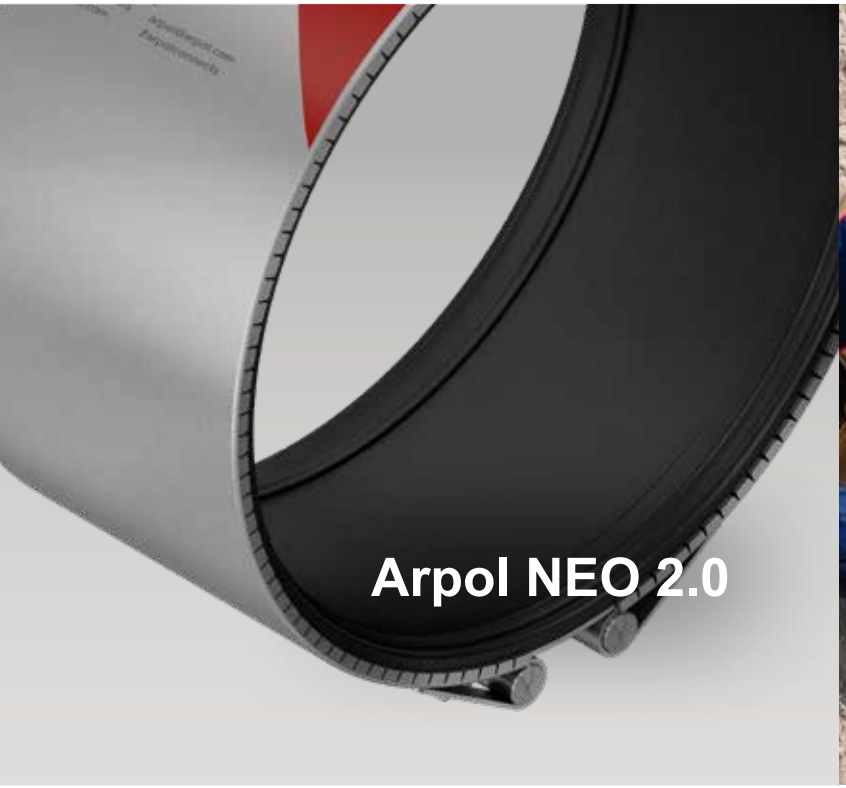
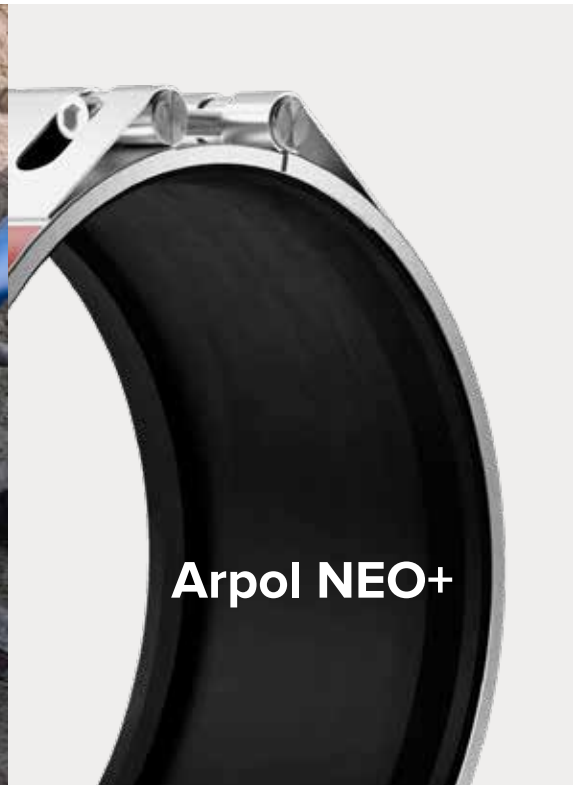
TECHNICAL MANUAL

Arpol NEO

Connect and repair; any pipe, any time.

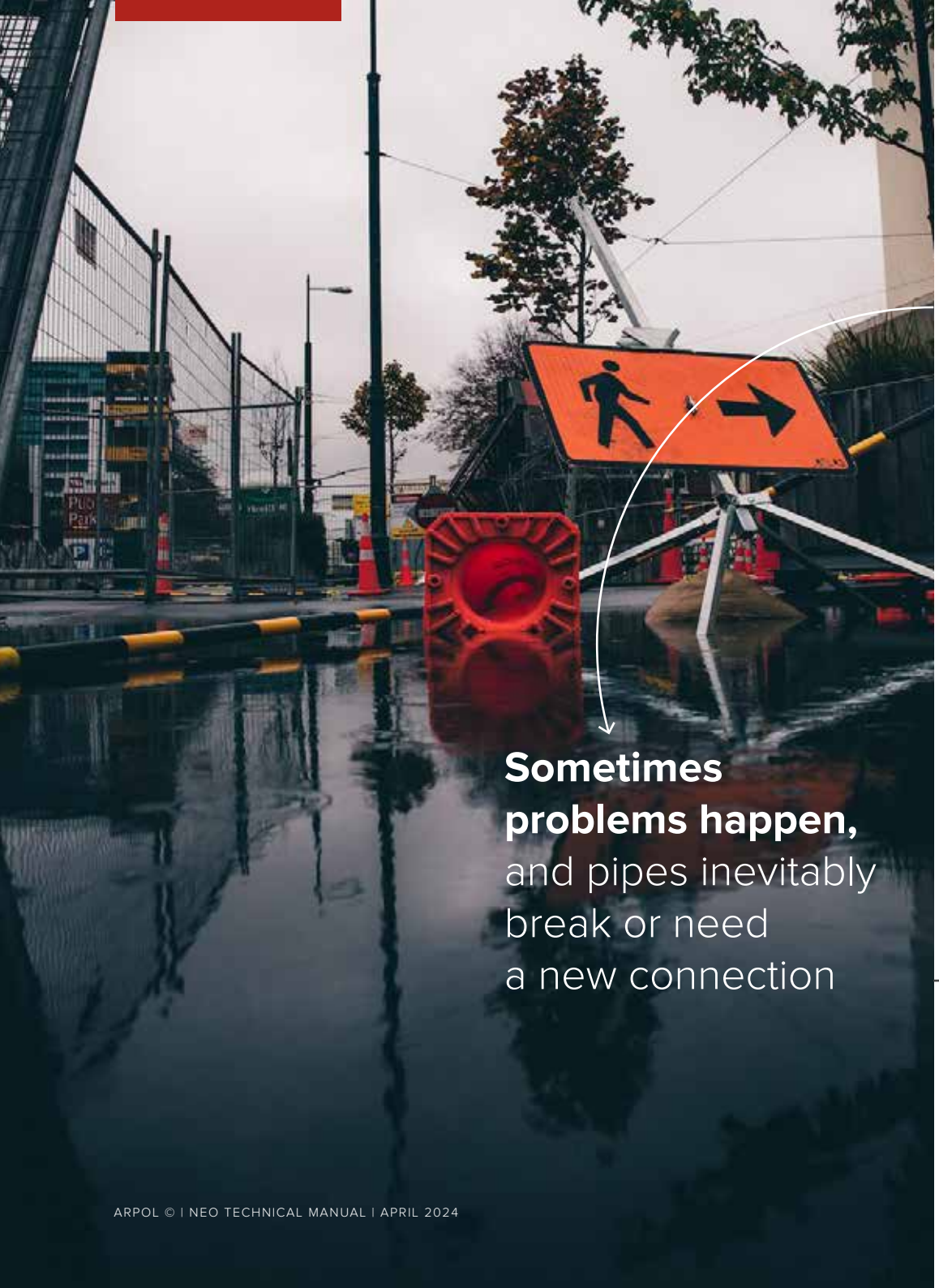




∅
40-1250 MM

Because connecting matters

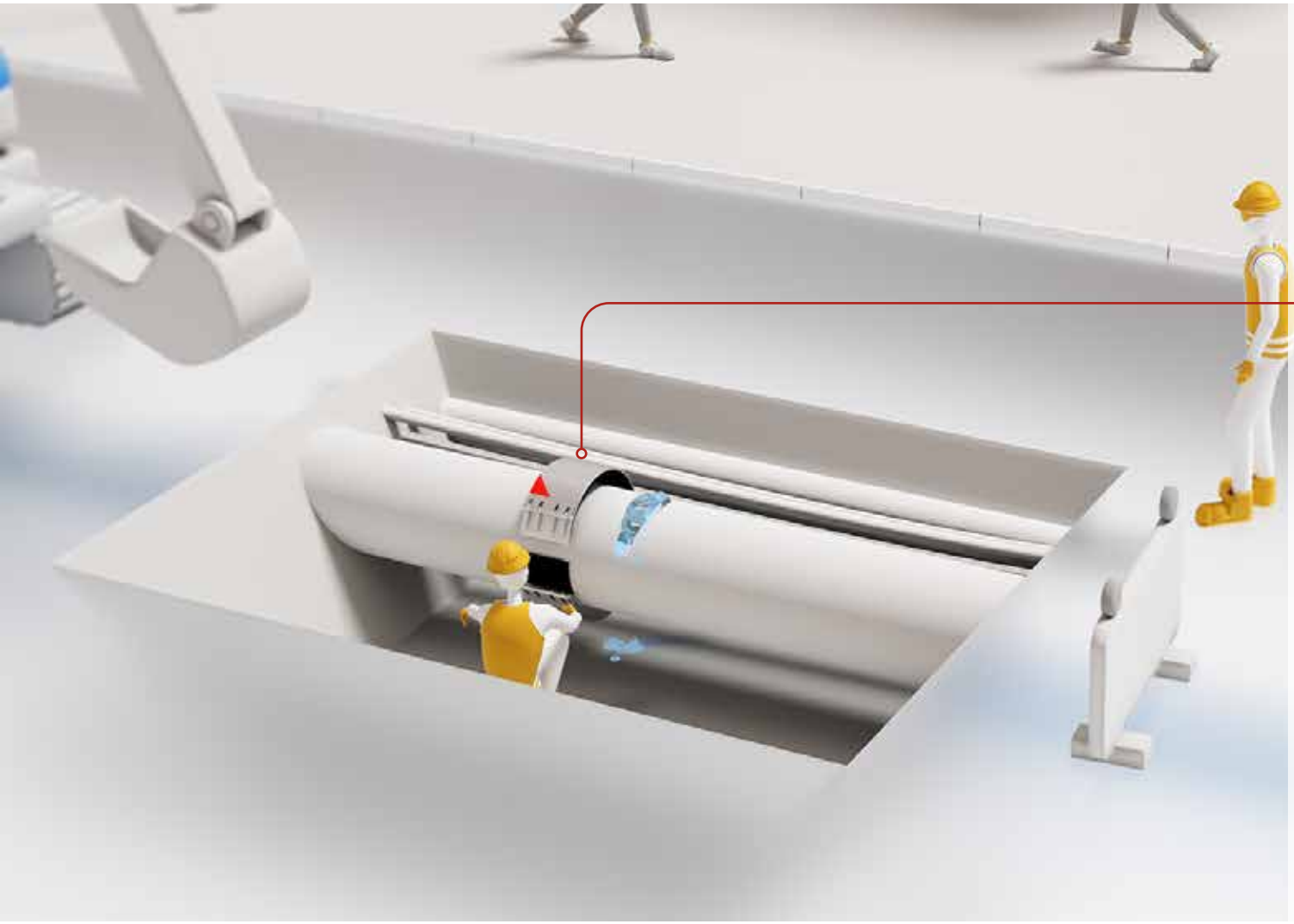
arpol.com



Sometimes problems happen, and pipes inevitably break or need a new connection

Arpol repairs any pipe, any time

Solving pipe breaks and connections, any pipe, any time



Arpol NEO

Solutions
Connect and repair any pipe

Time to mount
From 10 to 30 min

Advantages
Coupling range 28 mm

Angular defletion
<DN100: 2°
<DN200: 4°
<DN800: 6°
<DN1100: 5°
<1500: 4°

Diameter
OD 48 mm-1250 mm

Pressure
PN 16 bar

Crack width
Up to 100 mm / 190mm

Connect & repair
Cast iron, Steel pipe, GRP pipe, Concrete Pipe, Asbestos Cement pipe, Stainless steel pipe

Repair
PE and PVC pipe

∅
40-1250 MM

Discover the details
of Arpol NEO couplings

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List of references by pipe material

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About Arpol

At Arpol, we believe that the power of connection can transform the future. Since 1976, our commitment has been to bridge the gap between technology, resources, and people.

Because connecting matters

Specializing in the design and manufacture of flexible joints for pipe repair and connection, we continuously innovate, setting the highest standards of quality for our products. From our headquarters in Premià de Dalt, Barcelona, we oversee a range of patented solutions that enhance the efficiency and reliability of piping systems across diverse sectors.

Every project presents its unique challenges, but Arpol is always ready to assist. Inspired by our mission to build a better tomorrow, we move forward every day, turning complications into opportunities for progress and positive change.

Product overview

Arpol NEO: The smart choice in pipe repair

Arpol NEO is your ultimate solution for pipe repair. Designed with simplicity and efficiency in mind, Arpol NEO embodies the principles of "Open. Close. Done." It is the result of decades of expertise, tailored to meet the demands of modern infrastructure.

Effortless installation

Arpol NEO ensures a perfect fit every time, making installation straightforward and quick. Its design is intuitive, allowing for seamless integration into any system, saving you time and reducing labor costs.

Unmatched durability

Built to withstand pressures up to PN16 across the entire range, Arpol NEO is more resistant and robust. Its corrosion-resistant properties further ensure longevity and reliability, safeguarding your investments in infrastructure.

Flexibility and versatility

Arpol NEO's ultra-flexible nature allows it to adapt and repair any pipe, at any time, covering all sizes from DN40 to DN400. Whether it's a routine fix or an emergency repair, Arpol NEO is ready to handle the challenge.

Simplified inventory management

With Arpol NEO, inventory becomes hassle-free. Its comprehensive range covers all necessary pipe sizes, reducing the need for multiple different products and simplifying your stock requirements.
Known for its superior value, simplicity, and ease of use, Arpol NEO is the smart choice for professionals seeking reliability and excellence in their piping systems.
Connect with us today to learn more.

∅
40-1250 MM

Coupling range of 28mm.
Reduce and optimise your repair coupling inventory.

Coding of simplified references.
Easily identify the Arpol NEO+ you need.

Open. Close. Done.
Repair any pipe at any time, quickly and easily.

Return without any complications.
We will credit you the Arpol NEO 2.0 that you have not used or we will exchange it for another one.

Stock availability.
Fast delivery of references for standard pressures.

Individual technical advice.
Call us when in doubt and we will help you.

Variety of materials for Arpol NEO+:
AISI 304L
A242 coated

Easy to install

More resistant up to PN 16

Easy to inventory

∅
40-1250 MM

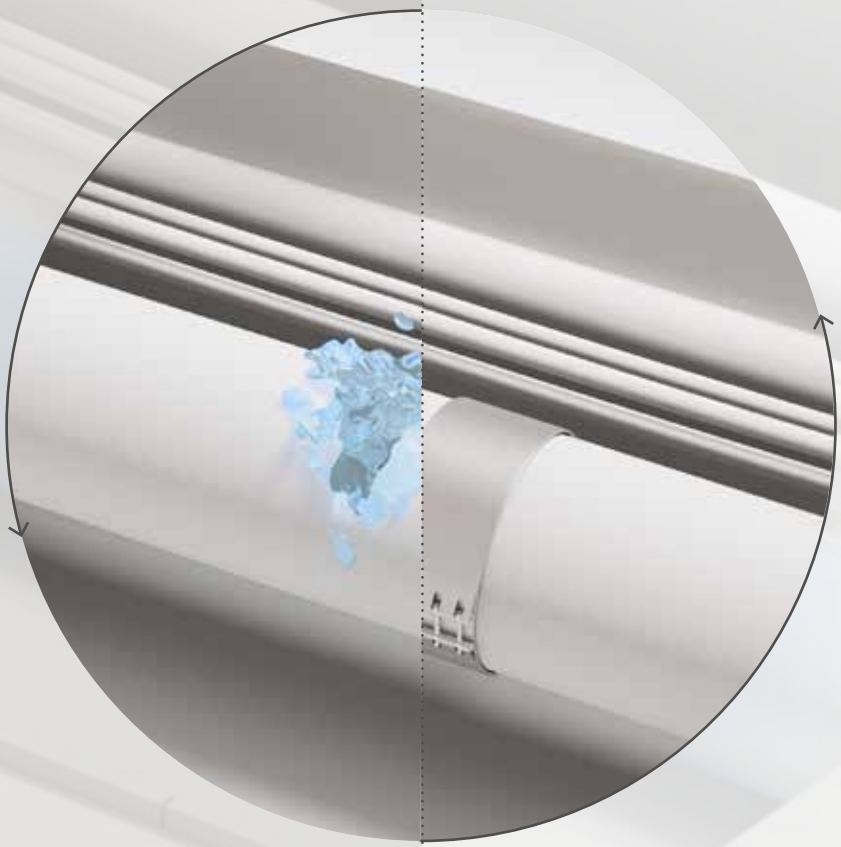
Optimize pipe connections and repairs with the efficiency of Arpol NEO

Pipes can suffer breaks or cracks due to accidental causes. In these situations, we work to provide the best solution whenever you need it, no matter what happens.

Accidental **pipe break**

Other pipe breaks situation

- Accidental breakage during excavation
- Wear-related breakage
- Corrosion-induced breakage
- Pressure-induced damage
- Weather-related issues (freezing)
- Ground movements
- Impact from tree roots



Quick & easy repair with **Arpol NEO**

Arpol NEO 2.0 and Arpol NEO+ provide us with agile, fast, and effective repairs. Furthermore, they are designed to last over time as they are resistant to pressures of up to 16 bar and corrosion.

Introducing the Arpol NEO

Arpol NEO 2.0 and Arpol NEO+ have been designed to ensure that pipe connection and repair are always efficient, thanks to our exclusive active sealing system. Below, we'll tell you all the details so you can find the coupling you need.

Open. Close. Done.

Arpol NEO 2.0
New generation

It withstands pressures of up to 16 bar, is flexible, easy to install, and easy to inventory. The perfect fit for any pipe between DN 40 and DN 400

Arpol NEO+
Think big

NEO+ is for those who want more. We've taken our most popular coupling and added + size, + range, + simplicity + availability, and so much more. Because our clients deserve + flexibility. NEO+ has been designed to go beyond the limits of the original NEO model while offering unparalleled accessibility.

Sealing explanation

Hydraulic sealing system

The technology of Arpol couplings is based on the active sealing system of the rubber gasket which allows the coupling to absorb imperfections and misalignments.

The active sealing system requires a lower torque rate than a conventional coupling that avoids to overload the pipe.

The system utilizes a pressurized gasket where the elevated pressure within the pipeline presses the rubber lip against the pipe, actively creating a seal.

Arpol NEO 2.0 | Ø
Product range

Variables	Available options
Sealing gasket	EPDM
Casing quality	W4
Coupling width	200 mm (L2)

Range		PN16	
		W4	PFA
			bar
47	55	NEO 47-55 PN16	27
54	62	NEO 54-62 PN16	27
63	71	NEO 63-71 PN16	27
72	84	NEO 72-84 PN16	27
82	95	NEO 82-95 PN16	27
93	110	NEO 93-110 PN16	27
109	126	NEO 109-126 PN16	27
125	142	NEO 125-142 PN16	22
141	158	NEO 141-158 PN16	19
155	172	NEO 155-172 PN16	28
168	185	NEO 168-185 PN16	26

Range		PN16	
		W4	PFA
			bar
186	208	NEO 186-208 PN16	23
206	228	NEO 206-228 PN16	21
229	251	NEO 229-251 PN16	18
248	270	NEO 248-270 PN16	17
265	287	NEO 265-287 PN16	22
286	308	NEO 286-308 PN16	20
309	331	NEO 309-331 PN16	19
330	352	NEO 330-352 PN16	17
350	372	NEO 350-372 PN16	21
373	395	NEO 373-395 PN16	19
395	417	NEO 395-417 PN16	18

Arpol NEO+ | Ø
Product range

Variables	Available options
Sealing gasket	EPDM
Casing quality	W4 / W1-A2
Coupling width	200 mm (L2) / 300 mm (L3)

		PN 6		PN10		PN16		PN16	
Range		W4	PFA bar	W4	PFA bar	W4	PFA bar	Casing W1 Bolts A2	PFA bar
397	425	NEO+ 400-425 PN6	9	NEO+ 400-425 PN10	10	NEO+ 400-425 PN16	19		
422	450	NEO+ 425-450 PN6	9	NEO+ 425-450 PN10	14	NEO+ 425-450 PN16	18		
447	475	NEO+ 450-475 PN6	9	NEO+ 450-475 PN10	12	NEO+ 450-475 PN16	17		
472	500	NEO+ 475-500 PN6	8	NEO+ 475-500 PN10	12	NEO+ 475-500 PN16	20		
497	525	NEO+ 500-525 PN6	7	NEO+ 500-525 PN10	11	NEO+ 500-525 PN16	19		
522	550	NEO+ 525-550 PN6	7	NEO+ 525-550 PN10	10	NEO+ 525-550 PN16	18		
547	575	NEO+ 550-575 PN6	7	NEO+ 550-575 PN10	10	NEO+ 550-575 PN16	17		
572	600	NEO+ 575-600 PN6	6	NEO+ 575-600 PN10	12	NEO+ 575-600 PN16	16		
597	625	NEO+ 600-625 PN6	6	NEO+ 600-625 PN10	12	NEO+ 600-625 PN16	21	NEO+ 600-625 PN16 CO	20
622	650	NEO+ 625-650 PN6	6	NEO+ 625-650 PN10	11	NEO+ 625-650 PN16	20	NEO+ 625-650 PN16 CO	20
647	675	NEO+ 650-675 PN6	6	NEO+ 650-675 PN10	10	NEO+ 650-675 PN16	19	NEO+ 650-675 PN16 CO	20
672	700	NEO+ 675-700 PN6	7	NEO+ 675-700 PN10	10	NEO+ 675-700 PN16	18	NEO+ 675-700 PN16 CO	20
697	725	NEO+ 700-725 PN6	7	NEO+ 700-725 PN10	10	NEO+ 700-725 PN16	18	NEO+ 700-725 PN16 CO	20

Ø
40-1250 MM

Arpol NEO+ | Ø
Product range

Variables	Available options
Sealing gasket	EPDM
Casing quality	W4 / W1-A2
Coupling width	200 mm (L2) / 300 mm (L3)

		PN 6		PN10		PN16		PN16	
Range		W4	PFA bar	W4	PFA bar	W4	PFA bar	Casing W1 Bolts A2	PFA bar
722	750	NEO+ 725-750 PN6	7	NEO+ 725-750 PN10	12	NEO+ 725-750 PN16	17	NEO+ 725-750 PN16 CO	20
747	775	NEO+ 750-775 PN6	6	NEO+ 750-775 PN10	11	NEO+ 750-775 PN16	21	NEO+ 750-775 PN16 CO	20
772	800	NEO+ 775-800 PN6	6	NEO+ 775-800 PN10	10	NEO+ 775-800 PN16	20	NEO+ 775-800 PN16 CO	20
797	825	NEO+ 800-825 PN6	6	NEO+ 800-825 PN10	10	NEO+ 800-825 PN16	20	NEO+ 800-825 PN16 CO	20
822	850	NEO+ 825-850 PN6	6	NEO+ 825-850 PN10	10	NEO+ 825-850 PN16	19	NEO+ 825-850 PN16 CO	20
847	875	NEO+ 850-875 PN6	6	NEO+ 850-875 PN10	14	NEO+ 850-875 PN16	18	NEO+ 850-875 PN16 CO	20
872	900	NEO+ 875-900 PN6	6	NEO+ 875-900 PN10	13	NEO+ 875-900 PN16	18	NEO+ 875-900 PN16 CO	20
897	925	NEO+ 900-925 PN6	9	NEO+ 900-925 PN10	13	NEO+ 900-925 PN16	17	NEO+ 900-925 PN16 CO	19
922	950	NEO+ 925-950 PN6	9	NEO+ 925-950 PN10	12	NEO+ 925-950 PN16	17	NEO+ 925-950 PN16 CO	18
947	975	NEO+ 950-975 PN6	8	NEO+ 950-975 PN10	12			NEO+ 950-975 PN16 CO	18
972	1000	NEO+ 975-1000 PN6	8	NEO+ 975-1000 PN10	12			NEO+ 975-1000 PN16 CO	17
997	1025	NEO+ 1000-1025 PN6	8	NEO+ 1000-1025 PN10	11			NEO+ 1000-1025 PN16 CO	22
1022	1050	NEO+ 1025-1050 PN6	7	NEO+ 1025-1050 PN10	11			NEO+ 1025-1050 PN16 CO	21

Ø
40-1250 MM

Arpol NEO+ | Ø
Product range

Variables	Available options
Sealing gasket	EPDM
Casing quality	W4 / W1-A2
Coupling width	200 mm (L2) / 300 mm (L3)

		PN 6		PN10		PN16		PN16	
Range		W4	PFA bar	W4	PFA bar	W4	PFA bar	Casing W1 Bolts A2	PFA bar
1047	1075	NEO+ 1050-1075 PN6	7	NEO+ 1050-1075 PN10	10			NEO+ 1050-1075 PN16 CO	20
1072	1100	NEO+ 1075-1100 PN6	7	NEO+ 1075-1100 PN10	10			NEO+ 1075-1100 PN16 CO	20
1097	1125	NEO+ 1100-1125 PN6	7	NEO+ 1100-1125 PN10	10			NEO+ 1100-1125 PN16 CO	19
1122	1150	NEO+ 1125-1150 PN6	7	NEO+ 1125-1150 PN10	10			NEO+ 1125-1150 PN16 CO	19
1147	1175	NEO+ 1150-1175 PN6	6	NEO+ 1150-1175 PN10	12			NEO+ 1150-1175 PN16 CO	18
1172	1200	NEO+ 1175-1200 PN6	6	NEO+ 1175-1200 PN10	12			NEO+ 1175-1200 PN16 CO	18
1197	1225	NEO+ 1200-1225 PN6	6	NEO+ 1200-1225 PN10	12			NEO+ 1200-1225 PN16 CO	18
1222	1250	NEO+ 1225-1250 PN6	6	NEO+ 1225-1250 PN10	12			NEO+ 1225-1250 PN16 CO	17

Please note:
In those cases where the OD of the pipe fits with two Arppol NEO+ references, we recommend choosing the one in which a safety margin of 2mm is respected, between the DE of the pipe and the minimum or maximum diameter of the range of the joint, so that the variations in diameter that the pipe may have can be absorbed.

We help you find your Arpol NEO coupling

Search by pipe material

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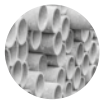
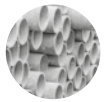
40-1250 MM

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*	Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																				
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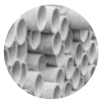
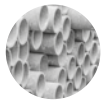
Below dimensions are in milimeters																				
NEO 45-55	40	48					40	48,3	40	51	40	50								
NEO 54-62	50	58	40	56	40	56	50	57	50	57	50	60								
							50	60,3	50	60,3										
NEO 63-71	50	66			50	66	50	60,3	50	63,5	50	63								
					50	68			50	70										
NEO 72-84	70	78	60	77	60	77	60	79	60/65	76,1	65	76,1	60	75			60AF	75-80	65	83
			65	82	65	82	65	81			80	82,5	60	76,1						
							65	82												
NEO 82-95	80	83			70	86	80	88,9	80	88,9	80	88,9					70 AF	85-92	65	85
NEO 93-110			80	98	80	95	100	108	90	101,6							80AD	97-102	80	98
					80	98			90	104							80AF	100-105	80	100
					90	107													80	104

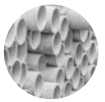
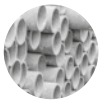
Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*	Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																				
	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE
Below dimensions are in milimeters																				
NEO 109-126	100	110	100	118	100	118	100	114,3	100	114,3	100	110	100	110			100 AD	116-112	100	118
					100	121					100	114,3	100	116					100	120
											100	125							100	124
NEO 125-142	125	135					125	129	125	139,7	125	140	125	125			100 EF	123-129	100	130
							125	133					125	139						
							125	139,7												
NEO 141-158			125	144	125	144	150	154	150	154							125 AC	143-147	125	145
					125	149											125 AD	148-153	125	149
																			125	153
NEO 155-172	150	160	150	170	150	170	150	159	150	159	150	160	150	160			125 EF	155-160	125	159
							150	168,3	150	168,3	150	168,3	150	162					150	172
NEO 168-185					150	177					175	180	150	168			150 AB	169-173	150	178
																	150 AD	173-177	150	182
																	150 D	177-181		

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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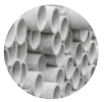
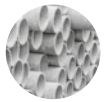
Below dimensions are in milimeters																						
NEO 186-208							175	197					200	200	200	200			150 EF	186-190	150	190
							175	204											175 AB	194-198		
																			175 C	202-206		
NEO 206-228	200	210	200	222	200	222	200	219,1	200	219,1	200	219,1	200	219					175 D	206-210	200	226
													225	225					175 EF	217-221		
																			200 AC	221-225		
NEO 229-251							200	232	250	244,5									200 D	231-235	200	234
							225	245											200 E	235-239	200	240
NEO 248-270							225	259	200	252			250	250	250	250			200 EF	248-252	200	252
NEO 265-287	250	274	250	274	250	274	250	267	250	273	250	273	250	250	250	250			250 AB	271-275	250	278
							250	285	250	273			275	280	250	272			250 C	279-283	250	286
NEO 286-308							275	296											250 D	286-290	250	296
																			250 E	292-296		
																			250 E	300-305		

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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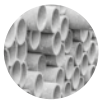
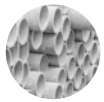
Below dimensions are in milimeters																						
NEO 309-331	300	326	300	326	300	324	300	323,9	300	323,9	300	315	300	310			250 EF	311-316	250	308		
					300	326					300	323,9	300	315			300 A	321-326				
													300	323			300 A	324-329				
																	300 AB	326-331				
NEO 330-352					300	345											300 C	330-335	300	334		
																	300 B	334-339	300	342		
																	300 D	339-334				
NEO 350-372									350	355,6	350	355,6	350	355	350	355	300 D	350-355	300	352		
															300	361	300 E	353-358	300	368		
																	300 EF	360-365				

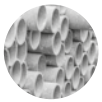
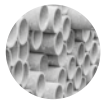
Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE
Below dimensions are in milimeters																						
NEO 373-395			350	378	350	378									350	376			350 A	373-378	350	388
					350	386													350 A	378-383		
																			350 AB	380-385		
																			350 B	388-393		
																			350 C	385-390		
NEO 395-417							375	398	400	406,4	400	406,4	400	400	400	400			350 D	395-400	350	400
							375	413					400	400,6	400	412			350 C	398-403	350	410
																			350 D	408-413		
																			350 E	411-416		

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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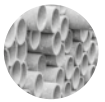
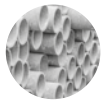
Below dimensions are in milimeters																						
NEO+ 400-425 *(397-425)*						375	398	400	406,4	400	406,4	400	400	400	400	350	415	350 C	398-403	350	400		
						375	413						400	406,4	400	412			350 D	408-413	350	410
																			350 E	411-416		
NEO+ 425-450 *(422-450)*	400	429	400	429	400	429								450	400	427,3	400	426	400 A	426-434	400	428
					400	439													400 AB	434-438	400	438
NEO+ 450-475 *(447-475)*							450	457,2	450	457,2	450	457,2	450	462	400	460	400 C	440-456	400	452		
																			400 D	452-457	400	470
NEO+ 475-500 *(472-500)*		450	450	480	450	480								478,2			400 E	470-482	400	488		
																	400 EF	480-486				
					450	492											400 F	494-498	450	492		
																	450 A	479-488	450	480		
																	450 AB	488-492				
																	450 B	494-498				

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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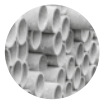
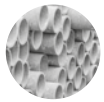
Below dimensions are in milimeters																						
NEO+ 500-525 *(497-525)*							500	508	500	508	500	508							450 C	494-512	450	512
NEO+ 525-550 *(522-550)*	500	532	500	532	500	532									500	530,1	450	530	450 D	508-528	450	532
					500	545													450 E	529-542	450	548
																			450 EF	540-546	500	534
																			500 A	538-542		
																			500 AB	543-547		
NEO+ 550-575 *(547-575)*									550	559			500	560					450 F	556-560	500	568
																			500 B	548-552		
NEO+ 575-600 *(572-600)*																	500	580	500 D	564-586	500	590
																			500 C	549-584		
NEO+ 600-625 *(597-625)*							550	598	600	609,6	600	609,6	600	609,6	600	617			500 E	580-602	500	608
																			500 EF	600-606		
																			500 F	618–622		

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*	Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																				
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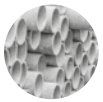
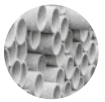
Below dimensions are in milimeters																				
NEO+ 625-650 *(622-650)*	600	635	600	635	600	635					600	630			500	634	600 A	640-646	600	640
NEO+ 650-675 *(647-675)*					600	650	650	660									600 AB	651-656	600	656
																	600 B	653-662		
NEO+ 675-700 *(672-700)*					650	703											600 C	659-682	600	676
																	600 D	677-700	600	700
NEO+ 700-725 *(697-725)*							700	711			700	710	700	719	600	690	600 E	705-722	600	720
NEO+ 725-750 *(722-750)*			700	738	675	729											600 E	720-726	700	746
					700	738											600 F	620-726		
																	700 A	746-750		
NEO+ 750-775 *(747-775)*							750	762							600	750	700 AB	760-765	700	766
																	700 B	768-772		
																	700 C	769-775		
NEO+ 775-800 *(772-800)*											800	800					700 D	790-796	700	790

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE–PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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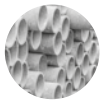
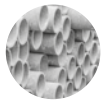
Below dimensions are in milimeters																						
NEO+ 800-825 *(797-825)*					750	807	800	813					800	821	700	800			700	816		
NEO+ 825-850 *(822-850)*			800	842	800	842											700 E	822-828	700	840		
																	700 F	840-846				
NEO+ 850-875 *(847-875)*					800	860	850	864									800 A	850-859				
					825	886											800 AB	868-874				
NEO+ 875-900 *(872-900)*																	800 B	878-882				
																	800 C	879-885				
NEO+ 900-925 *(897-925)*					850	912	900	914					900	900	900	924	800	915	800 D	903-909		
NEO+ 925-950 *(922-950)*			900	945	900	945											800	940	800 E	928-946		
NEO+ 950-975 *(947-975)*					900	964	950	965											800 F	960-966		
																			900 A	954-958		

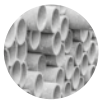
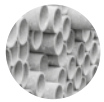
Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*	Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE – PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																				
	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE	DN	DE
Below dimensions are in milimeters																				
NEO+ 975-1000 *(972-1000)*															850	980	900 AB 900 B 900 C	978-984 988-992 989-995		
NEO+ 1000-1025 *(997-1025)*							1000	1016			1000	1000								
NEO+ 1025-1050 *(1022-1050)*			1000	1048	1000	1048							1000	1026	900	1030	900 D	1015-1044		
NEO+ 1050-1075 *(1047-1075)*					1000	1068	1050	1067							900	1060	900 E 1000 A	1057-1063 1058-1066		
NEO+ 1075-1100 *(1072-1100)*																	900 F 1000 AB	1080-1086 1086-1092		
NEO+ 1100-1125 *(1097-1125)*					1050	1121	1100	1118			1100	1100					1000 B 1000 C	1098-1102 1100-1106		
NEO+ 1125-1150 *(1122-1150)*													1100	1127	1000	1140	1000 D	1128-1134		

Arpol NEO | Ø

List of references by pipe material

Arpol NEO *(28mm range)*			Cast iron drain (EN 877)		Cast iron soil (EN 545)		Grey cast iron		Steel pipe		Stainless steel pipe		PE – PVC		GRP		Concrete pipe		Asbestos cement		Asbestos cement (DIN 19800)	
																						
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Below dimensions are in milimeters																						
NEO+ 1150-1175 *(1147-1175)*			1100	1154	1100	1172	1150	1168														
NEO+ 1175-1200 *(1172-1200)*																			1000 E	1174-1180		
NEO+ 200-1225 *(1197-1225)*									1200	1220			1200	1200					1000 F	1200-1206		
																			1100 AB	1195-1201		
																			1100 C	1210-1216		
NEO+ 1225-1250 *(1222-1250)*															1200	1229			1100 D	1241-1247		

Technical details Arpol NEO

Uniones Arpol S.A. manufactures flexible couplings for a wide range of external diameters and working pressures.
If you need a coupling not listed in this datasheet, please contact Arpol and you will receive a customised solution.

Designed according to BS 8561:2013 Specification for mechanical fittings and accessories to be used in the repair, connection and renewal of pressurised water supply pipework.

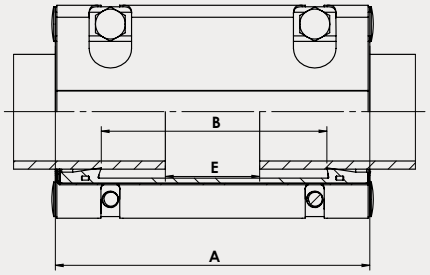
∅
40-1250 MM

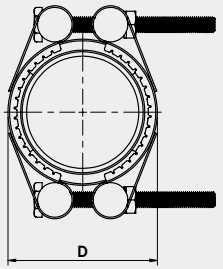
Arpol NEO 2.0

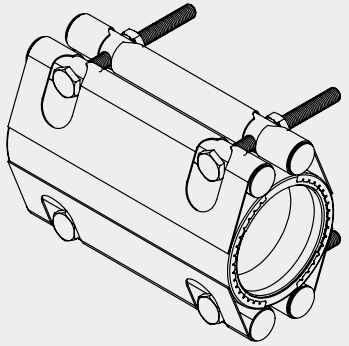
Arpol®
UNIONES ARPOL S.A.
+34 93 828 45 05
www.arpol.com
arpol@arpol.com
#arpolconnects

Arpol NEO 2.0 | Ø40 – 100 mm

W4 | L 200 mm







Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking wáter according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

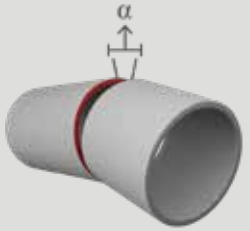
Quality W4		
	ASTM	**EN**
Casing	304L	1.4307
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

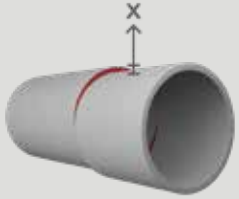
∅
40-1250 MM

Symbols

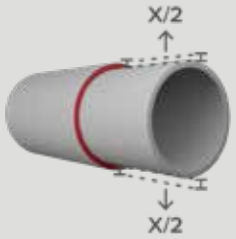
α Maximum angular deflection



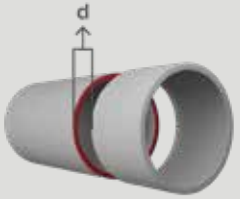
X Maximum misalignment



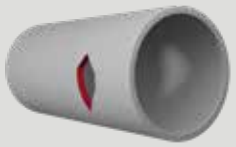
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



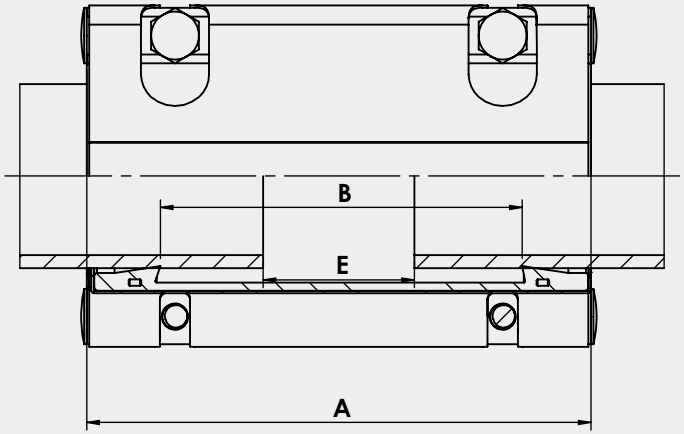
ARPOL NEO 2.0

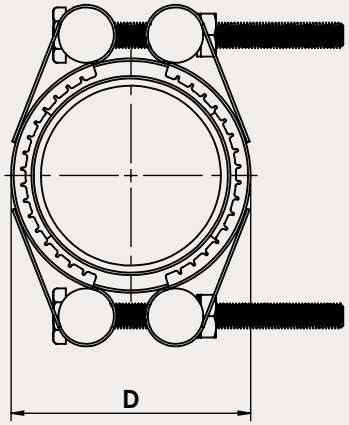
Ø40 – 400 mm PN 16 | W4 | L 200 mm

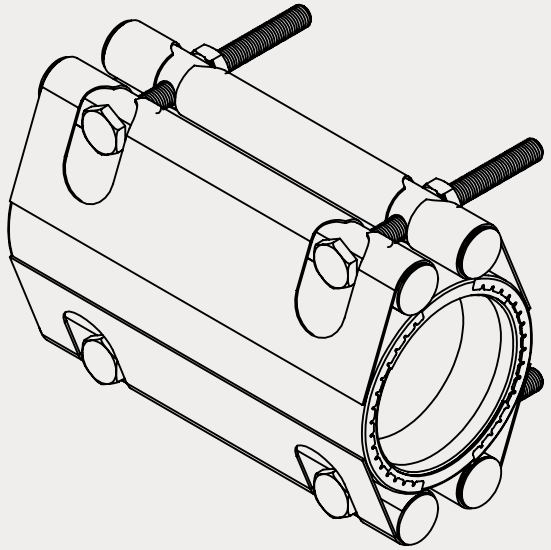
Variables	Available options
Sealing gasket	EPDM
Casing quality	W4
Coupling width	200 mm (L2)

Range	NEO 2.0 reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
47-55	NEO 47-55 PN16	27	31	41	2	2XM10	15	200	139	70,82	15	2	2	2	3	100
54-62	NEO 54-62 PN16	27	31	41	2	2XM10	17	200	139	77,82	15	2,1	2	2	3	100
63-71	NEO 63-71 PN16	27	31	41	2	2XM10	20	200	139	86,82	15	2,2	2	2	3	100
72-84	NEO 72-84 PN16	27	31	41	2	2XM10	20	200	139	99,82	15	2,4	2	2	3	100
82-95	NEO 82-95 PN16	27	31	41	2	2XM10	20	200	139	110,82	15	2,5	2	2	3	100
93-110	NEO 93-110 PN16	27	31	41	2	2XM10	20	200	139	129,4	15	2,8	2	2	3	100
109-126	NEO 109-126 PN16	27	31	41	2	2XM10	20	200	139	145,4	15	3	4	2	3	100

Technical drawing





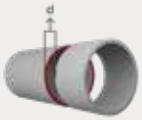


PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment

ΔØ Maximum diameter difference

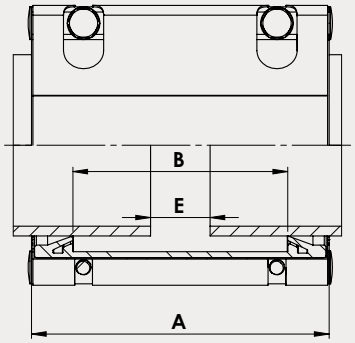


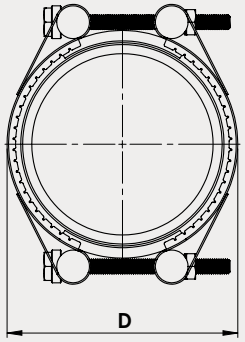
E Maximum gap width

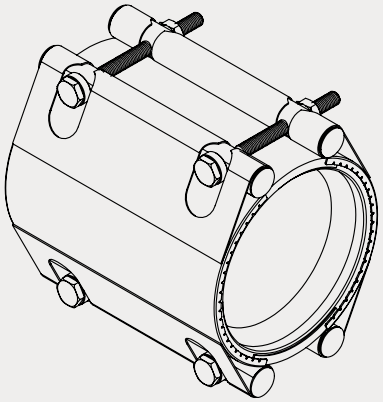
crack Maximum crack

Arpol NEO 2.0 | Ø100 – 250 mm

W4 | L 200 mm







Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking wáter according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

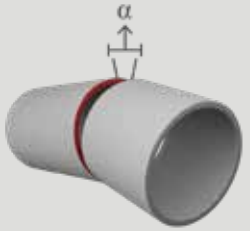
Quality W4		
	ASTM	**EN**
Casing	304L	1.4307
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

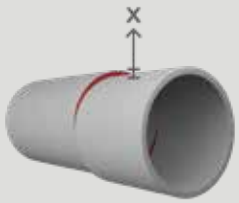
∅
40-1250 MM

Symbols

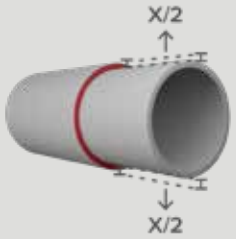
α Maximum angular deflection



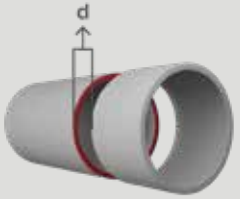
X Maximum misalignment



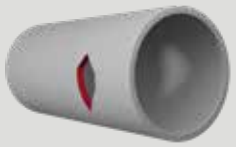
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



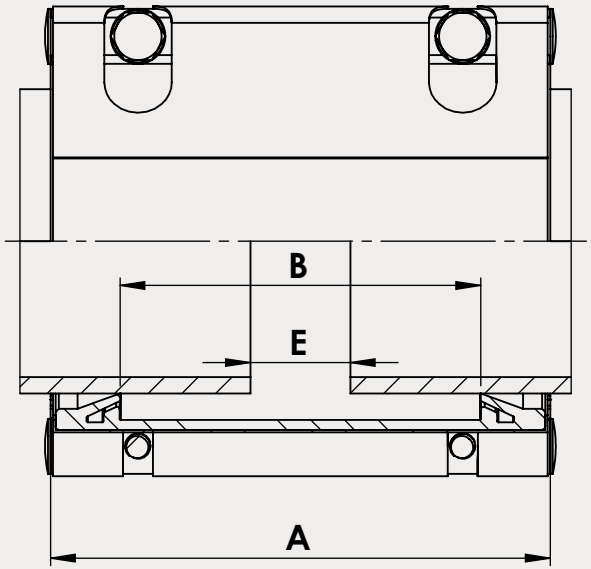
Arpol NEO 2.0

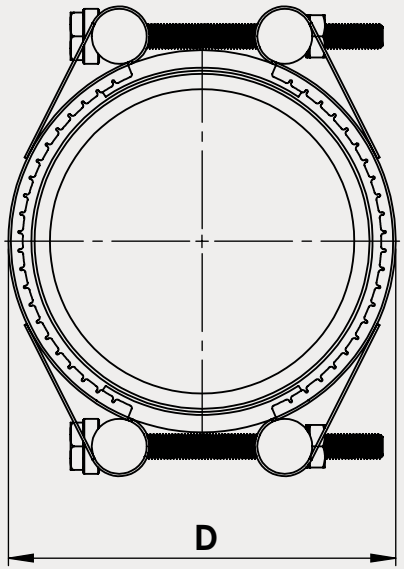
Ø40 – 400 mm PN 16 | W4 | L 200 mm

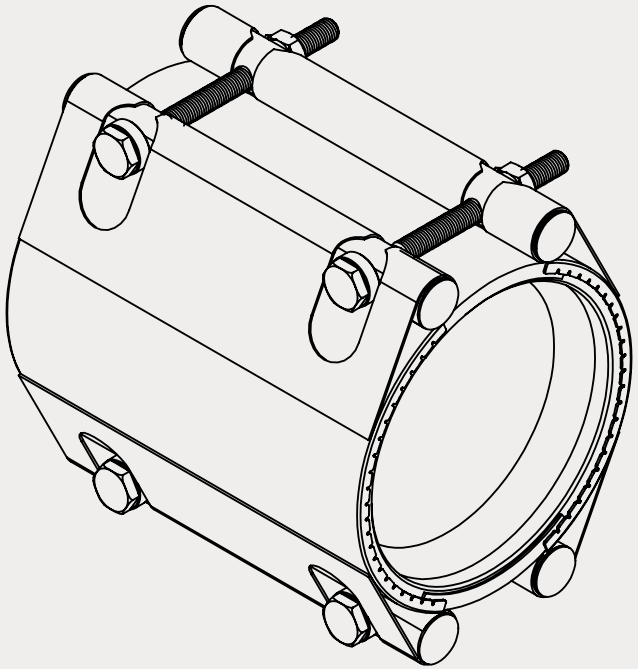
Variables	Available options
Sealing gasket	EPDM
Casing quality	W4
Coupling width	200 mm (L2)

Range	NEO 2.0 reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
125-142	NEO 125-142 PN16	22	25	33	2	2XM10		200	139	161,4	15	3,2	4	2	3	100
141-158	NEO 141-158 PN16	19	23	29	2	2XM10		200	139	177,4	15	3,4	4	2	3	100
155-172	NEO 155-172 PN16	28	31	42	2	2XM10		200	141	194	15	4,6	4	2	3	100
168-185	NEO 168-185 PN16	26	29	39	2	2XM10		200	141	230	15	4,8	4	2	3	100
188-208	NEO 186-208 PN16	23	26	34	2	2XM10		200	141	230	15	5,6	6	2	3	100
206-228	NEO 206-228 PN16	21	24	31	2	2XM10		200	141	250	15	5,9	6	2	3	100
229-251	NEO229-251 PN16	18	21	27	2	2XM10		200	141	273	15	8	6	2	3	100

Technical drawing





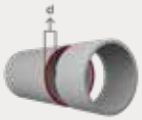


PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment

ΔØ Maximum diameter difference

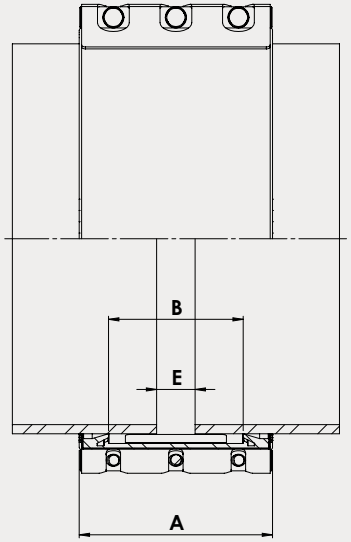


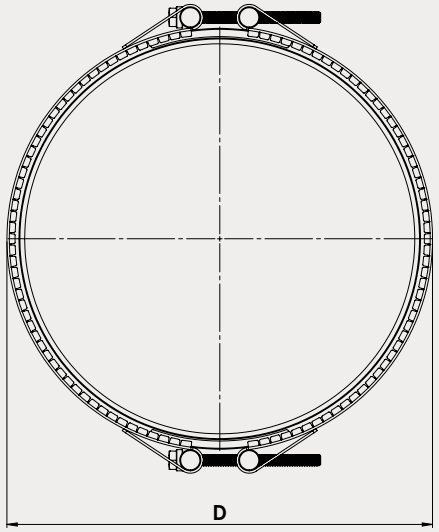
E Maximum gap width

crack Maximum crack

Arpol NEO 2.0 | Ø250 – 400 mm

W4 | L 200 mm





Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.
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Materials & Important information

Casing
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

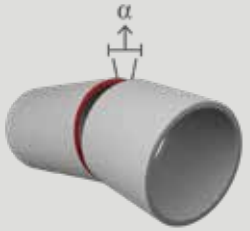
Quality W4		
	ASTM	**EN**
Casing	304L	1.4307
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

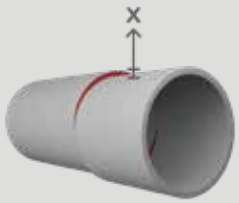
∅
40-1250 MM

Symbols

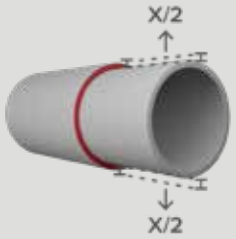
α Maximum angular deflection



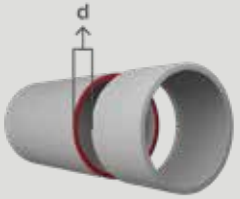
X Maximum misalignment



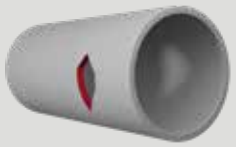
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



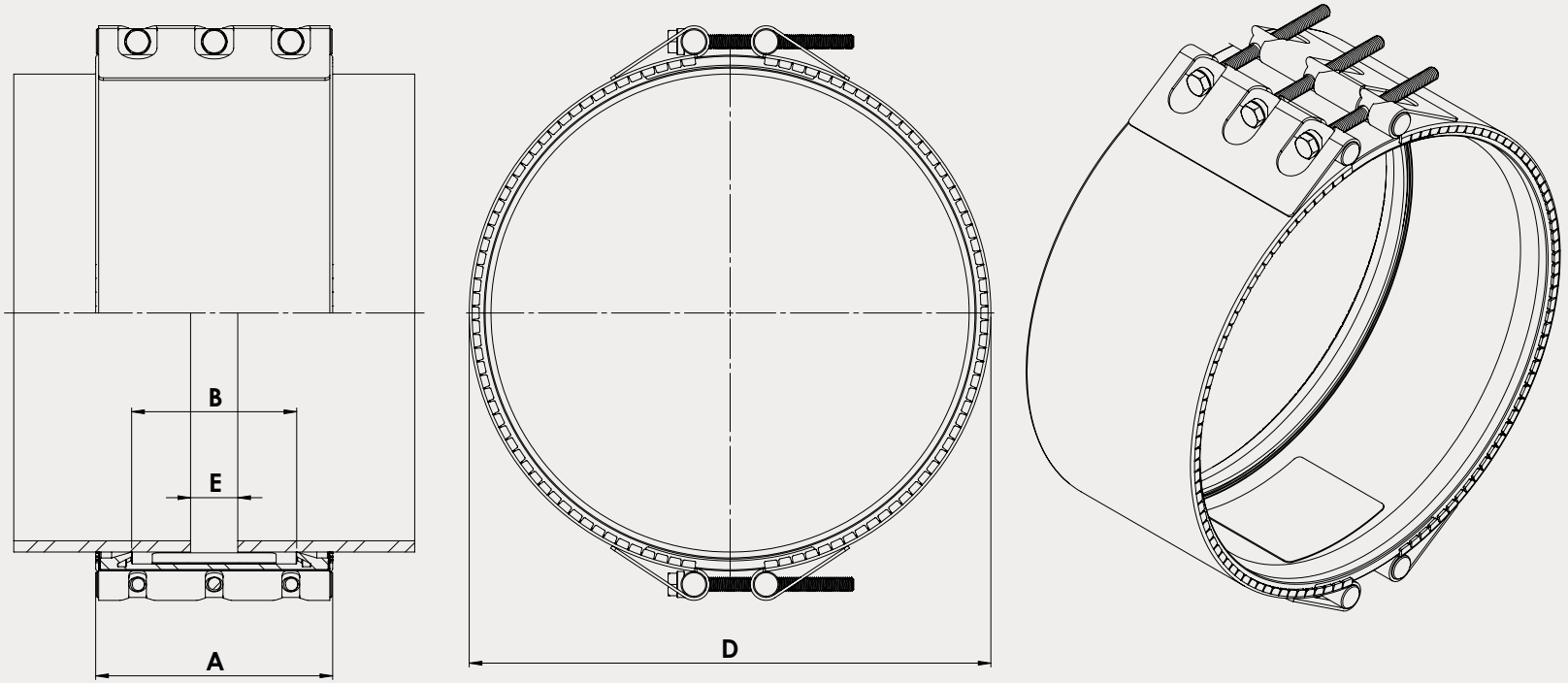
Arpol NEO 2.0

Ø40 – 400 mm PN 16 | W4 | L 200 mm

Variables	Available options
Sealing gasket	EPDM
Casing quality	W4
Coupling width	200 mm (L2)

Range	NEO 2.0 reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
248-270	NEO 248-270 PN16	17	20	25	2	2XM12	30	200	141	292	15	8,4	6	2	3	100
265-287	NEO 265-287 PN16	22	25	33	2	2XM12	30	200	141	309	15	9,6	6	2	3	100
286-308	NEO 286-308 PN16	20	23	30	2	2XM12	30	200	141	330	15	9,8	6	2	3	100
309-331	NEO 309-331 PN16	19	22	28	2	2XM12	40	200	141	353	15	10,2	6	2	3	100
330-352	NEO 330-352 PN16	17	21	26	2	2XM12	40	200	141	374	15	10,6	6	2	3	100
350-372	NEO 350-372 PN16	21	24	31	2	2XM12	40	200	141	394	15	12,4	6	2	3	100
373-395	NEO 373-395 PN16	19	23	29	2	2XM12	40	200	141	417	15	12,8	6	2	3	100
395-417	NEO 395-417 PN16	18	21	27	2	2XM12	40	200	141	439	15	13,2	6	2	3	100

Technical drawing

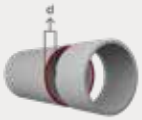


PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment

ΔØ Maximum diameter difference



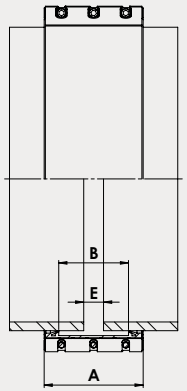
E Maximum gap width

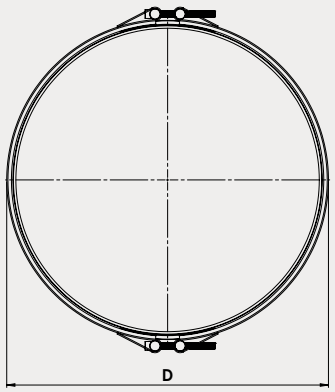
crack Maximum crack

Arpol NEO+

Arpol NEO+ | Ø400 – 1250 mm

W4 | L 200 mm





Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 6, PN 10, PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

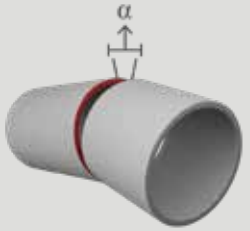
Quality W4		
	ASTM	**EN**
Casing	304L	1.4307
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

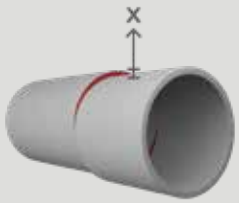
∅
40-1250 MM

Symbols

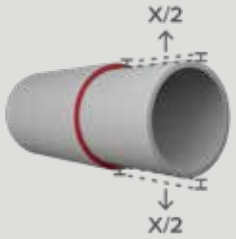
α Maximum angular deflection



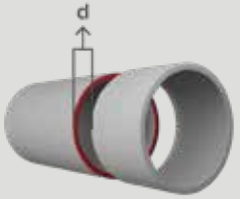
X Maximum misalignment



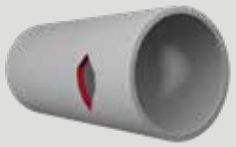
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



Arpol NEO+

Ø400 – 950 mm PN 6 | W4 | L 200 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN6 L2	9	12	14	2	3 x M12	30	199	142	448	15	10.48	6	3	5	100
422-450	NEO+ 425-450 PN6 L2	9	12	14	2	3 x M12	30	199	142	473	15	10.80	6	3	5	100
447-475	NEO+ 450-475 PN6 L2	9	11	14	2	3 x M12	30	199	142	498	15	11.12	6	3	5	100
472-500	NEO+ 475-500 PN6 L2	8	11	12	2	3 x M12	30	199	142	523	15	11.44	6	3	5	100
497-525	NEO+ 500-525 PN6 L2	7	10	11	2	3 x M12	35	199	142	548	15	11.77	6	3	5	100
522-550	NEO+ 525-550 PN6 L2	7	10	11	2	3 x M12	35	199	142	573	15	12.09	6	3	6	100
547-575	NEO+ 550-575 PN6 L2	7	9	11	2	3 x M12	35	199	142	598	15	12.41	6	3	6	100
572-600	NEO+ 575-600 PN6 L2	6	8	9	2	3 x M12	40	199	142	623	15	12.73	6	3	6	100
597-625	NEO+ 600-625 PN6 L2	6	8	9	2	3 x M12	40	199	142	648	15	13.05	6	3	6	100
622-650	NEO+ 625-650 PN6 L2	6	8	9	2	3 x M12	40	199	142	673	15	13.38	6	3	6	100
647-675	NEO+ 650-675 PN6 L2	6	8	9	2	3 x M12	45	199	142	698	15	13.70	6	3	6	100
672-700	NEO+ 675-700 PN6 L2	7	10	11	2	3 x M12	45	200	142	724	15	16.23	6	3	6	100
697-725	NEO+ 700-725 PN6 L2	7	10	11	2	3 x M12	45	200	142	749	15	16.62	6	3	6	100
722-750	NEO+ 725-750 PN6 L2	7	10	11	2	3 x M12	45	200	142	774	15	17.01	6	3	6	100
747-775	NEO+ 750-775 PN6 L2	6	9	10	2	3 x M12	50	200	142	799	15	17.40	6	3	6	100
772-800	NEO+ 775-800 PN6 L2	6	8	9	2	3 x M12	50	200	142	824	15	17.78	6	3	6	100
797-825	NEO+ 800-825 PN6 L2	6	8	9	2	3 x M12	50	200	142	849	15	18.17	6	3	6	100
822-850	NEO+ 825-850 PN6 L2	6	8	9	2	3 x M12	60	200	142	874	15	18.56	5	3	6	100
847-875	NEO+ 850-875 PN6 L2	6	8	9	2	3 x M12	60	200	142	899	15	18.95	5	3	6	100
872-900	NEO+ 875-900 PN6 L2	6	8	9	2	3 x M12	60	200	142	924	15	21.78	5	3	6	100
897-925	NEO+ 900-925 PN6 L2	9	12	14	2	3 x M16	80	202	142	951	15	27.84	5	3	6	100
922-950	NEO+ 925-950 PN6 L2	9	11	14	2	3 x M16	80	202	142	976	15	28.36	5	3	6	100

PN 6 L2

Arpol NEO+

Ø950 – 1250 mm PN 6 | W4 | L 200 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌭	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
947-975	NEO+ 950-975 PN6 L2	8	11	12	2	3 x M16	80	202	142	1001	15	28.88	5	3	6	100
972-1000	NEO+ 975-1000 PN6 L2	8	11	12	2	3 x M16	80	202	142	1026	15	29.41	4	3	6	100
997-1025	NEO+ 1000-1025 PN6 L2	8	11	12	2	3 x M16	90	202	142	1051	15	29.93	4	3	6	100
1022-1050	NEO+ 1025-1050 PN6 L2	7	10	11	2	3 x M16	90	202	142	1076	15	30.45	4	3	6	100
1047-1075	NEO+ 1050-1075 PN6 L2	7	10	11	2	3 x M16	90	202	142	1101	15	30.98	4	3	6	100
1072-1100	NEO+ 1075-1100 PN6 L2	7	10	11	2	3 x M16	90	202	142	1126	15	31.50	4	3	6	100
1097-1125	NEO+ 1100-1125 PN6 L2	7	10	11	2	3 x M16	90	202	142	1151	15	32.02	4	3	6	100
1122-1150	NEO+ 1125-1150 PN6 L2	7	9	11	2	3 x M16	100	202	142	1176	15	32.54	4	3	6	100
1147-1175	NEO+ 1150-1175 PN6 L2	6	8	9	2	3 x M16	100	202	142	1201	15	33.07	4	3	6	100
1172-1200	NEO+ 1175-1200 PN6 L2	6	8	9	2	3 x M16	100	202	142	1226	15	33.59	4	3	6	100
1197-1225	NEO+ 1200-1225 PN6 L2	6	8	9	2	3 x M16	100	202	142	1251	15	34.11	4	3	6	100
1222-1250	NEO+ 1225-1250 PN6 L2	6	8	9	2	3 x M16	100	202	142	1276	15	34.64	3	3	6	100

Arpol NEO+

Ø400 – 950 mm PN 10 | W4 | L 200 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN10 L2	10	13	15	2	3 x M12	30	199	142	448	15	10.48	6	3	5	100
422-450	NEO+ 425-450 PN10 L2	14	16	21	2	3 x M12	30	200	142	474	15	12.35	6	3	5	100
447-475	NEO+ 450-475 PN10 L2	12	15	19	2	3 x M12	30	200	142	499	15	12.73	6	3	5	100
472-500	NEO+ 475-500 PN10 L2	12	14	18	2	3 x M12	30	200	142	524	15	13.12	6	3	5	100
497-525	NEO+ 500-525 PN10 L2	11	14	17	2	3 x M12	35	200	142	549	15	13.51	6	3	5	100
522-550	NEO+ 525-550 PN10 L2	10	13	16	2	3 x M12	35	200	142	574	15	13.90	6	3	6	100
547-575	NEO+ 550-575 PN10 L2	10	13	15	2	3 x M12	35	201	142	600	15	16.17	6	3	6	100
572-600	NEO+ 575-600 PN10 L2	12	15	19	2	3 x M12	40	201	142	625	15	16.62	6	3	6	100
597-625	NEO+ 600-625 PN10 L2	12	14	18	2	3 x M12	40	201	142	650	15	17.08	6	3	6	100
622-650	NEO+ 625-650 PN10 L2	11	14	17	2	3 x M12	40	201	142	675	15	17.53	6	3	6	100
647-675	NEO+ 650-675 PN10 L2	10	13	16	2	3 x M12	45	201	142	700	15	17.99	6	3	6	100
672-700	NEO+ 675-700 PN10 L2	10	13	15	2	3 x M12	45	201	142	725	15	18.44	6	3	6	100
697-725	NEO+ 700-725 PN10 L2	10	12	15	2	3 x M12	45	201	142	750	15	24.59	6	3	6	100
722-750	NEO+ 725-750 PN10 L2	12	14	18	2	3 x M16	60	202	142	776	15	24.18	6	3	6	100
747-775	NEO+ 750-775 PN10 L2	11	14	17	2	3 x M16	70	202	142	801	15	24.70	6	3	6	100
772-800	NEO+ 775-800 PN10 L2	10	14	16	2	3 x M16	70	202	142	826	15	25.22	6	3	6	100
797-825	NEO+ 800-825 PN10 L2	10	13	16	2	3 x M16	70	202	142	851	15	25.75	6	3	6	100
822-850	NEO+ 825-850 PN10 L2	10	13	15	2	3 x M16	70	202	142	876	15	26.27	5	3	6	100
847-875	NEO+ 850-875 PN10 L2	14	16	21	2	3 x M16	70	204	142	903	15	32.67	5	3	6	100
872-900	NEO+ 875-900 PN10 L2	13	16	20	2	3 x M16	80	204	142	928	15	33.33	5	3	6	100
897-925	NEO+ 900-925 PN10 L2	13	16	20	2	3 x M16	80	204	142	953	15	33.99	5	3	6	100
922-950	NEO+ 925-950 PN10 L2	12	15	19	2	3 x M16	80	204	142	978	15	34.65	5	3	6	100

PN 10 L2

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40-1250 MM

Arpol NEO+

Ø950 – 1250 mm PN 10 | W4 | L 200 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌭	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
947-975	NEO+ 950-975 PN10 L2	12	15	18	2	3 x M16	80	204	142	1003	15	35.31	5	3	6	100
972-1000	NEO+ 975-1000 PN10 L2	12	14	18	2	3 x M16	80	204	142	1028	15	35.97	4	3	6	100
997-1025	NEO+ 1000-1025 PN10 L2	11	14	17	2	3 x M16	90	204	142	1053	15	36.63	4	3	6	100
1022-1050	NEO+ 1025-1050 PN10 L2	11	14	17	2	3 x M16	90	204	142	1078	15	37.29	4	3	6	100
1047-1075	NEO+ 1050-1075 PN10 L2	10	13	16	2	3 x M16	90	204	142	1103	15	37.96	4	3	6	100
1072-1100	NEO+ 1075-1100 PN10 L2	10	13	16	2	3 x M16	90	204	142	1128	15	38.62	4	3	6	100
1097-1125	NEO+ 1100-1125 PN10 L2	10	13	15	2	3 x M16	90	204	142	1153	15	39.28	4	3	6	100
1122-1150	NEO+ 1125-1150 PN10 L2	10	13	15	2	3 x M16	100	204	142	1178	15	39.94	4	3	6	100
1147-1175	NEO+ 1150-1175 PN10 L2	12	15	19	2	3 x M20	120	206	142	1205	15	52.47	4	3	6	100
1172-1200	NEO+ 1175-1200 PN10 L2	12	15	19	2	3 x M20	120	206	142	1230	15	53.27	4	3	6	100
1197-1225	NEO+ 1200-1225 PN10 L2	12	15	18	2	3 x M20	140	206	142	1255	15	54.08	4	3	6	100
1222-1250	NEO+ 1225-1250 PN10 L2	12	14	18	2	3 x M20	140	206	142	1280	15	54.88	3	3	6	100

Arpol NEO+

Ø400 – 950 mm PN 16 | W4 | L 200 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN16 L2	19	21	29	2	3 x M12	30	201	142	450	15	13.44	6	3	5	100
422-450	NEO+ 425-450 PN16 L2	18	20	27	2	3 x M12	30	201	142	475	15	13.89	6	3	5	100
447-475	NEO+ 450-475 PN16 L2	17	19	26	2	3 x M12	30	201	142	500	15	14.35	6	3	5	100
472-500	NEO+ 475-500 PN16 L2	20	22	30	2	3 x M12	30	202	142	526	15	18.21	6	3	5	100
497-525	NEO+ 500-525 PN16 L2	19	21	29	2	3 x M12	35	202	142	551	15	18.73	6	3	5	100
522-550	NEO+ 525-550 PN16 L2	18	20	27	2	3 x M16	45	202	142	576	15	19.99	6	3	6	100
547-575	NEO+ 550-575 PN16 L2	17	19	26	2	3 x M16	50	202	142	601	15	20.52	6	3	6	100
572-600	NEO+ 575-600 PN16 L2	16	18	24	2	3 x M16	50	204	142	628	15	25.39	6	3	6	100
597-625	NEO+ 600-625 PN16 L2	21	23	32	2	3 x M16	50	204	142	653	15	26.05	6	3	6	100
622-650	NEO+ 625-650 PN16 L2	20	22	30	2	3 x M16	60	204	142	678	15	26.71	6	3	6	100
647-675	NEO+ 650-675 PN16 L2	19	21	29	2	3 x M16	60	204	142	703	15	27.37	6	3	6	100
672-700	NEO+ 675-700 PN16 L2	18	21	28	2	3 x M16	60	204	142	728	15	28.04	6	3	6	100
697-725	NEO+ 700-725 PN16 L2	18	20	27	2	3 x M16	60	204	142	753	15	28.70	6	3	6	100
722-750	NEO+ 725-750 PN16 L2	17	19	26	2	3 x M16	60	204	142	778	15	29.36	6	3	6	100
747-775	NEO+ 750-775 PN16 L2	21	23	32	2	3 x M20	80	206	142	805	15	39.64	6	3	6	100
772-800	NEO+ 775-800 PN16 L2	20	23	31	2	3 x M20	80	206	142	830	15	40.44	6	3	6	100
797-825	NEO+ 800-825 PN16 L2	20	22	30	2	3 x M20	90	206	142	855	15	41.24	6	3	6	100
822-850	NEO+ 825-850 PN16 L2	19	21	29	2	3 x M20	90	206	142	880	15	42.04	5	3	6	100
847-875	NEO+ 850-875 PN16 L2	18	21	27	2	3 x M20	90	206	142	905	15	42.85	5	3	6	100
872-900	NEO+ 875-900 PN16 L2	18	20	27	2	3 x M20	90	206	142	930	15	43.65	5	3	6	100
897-925	NEO+ 900-925 PN16 L2	17	19	26	2	3 x M20	100	206	142	955	15	44.45	5	3	6	100
922-950	NEO+ 925-950 PN16 L2	17	19	26	2	3 x M20	100	206	142	980	15	45.25	5	3	6	100

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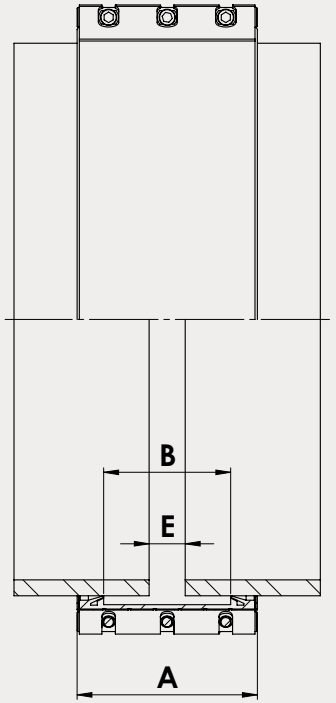
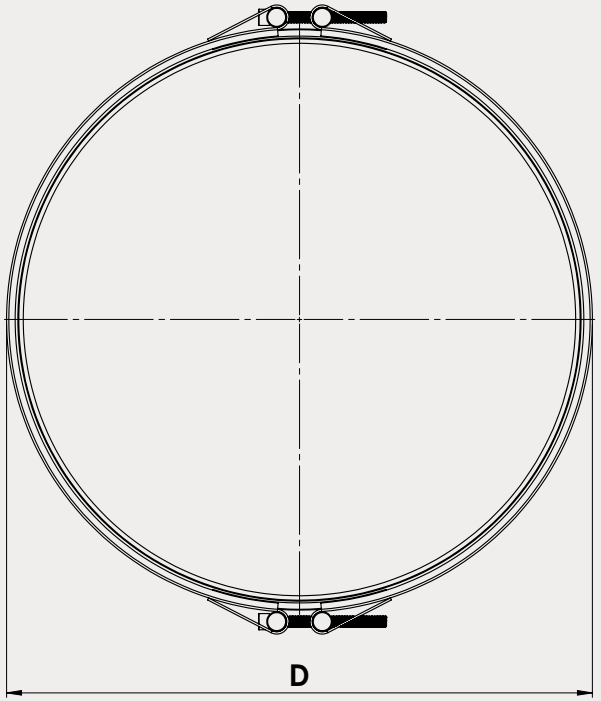
PN 16 L2

Technical drawing





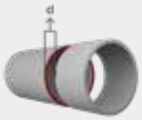
PN 16 L2

PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment

ΔØ Maximum diameter difference

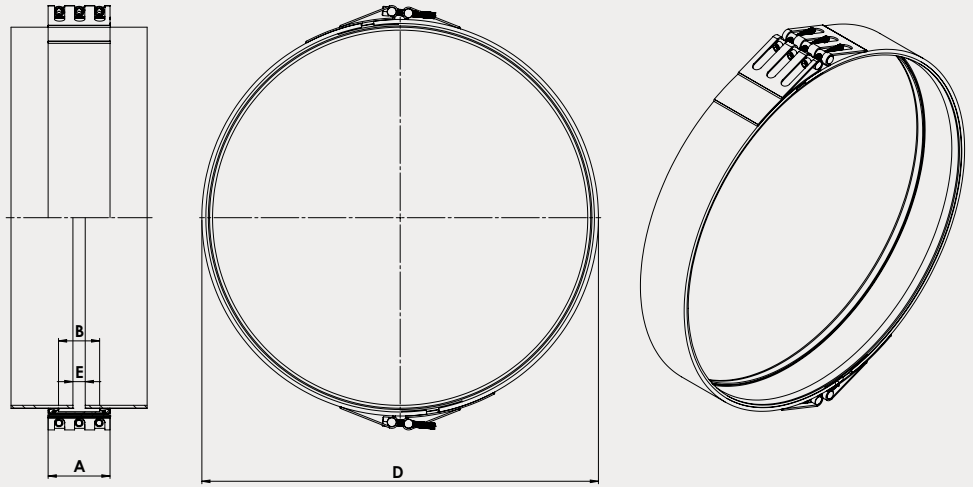


E Maximum gap width

crack Maximum crack

Arpol NEO+ | Ø600 – 1250 mm

W1/A2 | L 200 mm | CO



Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Carbon steel EN 10025-5; S355J2WP (1.8946)
High performance polymer coated Plascoat PPA 571 EN

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

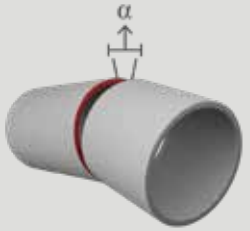
Quality W4		
	ASTM	**EN**
Casing	A 242	1.8946
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

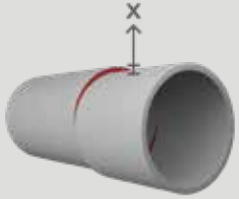
∅
40-1250 MM

Symbols

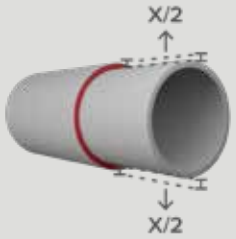
α Maximum angular deflection



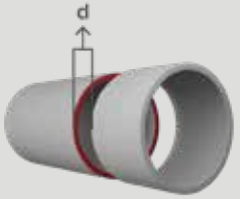
X Maximum misalignment



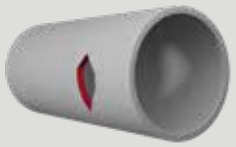
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



Arpol NEO+

Ø600 – 950 mm PN 16 | W1/A2 | L 200 mm | CO

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
597-625	NEO+ 600-625 PN16 L2 CO	20	23	31	2	3 x M20	70	204	142	653	15	28.43	6	3	6	100
622-650	NEO+ 625-650 PN16 L2 CO	20	23	31	2	3 x M20	70	204	142	678	15	29.09	6	3	6	100
647-675	NEO+ 650-675 PN16 L2 CO	20	23	31	2	3 x M20	70	204	142	703	15	29.76	6	3	6	100
672-700	NEO+ 675-700 PN16 L2 CO	20	23	31	2	3 x M20	70	204	142	728	15	30.42	6	3	6	100
697-725	NEO+ 700-725 PN16 L2 CO	20	23	31	2	3 x M20	80	204	142	753	15	31.08	6	3	6	100
722-750	NEO+ 725-750 PN16 L2 CO	20	23	31	2	3 x M20	80	204	142	778	15	31.74	6	3	6	100
747-775	NEO+ 750-775 PN16 L2 CO	20	23	31	2	3 x M20	80	204	142	803	15	32.40	6	3	6	100
772-800	NEO+ 775-800 PN16 L2 CO	20	23	31	2	3 x M20	80	204	142	828	15	33.06	6	3	6	100
797-825	NEO+ 800-825 PN16 L2 CO	20	23	31	2	3 x M20	90	204	142	853	15	33.72	6	3	6	100
822-850	NEO+ 825-850 PN16 L2 CO	20	23	31	2	3 x M20	90	204	142	878	15	34.39	5	3	6	100
847-875	NEO+ 850-875 PN16 L2 CO	20	23	30	2	3 x M20	90	204	142	903	15	35.05	5	3	6	100
872-900	NEO+ 875-900 PN16 L2 CO	20	22	30	2	3 x M20	90	204	142	928	15	35.71	5	3	6	100
897-925	NEO+ 900-925 PN16 L2 CO	19	21	29	2	3 x M20	100	204	142	953	15	36.37	5	3	6	100
922-950	NEO+ 925-950 PN16 L2 CO	18	21	27	2	3 x M20	100	204	142	978	15	37.03	5	3	6	100
947-975	NEO+ 950-975 PN16 L2 CO	18	20	27	2	3 x M20	100	204	142	1003	15	37.69	5	3	6	100
972-1000	NEO+ 975-1000 PN16 L2 CO	17	20	26	2	3 x M20	100	204	142	1028	15	38.35	4	3	6	100
997-1025	NEO+ 1000-1025 PN16 L2 CO	22	24	33	2	3 x M20	120	206	142	1055	15	47.66	4	3	6	100
1022-1050	NEO+ 1025-1050 PN16 L2 CO	21	23	32	2	3 x M20	120	206	142	1080	15	48.46	4	3	6	100
1047-1075	NEO+ 1050-1075 PN16 L2 CO	20	23	31	2	3 x M20	120	206	142	1105	15	49.26	4	3	6	100
1072-1100	NEO+ 1075-1100 PN16 L2 CO	20	22	30	2	3 x M20	120	206	142	1130	15	50.07	4	3	6	100
1097-1125	NEO+ 1100-1125 PN16 L2 CO	19	22	29	2	3 x M20	120	206	142	1155	15	50.87	4	3	6	100
1122-1150	NEO+ 1125-1150 PN16 L2 CO	19	21	29	2	3 x M20	120	206	142	1180	15	51.67	4	3	6	100

PN 16 L2

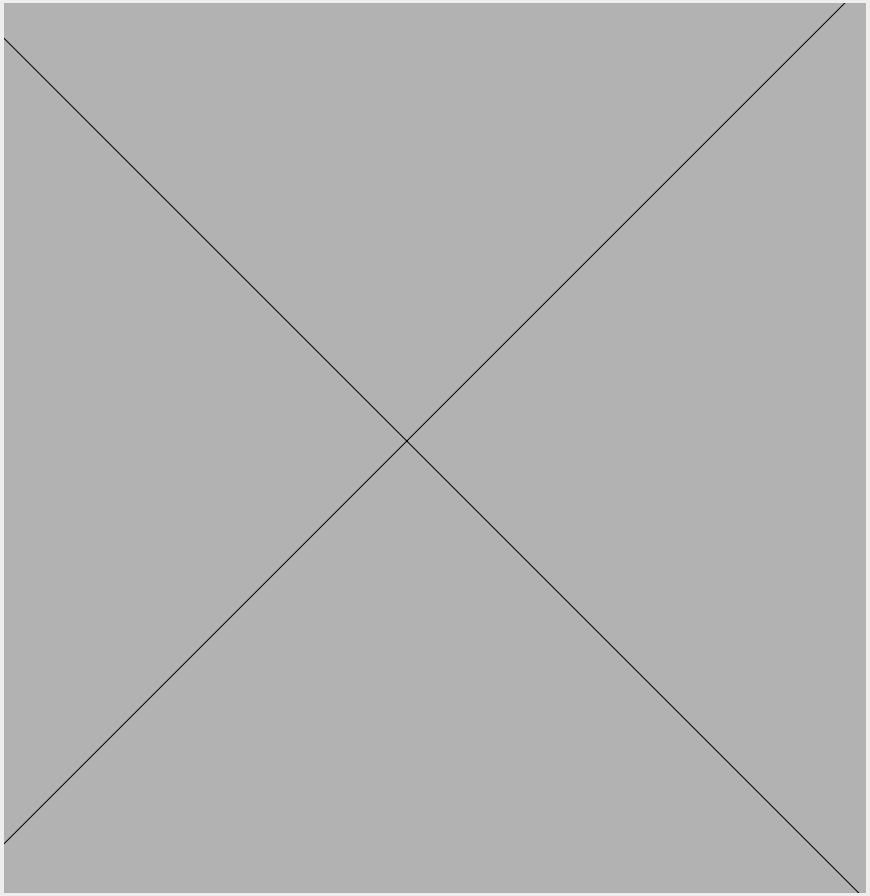
Arpol NEO+

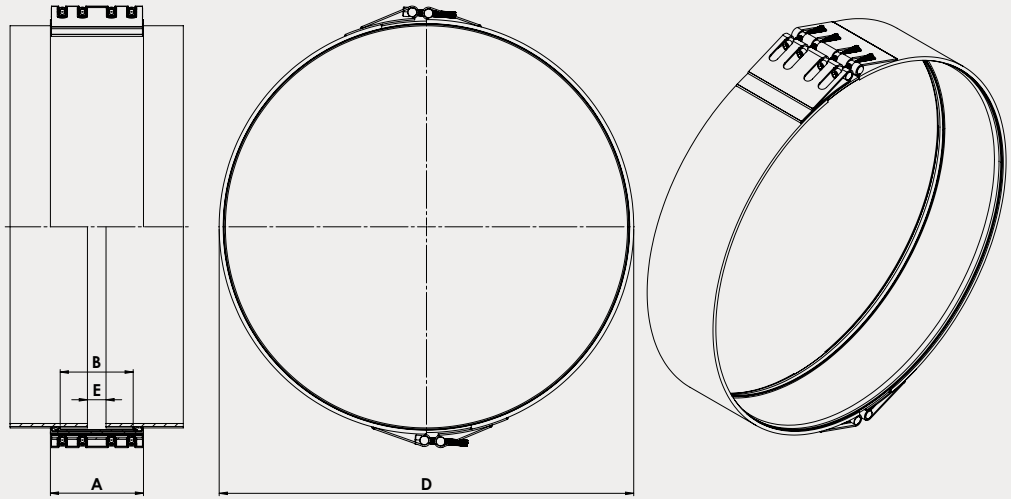
Ø950 – 1250 mm PN 16 | W1/A2 | L 200 mm | CO

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌭	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
1147-1175	NEO+ 1150-1175 PN16 L2 CO	18	21	28	2	3 x M20	120	206	142	1205	15	52.47	4	3	6	100
1172-1200	NEO+ 1175-1200 PN16 L2 CO	18	21	27	2	3 x M20	120	206	142	1230	15	53.27	4	3	6	100
1197-1225	NEO+ 1200-1225 PN16 L2 CO	18	20	27	2	3 x M20	140	206	142	1255	15	54.08	4	3	6	100
1222-1250	NEO+ 1225-1250 PN16 L2 CO	17	20	26	2	3 x M20	140	206	142	1280	15	54.88	3	3	6	100

Arpol NEO+ | Ø400 – 1250 mm

W4 | L 300 mm





Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 6, PN 10, PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

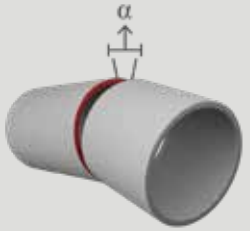
Quality W4		
	ASTM	**EN**
Casing	304L	1.4307
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket	100 -20 °C	

NSF/ANSI/CAN 61 & 372

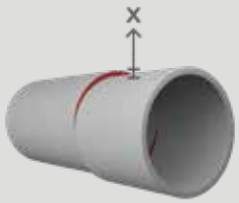
∅
40-1250 MM

Symbols

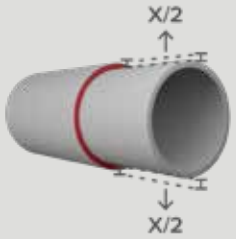
α Maximum angular deflection



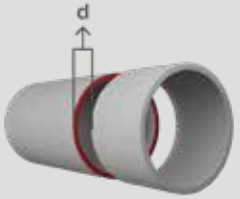
X Maximum misalignment



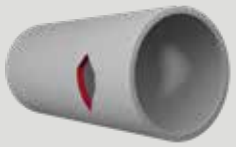
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



Arpol NEO+

Ø400 – 950 mm PN 6 | W4 | L 300 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN6 L3	9	12	14	2	4 x M12	25	294	230	448	15	15.35	6	3	5	190
422-450	NEO+ 425-450 PN6 L3	9	12	14	2	4 x M12	25	294	230	473	15	15.82	6	3	5	190
447-475	NEO+ 450-475 PN6 L3	9	11	14	2	4 x M12	30	294	230	498	15	16.29	6	3	5	190
472-500	NEO+ 475-500 PN6 L3	8	11	12	2	4 x M12	30	294	230	523	15	16.76	6	3	5	190
497-525	NEO+ 500-525 PN6 L3	7	10	11	2	4 x M12	30	294	230	548	15	17.24	6	3	5	190
522-550	NEO+ 525-550 PN6 L3	7	10	11	2	4 x M12	30	294	230	573	15	17.71	6	3	6	190
547-575	NEO+ 550-575 PN6 L3	7	9	11	2	4 x M12	35	294	230	598	15	18.18	6	3	6	190
572-600	NEO+ 575-600 PN6 L3	6	8	9	2	4 x M12	35	295	230	624	15	21.50	6	3	6	190
597-625	NEO+ 600-625 PN6 L3	6	8	9	2	4 x M12	35	294	230	648	15	19.12	6	3	6	190
622-650	NEO+ 625-650 PN6 L3	6	8	9	2	4 x M12	40	294	230	673	15	19.59	6	3	6	190
647-675	NEO+ 650-675 PN6 L3	6	8	9	2	4 x M12	40	294	230	698	15	20.07	6	3	6	190
672-700	NEO+ 675-700 PN6 L3	7	10	11	2	4 x M12	40	295	230	724	15	23.77	6	3	6	190
697-725	NEO+ 700-725 PN6 L3	7	10	11	2	4 x M12	40	295	230	749	15	24.34	6	3	6	190
722-750	NEO+ 725-750 PN6 L3	7	10	11	2	4 x M12	45	295	230	774	15	24.91	6	3	6	190
747-775	NEO+ 750-775 PN6 L3	6	9	10	2	4 x M12	45	295	230	799	15	25.48	6	3	6	190
772-800	NEO+ 775-800 PN6 L3	6	8	9	2	4 x M12	45	295	230	824	15	26.05	6	3	6	190
797-825	NEO+ 800-825 PN6 L3	6	8	9	2	4 x M12	45	295	230	849	15	26.61	6	3	6	190
822-850	NEO+ 825-850 PN6 L3	6	8	9	2	4 x M12	50	295	230	874	15	27.18	6	3	6	190
847-875	NEO+ 850-875 PN6 L3	6	8	9	2	4 x M12	50	295	230	899	15	27.75	6	3	6	190
872-900	NEO+ 875-900 PN6 L3	6	8	9	2	4 x M12	50	295	230	924	15	28.32	6	3	6	190
897-925	NEO+ 900-925 PN6 L3	9	12	14	2	4 x M16	70	297	230	951	15	40.32	6	3	6	190

Arpol NEO+

Ø950 – 1250 mm PN 6 | W4 | L 300 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
922-950	NEO+ 925-950 PN6 L3	9	11	14	2	4 x M16	70	297	230	976	15	41.08	6	3	6	190
947-975	NEO+ 950-975 PN6 L3	8	11	12	2	4 x M16	80	297	230	1001	15	41.85	6	3	6	190
972-1000	NEO+ 975-1000 PN6 L3	8	11	12	2	4 x M16	80	297	230	1026	15	42.61	6	3	6	190
997-1025	NEO+ 1000-1025 PN6 L3	8	11	12	2	4 x M16	80	297	230	1051	15	43.37	6	3	6	190
1022-1050	NEO+ 1025-1050 PN6 L3	7	10	11	2	4 x M16	80	297	230	1076	15	44.13	5	3	6	190
1047-1075	NEO+ 1050-1075 PN6 L3	7	10	11	2	4 x M16	80	297	230	1101	15	44.90	5	3	6	190
1072-1100	NEO+ 1075-1100 PN6 L3	7	10	11	2	4 x M16	80	297	230	1126	15	45.66	5	3	6	190
1097-1125	NEO+ 1100-1125 PN6 L3	7	10	11	2	4 x M16	90	297	230	1151	15	46.42	5	3	6	190
1122-1150	NEO+ 1125-1150 PN6 L3	7	9	11	2	4 x M16	90	297	230	1176	15	47.18	5	3	6	190
1147-1175	NEO+ 1150-1175 PN6 L3	6	8	9	2	4 x M16	90	297	230	1201	15	47.95	5	3	6	190
1172-1200	NEO+ 1175-1200 PN6 L3	6	8	9	2	4 x M16	90	299	230	1228	15	60.06	5	3	6	190
1197-1225	NEO+ 1200-1225 PN6 L3	6	8	9	2	4 x M16	90	297	230	1251	15	49.48	5	3	6	190
1222-1250	NEO+ 1225-1250 PN6 L3	6	8	9	2	4 x M16	100	297	230	1276	15	50.24	4	3	6	190

Arpol NEO+

Ø400 – 950 mm PN 10 | W4 | L 300 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN10 L3	10	13	15	2	4 x M12	25	294	230	448	15	15.35	6	3	5	190
422-450	NEO+ 425-450 PN10 L3	14	16	21	2	4 x M12	25	295	230	474	15	18.08	6	3	5	190
447-475	NEO+ 450-475 PN10 L3	12	15	19	2	4 x M12	30	295	230	499	15	18.65	6	3	5	190
472-500	NEO+ 475-500 PN10 L3	12	14	18	2	4 x M12	30	295	230	524	15	19.22	6	3	5	190
497-525	NEO+ 500-525 PN10 L3	11	14	17	2	4 x M12	30	295	230	549	15	19.79	6	3	5	190
522-550	NEO+ 525-550 PN10 L3	10	13	16	2	4 x M12	30	295	230	574	15	20.36	6	3	6	190
547-575	NEO+ 550-575 PN10 L3	10	13	15	2	4 x M12	35	295	230	599	15	20.93	6	3	6	190
572-600	NEO+ 575-600 PN10 L3	12	15	19	2	4 x M12	35	296	230	625	15	24.31	6	3	6	190
597-625	NEO+ 600-625 PN10 L3	12	14	18	2	4 x M12	35	296	230	650	15	24.98	6	3	6	190
622-650	NEO+ 625-650 PN10 L3	11	14	17	2	4 x M12	40	296	230	675	15	25.64	6	3	6	190
647-675	NEO+ 650-675 PN10 L3	10	13	16	2	4 x M12	40	296	230	700	15	26.31	6	3	6	190
672-700	NEO+ 675-700 PN10 L3	10	13	15	2	4 x M12	40	296	230	725	15	26.97	6	3	6	190
697-725	NEO+ 700-725 PN10 L3	10	12	15	2	4 x M12	40	296	230	750	15	27.64	6	3	6	190
722-750	NEO+ 725-750 PN10 L3	12	14	18	2	4 x M16	60	297	230	776	15	34.98	6	3	6	190
747-775	NEO+ 750-775 PN10 L3	11	14	17	2	4 x M16	60	297	230	801	15	35.74	6	3	6	190
772-800	NEO+ 775-800 PN10 L3	10	14	16	2	4 x M16	60	297	230	826	15	36.50	6	3	6	190
797-825	NEO+ 800-825 PN10 L3	10	13	16	2	4 x M16	60	297	230	851	15	37.27	6	3	6	190
822-850	NEO+ 825-850 PN10 L3	10	13	15	2	4 x M16	70	297	230	876	15	38.03	6	3	6	190
847-875	NEO+ 850-875 PN10 L3	14	16	21	2	4 x M16	70	299	230	903	15	47.60	6	3	6	190
872-900	NEO+ 875-900 PN10 L3	13	16	20	2	4 x M16	70	299	230	928	15	48.56	6	3	6	190
897-925	NEO+ 900-925 PN10 L3	13	16	20	2	4 x M16	70	299	230	953	15	49.52	6	3	6	190

PN 10 L3

Arpol NEO+

Ø950 – 1250 mm PN 10 | W4 | L 300 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
922-950	NEO+ 925-950 PN10 L3	12	15	19	2	4 x M16	70	299	230	978	15	50.48	6	3	6	190
947-975	NEO+ 950-975 PN10 L3	12	15	18	2	4 x M16	80	299	230	1003	15	51.44	6	3	6	190
972-1000	NEO+ 975-1000 PN10 L3	12	14	18	2	4 x M16	80	299	230	1028	15	52.39	6	3	6	190
997-1025	NEO+ 1000-1025 PN10 L3	11	14	17	2	4 x M16	80	299	230	1053	15	53.35	6	3	6	190
1022-1050	NEO+ 1025-1050 PN10 L3	11	14	17	2	4 x M16	80	299	230	1078	15	54.31	5	3	6	190
1047-1075	NEO+ 1050-1075 PN10 L3	10	13	16	2	4 x M16	80	299	230	1103	15	55.27	5	3	6	190
1072-1100	NEO+ 1075-1100 PN10 L3	10	13	16	2	4 x M20	100	301	230	1130	15	71.09	5	3	6	190
1097-1125	NEO+ 1100-1125 PN10 L3	10	13	15	2	4 x M20	120	301	230	1155	15	72.25	5	3	6	190
1122-1150	NEO+ 1125-1150 PN10 L3	10	13	15	2	4 x M20	120	301	230	1180	15	73.41	5	3	6	190
1147-1175	NEO+ 1150-1175 PN10 L3	12	15	19	2	4 x M20	120	301	230	1205	15	74.57	5	3	6	190
1172-1200	NEO+ 1175-1200 PN10 L3	12	15	19	2	4 x M20	120	301	230	1230	15	75.72	5	3	6	190
1197-1225	NEO+ 1200-1225 PN10 L3	12	15	18	2	4 x M20	120	301	230	1255	15	76.88	5	3	6	190
1222-1250	NEO+ 1225-1250 PN10 L3	12	14	18	2	4 x M20	120	301	230	1280	15	78.04	4	3	6	190

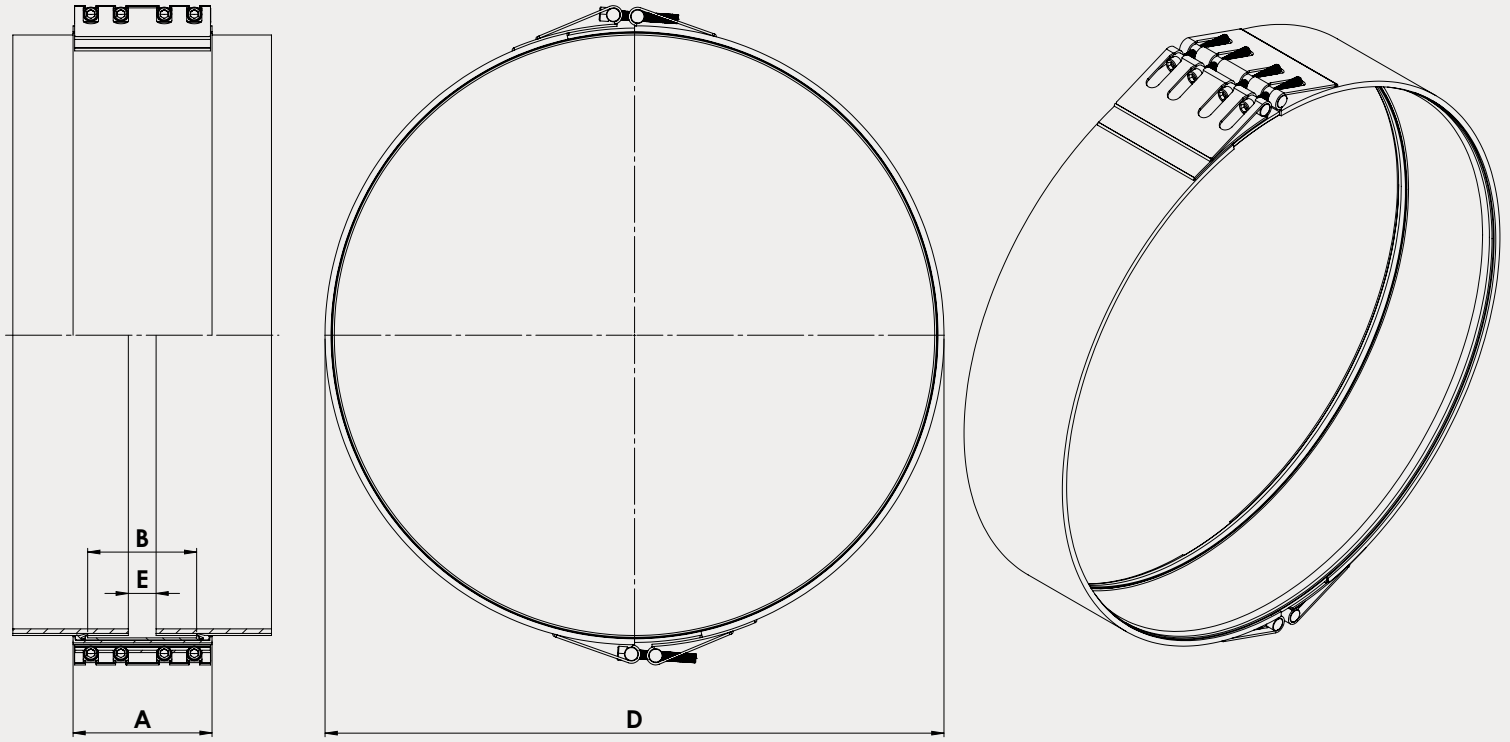
Arpol NEO+

Ø400 – 950 mm PN 16 | W4 | L 300 mm

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌀	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
397-425	NEO+ 400-425 PN16 L3	19	21	29	2	4 x M12	25	296	230	450	15	19.66	6	3	5	190
422-450	NEO+ 425-450 PN16 L3	18	20	27	2	4 x M12	25	296	230	475	15	20.32	6	3	5	190
447-475	NEO+ 450-475 PN16 L3	17	19	26	2	4 x M12	30	296	230	500	15	20.99	6	3	5	190
472-500	NEO+ 475-500 PN16 L3	20	22	30	2	4 x M16	40	297	230	526	15	27.35	6	3	5	190
497-525	NEO+ 500-525 PN16 L3	19	21	29	2	4 x M16	40	297	230	551	15	28.11	6	3	5	190
522-550	NEO+ 525-550 PN16 L3	18	20	27	2	4 x M16	40	297	230	576	15	28.87	6	3	6	190
547-575	NEO+ 550-575 PN16 L3	17	19	26	2	4 x M16	45	297	230	601	15	29.64	6	3	6	190
572-600	NEO+ 575-600 PN16 L3	16	18	24	2	4 x M16	45	299	230	628	15	37.06	6	3	6	190
597-625	NEO+ 600-625 PN16 L3	21	23	32	2	4 x M16	50	299	230	653	15	38.02	6	3	6	190
622-650	NEO+ 625-650 PN16 L3	20	22	30	2	4 x M16	50	299	230	678	15	38.98	6	3	6	190
647-675	NEO+ 650-675 PN16 L3	19	21	29	2	4 x M16	50	299	230	703	15	39.93	6	3	6	190
672-700	NEO+ 675-700 PN16 L3	18	21	28	2	4 x M16	60	299	230	728	15	40.89	6	3	6	190
697-725	NEO+ 700-725 PN16 L3	18	20	27	2	4 x M16	60	299	230	753	15	41.85	6	3	6	190
722-750	NEO+ 725-750 PN16 L3	17	19	26	2	4 x M16	60	299	230	778	15	42.81	6	3	6	190
747-775	NEO+ 750-775 PN16 L3	21	23	32	2	4 x M20	80	301	230	805	15	56.03	6	3	6	190
772-800	NEO+ 775-800 PN16 L3	20	23	31	2	4 x M20	80	301	230	830	15	57.19	6	3	6	190
797-825	NEO+ 800-825 PN16 L3	20	22	30	2	4 x M20	80	301	230	855	15	58.35	6	3	6	190
822-850	NEO+ 825-850 PN16 L3	19	21	29	2	4 x M20	80	301	230	880	15	59.51	6	3	6	190
847-875	NEO+ 850-875 PN16 L3	18	21	27	2	4 x M20	80	301	230	905	15	60.67	6	3	6	190
872-900	NEO+ 875-900 PN16 L3	18	20	27	2	4 x M20	90	301	230	930	15	61.82	6	3	6	190
897-925	NEO+ 900-925 PN16 L3	17	19	26	2	4 x M20	90	301	230	955	15	62.98	6	3	6	190
922-950	NEO+ 925-950 PN16 L3	17	19	26	2	4 x M20	90	301	230	980	15	64.14	6	3	6	190

PN 16 L3

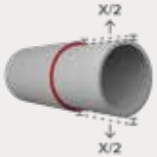
Technical drawing



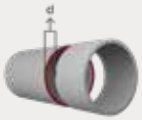
PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment



ΔØ Maximum diameter difference

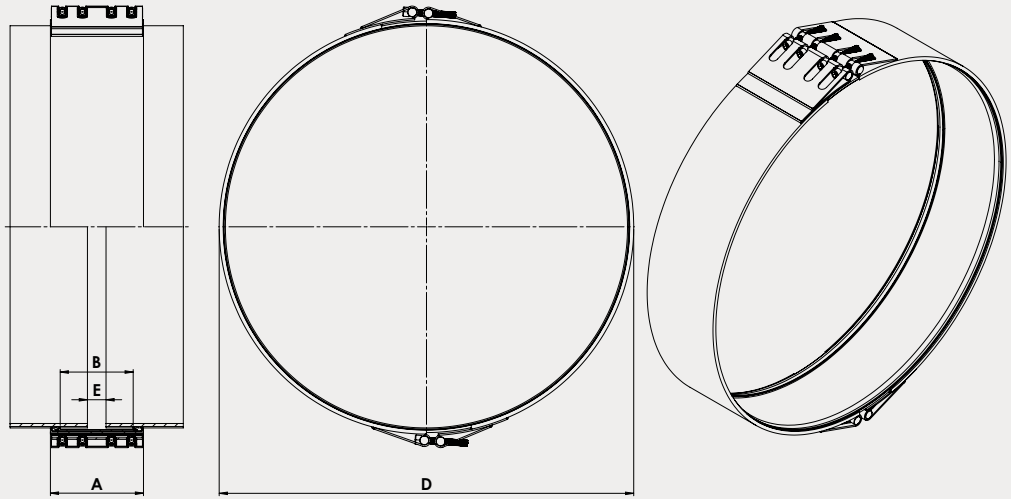


E Maximum gap width

crack Maximum crack

Arpol NEO+ | Ø600 – 1250 mm

W1/A2 | L 300 mm | CO



Additional information

Technical specification

PFA: Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA: Allowable maximum operating pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA: Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Nominal pressure
PN 16

Vacuum test
-0.8 bar

Flexibility proof test (axial movement)
150% PFA

Flexibility proof test (angular deflection)
150% PFA. Maximum angular deflection

Hydrostatic burst test
According BS 8561:2013.

Materials & Important information

Casing
Carbon steel EN 10025-5; S355J2WP (1.8946)
High performance polymer coated Plascoat PPA 571 EN

Inner steel plate
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Inner steel guide
Stainless steel EN 10088-2; 1.4404,ASTM A 240 AISI 316L

Bars
Stainless steel EN 10088-2; 1.4307,ASTM A 240 AISI 304L

Bolts
ISO 4762 / DIN 912 EN-ISO 3506 with antigalling zinc coating

Sealing gasket
EPDM IRHD 70 according EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C

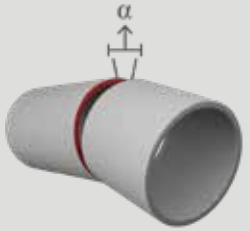
Quality W1/A2		
	ASTM	**EN**
Casing	A 242	1.8946
Bars	304L	1.4307
Bolts	304	1.4301
EPDM sealing gasket		

NSF/ANSI/CAN 61 & 372

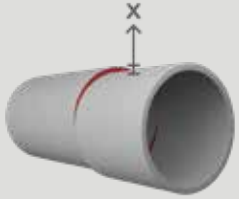
∅
40-1250 MM

Symbols

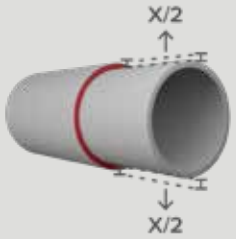
α Maximum angular deflection



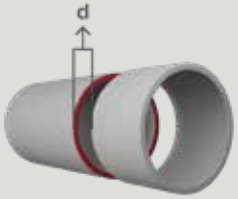
X Maximum misalignment



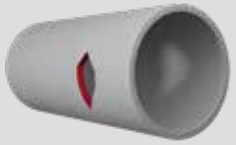
ΔØ Maximum diameter difference



E Maximum gap width



crack Maximum crack



Arpol NEO+

Ø600 – 950 mm PN 16 | W1/A2 | L 300 mm | CO

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌭	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
597-625	NEO+ 600-625 PN16 L3 CO	20	23	31	2	4 x M20	60	299	230	653	15	41.44	6	3	6	190
622-650	NEO+ 625-650 PN16 L3 CO	20	23	31	2	4 x M20	60	299	230	678	15	42.40	6	3	6	190
647-675	NEO+ 650-675 PN16 L3 CO	20	23	31	2	4 x M20	70	299	230	703	15	43.36	6	3	6	190
672-700	NEO+ 675-700 PN16 L3 CO	20	23	31	2	4 x M20	70	299	230	728	15	44.32	6	3	6	190
697-725	NEO+ 700-725 PN16 L3 CO	20	23	31	2	4 x M20	70	299	230	753	15	45.27	6	3	6	190
722-750	NEO+ 725-750 PN16 L3 CO	20	23	31	2	4 x M20	70	299	230	778	15	46.23	6	3	6	190
747-775	NEO+ 750-775 PN16 L3 CO	20	23	31	2	4 x M20	80	299	230	803	15	47.19	6	3	6	190
772-800	NEO+ 775-800 PN16 L3 CO	20	23	31	2	4 x M20	80	299	230	828	15	48.15	6	3	6	190
797-825	NEO+ 800-825 PN16 L3 CO	20	23	31	2	4 x M20	80	299	230	853	15	49.11	6	3	6	190
822-850	NEO+ 825-850 PN16 L3 CO	20	23	31	2	4 x M20	80	299	230	878	15	50.07	6	3	6	190
847-875	NEO+ 850-875 PN16 L3 CO	20	23	30	2	4 x M20	80	299	230	903	15	51.03	6	3	6	190
872-900	NEO+ 875-900 PN16 L3 CO	20	22	30	2	4 x M20	90	299	230	928	15	51.98	6	3	6	190
897-925	NEO+ 900-925 PN16 L3 CO	19	21	29	2	4 x M20	90	299	230	953	15	52.94	6	3	6	190
922-950	NEO+ 925-950 PN16 L3 CO	18	21	27	2	4 x M20	90	299	230	978	15	53.90	6	3	6	190
947-975	NEO+ 950-975 PN16 L3 CO	18	20	27	2	4 x M20	90	299	230	1003	15	54.86	6	3	6	190
972-1000	NEO+ 975-1000 PN16 L3 CO	17	20	26	2	4 x M20	100	299	230	1028	15	55.82	6	3	6	190
997-1025	NEO+ 1000-1025 PN16 L3 CO	22	24	33	2	4 x M20	100	301	230	1055	15	67.62	6	3	6	190
1022-1050	NEO+ 1025-1050 PN16 L3 CO	21	23	32	2	4 x M20	100	301	230	1080	15	68.78	5	3	6	190
1047-1075	NEO+ 1050-1075 PN16 L3 CO	20	23	31	2	4 x M20	100	301	230	1105	15	69.93	5	3	6	190
1072-1100	NEO+ 1075-1100 PN16 L3 CO	20	22	30	2	4 x M20	100	301	230	1130	15	71.09	5	3	6	190
1097-1125	NEO+ 1100-1125 PN16 L3 CO	19	22	29	2	4 x M20	120	301	230	1155	15	72.25	5	3	6	190
1122-1150	NEO+ 1125-1150 PN16 L3 CO	19	21	29	2	4 x M20	120	301	230	1180	15	73.41	5	3	6	190

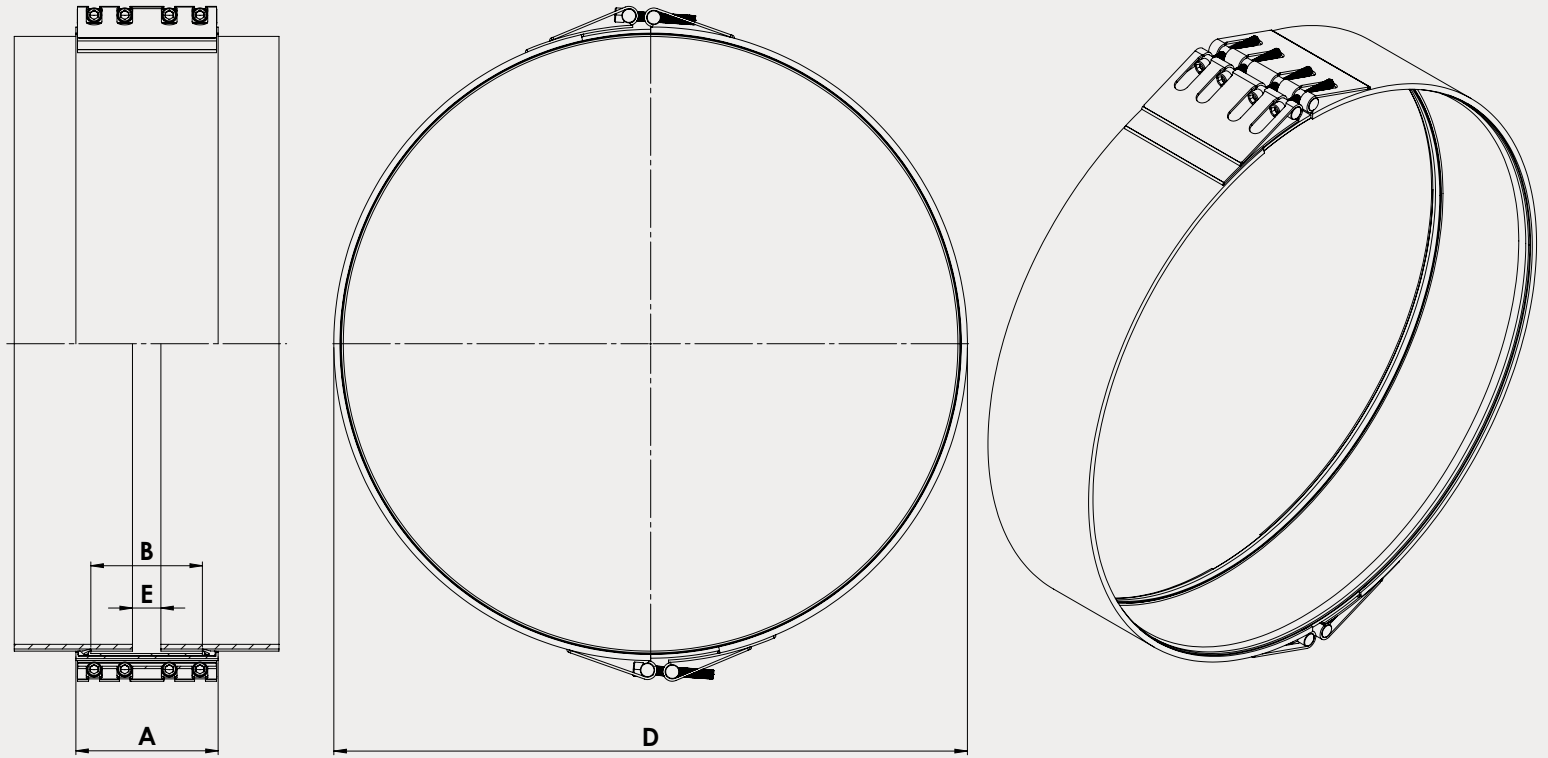
PN 16 L3

Arpol NEO+

Ø950 – 1250 mm PN 16 | W1/A2 | L 300 mm | CO

Range	NEO+ reference	Pressures			Lock			Dimensions				Weight	Tolerances			
		PFA	PMA	PEA	Num.	Size	Tor.	A	B	D	E		α	⌭	ΔØ	Crack
mm		bar	bar	bar	Units	mm	Nm	mm	mm	mm	mm	Kg	°	mm	mm	mm
1147-1175	NEO+ 1150-1175 PN16 L3 CO	18	21	28	2	4 x M20	120	301	230	1205	15	74.57	5	3	6	190
1172-1200	NEO+ 1175-1200 PN16 L3 CO	18	21	27	2	4 x M20	120	301	230	1230	15	75.72	5	3	6	190
1197-1225	NEO+ 1200-1225 PN16 L3 CO	18	20	27	2	4 x M20	120	301	230	1255	15	76.88	5	3	6	190
1222-1250	NEO+ 1225-1250 PN16 L3 CO	17	20	26	2	4 x M20	120	301	230	1280	15	78.04	4	3	6	190

Technical drawing

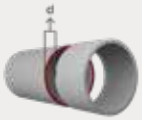


PN – Nominal pressure | PFA - Allowable operating pressures| PMA - Allowable maximum operating Pressure| PEA - Allowable site test pressure| Num.- number of locks | Size.- bolt size | Tor.-torque rate

α Maximum angular deflection

Maximum misalignment

ΔØ Maximum diameter difference



E Maximum gap width

crack Maximum crack

Remarks

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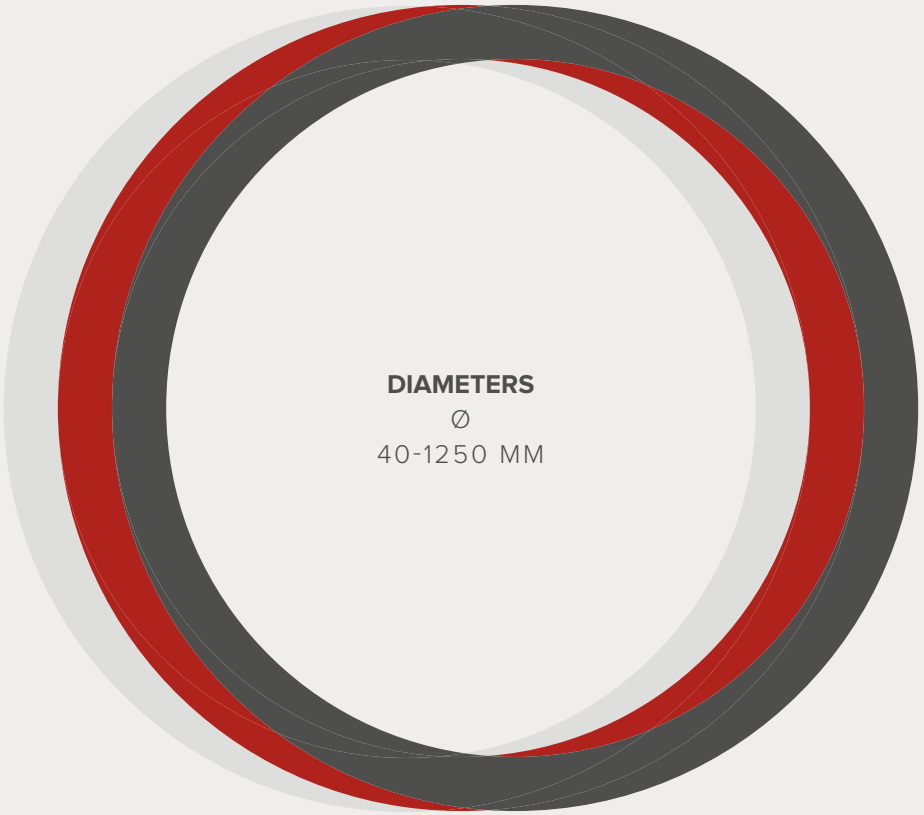

DIAMETERS

Ø

40-1250 MM

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Ø

40-1250MM

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