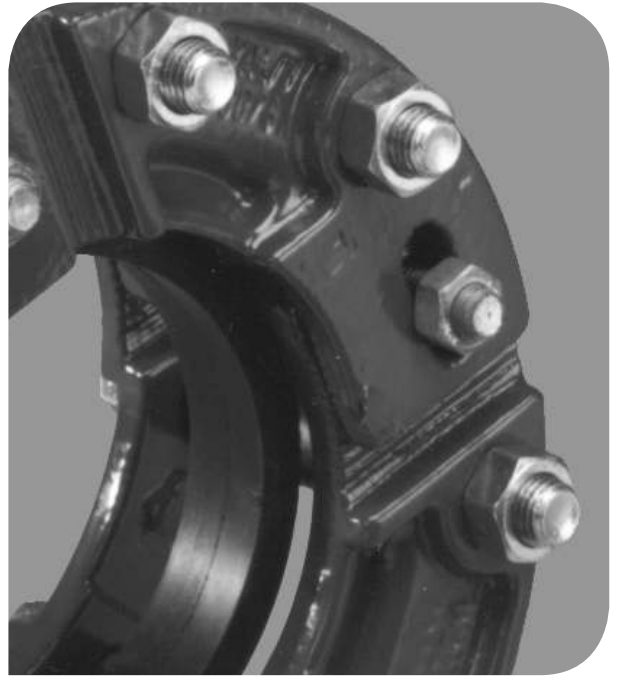
Model:

- 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	kg
repair set complete (all shell sections + wooden box)	724 213 730	35.000
shell section A	724 213 746	1.000
shell section B	724 213 762	1.000
shell section C	724 213 778	1.000
shell section D	724 213 794	1.000
shell section E	724 213 810	1.000
wooden box separate	724 213 826	1.000

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>
720 - 770	E E B A A
761 - 811	E E C B A
832 - 882	E E D C B
853 - 903	E E D C C
934 - 994	E E D C B A
965 - 1025	E E D D B A
1026 - 1086	E E D D C C
1076 - 1146	E E D C C B A

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WAL/V

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WAL/V

WAL/V Single

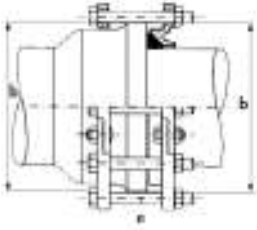


Model:

- 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

Note:

Other sizes up to DN1200 on request



DN [mm]	Range [mm]	NBR Code	kg	b [mm]	e [mm]	bolt length [mm]	PN Water [bar]	PN Gas [bar]
80	90 - 114	709 016 053	6.500	175	8xM16	140	10.0	4.0
100	110 - 135	709 016 055	7.500	195	8xM16	140	10.0	4.0
125	134 - 156	709 016 060	12.500	240	8xM16	140	10.0	4.0
150	168 - 191	709 016 065	13.000	250	8xM16	140	10.0	4.0
175	192 - 216	709 016 070	15.000	280	8xM16	140	10.0	4.0
200	220 - 253	709 016 075	16.000	315	8xM16	140	10.0	4.0
225	246 - 278	709 016 080	17.000	350	8xM16	140	10.0	4.0
250	265 - 293	709 016 085	18.000	360	8xM16	140	10.0	4.0
300	319 - 348	709 016 095	20.000	435	12xM16	140	10.0	4.0
325	344 - 372	709 016 100	23.000	435	12xM16	140	10.0	4.0
350	374 - 397	709 016 105	27.000	490	12xM16	140	10.0	4.0
400	424 - 453	709 016 110	27.500	545	16xM16	140	10.0	4.0
500	524 - 552	709 016 120	36.000	660	20xM16	140	10.0	4.0
600	627 - 655	709 016 130	42.000	775	20xM16	140	10.0	4.0
625	647 - 675	709 016 131	45.500	775	20xM16	140	10.0	4.0
700	735 - 767	709 016 135	54.000	895	20xM16	140	10.0	4.0

PF 1 54 325 008

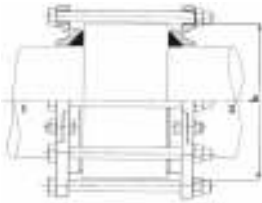
WAL/V Double

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

Note:

Other sizes up to DN1200 on request



DN [mm]	Range [mm]	NBR Code	kg	b [mm]	e [mm]	bolt length [mm]	PN Water [bar]	PN Gas [bar]
80	90 - 114	709 016 701	7.800	175	8xM16	240	10.0	4.0
100	110 - 135	709 016 702	8.800	195	8xM16	240	10.0	4.0
125	134 - 156	709 016 703	14.600	240	8xM16	240	10.0	4.0
150	168 - 191	709 016 704	13.000	250	8xM16	240	10.0	4.0
175	192 - 216	709 016 705	17.000	280	8xM16	240	10.0	4.0
200	220 - 253	709 016 706	20.000	315	8xM16	240	10.0	4.0
225	246 - 278	709 016 707	21.000	350	8xM16	240	10.0	4.0
250	265 - 293	709 016 708	23.000	360	8xM16	240	10.0	4.0
300	319 - 348	709 016 710	23.000	435	12xM16	240	10.0	4.0
325	344 - 372	709 016 711	27.500	435	12xM16	240	10.0	4.0
350	374 - 397	709 016 712	32.000	490	12xM16	240	10.0	4.0
400	424 - 453	709 016 714	33.000	545	16xM16	240	10.0	4.0
500	524 - 552	709 016 715	48.000	660	20xM16	240	10.0	4.0
600	627 - 655	709 016 725	55.000	775	20xM16	240	10.0	4.0
625	647 - 675	709 016 727	59.000	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

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Multi/Saddle Plus



Multi/Saddle Plus 301

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

Model:

- With direct PE connection by means of Push-Fit
- With temporary shut-off mechanism by means of spatula (See Multi/Saddle Plus Spatula)
- 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 (to be ordered separately)
- Rubber inlay: EPDM for water and NBR for water and gas
- Forged brass insert and nut

Note:

*Must be applied for pipes DN80 or larger

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:

- With female threaded outlet
- With temporary shut-off mechanism by means of spatula (See Multi/Saddle Plus Spatula)
- 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 (to be ordered separately)
- Rubber inlay: EPDM for water and NBR for water and gas

Note:

*Must be applied for pipes DN80 or larger

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 1/4	709 613 736	709 613 836	16.0	5.0
1 1/2*	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:

- With female threaded outlet
- 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 (to be ordered separately)
- Rubber inlay: EPDM for water

Note:

Standard EPDM, NBR on request

*Must be applied for pipes DN80 or larger

Thread outlet [inch]	EPDM Code	NBR Code	PN Water [bar]	PN Gas [bar]
1	709 613 714	709 613 814	16.0	5.0
1 1/4	709 613 716	709 613 816	16.0	5.0
1 1/2*	709 613 718	709 613 818	16.0	5.0
2*	709 613 720	709 613 820	16.0	5.0

PF 1 54 327 010



Multi/Saddle Plus Straps (to be combined with Multi/Saddle Plus 301, 201 and 200)

Model:

- Stainless steel A2 (AISI 304) band with NBR protection (to be ordered separately)
- 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

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



PF 1 54 327 010

Multi/Saddle Plus Hot Tap Adaptors

Description	Code
Hot Tap Adaptor Multi/Saddle Plus 301 PE d25 x 1	709 613 652
Hot Tap Adaptor Multi/Saddle Plus 301 PE d32 x 1	709 613 654
Hot Tap Adaptor Multi/Saddle Plus 301 PE d40 x 1 ½	709 613 656
Hot Tap Adaptor Multi/Saddle Plus 301 PE d50 x 1 ½	709 613 658
Hot Tap Adaptor Multi/Saddle Plus 201 1	709 613 634
Hot Tap Adaptor Multi/Saddle Plus 201 1 ½	709 613 638
Hot Tap Adaptor Multi/Saddle Plus 201 2	709 613 640



PF 1 54 326 005

Male threaded adaptors for W400 drilling device

Model:

- Suitable to connect to Multi/Saddle Plus 200 and 201 saddles

Description	Code
male threaded adaptor 3/4	709 702 257
male threaded adaptor 1	709 702 258
male threaded adaptor 1 1/4	709 702 259
male threaded adaptor 1 1/2	709 702 260
male threaded adaptor 2	709 702 261



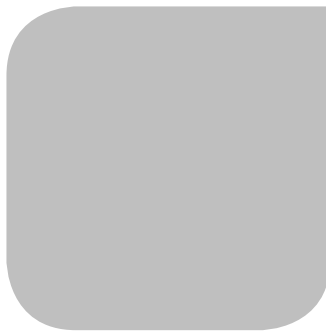
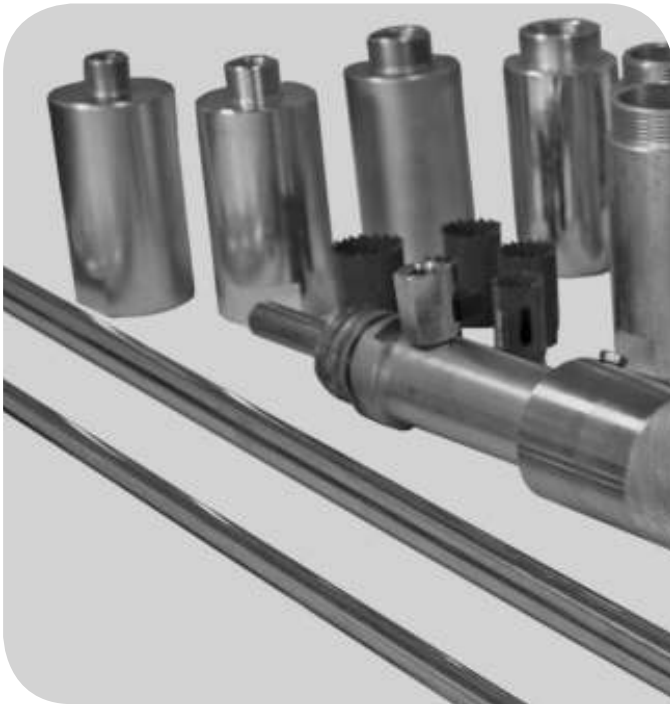
PF 1 54 326 005

Female threaded adaptors for W400 drilling device

Model:

- Suitable to connect to Multi/Saddle Plus 301 saddles

Description	Code
female threaded adaptor d25 + d32	709 702 262
female threaded adaptor d40 + d50	709 702 263



W400 drilling device
W410 drilling device

Contents W400 drilling device / 410 drilling device

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W400 drilling device (3/4" - 2")



Basic Drilling Device W400 including ratchet and drill shaft (accessories to be added)

PF 1 54 326 005

Description	Code
basic device including ratchet and drill shaft	709 700 000



Male threaded adaptors for W400 drilling device

Model:

- Suitable to connect to Multi/Saddle Plus 200 and 201 saddles

PF 1 54 326 005

Description	Code
male threaded adaptor 3/4	709 702 257
male threaded adaptor 1	709 702 258
male threaded adaptor 1 1/4	709 702 259
male threaded adaptor 1 1/2	709 702 260
male threaded adaptor 2	709 702 261



Female threaded adaptors for W400 drilling device

Model:

- Suitable to connect to Multi/Saddle Plus 301 saddles

PF 1 54 326 005

Description	Code
female threaded adaptor d25 + d32	709 702 262
female threaded adaptor d40 + d50	709 702 263



Mandrel combined with pilot drill

Model:

- mandrel including special pilot drill 6mm with retention wires

PF 1 54 326 005

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



Pilot drill

Model:

- pilot drill 6 mm with dual retention wires

PF 1 54 326 005

Description	Code
pilot drill 6 mm with dual retention wires	709 800 006



Cup drill PRO-FIT

Model:

- Suitable for PE and PVC pipes

PF 1 54 326 005

Inch	Description	Code
11/16	PRO-FIT PE/PVC cutter 17,5 mm	709 810 711
3/4	PRO-FIT PE/PVC cutter 19,1 mm	709 810 712
7/8	PRO-FIT PE/PVC cutter 22,2 mm	709 810 714
1	PRO-FIT PE/PVC cutter 25,4 mm	709 810 716
1 1/4	PRO-FIT PE/PVC cutter 31,8 mm	709 810 720
1 1/2	PRO-FIT PE/PVC cutter 38,1 mm	709 810 724
1 3/4	PRO-FIT PE/PVC cutter 44,5 mm	709 810 728
1 7/8	PRO-FIT PE/PVC cutter 48,2 mm	709 810 730



Cup drill Blu-mol HSS

Model:

- suitable for steel 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



Heavy duty transport case for W400 drilling device

Model:

- Including: hex key 3 mm, hex key 6 mm and screwdriver
- Outside dimension transport case: 80 x 40 x 20 cm

Code	Description
709 706 416	Heavy duty transport case for W400 drilling device

PF 1 54 326 005

W410 drilling device (3/4" - 8")



Basic Drilling Device W410 including ratchet (all accessories to be added)

PF 1 54 326 005

Description	Code
basic device including ratchet	709 700 100



Drill shafts

Model:

- Drill shafts to be selected depending on build up length of your configuration

PF 1 54 326 005

Description	Code
drill shaft 620 mm	709 700 010
drill shaft 775 mm	709 700 021
drill shaft 920 mm	709 700 022
drill shaft 1070 mm	709 700 023



Flange adaptors

Model:

- Flange adaptor for W410
- Suitable for Plast/Joint® flange adaptor
- Suitable for flange to flange connections
- Not included flange bolts / gasket

PF 1 54 326 005

Description	Code
flange adaptor DN50	709 702 045
flange adaptor DN65	709 702 046
flange adaptor DN80	709 702 047
flange adaptor DN100	709 702 048
flange adaptor DN125	709 702 049
flange adaptor DN150	709 702 050
flange adaptor DN200	709 702 051



Mandrel combined with pilot drill

Model:

- mandrel including special pilot drill 6mm with retention wires

PF 1 54 326 005

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



Pilot drill

Model:

- pilot drill 6 mm with dual retention wires

PF 1 54 326 005

Description	Code
pilot drill 6 mm with dual retention wires	709 800 006



Cup drill PE chipless Ø45, Ø60, Ø63, Ø80 and Ø84 mm

Model:

- For demanding drillings on PE
- Maximum PE pipe d630 SDR11
- Suitable for under pressure drilling
- Push rod for coupon release out of the cup drill

Description	Code
PE cup drill chipless 45 mm x 60 mm	709 810 410
PE cup drill chipless 60 mm x 60 mm	709 810 412
PE cup drill chipless 63 mm x 60 mm	709 810 414
PE cup drill chipless 80 mm x 60 mm	709 810 415
PE cup drill chipless 84 mm x 60 mm	709 810 416
PE cup drill chipless 45 mm x 120 mm	709 810 420
PE cup drill chipless 60 mm x 120 mm	709 810 422
PE cup drill chipless 63 mm x 120 mm	709 810 424
PE cup drill chipless 80 mm x 120 mm	709 810 425
PE cup drill chipless 84 mm x 120 mm	709 810 426
PE cup drill push rod	709 700 024

PF 1 54 326 005



Plast/Joint® 8057 Flange Adaptor, restraint

Model:

- For connection to PE Spigot ends
- 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
- Gripping in brass

d [mm]	DN [mm]	Drilling pattern	NBR / A2 Code	a [mm]	b [mm]	PN Water [bar]	PN Gas [bar]
63	50	PN16	709 257 210	102	165	16.0	8.0
75	65	PN16	709 257 212	102	185	16.0	8.0
90	80	PN16	709 257 214	107	200	16.0	8.0
110	100	PN16	709 257 216	122	220	16.0	8.0
125	100	PN16	709 257 218	126	220	16.0	8.0
160	150	PN16	709 257 222	144	285	16.0	8.0
200	200	PN16	709 257 226	157	340	16.0	8.0

PF 1 54 932 001



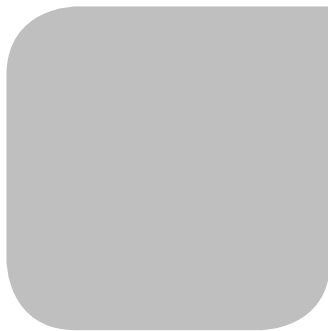
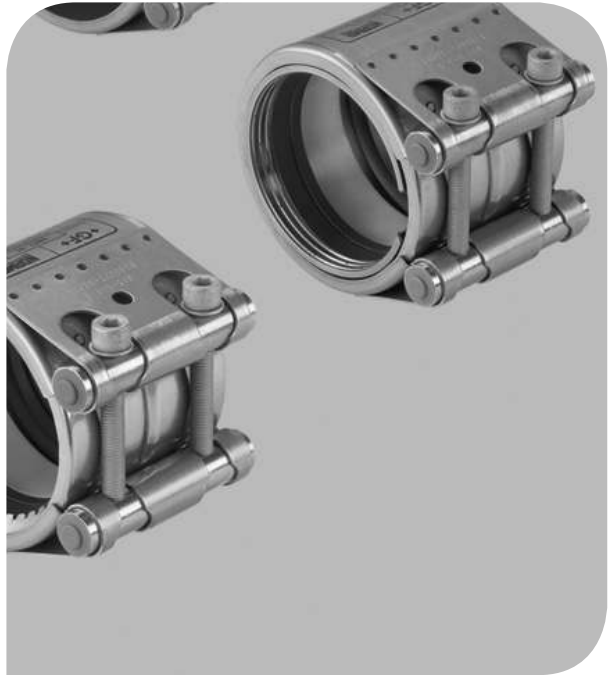
Heavy duty transport / storage box for W410 drilling device

Model:

- Including: hex key 3 mm, hex key 6 mm and screwdriver
- Outside dimension transport / warehouse box: 120 x 40 x 40 cm

Code	Description
709 706 414	Heavy duty transport / storage box for W410 drilling device

PF 1 54 326 005



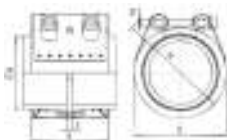
FGR Stainless Steel Couplings

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FGR - Stainless Steel Couplings

Flex E d26 up to d100

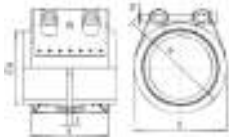


Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.4 - 27.5	16.0	48.0	779 101 001	779 104 001	779 109 001
28.0	27.5 - 28.5	16.0	48.0	779 101 002	779 104 002	779 109 002
30.0	29.5 - 30.6	16.0	48.0	779 101 003	779 104 003	779 109 003
33.7	33.0 - 34.3	16.0	48.0	779 101 005	779 104 005	779 109 005
35.0	34.5 - 35.6	16.0	48.0	779 101 006	779 104 006	779 109 006
38.0	37.5 - 38.6	16.0	48.0	779 101 007	779 104 007	779 109 007
42.4	41.7 - 43.0	16.0	48.0	779 101 009	779 104 009	779 109 009
44.5	44.0 - 45.1	16.0	40.0	779 101 010	779 104 010	779 109 010
48.3	47.6 - 50.5	16.0	40.0	779 101 011	779 104 011	779 109 011
54.0	53.3 - 54.6	16.0	40.0	779 101 014	779 104 014	779 109 014
57.0	56.3 - 57.7	16.0	40.0	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	36.0	779 101 017	779 104 017	779 109 017
70.0	69.0 - 71.0	16.0	36.0	779 101 018	779 104 018	779 109 018
73.0	72.1 - 73.8	16.0	36.0	779 101 019	779 104 019	779 109 019
76.1	75.2 - 77.0	16.0	36.0	779 101 020	779 104 020	779 109 020
78.0	77.1 - 78.9	16.0	32.0	779 101 021	779 104 021	779 109 021
80.0	79.0 - 80.8	16.0	32.0	779 101 022	779 104 022	779 109 022
84.0	83.0 - 85.0	16.0	32.0	779 101 024	779 104 024	779 109 024
88.9	87.0 - 89.9	16.0	32.0	779 101 025	779 104 025	779 109 025
98.0	96.9 - 99.0	16.0	30.0	779 101 028	779 104 028	779 109 028

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
26.9	26.4 - 27.5	16.0	48.0	779 112 001	0.320
28.0	27.5 - 28.5	16.0	48.0	779 112 002	0.320
30.0	29.5 - 30.6	16.0	48.0	779 112 003	0.320
33.7	33.0 - 34.3	16.0	48.0	779 112 005	0.320
35.0	34.5 - 35.6	16.0	48.0	779 112 006	0.430
38.0	37.5 - 38.6	16.0	48.0	779 112 007	0.430
42.4	41.7 - 43.0	16.0	48.0	779 112 009	0.440
44.5	44.0 - 45.1	16.0	40.0	779 112 010	0.460
48.3	47.6 - 50.5	16.0	40.0	779 112 011	0.470
54.0	53.3 - 54.6	16.0	40.0	779 112 014	0.610
57.0	56.3 - 57.7	16.0	40.0	779 112 015	0.620
60.3	59.5 - 61.0	16.0	40.0	779 112 016	0.630
63.0	62.2 - 63.9	16.0	36.0	779 112 017	1.000
70.0	69.0 - 71.0	16.0	36.0	779 112 018	1.000
73.0	72.1 - 73.8	16.0	36.0	779 112 019	1.250
76.1	75.2 - 77.0	16.0	36.0	779 112 020	1.250
78.0	77.1 - 78.9	16.0	32.0	779 112 021	1.000
80.0	79.0 - 80.8	16.0	32.0	779 112 022	1.000
84.0	83.0 - 85.0	16.0	32.0	779 112 024	1.270
88.9	87.0 - 89.9	16.0	32.0	779 112 025	1.290
98.0	96.9 - 99.0	16.0	30.0	779 112 028	1.450



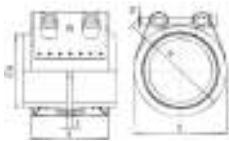
d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
26.9	47	3	50	70
28.0	47	3	50	70
30.0	47	3	50	70
33.7	47	3	55	75
35.0	63	8	55	75
38.0	63	8	60	80
42.4	63	8	65	85
44.5	63	8	65	85
48.3	63	8	70	90
54.0	78	17	75	95
57.0	78	17	80	100
60.3	78	17	85	105
63.0	78	17	85	105
70.0	98	25	90	110
73.0	98	25	95	115
76.1	98	25	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

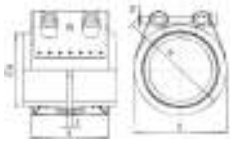
Flex E d101 up to d250

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request



d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	30.0	779 101 029	779 104 029	779 109 029
104.0	102.8 - 106.1	16.0	30.0	779 101 030	779 104 030	779 109 030
108.0	106.8 - 109.2	16.0	30.0	779 101 032	779 104 032	779 109 032
110.0	108.8 - 111.4	16.0	30.0	779 101 328	779 104 328	779 109 328
114.3	113.0 - 115.5	16.0	30.0	779 101 033	779 104 033	779 109 033
125.0	123.6 - 126.5	16.0	30.0	779 101 037	779 104 037	779 109 037
129.0	127.6 - 131.1	16.0	30.0	779 101 038	779 104 038	779 109 038
133.0	131.5 - 134.4	16.0	30.0	779 101 039	779 104 039	779 109 039
139.7	138.1 - 141.6	16.0	30.0	779 101 040	779 104 040	779 109 040
141.3	139.6 - 142.8	16.0	30.0	779 101 041	779 104 041	779 109 041
154.0	152.3 - 156.1	16.0	25.0	779 101 045	779 104 045	779 109 045
159.0	157.3 - 160.7	16.0	25.0	779 101 046	779 104 046	779 109 046
168.3	166.5 - 170.1	16.0	25.0	779 101 050	779 104 050	779 109 050
180.0	178.0 - 182.0	13.7	21.9	779 101 054	779 104 054	779 109 054
206.0	202.0 - 208.0	13.7	21.9	779 101 060	779 104 060	779 109 060
219.1	216.0 - 221.0	13.7	21.9	779 101 063	779 104 063	779 109 063
225.0	222.0 - 227.0	12.0	19.2	779 101 065	779 104 065	779 109 065
229.9	228.0 - 232.0	12.0	19.2	779 101 066	779 104 066	779 109 066
244.5	242.0 - 247.0	12.0	19.2	779 101 070	779 104 070	779 109 070



d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
101.6	100.4 - 102.8	16.0	30.0	779 112 029	1.450
104.0	102.8 - 106.1	16.0	30.0	779 112 030	1.460
108.0	106.8 - 109.2	16.0	30.0	779 112 032	1.460
110.0	108.8 - 111.4	16.0	30.0	779 112 328	1.500
114.3	113.0 - 115.5	16.0	30.0	779 112 033	1.500
125.0	123.6 - 126.5	16.0	30.0	779 112 037	2.220
129.0	127.6 - 131.1	16.0	30.0	779 112 038	2.220
133.0	131.5 - 134.4	16.0	30.0	779 112 039	2.240
139.7	138.1 - 141.6	16.0	30.0	779 112 040	2.260
141.3	139.6 - 142.8	16.0	30.0	779 112 041	2.260
154.0	152.3 - 156.1	16.0	25.0	779 112 045	2.440
159.0	157.3 - 160.7	16.0	25.0	779 112 046	2.530
168.3	166.5 - 170.1	16.0	25.0	779 112 050	2.580
180.0	178.0 - 182.0	13.7	21.9	779 112 054	3.300
206.0	202.0 - 208.0	13.7	21.9	779 112 060	3.800
219.1	216.0 - 221.0	13.7	21.9	779 112 063	3.900
225.0	222.0 - 227.0	12.0	19.2	779 112 065	3.900
229.9	228.0 - 232.0	12.0	19.2	779 112 066	1.000
244.5	242.0 - 247.0	12.0	19.2	779 112 070	4.500

d [mm]	a [mm]	C ma x. [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
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
154.0	113	35	180	210
159.0	113	35	185	215
168.3	113	35	195	225
180.0	139	35	210	240
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 d1016

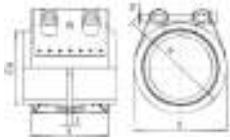
Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request



d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
254.0	250.0 - 256.0	12.0	19.2	779 101 073	779 104 073	779 109 073
267.0	264.0 - 269.0	12.0	19.2	779 101 076	779 104 076	779 109 076
273.0	270.0 - 275.0	12.0	19.2	779 101 078	779 104 078	779 109 078
306.0	302.0 - 308.0	9.0	14.4	779 101 085	779 104 085	779 109 085
323.9	320.0 - 327.0	9.0	14.4	779 101 091	779 104 091	779 109 091

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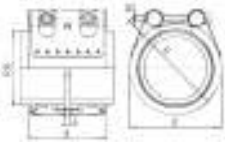


d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
326.0	322.0 - 329.0	9.0	14.4	779 101 092	779 104 092	779 109 092
355.6	352.0 - 359.0	9.0	14.4	779 101 102	779 104 102	779 109 102
406.4	402.0 - 410.0	7.5	12.0	779 101 116	779 104 116	779 109 116
429.0	426.0 - 431.0	5.5	8.8	779 101 124	779 104 124	779 109 124
457.2	454.0 - 459.0	5.5	8.8	779 101 131	779 104 131	779 109 131
508.0	505.0 - 510.0	5.5	8.8	779 101 145	779 104 145	779 109 145
531.0	528.0 - 534.0	5.0	8.0	779 101 152	779 104 152	779 109 152
558.8	556.0 - 562.0	5.0	8.0	779 101 159	779 104 159	779 109 159
609.6	606.0 - 613.0	3.5	5.6	779 101 172	779 104 172	779 109 172
634.0	631.0 - 637.0	3.5	5.6	779 101 179	779 104 179	779 109 179
711.2	707.0 - 715.0	3.5	5.6	779 101 197	779 104 197	779 109 197
762.0	758.0 - 766.0	3.0	4.8	779 101 210	779 104 210	779 109 210
813.0	808.0 - 817.0	3.0	4.8	779 101 223	779 104 223	779 109 223
914.4	909.0 - 919.0	2.0	3.2	779 101 245	779 104 245	779 109 245
1016.0	1013.0 - 1019.0	2.0	3.2	779 101 271	779 104 271	779 109 271

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
254.0	250.0 - 256.0	12.0	19.2	779 112 073	4.300
267.0	264.0 - 269.0	12.0	19.2	779 112 076	4.500
273.0	270.0 - 275.0	12.0	19.2	779 112 078	4.600
306.0	302.0 - 308.0	9.0	14.4	779 112 085	4.800
323.9	320.0 - 327.0	9.0	14.4	779 112 091	5.100
326.0	322.0 - 329.0	9.0	14.4	779 112 092	1.000
355.6	352.0 - 359.0	9.0	14.4	779 112 102	5.200
406.4	402.0 - 410.0	7.5	12.0	779 112 116	5.800
429.0	426.0 - 431.0	5.5	8.8	779 112 124	6.000
457.2	454.0 - 459.0	5.5	8.8	779 112 131	6.500
508.0	505.0 - 510.0	5.5	8.8	779 112 145	7.200
531.0	528.0 - 534.0	5.0	8.0	779 112 152	7.900
558.8	556.0 - 562.0	5.0	8.0	779 112 159	7.200
609.6	606.0 - 613.0	3.5	5.6	779 112 172	7.800
634.0	631.0 - 637.0	3.5	5.6	779 112 179	8.000
711.2	707.0 - 715.0	3.5	5.6	779 112 197	8.900
762.0	758.0 - 766.0	3.0	4.8	779 112 210	1.000
813.0	808.0 - 817.0	3.0	4.8	779 112 223	9.900
914.4	909.0 - 919.0	2.0	3.2	779 112 245	1.000
1016.0	1013.0 - 1019.0	2.0	3.2	779 112 271	1.000

d [mm]	a [mm]	C ma x. [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
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

PF 1 54 500 122



Flex d180 up to d406

Model:

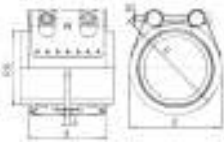
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, steel band insert AISI 316 Ti
- Gaskets 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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
180.0	178.0 - 182.0	21.5	34.4	779 054 054	779 056 054	779 062 054
206.0	204.0 - 208.0	21.5	34.4	779 054 060	779 056 060	779 062 060
219.1	216.0 - 221.0	21.5	34.4	779 054 063	779 056 063	779 062 063
225.0	222.0 - 227.0	17.0	27.2	779 054 065	779 056 065	779 062 065
229.9	228.0 - 232.0	17.0	27.2	779 054 066	779 056 066	779 062 066
244.5	242.0 - 247.0	17.0	27.2	779 054 070	779 056 070	779 062 070
254.0	250.0 - 256.0	17.0	27.2	779 054 073	779 056 073	779 062 073
267.0	264.0 - 269.0	17.0	27.2	779 054 076	779 056 076	779 062 076
273.0	270.0 - 275.0	17.0	27.0	779 054 078	779 056 078	779 062 078
306.0	302.0 - 308.0	15.0	24.0	779 054 085	779 056 085	779 062 085
323.9	320.0 - 327.0	15.0	24.0	779 054 091	779 056 091	779 062 091
326.0	322.0 - 329.0	13.2	21.1	779 054 092	779 056 092	779 062 092
355.6	352.0 - 359.0	13.2	21.1	779 054 102	779 056 102	779 062 102
406.4	402.0 - 410.0	12.3	19.7	779 054 116	779 056 116	779 062 116

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
180.0	178.0 - 182.0	21.5	34.4	779 064 054	4.000
206.0	204.0 - 208.0	21.5	34.4	779 064 060	5.100
219.1	216.0 - 221.0	21.5	34.4	779 064 063	5.100
225.0	222.0 - 227.0	17.0	27.2	779 064 065	1.000
229.9	228.0 - 232.0	17.0	27.2	779 064 066	1.000
244.5	242.0 - 247.0	17.0	27.2	779 064 070	6.000
254.0	250.0 - 256.0	17.0	27.2	779 064 073	1.000
267.0	264.0 - 269.0	17.0	27.2	779 064 076	6.000
273.0	270.0 - 275.0	17.0	27.0	779 064 078	6.000
306.0	302.0 - 308.0	15.0	24.0	779 064 085	6.500
323.9	320.0 - 327.0	15.0	24.0	779 064 091	6.500
326.0	322.0 - 329.0	13.2	21.1	779 064 092	1.000
355.6	352.0 - 359.0	13.2	21.1	779 064 102	7.000
406.4	402.0 - 410.0	12.3	19.7	779 064 116	7.700

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
180.0	141	35	210	240
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
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

PF 1 54 500 112



Flex d429 up to d1016

Model:

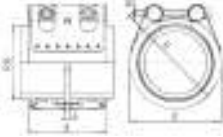
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, protection ring AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, protection ring AISI 316 Ti, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
429.0	426.0 - 431.0	7.5	12.0	779 054 124	779 056 124	779 062 124
457.2	454.0 - 459.0	7.5	12.0	779 054 131	779 056 131	779 062 131
508.0	505.0 - 510.0	7.5	12.0	779 054 145	779 056 145	779 062 145
531.0	528.0 - 534.0	7.5	12.0	779 054 152	779 056 152	779 062 152
558.8	556.0 - 562.0	7.5	12.0	779 054 159	779 056 159	779 062 159
609.6	606.0 - 613.0	5.0	8.0	779 054 172	779 056 172	779 062 172
634.0	631.0 - 637.0	5.0	8.0	779 054 179	779 056 179	779 062 179
711.2	707.0 - 715.0	5.0	8.0	779 054 197	779 056 197	779 062 197
762.0	758.0 - 766.0	4.5	7.2	779 054 210	779 056 210	779 062 210
812.8	808.0 - 817.0	4.5	7.2	779 054 223	779 056 223	779 062 223
914.4	909.0 - 919.0	3.3	5.3	779 054 245	779 056 245	779 062 245
1016.0	1013.0 - 1019.0	3.3	5.3	779 054 271	779 056 271	779 062 271

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
429.0	426.0 - 431.0	7.5	12.0	779 064 124	9.000
457.2	454.0 - 459.0	7.5	12.0	779 064 131	9.000
508.0	505.0 - 510.0	7.5	12.0	779 064 145	9.000
531.0	528.0 - 534.0	7.5	12.0	779 064 152	10.200
558.8	556.0 - 562.0	7.5	12.0	779 064 159	11.000
609.6	606.0 - 613.0	5.0	8.0	779 064 172	1.000
634.0	631.0 - 637.0	5.0	8.0	779 064 179	1.000
711.2	707.0 - 715.0	5.0	8.0	779 064 197	1.000
762.0	758.0 - 766.0	4.5	7.2	779 064 210	1.000
812.8	808.0 - 817.0	4.5	7.2	779 064 223	1.000
914.4	909.0 - 919.0	3.3	5.3	779 064 245	1.000
1016.0	1013.0 - 1019.0	3.3	5.3	779 064 271	1.000

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
429.0	141	35	210	240
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
812.8	141	35	340	370
914.4	141	35	355	385
1016.0	141	35	360	390

PF 1 54 500 115



Flex U d326 up to d1016

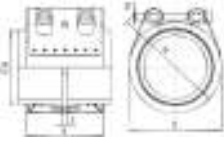
Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	kg
326.0	320.0 - 329.0	16.5	21.5	779 074 092	779 076 092	1.000
355.6	352.0 - 359.0	13.5	17.0	779 074 102	779 076 102	1.000
406.4	402.0 - 410.0	13.5	17.0	779 074 116	779 076 116	1.000
429.0	426.0 - 431.0	12.5	16.0	779 074 124	779 076 124	1.000
457.2	454.0 - 459.0	12.0	15.0	779 074 131	779 076 131	1.000
508.0	505.0 - 510.0	10.5	13.5	779 074 145	779 076 145	1.000
531.0	499.0 - 534.0	10.0	13.0	779 074 152	779 076 152	1.000
558.8	556.0 - 562.0	9.5	12.5	779 074 159	779 076 159	1.000
609.6	606.0 - 613.0	9.0	11.5	779 074 172	779 076 172	1.000
634.0	631.0 - 637.0	8.5	11.0	779 074 179	779 076 179	1.000
711.2	707.0 - 715.0	7.5	9.5	779 074 197	779 076 197	1.000
762.0	758.0 - 766.0	7.0	9.0	779 074 210	779 076 210	1.000
813.0	808.0 - 817.0	6.5	8.5	779 074 223	779 076 223	1.000
914.4	909.0 - 919.0	6.0	7.5	779 074 245	779 076 245	1.000
1016.0	1013.0 - 1019.0	5.0	6.5	779 074 271	779 076 271	1.000

d [mm]	a [mm]	C ma x. [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
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

PF 1 54 500 145



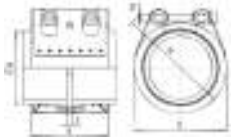
Grip E d26 up to d100

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.4 - 27.5	16.0	64.0	779 413 001	779 416 001	779 421 001
28.0	27.5 - 28.5	16.0	64.0	779 413 002	779 416 002	779 421 002
30.0	29.5 - 30.6	16.0	64.0	779 413 003	779 416 003	779 421 003
33.7	33.0 - 34.3	16.0	64.0	779 413 005	779 416 005	779 421 005
35.0	34.5 - 35.6	16.0	40.0	779 413 006	779 416 006	779 421 006
38.0	37.5 - 38.6	16.0	40.0	779 413 007	779 416 007	779 421 007
42.4	41.7 - 43.0	16.0	40.0	779 413 009	779 416 009	779 421 009
44.5	44.0 - 45.1	16.0	40.0	779 413 010	779 416 010	779 421 010
48.3	47.6 - 50.5	16.0	40.0	779 413 011	779 416 011	779 421 011
54.0	53.3 - 54.6	16.0	40.0	779 413 014	779 416 014	779 421 014
57.0	56.3 - 57.7	16.0	40.0	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	36.0	779 413 017	779 416 017	779 421 017
70.0	69.0 - 71.0	16.0	36.0	779 413 018	779 416 018	779 421 018
73.0	72.1 - 73.8	16.0	36.0	779 413 019	779 416 019	779 421 019
76.1	75.2 - 77.0	16.0	36.0	779 413 020	779 416 020	779 421 020
78.0	77.1 - 78.9	16.0	36.0	779 413 021	779 416 021	779 421 021
80.0	79.0 - 80.8	16.0	32.0	779 413 022	779 416 022	779 421 022
84.0	83.0 - 85.0	16.0	32.0	779 413 024	779 416 024	779 421 024
88.9	87.0 - 89.9	16.0	32.0	779 413 025	779 416 025	779 421 025
98.0	96.9 - 99.0	16.0	30.0	779 413 028	779 416 028	779 421 028

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
26.9	26.4 - 27.5	16.0	64.0	779 424 001	0.320
28.0	27.5 - 28.5	16.0	64.0	779 424 002	0.160
30.0	29.5 - 30.6	16.0	64.0	779 424 003	0.180
33.7	33.0 - 34.3	16.0	64.0	779 424 005	0.320
35.0	34.5 - 35.6	16.0	40.0	779 424 006	0.430
38.0	37.5 - 38.6	16.0	40.0	779 424 007	0.430
42.4	41.7 - 43.0	16.0	40.0	779 424 009	0.440
44.5	44.0 - 45.1	16.0	40.0	779 424 010	0.460
48.3	47.6 - 50.5	16.0	40.0	779 424 011	0.470
54.0	53.3 - 54.6	16.0	40.0	779 424 014	0.610
57.0	56.3 - 57.7	16.0	40.0	779 424 015	0.620
60.3	59.5 - 61.0	16.0	40.0	779 424 016	0.630
63.0	62.2 - 63.9	16.0	36.0	779 424 017	0.800
70.0	69.0 - 71.0	16.0	36.0	779 424 018	1.000
73.0	72.1 - 73.8	16.0	36.0	779 424 019	1.250
76.1	75.2 - 77.0	16.0	36.0	779 424 020	1.250
78.0	77.1 - 78.9	16.0	36.0	779 424 021	1.250
80.0	79.0 - 80.8	16.0	32.0	779 424 022	1.250
84.0	83.0 - 85.0	16.0	32.0	779 424 024	1.270
88.9	87.0 - 89.9	16.0	32.0	779 424 025	1.290
98.0	96.9 - 99.0	16.0	30.0	779 424 028	1.450



d [mm]	a [mm]	C ma x. [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:

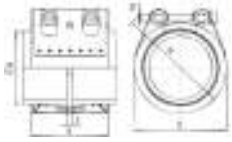
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	30.0	779 413 029	779 416 029	779 421 029
104.0	102.8 - 106.1	16.0	30.0	779 413 030	779 416 030	779 421 030
108.0	106.8 - 109.2	16.0	30.0	779 413 032	779 416 032	779 421 032
110.0	108.8 - 111.4	16.0	30.0	779 413 328	779 416 328	779 421 328
114.3	113.0 - 115.5	16.0	30.0	779 413 033	779 416 033	779 421 033
129.0	127.6 - 131.1	16.0	30.0	779 413 038	779 416 038	779 421 038
133.0	131.5 - 134.4	16.0	30.0	779 413 039	779 416 039	779 421 039
139.7	138.1 - 141.6	16.0	30.0	779 413 040	779 416 040	779 421 040
141.3	139.6 - 142.8	16.0	30.0	779 413 041	779 416 041	779 421 041
154.0	152.3 - 156.1	16.0	20.0	779 413 045	779 416 045	779 421 045
159.0	157.3 - 160.7	16.0	20.0	779 413 046	779 416 046	779 421 046
168.3	166.5 - 170.1	16.0	20.0	779 413 050	779 416 050	779 421 050
206.0	202.0 - 208.0	10.0	16.0	779 413 060	779 416 060	779 421 060
219.1	216.0 - 221.0	10.0	16.0	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	10.0	16.0	779 413 066	779 416 066	779 421 066
244.5	242.0 - 247.0	5.5	8.8	779 413 070	779 416 070	779 421 070

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
101.6	100.4 - 102.8	16.0	30.0	779 424 029	1.450
104.0	102.8 - 106.1	16.0	30.0	779 424 030	1.450
108.0	106.8 - 109.2	16.0	30.0	779 424 032	1.460
110.0	108.8 - 111.4	16.0	30.0	779 424 328	1.300
114.3	113.0 - 115.5	16.0	30.0	779 424 033	1.500
129.0	127.6 - 131.1	16.0	30.0	779 424 038	2.220
133.0	131.5 - 134.4	16.0	30.0	779 424 039	2.240
139.7	138.1 - 141.6	16.0	30.0	779 424 040	2.260
141.3	139.6 - 142.8	16.0	30.0	779 424 041	2.260
154.0	152.3 - 156.1	16.0	20.0	779 424 045	2.440
159.0	157.3 - 160.7	16.0	20.0	779 424 046	2.530
168.3	166.5 - 170.1	16.0	20.0	779 424 050	2.580
206.0	202.0 - 208.0	10.0	16.0	779 424 060	4.600
219.1	216.0 - 221.0	10.0	16.0	779 424 063	5.100
225.0	222.0 - 227.0	10.0	16.0	779 424 065	1.000
229.9	228.0 - 232.0	10.0	16.0	779 424 066	1.000
244.5	242.0 - 247.0	5.5	8.8	779 424 070	4.300

d [mm]	a [mm]	C ma x. [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
129.0	115	35	155	185
133.0	115	35	160	190
139.7	115	35	165	195
141.3	115	35	170	200

table continued next page



PF 1 54 507 122

d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
154.0	115	35	180	210
159.0	115	35	185	215
168.3	115	35	195	225
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



Grip E d251 up to d613

Model:

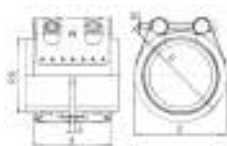
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
254.0	250.0 - 256.0	5.5	8.8	779 413 073	779 416 073	779 421 073
267.0	264.0 - 269.0	5.5	8.8	779 413 076	779 416 076	779 421 076
273.0	270.0 - 275.0	5.5	8.8	779 413 078	779 416 078	779 421 078
306.0	302.0 - 308.0	5.5	8.8	779 413 085	779 416 085	779 421 085
323.9	320.0 - 327.0	3.0	4.8	779 413 091	779 416 091	779 421 091
326.0	322.0 - 329.0	3.0	4.8	779 413 092	779 416 092	779 421 092
355.6	352.0 - 359.0	2.7	4.3	779 413 102	779 416 102	779 421 102
406.4	402.0 - 410.0	2.5	4.0	779 413 116	779 416 116	779 421 116
429.0	426.0 - 431.0	2.5	4.0	779 413 124	779 416 124	779 421 124
457.2	454.0 - 459.0	2.5	4.0	779 413 131	779 416 131	779 421 131
508.0	505.0 - 510.0	2.0	3.2	779 413 145	779 416 145	779 421 145
531.0	528.0 - 534.0	1.5	2.4	779 413 152	779 416 152	779 421 152
558.8	556.0 - 562.0	1.5	2.4	779 413 159	779 416 159	779 421 159
609.6	606.0 - 613.0	1.0	1.6	779 413 172	779 416 172	779 421 172

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
254.0	250.0 - 256.0	5.5	8.8	779 424 073	5.500
267.0	264.0 - 269.0	5.5	8.8	779 424 076	5.600
273.0	270.0 - 275.0	5.5	8.8	779 424 078	5.800
306.0	302.0 - 308.0	5.5	8.8	779 424 085	16.900
323.9	320.0 - 327.0	3.0	4.8	779 424 091	6.100
326.0	322.0 - 329.0	3.0	4.8	779 424 092	1.000
355.6	352.0 - 359.0	2.7	4.3	779 424 102	6.600
406.4	402.0 - 410.0	2.5	4.0	779 424 116	7.100
429.0	426.0 - 431.0	2.5	4.0	779 424 124	1.000
457.2	454.0 - 459.0	2.5	4.0	779 424 131	8.200
508.0	505.0 - 510.0	2.0	3.2	779 424 145	8.800
531.0	528.0 - 534.0	1.5	2.4	779 424 152	1.000
558.8	556.0 - 562.0	1.5	2.4	779 424 159	1.000
609.6	606.0 - 613.0	1.0	1.6	779 424 172	10.900

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
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

PF 1 54 507 122



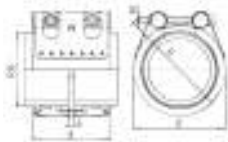
Grip d26 up to d100

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
26.9	26.5 - 27.5	16.0	64.0	779 401 001	779 404 001	779 409 001
28.0	27.5 - 28.5	16.0	64.0	779 401 002	779 404 002	779 409 002
30.0	29.5 - 30.6	16.0	64.0	779 401 003	779 404 003	779 409 003
33.7	33.0 - 34.3	16.0	64.0	779 401 005	779 404 005	779 409 005
35.0	34.5 - 35.6	16.0	40.0	779 401 006	779 404 006	779 409 006
38.0	37.5 - 38.6	16.0	40.0	779 401 007	779 404 007	779 409 007
42.4	41.7 - 43.0	16.0	40.0	779 401 009	779 404 009	779 409 009
44.5	44.0 - 45.1	16.0	40.0	779 401 010	779 404 010	779 409 010
48.3	47.6 - 50.5	16.0	40.0	779 401 011	779 404 011	779 409 011
54.0	53.3 - 54.6	16.0	40.0	779 401 014	779 404 014	779 409 014
57.0	56.3 - 57.7	16.0	40.0	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	36.0	779 401 017	779 404 017	779 409 017
70.0	69.0 - 71.0	16.0	36.0	779 401 018	779 404 018	779 409 018
73.0	72.1 - 73.8	16.0	36.0	779 401 019	779 404 019	779 409 019
76.1	75.2 - 77.0	16.0	36.0	779 401 020	779 404 020	779 409 020
78.0	77.1 - 78.9	16.0	36.0	779 401 021	779 404 021	779 409 021
80.0	79.0 - 80.8	16.0	32.0	779 401 022	779 404 022	779 409 022
84.0	83.0 - 85.0	16.0	32.0	779 401 024	779 404 024	779 409 024
88.9	87.0 - 89.9	16.0	32.0	779 401 025	779 404 025	779 409 025
98.0	96.9 - 99.0	16.0	30.0	779 401 028	779 404 028	779 409 028

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
26.9	26.5 - 27.5	16.0	64.0	779 412 001	0.400
28.0	27.5 - 28.5	16.0	64.0	779 412 002	0.400
30.0	29.5 - 30.6	16.0	64.0	779 412 003	0.400
33.7	33.0 - 34.3	16.0	64.0	779 412 005	0.400
35.0	34.5 - 35.6	16.0	40.0	779 412 006	0.540
38.0	37.5 - 38.6	16.0	40.0	779 412 007	0.540
42.4	41.7 - 43.0	16.0	40.0	779 412 009	0.550
44.5	44.0 - 45.1	16.0	40.0	779 412 010	0.560
48.3	47.6 - 50.5	16.0	40.0	779 412 011	0.580
54.0	53.3 - 54.6	16.0	40.0	779 412 014	0.750
57.0	56.3 - 57.7	16.0	40.0	779 412 015	0.760
60.3	59.5 - 61.0	16.0	40.0	779 412 016	0.770
63.0	62.2 - 63.9	16.0	36.0	779 412 017	1.000
70.0	69.0 - 71.0	16.0	36.0	779 412 018	1.000
73.0	72.1 - 73.8	16.0	36.0	779 412 019	1.400
76.1	75.2 - 77.0	16.0	36.0	779 412 020	1.400
78.0	77.1 - 78.9	16.0	36.0	779 412 021	1.400
80.0	79.0 - 80.8	16.0	32.0	779 412 022	1.000
84.0	83.0 - 85.0	16.0	32.0	779 412 024	1.460
88.9	87.0 - 89.9	16.0	32.0	779 412 025	1.480
98.0	96.9 - 99.0	16.0	30.0	779 412 028	1.600



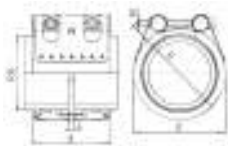
d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
26.9	67	3	50	70
28.0	67	3	50	70
30.0	67	3	50	70
33.7	67	3	55	75
35.0	63	8	55	75
38.0	63	8	60	80
42.4	63	8	65	85
44.5	63	8	65	85
48.3	63	8	70	90
54.0	78	17	75	95
57.0	78	17	80	100
60.3	78	17	85	105
63.0				
70.0				
73.0	98	25	95	115
76.1	98	25	100	120
78.0	98	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 54 507 112

Grip d101 up to d250

Model:

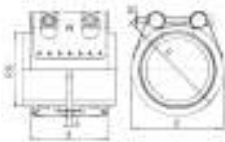
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request



d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
101.6	100.4 - 102.8	16.0	30.0	779 401 029	779 404 029	779 409 029
104.0	102.8 - 106.1	16.0	30.0	779 401 030	779 404 030	779 409 030
108.0	106.8 - 109.2	13.0	30.0	779 401 032	779 404 032	779 409 032
110.0	108.8 - 111.4	16.0	30.0	779 401 328	779 404 328	779 409 328
114.3	113.0 - 115.5	16.0	30.0	779 401 033	779 404 033	779 409 033
129.0	127.6 - 131.1	16.0	30.0	779 401 038	779 404 038	779 409 038
133.0	131.5 - 134.4	16.0	30.0	779 401 039	779 404 039	779 409 039
139.7	138.1 - 141.6	16.0	30.0	779 401 040	779 404 040	779 409 040
141.3	139.6 - 142.8	16.0	30.0	779 401 041	779 404 041	779 409 041
154.0	152.3 - 156.1	16.0	20.0	779 401 045	779 404 045	779 409 045
159.0	157.3 - 160.7	16.0	20.0	779 401 046	779 404 046	779 409 046
168.3	166.5 - 170.1	16.0	20.0	779 401 050	779 404 050	779 409 050
206.0	202.0 - 208.0	16.0	22.0	779 401 060	779 404 060	779 409 060
219.1	216.0 - 221.0	16.0	20.0	779 401 063	779 404 063	779 409 063
225.0	222.0 - 228.0	13.0	21.0	779 401 065	779 404 065	779 409 065
229.9	227.0 - 232.0	11.5	18.0	779 401 066	779 404 066	779 409 066
244.5	242.0 - 247.0	11.5	18.0	779 401 070	779 404 070	779 409 070

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
101.6	100.4 - 102.8	16.0	30.0	779 412 029	1.600
104.0	102.8 - 106.1	16.0	30.0	779 412 030	1.630
108.0	106.8 - 109.2	13.0	30.0	779 412 032	1.650
110.0	108.8 - 111.4	16.0	30.0	779 412 328	1.000
114.3	113.0 - 115.5	16.0	30.0	779 412 033	1.700

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d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
129.0	127.6 - 131.1	16.0	30.0	779 412 038	2.410
133.0	131.5 - 134.4	16.0	30.0	779 412 039	2.440
139.7	138.1 - 141.6	16.0	30.0	779 412 040	2.450
141.3	139.6 - 142.8	16.0	30.0	779 412 041	2.450
154.0	152.3 - 156.1	16.0	20.0	779 412 045	2.640
159.0	157.3 - 160.7	16.0	20.0	779 412 046	2.690
168.3	166.5 - 170.1	16.0	20.0	779 412 050	2.750
206.0	202.0 - 208.0	16.0	22.0	779 412 060	6.500
219.1	216.0 - 221.0	16.0	20.0	779 412 063	6.500
225.0	222.0 - 228.0	13.0	21.0	779 412 065	1.000
229.9	227.0 - 232.0	11.5	18.0	779 412 066	1.000
244.5	242.0 - 247.0	11.5	18.0	779 412 070	1.000

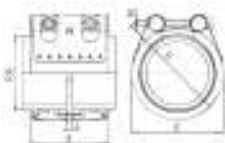
d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
101.6	98	25	125	145
104.0	98	25	125	145
108.0	98	25	130	150
110.0	98	25	130	150
114.3	98	25	135	155
129.0	115	35	155	185
133.0	115	35	160	190
139.7	115	35	165	195
141.3	115	35	170	200
154.0	115	35	180	210
159.0	115	35	185	215
168.3	115	35	195	225
206.0	142	35	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 54 507 112

Grip d251 up to d711

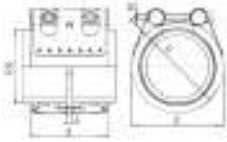
Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request



d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
252.5	250.0 - 256.0	10.5	17.5	779 401 073	779 404 073	779 409 073
267.0	264.0 - 269.0	10.5	17.5	779 401 076	779 404 076	779 409 076
273.0	270.0 - 275.0	10.0	16.0	779 401 078	779 404 078	779 409 078
306.0	302.0 - 308.0	8.0	13.0	779 401 085	779 404 085	779 409 085
323.9	320.0 - 327.0	7.0	11.0	779 401 091	779 404 091	779 409 091
326.0	322.0 - 329.0	7.0	11.0	779 401 092	779 404 092	779 409 092
355.6	352.0 - 359.0	5.5	9.0	779 401 102	779 404 102	779 409 102
406.4	402.0 - 410.0	4.5	7.2	779 401 116	779 404 116	779 409 116
429.0	426.0 - 431.0	4.5	7.2	779 401 124	779 404 124	779 409 124
457.2	454.0 - 459.0	3.5	5.6	779 401 131	779 404 131	779 409 131

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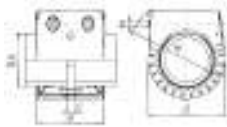


d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
508.0	505.0 - 510.0	3.5	5.6	779 401 145	779 404 145	779 409 145
531.0	528.0 - 534.0	3.5	5.6	779 401 152	779 404 152	779 409 152
558.8	556.0 - 562.0	3.0	4.8	779 401 159	779 404 159	779 409 159
609.6	606.0 - 613.0	3.0	4.8	779 401 172	779 404 172	779 409 172
634.0	631.0 - 637.0	3.0	4.8	779 401 179	779 404 179	779 409 179
711.2	707.0 - 715.0	2.5	4.0	779 401 197	779 404 197	779 409 197

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
252.5	250.0 - 256.0	10.5	17.5	779 412 073	1.000
267.0	264.0 - 269.0	10.5	17.5	779 412 076	7.900
273.0	270.0 - 275.0	10.0	16.0	779 412 078	8.000
306.0	302.0 - 308.0	8.0	13.0	779 412 085	10.000
323.9	320.0 - 327.0	7.0	11.0	779 412 091	9.500
326.0	322.0 - 329.0	7.0	11.0	779 412 092	1.000
355.6	352.0 - 359.0	5.5	9.0	779 412 102	10.800
406.4	402.0 - 410.0	4.5	7.2	779 412 116	12.000
429.0	426.0 - 431.0	4.5	7.2	779 412 124	12.700
457.2	454.0 - 459.0	3.5	5.6	779 412 131	8.100
508.0	505.0 - 510.0	3.5	5.6	779 412 145	15.000
531.0	528.0 - 534.0	3.5	5.6	779 412 152	15.700
558.8	556.0 - 562.0	3.0	4.8	779 412 159	1.000
609.6	606.0 - 613.0	3.0	4.8	779 412 172	9.800
634.0	631.0 - 637.0	3.0	4.8	779 412 179	1.000
711.2	707.0 - 715.0	2.5	4.0	779 412 197	21.000

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
355.6	142	35	390	420
406.4	142	35	440	470
429.0	142	35	460	490
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 54 507 112



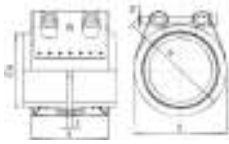
Grip FP E d35 up to d168

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	kg
35.0	34.5 - 35.6	10.0	35.0	779 570 006	779 573 006	0.430
38.0	37.5 - 38.6	10.0	35.0	779 570 007	779 573 007	0.430
42.4	41.7 - 43.0	10.0	35.0	779 570 009	779 573 009	0.440
44.5	44.0 - 45.1	10.0	35.0	779 570 010	779 573 010	0.460
48.3	47.6 - 50.5	10.0	35.0	779 570 011	779 573 011	0.470
54.0	53.3 - 54.6	16.0	50.0	779 570 014	779 573 014	0.610
57.0	56.3 - 57.7	16.0	50.0	779 570 015	779 573 015	0.620
60.3	59.5 - 61.0	16.0	40.0	779 570 016	779 573 016	0.770
63.0	62.2 - 63.9	16.0	40.0	779 570 017	779 573 017	1.000
73.0	72.1 - 73.8	16.0	40.0	779 570 019	779 573 019	1.250
76.1	75.2 - 77.0	16.0	35.0	779 570 020	779 573 020	1.400
84.0	83.0 - 85.0	16.0	35.0	779 570 024	779 573 024	1.270
88.9	87.0 - 89.9	16.0	35.0	779 570 025	779 573 025	1.480
98.0	96.6 - 99.0	16.0	35.0	779 570 028	779 573 028	1.450
101.6	100.4 - 102.8	16.0	35.0	779 570 029	779 573 029	1.450
104.0	102.8 - 106.1	16.0	35.0	779 570 030	779 573 030	1.430
108.0	106.8 - 109.2	16.0	35.0	779 570 032	779 573 032	1.650
114.3	113.0 - 115.5	16.0	35.0	779 570 033	779 573 033	1.700
129.0	127.6 - 131.1	16.0	32.0	779 570 038	779 573 038	2.220
133.0	131.5 - 134.4	16.0	32.0	779 570 039	779 573 039	2.240
139.7	138.1 - 141.6	16.0	32.0	779 570 040	779 573 040	2.450
141.3	139.6 - 142.8	16.0	32.0	779 570 041	779 573 041	2.260
154.0	152.3 - 156.1	16.0	32.0	779 570 045	779 573 045	2.440
159.0	157.3 - 160.7	16.0	32.0	779 570 046	779 573 046	2.530
168.3	166.5 - 170.1	16.0	32.0	779 570 050	779 573 050	2.580

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
129.0	125	35	165	215
133.0	125	35	170	220
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 d40 up to d160

Model:

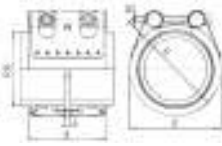
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for metal pipes AISI 301, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°C – 125°C 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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- Other dimensions available on request

d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code
40.0	39.0 - 40.5	38.0	37.5 - 38.6	16.0	20.0	779 537 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	20.0	779 537 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	20.0	779 537 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	20.0	779 537 016
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	20.0	779 537 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	20.0	779 537 025
110.0	108.0 - 111.0	108.0	107.0 - 109.0	16.0	20.0	779 537 032
110.0	108.0 - 111.0	114.3	113.0 - 116.0	16.0	20.0	779 537 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	20.0	779 537 033
125.0	123.0 - 126.0	129.0	127.0 - 131.0	16.0	20.0	779 537 038
140.0	138.0 - 142.0	139.7	138.0 - 141.0	16.0	20.0	779 537 040
160.0	158.0 - 162.0	159.0	158.0 - 161.0	16.0	20.0	779 537 046

d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
40.0	39.0 - 40.5	38.0	37.5 - 38.6	16.0	20.0	779 540 007	0.480
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	20.0	779 540 009	0.480
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	20.0	779 540 011	0.530
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	20.0	779 540 016	0.670
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	20.0	779 540 020	1.300
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	20.0	779 540 025	1.400
110.0	108.0 - 111.0	108.0	107.0 - 109.0	16.0	20.0	779 540 032	1.600
110.0	108.0 - 111.0	114.3	113.0 - 116.0	16.0	20.0	779 540 501	1.600
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	20.0	779 540 033	1.000
125.0	123.0 - 126.0	129.0	127.0 - 131.0	16.0	20.0	779 540 038	3.000
140.0	138.0 - 142.0	139.7	138.0 - 141.0	16.0	20.0	779 540 040	3.200
160.0	158.0 - 162.0	159.0	158.0 - 161.0	16.0	20.0	779 540 046	3.500

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
75.0	74.0 - 76.0	98	25	100	120
90.0	89.0 - 91.0	98	25	110	130
110.0	108.0 - 111.0	98	25	130	150
110.0	108.0 - 111.0	98	25	135	155
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
160.0	158.0 - 162.0	115	35	180	210

PF 1 54 507 145



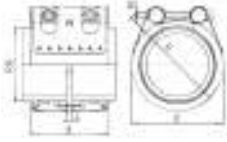
Combi Grip d40 up to d400

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	20.0	779 513 007	779 516 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	20.0	779 513 009	779 516 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	20.0	779 513 011	779 516 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	20.0	779 513 016	779 516 016
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	20.0	779 513 020	779 516 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	20.0	779 513 025	779 516 025
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	20.0	779 513 032	779 516 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	20.0	779 513 501	779 516 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	20.0	779 513 033	779 516 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	20.0	779 513 038	779 516 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	20.0	779 513 040	779 516 040
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	20.0	779 513 046	779 516 046
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	20.0	779 513 329	779 516 329
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	16.0	779 513 064	779 516 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	15.0	779 513 073	779 516 073
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	13.0	779 513 079	779 516 079
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	7.0	779 513 102	779 516 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	7.0	779 513 116	779 516 116

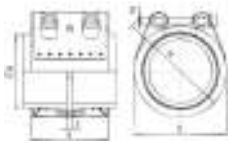
d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	20.0	779 522 007
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	20.0	779 522 009
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	20.0	779 522 011
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	20.0	779 522 016
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	20.0	779 522 020
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	20.0	779 522 025
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	20.0	779 522 032
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	20.0	779 522 501
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	20.0	779 522 033
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	20.0	779 522 038
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	20.0	779 522 040
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	20.0	779 522 046
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	20.0	779 522 329
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	16.0	779 522 064
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	15.0	779 522 073
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	13.0	779 522 079
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	7.0	779 522 102
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	7.0	779 522 116



d [mm]	Range plastic [mm]	d [mm]	Range metal [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
40.0	39.0 - 40.5	39.0	37.5 - 38.6	16.0	20.0	779 524 007	1.000
40.0	39.0 - 40.5	42.4	41.7 - 43.0	16.0	20.0	779 524 009	1.000
50.0	49.0 - 50.5	48.3	47.6 - 50.5	16.0	20.0	779 524 011	1.000
63.0	62.0 - 63.5	60.3	59.5 - 61.0	16.0	20.0	779 524 016	1.000
75.0	74.0 - 76.0	76.1	75.2 - 77.0	16.0	20.0	779 524 020	1.000
90.0	89.0 - 91.0	88.9	87.0 - 89.9	16.0	20.0	779 524 025	1.000
110.0	109.0 - 111.0	108.0	106.8 - 109.2	16.0	20.0	779 524 032	1.000
110.0	109.0 - 111.0	114.3	113.0 - 115.5	16.0	20.0	779 524 501	1.000
114.3	113.0 - 115.5	114.3	113.0 - 115.5	16.0	20.0	779 524 033	1.000
125.0	123.0 - 126.0	129.0	127.6 - 131.1	16.0	20.0	779 524 038	1.000
140.0	138.0 - 142.0	139.7	138.1 - 141.6	16.0	20.0	779 524 040	1.000
160.0	158.0 - 162.0	159.0	157.3 - 160.7	16.0	20.0	779 524 046	1.000
200.0	198.0 - 202.0	204.0	202.0 - 206.0	16.0	20.0	779 524 329	6.300
225.0	222.0 - 227.0	219.1	216.0 - 221.0	10.0	16.0	779 524 064	6.800
250.0	247.0 - 253.0	254.0	250.0 - 256.0	10.0	15.0	779 524 073	1.000
280.0	277.0 - 283.0	273.0	270.0 - 275.0	10.0	13.0	779 524 079	8.500
355.0	351.0 - 359.0	355.6	352.0 - 359.0	6.0	7.0	779 524 102	10.800
400.0	396.0 - 404.0	406.4	402.0 - 410.0	6.0	7.0	779 524 116	1.000

d [mm]	a [mm]	C ma x. [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
75.0	98	25	95	115
90.0	98	25	110	130
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
160.0	115	35	180	200
200.0	142	35	235	265
225.0	142	35	255	285
250.0	142	35	285	315
280.0	142	35	310	340
355.0	142	35	390	420
400.0	142	35	440	470

PF 1 54 507 132



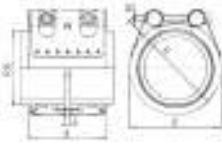
Plast Grip E d40 up to d160

Model:

- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°C – 125°C and $\varnothing > 180$ mm - 20°C – 80°C; with NBR gasket -20°C – 80°C
- EPDM for: water, Aqueous acids, alkaline solutions, alcohols, compressed air
- NBR for: water, sea water, mineral oils, lubricants, fuels, gas, compressed air
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- For all plastic pipes, the use of an insert stiffener (see accessories) is advised or in some cases mandatory, check our technical handbook.
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	NBR W5 Code	EPDM W5 Code	kg	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	39.0 - 40.5	16.0	779 529 008	779 532 008	0.480	62	8	60	80
50.0	49.0 - 50.5	16.0	779 529 012	779 532 012	0.530	62	8	70	90
60.3	59.5 - 61.0	16.0	779 529 016	779 532 016	0.670	78	17	85	105
63.0	62.0 - 63.5	16.0	779 529 017	779 532 017	0.670	78	17	85	105
75.0	74.0 - 76.0	16.0	779 529 020	779 532 020	1.300	98	25	100	120
90.0	89.0 - 91.0	16.0	779 529 025	779 532 025	1.400	98	25	110	130
110.0	109.0 - 111.0	16.0	779 529 032	779 532 032	1.600	98	25	130	150
114.3	113.0 - 115.5	16.0	779 529 033	779 532 033	1.000	98	25	135	155
125.0	124.0 - 126.0	16.0	779 529 037	779 532 037	3.000	115	35	150	170
140.0	139.0 - 141.0	16.0	779 529 040	779 532 040	3.200	115	35	160	180
160.0	159.0 - 162.0	16.0	779 529 046	779 532 046	3.500	115	35	180	200

PF 1 54 507 165



Plast Grip d40 up to d140

Model:

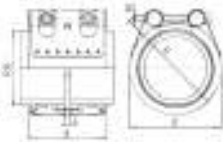
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring rings for metal or plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
40.0	39.0 - 40.5	16.0	20.0	779 501 008	779 504 008	779 509 008
50.0	49.0 - 50.5	16.0	20.0	779 501 012	779 504 012	779 509 012
63.0	62.0 - 63.5	16.0	20.0	779 501 017	779 504 017	779 509 017
75.0	74.0 - 76.0	16.0	20.0	779 501 020	779 504 020	779 509 020
90.0	89.0 - 91.0	16.0	20.0	779 501 025	779 504 025	779 509 025
110.0	109.0 - 111.0	16.0	20.0	779 501 032	779 504 032	779 509 032
125.0	124.0 - 126.0	16.0	20.0	779 501 037	779 504 037	779 509 037
140.0	139.0 - 141.0	16.0	20.0	779 501 040	779 504 040	779 509 040

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
40.0	39.0 - 40.5	16.0	20.0	779 512 008	1.000
50.0	49.0 - 50.5	16.0	20.0	779 512 012	1.000
63.0	62.0 - 63.5	16.0	20.0	779 512 017	0.670
75.0	74.0 - 76.0	16.0	20.0	779 512 020	1.000
90.0	89.0 - 91.0	16.0	20.0	779 512 025	1.000
110.0	109.0 - 111.0	16.0	20.0	779 512 032	1.500
125.0	124.0 - 126.0	16.0	20.0	779 512 037	1.000
140.0	139.0 - 141.0	16.0	20.0	779 512 040	1.000

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
40.0	62	8	60	80
50.0	62	8	70	90
63.0	78	17	85	105
75.0	98	25	100	120
90.0	98	25	110	130
110.0	98	25	130	150
125.0	115	35	150	170
140.0	115	35	160	180

PF 1 54 507 152



Plast Grip d160 up to d400

Model:

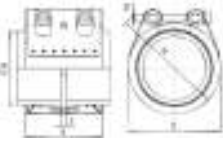
- All metal parts W2 quality: housing AISI 304, bolts AISI 4140H, lock bars AISI 12 L 14, anchoring rings for metal or plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- All metal parts W5 quality: housing AISI 316 Ti, bolts AISI 316 L, lock bars AISI 316, anchoring ring for plastic pipes PA-GF brass, steel band insert AISI 316 Ti
- Gaskets NBR or EPDM
- Temperature range: with EPDM gasket $\varnothing < 170$ mm -30°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W2 Code	EPDM W2 Code	NBR W5 Code
160.0	159.0 - 162.0	16.0	20.0	779 501 046	779 504 046	779 509 046
180.0	178.0 - 182.0	16.0	20.0	779 501 054	779 504 054	779 509 054
200.0	198.0 - 202.0	16.0	20.0	779 501 059	779 504 059	779 509 059
225.0	222.0 - 227.0	10.0	16.0	779 501 065	779 504 065	779 509 065
250.0	247.0 - 253.0	10.0	15.0	779 501 071	779 504 071	779 509 071
280.0	277.0 - 283.0	10.0	13.0	779 501 079	779 504 079	779 509 079
315.0	311.0 - 318.0	6.0	9.0	779 501 088	779 504 088	779 509 088
355.0	352.0 - 359.0	6.0	7.0	779 501 102	779 504 102	779 509 102
400.0	396.0 - 404.0	6.0	7.0	779 501 114	779 504 114	779 509 114

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	EPDM W5 Code	kg
160.0	159.0 - 162.0	16.0	20.0	779 512 046	1.000
180.0	178.0 - 182.0	16.0	20.0	779 512 054	6.200
200.0	198.0 - 202.0	16.0	20.0	779 512 059	6.600
225.0	222.0 - 227.0	10.0	16.0	779 512 065	7.200
250.0	247.0 - 253.0	10.0	15.0	779 512 071	7.700
280.0	277.0 - 283.0	10.0	13.0	779 512 079	9.000
315.0	311.0 - 318.0	6.0	9.0	779 512 088	10.000
355.0	352.0 - 359.0	6.0	7.0	779 512 102	10.800
400.0	396.0 - 404.0	6.0	7.0	779 512 114	11.100

d [mm]	a [mm]	C max. [mm]	d [mm]	H [mm]
160.0	115	35	180	200
180.0	142	35	210	240
200.0	142	35	230	260
225.0	142	35	255	285
250.0	142	35	280	310
280.0	142	35	310	340
315.0	142	35	345	375
355.0	142	35	385	415
400.0	142	35	430	460

PF 1 54 507 152



Rep E d35 up to d110

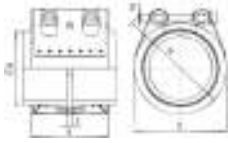
Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	kg
35.0	34.5 - 35.6	16.0	48.0	779 309 006	779 312 006	0.500
38.0	37.5 - 38.6	16.0	48.0	779 309 007	779 312 007	0.430
42.4	41.7 - 43.0	16.0	48.0	779 309 009	779 312 009	0.550
44.5	44.0 - 45.1	16.0	40.0	779 309 010	779 312 010	0.460
48.3	47.6 - 50.0	16.0	40.0	779 309 011	779 312 011	0.580
54.0	53.3 - 54.6	16.0	40.0	779 309 014	779 312 014	0.750
57.0	56.3 - 57.7	16.0	40.0	779 309 015	779 312 015	0.760
60.3	59.5 - 61.0	16.0	40.0	779 309 016	779 312 016	0.770
63.0	62.2 - 63.9	16.0	36.0	779 309 017	779 312 017	1.000
70.0	69.0 - 71.0	16.0	36.0	779 309 018	779 312 018	1.000
73.0	72.1 - 73.8	16.0	36.0	779 309 019	779 312 019	1.250
76.1	75.2 - 77.0	16.0	36.0	779 309 020	779 312 020	1.400
78.0	77.1 - 78.9	16.0	32.0	779 309 021	779 312 021	1.250
80.0	79.0 - 80.8	16.0	32.0	779 309 022	779 312 022	1.000
84.0	83.0 - 85.0	16.0	32.0	779 309 024	779 312 024	1.460
88.9	87.0 - 89.9	16.0	32.0	779 309 025	779 312 025	1.480
98.0	96.9 - 99.0	16.0	30.0	779 309 028	779 312 028	1.450
101.6	100.4 - 102.8	16.0	30.0	779 309 029	779 312 029	1.450
104.0	102.8 - 106.1	16.0	30.0	779 309 030	779 312 030	1.630
108.0	106.8 - 109.2	16.0	30.0	779 309 032	779 312 032	1.650
110.0	108.8 - 111.4	16.0	30.0	779 309 328	779 312 328	1.460

d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
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	100
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	145
101.6	98	25	125	145
104.0	98	25	125	145
108.0	98	25	130	150
110.0	98	25	130	150

PF 1 54 505 115



Rep E d114 up to d245

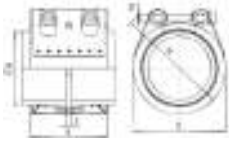
Model:

- 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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	kg
114.3	113.0 - 115.5	16.0	30.0	779 309 033	779 312 033	1.700
125.0	123.6 - 126.5	16.0	30.0	779 309 037	779 312 037	1.750
129.0	127.6 - 131.1	16.0	30.0	779 309 038	779 312 038	2.410
133.0	131.5 - 134.4	16.0	30.0	779 309 039	779 312 039	2.440
139.7	138.1 - 141.6	16.0	30.0	779 309 040	779 312 040	2.450
141.3	139.6 - 142.8	16.0	30.0	779 309 041	779 312 041	2.450
154.0	152.3 - 156.1	16.0	25.0	779 309 045	779 312 045	2.640
159.0	157.3 - 160.7	16.0	25.0	779 309 046	779 312 046	2.690
168.3	166.5 - 170.1	16.0	25.0	779 309 050	779 312 050	2.750
180.0	178.0 - 182.0	13.7	21.9	779 309 054	779 312 054	3.700
206.0	202.0 - 208.0	13.7	21.9	779 309 060	779 312 060	1.000
219.1	216.0 - 221.0	13.7	21.9	779 309 063	779 312 063	3.900
225.0	222.0 - 227.0	12.0	19.2	779 309 065	779 312 065	4.000
229.9	228.0 - 232.0	12.0	19.2	779 309 066	779 312 066	1.000
244.5	242.0 - 247.0	12.0	19.2	779 309 070	779 312 070	4.300

d [mm]	a [mm]	C ma x. [mm]	d [mm]	H [mm]
114.3	98	25	135	155
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
154.0	113	35	180	210
159.0	113	35	185	215
168.3	113	35	195	225
180.0	139	35	210	240
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 54 505 115



Rep E d254 up to d1016

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°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
- Nominal pressure (PN) is meant for ship building purposes; Operating pressure P max is meant for industrial purposes
- Other dimensions available on request

d [mm]	Range [mm]	PN [bar]	Operating pressure P max. [bar]	NBR W5 Code	EPDM W5 Code	kg
254.0	250.0 - 256.0	12.0	19.2	779 309 073	779 312 073	4.300
267.0	264.0 - 269.0	12.0	19.2	779 309 076	779 312 076	7.900
273.0	270.0 - 275.0	12.0	19.2	779 309 078	779 312 078	4.600
306.0	302.0 - 308.0	9.0	14.4	779 309 085	779 312 085	4.800
323.9	320.0 - 327.0	9.0	14.4	779 309 091	779 312 091	5.100
326.0	322.0 - 329.0	9.0	14.4	779 309 092	779 312 092	1.000
355.6	352.0 - 359.0	9.0	14.4	779 309 102	779 312 102	5.600
406.4	402.0 - 410.0	7.5	12.0	779 309 116	779 312 116	4.800
429.0	426.0 - 431.0	5.5	8.8	779 309 124	779 312 124	1.000
457.2	454.0 - 459.0	5.5	8.8	779 309 131	779 312 131	6.500
508.0	505.0 - 510.0	5.5	8.8	779 309 145	779 312 145	7.200
531.0	528.0 - 534.0	5.0	8.0	779 309 152	779 312 152	5.400
558.8	556.0 - 562.0	5.0	8.0	779 309 159	779 312 159	7.200
609.6	606.0 - 613.0	3.5	5.6	779 309 172	779 312 172	7.800
634.0	631.0 - 637.0	3.5	5.6	779 309 179	779 312 179	1.000
711.2	707.0 - 715.0	3.5	5.6	779 309 197	779 312 197	8.900
762.0	758.0 - 766.0	3.0	4.8	779 309 210	779 312 210	1.000
813.0	808.0 - 817.0	3.0	4.8	779 309 223	779 312 223	9.900
914.4	909.0 - 919.0	2.0	3.2	779 309 245	779 312 245	10.100
1016.0	1013.0 - 1019.0	2.0	3.2	779 309 271	779 312 271	1.000

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
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

PF 1 54 505 115



Plastic Street Covers

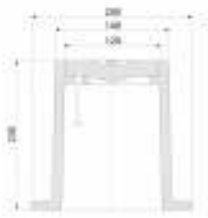
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Plastic Street Covers

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

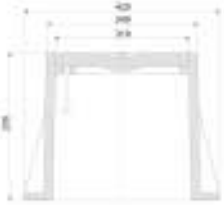
Type	Description	Code
black street cover with black lid BP-350-350 base plate	with black inlay without text for steady positioning	200 005 102 200 005 091
Type	Size	
black street cover with black lid BP-350-350 base plate	185 x 185 x 250 (LxWxH) outside 350x350 mm, inside 185x185 mm	



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 for steady positioning stackable mounting base	200 005 130 200 005 137 200 005 138	
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

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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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