

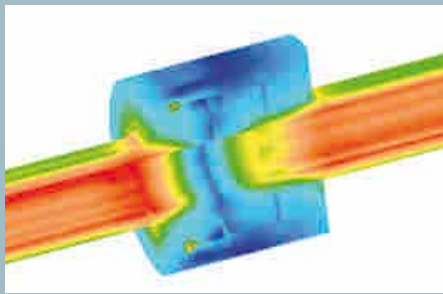


**NUOVA GIUNGAS**

MONOLITHIC ISOLATION JOINTS | *Engineered. Safe. Durable.*

PART OF





MONOLITHIC ISOLATION JOINTS | *Engineered. Safe. Durable.*

**NUOVA GIUNGAS**

**Nuova Giungas** is a global leader in designing and manufacturing Monolithic Isolation Joints delivering superior performance in cathodic protection to Oil and Gas pipelines both for upstream, midstream and downstream operations.

As a single product company NG is specialized in state-of-the-art engineered MIJs for mission critical applications and extreme service conditions.

Established in 1965, headquartered in Italy is now part of Valvitalia Group, leader in manufacturing Valves, Actuators, Fittings, Flanges, Gas and Fire Fighting Systems, for the Energy, Civil and Marine industries.

## COMPANY



**Valvitalia Group • Headquarters**  
Rivanazzano Terme (PV) - Italy

**Nuova Giungas • Plant**  
Formigine (MO) - Italy

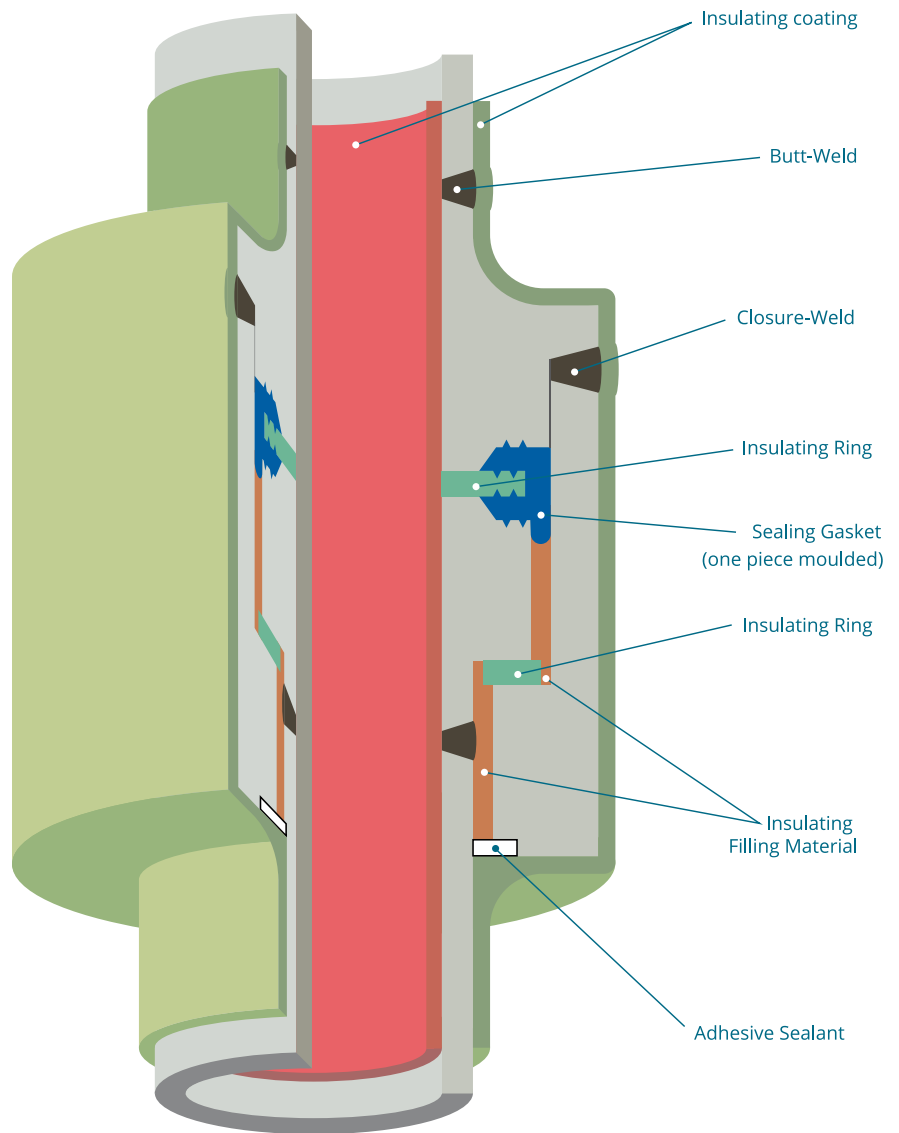




MONOLITHIC ISOLATION JOINTS | *Engineered. Safe. Durable.*

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## U-SEAL

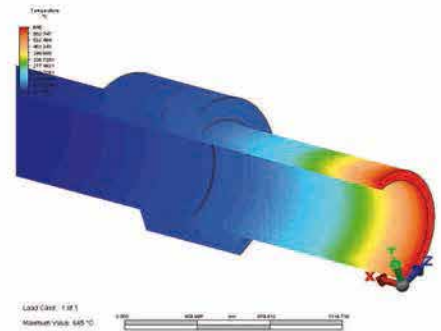
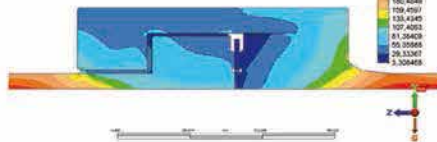
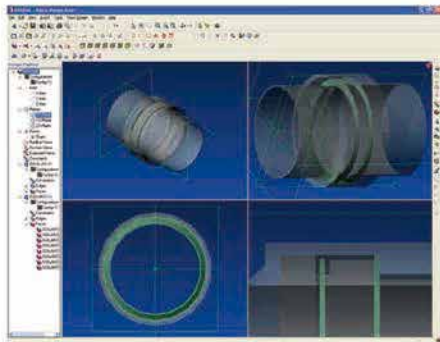


U-seal is a unique engineered sealing gasket featuring a heavy-duty double-sided symmetrical configuration over the isolation ring. It delivers significantly higher tightness and Anti Explosive Decompression\* performances compared to conventional O-ring seals. The system has proved top reliable performance over twenty years of service on mission critical pipeline applications - up to API #10.000 class - and extreme service condition in highly corrosive and toxic fluids (high H<sub>2</sub>S and/or high CO<sub>2</sub> content).

\*U-seal has a documented testing RGD compliance superior to NORSOK M-710 and ISO 23936-2 test requirements thanks to its specific engineered design filling its groove housing up to 98%.

**SPECIAL ISOLATION JOINTS**

- Designed, manufactured and tested according to project specification.
- ND range: **1/2" to 130"**.
- Operating pressure up to **1.000 Bar**.
- Electrical resistance: **≥ 200Mohm** (at 1000V dc in air).
- Dielectric strenght test (ac 50Hz): **up to 40KV**.
- Operating Temperature: **up to 250°C**.
- Available with materials matching pipelines in carbon steel (up to grade API5L-X100), austenitic stainless steel, duplex stainless steel, with inconel or incolloy internal cladding.
- Application: Oil, Gas, Water pipelines.
- Monolithic boltless construction.
- Seal: U-shape ring (proprietary design).
- O-ring free.







**Giunti isolanti di utenza  
UNI 10284**

Classe: **PN10 / MOP10**

Applicazioni principali:

**Reti di distribuzione (UNI 9165),  
impianti di derivazione del gas  
(UNI 9860), impianti a Gas per uso  
domestico e similari (UNI 7129-1).**

**Meter service isolation joints**

UNI 10284

Class: **PN10 / MOP10**

Main applications:

**Gas distribution network (UNI 9165),  
gas service pipe (UNI 9860), Gas plants  
for domestic and similar uses  
(UNI 7129-1).**



T	R	RT	RP	P	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. P=Nominal pressure
70°C	>100 Mohm U.R.=55% t=22°C (prove di officina/ factory tests)	3 KV	>5 KV	10 Bar 1 MPa		

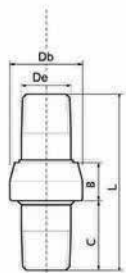
Tipo (per dettagli vedi pubblicazione NG-IJTY-01)

a: Maschio/Maschio - b: Maschio/Saldare - c: Saldare/Saldare -  
d: Maschio/Femmina - e: Femmina Femmina

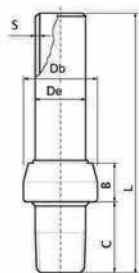
Type (for details see Nuovagiungas publication NG-IJTY-01)

a: Male/Male - b: Male/Weld - c: Weld/Weld - d: Male/Female -  
e: Female/Female

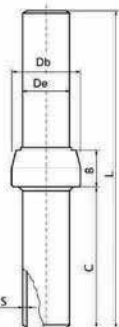
F1-a



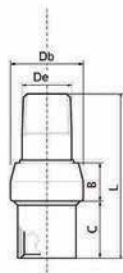
F1-b



F1-c



F1-d



F1-e



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Db	B	S	C (F1-a)	C (F1-b)	C (F1-c)	C (F1-d)	C (F1-e)	L (F1-a)	L (F1-b)	L (F1-c)	L (F1-d)	L (F1-e)	Tipo Type
1/2"	15	21.3	46	28	3,2	35	-	90	25	-	110	-	210	100	-	F1
3/4"	20	26.9	53	30	3,2	41	41	96	27	27	125	170	225	110	135	F1
1"	25	33.4	60	32	3,2	46	46	105	29	29	137	183	245	120	142	F1
1 1/4"	32	42.4	71	35	3,6	51	51	117	32	32	154	203	270	135	165	F1
1 1/2"	40	48.3	77	37	3,6	56	56	121	32	32	168	215	280	145	175	F1
2"	50	60.3	90	38	4,0	61	61	126	36	36	170	225	290	150	180	F1
2 1/2"	65	76.1	113	53	5,0	62	62	137	40	-	194	255	330	170	-	F1
3"	80	88.9	127	56	5,0	72	72	172	44	-	232	300	400	200	-	F1
4"	114.3	155	155	65	5,0	100	100	168	55	-	260	330	400	220	-	F1
In.	mm	mm														
Le dimensioni sono a titolo indicativo e suscettibili di variazione come da disegni costruttivi e tolleranze relative									The dimensions are indicative and subject to variation as per construction drawings and relevant tolerances							

**Materiale:** Acciaio (conforme ai requisiti della UNI10284 e del DM 16/04/2008, per esempio: EN10208-1 L210 o equivalente/superiore)

**Estremità a saldare:** EN10208-1/ ISO3183/API 5L (smusso= 30° + 5/-0°; spalla= 1.6mm)

**Estremità filettate:** ISO7/EN10226-1

**Norme e codici:** UNI 10284, NACE SP0286-86, D.M. 16/04/2008, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6

A richiesta: 2014/68/UE (PED)

**Materials:** Steel (in compliance to UNI10284 and DM 16/04/2008 requirements, i.e.: EN10208-1 grade L210 or equivalent/superior)

**Weld ends:** EN10208-1/ ISO3183/API 5L

(bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)

**Thread ends:** ISO7/EN10226-1

**Rules and norms:** UNI 10284, NACE SP0286, D.M. 16/04/2008, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6

Upon request: 2014/68/UE (PED)

**Giunti isolanti di linea**  
**UNI 10285**

Classe: **PN25 / MOP25**

Applicazioni principali:  
**Trasporto e distribuzione di GAS (UNI EN 1594), reti di distribuzione (UNI 9165), impianti di derivazione del gas (UNI 9860).**

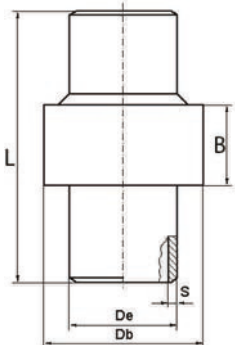
**Main pipeline isolation joints**  
UNI 10285

Class: **PN25 / MOP25**

Main applications:  
**Gas supply system (UNI EN 1594), gas distribution network (UNI 9165), gas service pipe (UNI 9860).**



T	R	RT	RP	P		
70°C	>100 Mohm	3.5 KV	>10 KV	25 Bar 2.5 MPa	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. P=Nominal pressure
	U.R.=55% t=22°C (prove di officina/ factory tests)					



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type	!
1/2"	15	21.3	Gr.B/L245	3.6	230	49	34	B3	(*)
3/4"	20	26.7	Gr.B/L245	3.9	245	51	35	B3	(*)
1"	25	33.4	Gr.B/L245	3.4	250	67	50	F1/C	(*)
1 1/4"	32	42.4	Gr.B/L245	3.6	300	76	50	F1	(*)
1 1/2"	40	48.3	Gr.B/L245	3.6	300	83	58	F1	(*)
2"	50	60.3	Gr.B/L245	3.9	350	88	60	NG5/C	(*)
2 1/2"	65	76.1	L245	4.8	350	113	65	NG5/C	(*)
3"	80	88.9	Gr.B/L245	4.8	400	125	65	NG5/C	-
4"	100	114.3	Gr.B/L245	4.8	400	150	75	NG5/C	-
5"	125	141.3	Gr.B/L245	4.8	500	191	92	NG5/C	-
6"	150	168.3	Gr.B/L245	5.6	500	215	97	NG5/C	-
8"	200	219.1	Gr.B/L245	6.4	500	273	106	NG5/C	-
10"	250	273	Gr.B/L245	6.4	700	323	116	NG5/C	-
12"	300	323.8	Gr.B/L245	6.4	700	382	154	NG5/C	-
14"	350	355.6	Gr.B/L245	7.1	900	426	180	NG5/B3	-
16"	400	406.4	Gr.B/L245	7.1	900	470	175	NG5/B3	-
18"	450	457.2	Gr.B/L245	7.1	900	518	200	NG5/B	-
20"	500	508	Gr.B/L245	7.1	1000	605	220	NG4/B	-
22"	550	558.8	Gr.B/L245	8	1000	660	234	NG4/B	-
24"	600	609.6	Gr.B/L245	8.8	1000	726	255	NG4/B	-
26"	650	660.4	Gr.B/L245	8.8	1000	766	255	NG4/B	(*)
28"	700	711.2	Gr.B/L245	8.8	1200	830	280	NG4/B	(*)
30"	750	762	Gr.B/L245	8.8	1200	870	280	NG4/B	(*)
In.	mm	Dimensioni in mm / Dimensions in mm							

(\*) Diametro non previsto nella UNI 10285.  
Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

(\*) Item not provided in UNI 10285.  
Type: please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-2  
**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2  
(smusso= 30° + 5/-0°; spalla= 1.6mm)  
**Norme e codici:** UNI 10285, NACE SP0286-86, D.M. 24/11/1984, D.M. 16/04/2008,  
D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
A richiesta: 2014/68/UE (PED)

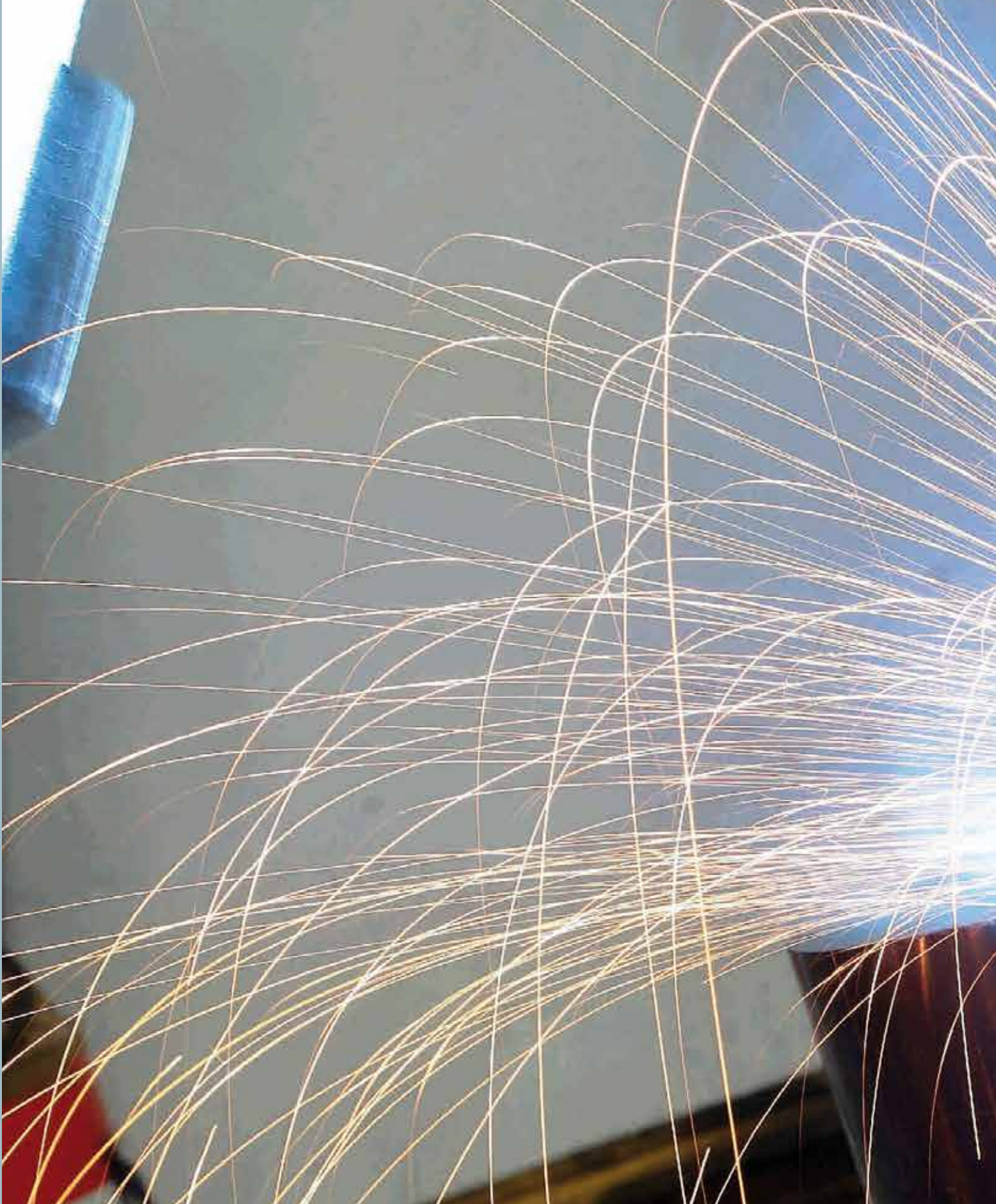
**Materials:** Steel API 5L / ISO 3183 / EN10208-2  
**Weld ends:** API 5L / ISO 3183 / EN10208-2  
(bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)  
**Rules and norms:** UNI 10285, NACE SP0286, D.M. 24/11/1984, D.M. 16/04/2008,  
D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
Upon request: 2014/68/UE (PED)





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# MAIN PIPELINE PN64



MONOLITHIC ISOLATION JOINTS | Engineered. Safe. Durable.

## Giunti isolanti di linea PN64

Classe: **PN64 / MOP64**

Applicazioni principali:  
**Trasporto e distribuzione di GAS (UNI EN 1594), reti di distribuzione gas, acqua ed altri fluidi, impianti.**

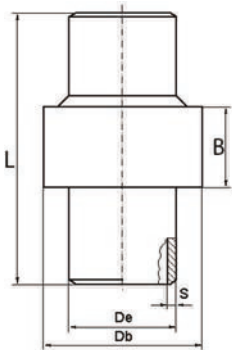
## Main pipeline isolation joints PN64

Class: **PN64 / MOP64**

Main applications:  
**Gas supply system (UNI EN 1594), gas, water or other media distribution network, plant.**



T	R	RT	RP	P		
70°C	>100 Mohm	3.5 KV	>10 KV	64 Bar 6,4 MPa	T=Max temperatura di esercizio	T=Max operating temperature
	U.R.=55% t=22°C (prove di officina/ factory tests)				R=Resistenza di isolamento in aria a 1000 Volt c.c.	R=Electric resistance in air at 1000 Volt d.c.
					RT=Tensione elettrica di prova c.a.	RT=Dielectric test a.c.
					RP=Tensione elettrica di perforazione c.a.	RP=Dielectric strength c.a.
					P=pressione nominale	P=Nominal pressure



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type
1/2"	15	21.3	Gr.B/L245	3.2	250	60	59	F2(F1)
3/4"	20	26.7	Gr.B/L245	3.2	250	65	60	F2(F1)
1"	25	33.4	Gr.B/L245	3.4	250	75	60	F1(F2)
1 1/4"	32	42.4	Gr.B/L245	3.6	300	83	68	F2(F1)
1 1/2"	40	48.3	Gr.B/L245	3.7	300	95	86	F1(F2)
2"	50	60.3	Gr.B/L245	3.9	350	114	104	NG5/C
2 1/2"	65	76.1	L245	5.5	350	132	117	NG5/C
3"	80	88.9	Gr.B/L245	5.5	500	155	123	NG5/C
4"	100	114.3	Gr.B/L245	6	500	190	128	NG5/C
5"	125	141.3	Gr.B/L245	6.5	600	217	148	NG5/C
6"	150	168.3	X52/L360	7.1	600	248	161	NG5/C
8"	200	219.1	X52/L360	8.2	600	297	183	NG5/C
10"	250	273	X52/L360	9.3	800	364	202	NG5/C
12"	300	323.8	X52/L360	9.5	800	430	223	NG5/C
14"	350	355.6	X52/L360	12.7	1000	450	210	NG4/B
16"	400	406.4	X52/L360	12.7	1000	510	250	NG4/B
18"	450	457.2	X52/L360	14.3	1000	560	260	NG4/B
20"	500	508	X52/L360	15.9	1200	640	280	NG4/B
22"	550	558.8	X52/L360	17.5	1200	690	300	NG4/B
24"	600	609.6	X52/L360	19	1200	760	330	NG4/B
26"	650	660.4	X52/L360	19	1200	800	360	NG4/B
28"	700	711.2	X52/L360	19	1300	850	375	NG4/B
30"	750	762	X52/L360	19	1300	900	380	NG4/B
In.	mm		Dimensioni in mm / Dimensions in mm					

Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

Type: please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-2  
**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2  
 (smusso= 30° + 5/-0°; spalla= 1.6mm)  
**Norme e codici:** NACE SP0286-86, D.M. 24/11/1984, D.M. 16/04/2008,  
 D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 A richiesta: 2014/68/UE (PED)

**Materials:** Steel API 5L / ISO 3183 / EN10208-2  
**Weld ends:** API 5L / ISO 3183 / EN10208-2  
 (bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)  
**Rules and norms:** NACE SP0286, D.M. 24/11/1984, D.M. 16/04/2008,  
 D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 Upon request: 2014/68/UE (PED)

# MAIN PIPELINE PN100



NUOVA GIUNGAS

MONOLITHIC ISOLATION JOINTS | *Engineered. Safe. Durable.*

## Giunti isolanti di linea PN100

Classe: **PN100 / MOP100**

Applicazioni principali:  
**Trasporto e distribuzione di GAS, reti di distribuzione gas, acqua ed altri fluidi<sup>(\*)</sup>, impianti.**

(\*) La lista dei fluidi compatibili disponibile a richiesta

## Main pipeline isolation joints PN100

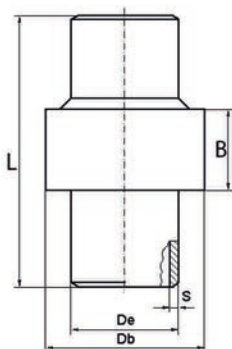
Class: **PN100 / MOP100**

Main applications:  
**Gas supply system, gas, water or other fluids<sup>(\*)</sup> distribution network, plant.**

(\*) Allowed fluid available upon request



T	R	RT	RP	P	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. P=Nominal pressure
<b>70°C</b>	<b>&gt;100 Mohm</b> U.R.=55% t=22°C (prove di officina/ factory tests)	<b>3.5 KV</b>	<b>&gt;10 KV</b>	<b>100 Bar</b> <b>10,0 MPa</b>		



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type
1/2"	15	21.3	Gr.B/L245	3.2	250	60	59	F2(F1)
3/4"	20	26.7	Gr.B/L245	3.2	250	65	60	F2(F1)
1"	25	33.4	Gr.B/L245	3.4	250	75	60	F1(F2)
1 1/4"	32	42.4	Gr.B/L245	3.6	300	83	68	F2(F1)
1 1/2"	40	48.3	Gr.B/L245	3.7	300	95	86	F1(F2)
2"	50	60.3	Gr.B/L245	3.9	350	114	104	NG5/C
2 1/2"	65	76.1	L245	5.5	350	132	117	NG5/C
3"	80	88.9	Gr.B/L245	5.5	500	155	123	NG5/C
4"	100	114.3	Gr.B/L245	6	500	190	128	NG5/C
5"	125	141.3	Gr.B/L245	6.5	600	217	148	NG5/C
6"	150	168.3	X52/L360	7.1	600	248	161	NG5/C
8"	200	219.1	X52/L360	8.2	600	297	183	NG5/C
10"	250	273	X52/L360	9.3	800	364	202	NG5/C
12"	300	323.8	X52/L360	9.5	800	430	223	NG5/C
14"	350	355.6	X52/L360	12.7	1000	455	231	NG4/B
16"	400	406.4	X52/L360	12.7	1000	540	280	NG4/B
18"	450	457.2	X52/L360	14.3	1000	600	290	NG4/B
20"	500	508	X52/L360	15.9	1200	684	308	NG4/B
22"	550	558.8	X52/L360	17.5	1200	730	340	NG4/B
24"	600	609.6	X52/L360	19	1200	810	360	NG4/B
26"	650	660.4	X52/L360	19	1200	845	390	NG4/B
28"	700	711.2	X52/L360	19	1300	890	400	NG4/B
30"	750	762	X52/L360	19	1300	970	421	NG4/B
In.	mm	Dimensioni in mm / Dimensions in mm						

Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

Type : please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-2  
**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2  
 (smusso= 30° + 5/-0°; spalla= 1.6mm)  
**Norme e codici:** NACE SP0286-86, D.M. 24/11/1984, D.M. 16/04/2008,  
 D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 A richiesta: 2014/68/UE (PED)

**Materials:** Steel API 5L / ISO 3183 / EN10208-2  
**Weld ends:** API 5L / ISO 3183 / EN10208-2  
 (bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)  
**Rules and norms:** NACE SP0286, D.M. 24/11/1984, D.M. 16/04/2008,  
 D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 Upon request: 2014/68/UE (PED)



# MAIN PIPELINE

PN100 - UNI11105



MONOLITHIC ISOLATION JOINTS | Engineered. Safe. Durable.

## Giunti isolanti di linea UNI 11105

Classe: **PN100 / MOP100**

Applicazioni principali:  
**Trasporto e distribuzione di GAS (UNI EN 1594), reti di distribuzione gas**

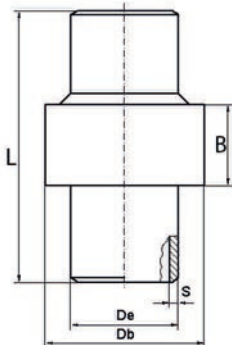
## Main pipeline isolation joints UNI 11105

Class: **PN100 / MOP100**

Main applications:  
**Gas supply system (UNI EN 1594), gas distribution network**



T	R	RT	RP	P	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. P=Nominal pressure
70°C	>100 Mohm U.R.=55% t=22°C (prove di officina/ factory tests)	3.5 KV	>10 KV	100 Bar 10,0 MPa		



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type
1/2"	15	21.3	Gr.B/L245	3.2	250	60	59	F2
3/4"	20	26.7	Gr.B/L245	3.2	250	65	60	F2
1"	25	33.4	Gr.B/L245	3.4	250	75	60	F1
1 1/4"	32	42.4	Gr.B/L245	3.6	300	83	68	F2
1 1/2"	40	48.3	Gr.B/L245	3.7	300	95	86	F1
2"	50	60.3	Gr.B/L245	3.9	350	114	104	NG5/C
2 1/2"	65	76.1	L245	5.5	350	132	117	NG5/C
3"	80	88.9	Gr.B/L245	5.5	500	155	123	NG5/C
4"	100	114.3	Gr.B/L245	6	500	190	128	NG5/C
5"	125	141.3	Gr.B/L245	6.5	600	217	148	NG5/C
6"	150	168.3	X52/L360	7.1	600	248	161	NG5/C
8"	200	219.1	X52/L360	8.2	600	297	183	NG5/C
10"	250	273	X52/L360	9.3	800	364	202	NG5/C
12"	300	323.8	X52/L360	9.5	800	430	223	NG5/C
14"	350	355.6	X52/L360	12.7	1000	455	231	NG4/B
16"	400	406.4	X52/L360	12.7	1000	540	280	NG4/B
18"	450	457.2	X52/L360	14.3	1000	600	290	NG4/B
20"	500	508	X52/L360	15.9	1200	684	308	NG4/B
22"	550	558.8	X52/L360	17.5	1200	730	340	NG4/B
24"	600	609.6	X52/L360	19	1200	810	360	NG4/B
26"	650	660.4	X52/L360	19	1200	845	390	NG4/B
28"	700	711.2	X52/L360	19	1300	890	400	NG4/B
30"	750	762	X52/L360	19	1300	970	421	NG4/B
In.	mm	Dimensioni in mm / Dimensions in mm						

Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

Type: please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-2  
**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2  
 (smusso= 30° + 5/-0°; spalla= 1.6mm)  
**Norme e codici:** UNI11105, NACE SP0286-86, D.M. 24/11/1984, D.M. 16/04/2008, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 A richiesta: 2014/68/UE (PED)

**Materials:** Steel API 5L / ISO 3183 / EN10208-2  
**Weld ends:** API 5L / ISO 3183 / EN10208-2  
 (bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)  
**Rules and norms:** UNI11105, NACE SP0286, D.M. 24/11/1984, D.M. 16/04/2008, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6  
 Upon request: 2014/68/UE (PED)

**Giunti isolanti di linea  
TELERSICILDAMENTO**

Classe: **PN25/ MOP25**

Applicazioni principali:  
**Trasporto e distribuzione acqua  
surriscaldata e vapore, impianti  
telersicaldamento**

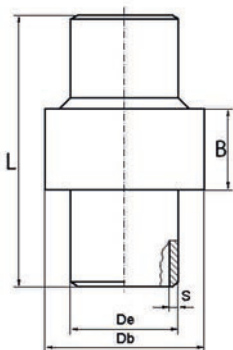
**Main pipeline isolation joints  
DISTRICT HEATING PLANT**

Class: **PN25 / MOP25**

Main applications:  
**Hot water and steam supply system  
/ distribution network, district  
heating plant.**



T	R	RT	RP	P	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. P=Nominal pressure
<b>140°C</b>	<b>&gt;100 Mohm</b> U.R.=55% t=22°C (prove di officina/ factory tests)	<b>3.5 KV</b>	<b>&gt;10 KV</b>	<b>25 Bar</b> <b>2.5 MPa</b>		



Certificazione  
Certificates

- ✓ EN10204 3.1
- ✓ EN-UNI-CEI 17050-1
- ✓ CE conformity

ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type
1/2"	15	21.3	Gr.B/L245	3.2	250	60	59	F2
3/4"	20	26.7	Gr.B/L245	3.2	250	65	60	F2
1"	25	33.4	Gr.B/L245	3.4	250	75	60	F2
1 1/4"	32	42.4	Gr.B/L245	3.6	300	83	68	F2
1 1/2"	40	48.3	Gr.B/L245	3.7	300	95	86	F2
2"	50	60.3	Gr.B/L245	3.9	350	114	104	NG5/B (NG5/B2)
2 1/2"	65	76.1	L245	5.5	350	132	117	NG5/B (NG5/B2)
3"	80	88.9	Gr.B/L245	5.5	500	155	123	NG5/B (NG5/B2)
4"	100	114.3	Gr.B/L245	6	500	190	128	NG5/B (NG5/B2)
5"	125	141.3	Gr.B/L245	6.5	600	217	148	NG5/B (NG5/B2)
6"	150	168.3	X52/L360	7.1	600	248	161	NG5/B (NG5/B2)
8"	200	219.1	X52/L360	8.2	600	297	183	NG5/B (NG5/B2)
10"	250	273	X52/L360	9.3	800	364	202	NG5/B (NG5/B2)
12"	300	323.8	X52/L360	9.5	800	430	223	NG5/B (NG5/B2)
14"	350	355.6	X52/L360	12.7	1000	450	210	NG4/B
16"	400	406.4	X52/L360	12.7	1000	510	250	NG4/B
18"	450	457.2	X52/L360	14.3	1000	560	260	NG4/B
20"	500	508	X52/L360	15.9	1200	640	280	NG4/B
22"	550	558.8	X52/L360	17.5	1200	690	300	NG4/B
24"	600	609.6	X52/L360	19	1200	760	330	NG4/B
26"	650	660.4	X52/L360	19	1200	800	360	NG4/B
28"	700	711.2	X52/L360	19	1300	850	375	NG4/B
30"	750	762	X52/L360	19	1300	900	380	NG4/B
In.	mm	Dimensioni in mm / Dimensions in mm						

Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

Type : please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-2  
**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2  
(smusso= 30° + 5/-0°; spalla= 1.6mm)  
**Norme e codici:** NACE SP0286-86,  
D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e  
21 d T6  
A richiesta: 2014/68/UE (PED)

**Materials:** Steel API 5L / ISO 3183 / EN10208-2  
**Weld ends:** API 5L / ISO 3183 / EN10208-2  
(bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)  
**Rules and norms:** NACE SP0286,  
D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e  
21 d T6  
Upon request: 2014/68/UE (PED)

**Giunti isolanti di linea  
(ACQUA)**

Classe: **PN25 / MOP25**

Applicazioni principali:  
**Trasporto e distribuzione di Acqua  
potabile, reti ed impianti di  
distribuzione acqua potabile.**

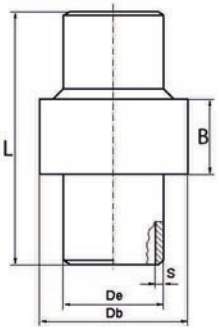
**Main pipeline isolation joints  
(WATER)**

Class: **PN25 / MOP25**

Main applications:  
**Potable water supply system,  
Potable water distribution network  
and service pipe.**



<b>T</b>	<b>R</b>	<b>RT</b>	<b>RP</b>	<b>Rh</b>	<b>P</b>	T=Max temperatura di esercizio R=Resistenza di isolamento in aria a 1000 Volt c.c. RT=Tensione elettrica di prova c.a. RP=Tensione elettrica di perforazione c.a. Rh=Resistenza elettrica giunto pieno di acqua P=pressione nominale	T=Max operating temperature R=Electric resistance in air at 1000 Volt d.c. RT=Dielectric test a.c. RP=Dielectric strength c.a. Rh=electrical resistance full of water P=Nominal pressure
<b>70°C</b>	<b>&gt;5 Mohm</b>	<b>3 KV</b>	<b>&gt;5 KV</b>	Vedi sotto See below	<b>25 Bar</b> <b>2.5 MPa</b>		
U.R.=55% t=22°C (prove di officina/ factory tests)							

 <p><math>Rh = \rho \frac{Li}{A} (\Omega)</math></p> <p>Dove: <math>\rho</math> = resistività acqua (Ωcm) Li = lunghezza dell'isolamento longitudinale interno/ rivestimento (cm) A = sezione interna tubo (cm<sup>2</sup>)</p> <p>Where: <math>\rho</math> = water resistivity Li = length of longitudinal electrical insulation/lining (cm) A = Internal section of the pipe (cm<sup>2</sup>)</p> <p>Certificazione Certificates</p> <ul style="list-style-type: none"> <li>✓ EN10204 3.1</li> <li>✓ EN-UNI-CEI 17050-1</li> <li>✓ CE conformity</li> </ul>	ND	DN	De	Materiale tubo Pipe pups mat.	S	L	Db	B	Tipo Type	!
	2"	50	60.3	Gr.B/L245	3.9	350	88	60	NG5/C	(*)
2 1/2"	65	76.1	L245	4.8	350	113	65	NG5/C	(*)	
3"	80	88.9	Gr.B/L245	4.8	400	125	65	NG5/C	-	
4"	100	114.3	Gr.B/L245	4.8	400	150	75	NG5/C	-	
5"	125	141.3	Gr.B/L245	4.8	500	191	92	NG5/C	-	
6"	150	168.3	Gr.B/L245	5.6	500	215	97	NG5/C	-	
8"	200	219.1	Gr.B/L245	6.4	500	273	106	NG5/C	-	
10"	250	273	Gr.B/L245	6.4	700	323	116	NG5/C	-	
12"	300	323.8	Gr.B/L245	6.4	700	382	154	NG5/C	-	
14"	350	355.6	Gr.B/L245	7.1	900	426	180	NG5/B3	-	
16"	400	406.4	Gr.B/L245	7.1	900	470	175	NG5/B3	-	
18"	450	457.2	Gr.B/L245	7.1	900	518	200	NG5/B	-	
20"	500	508	Gr.B/L245	7.1	1000	605	220	NG4/B	-	
22"	550	558.8	Gr.B/L245	8	1000	660	234	NG4/B	-	
24"	600	609.6	Gr.B/L245	8.8	1000	726	255	NG4/B	-	
26"	650	660.4	Gr.B/L245	8.8	1000	766	255	NG4/B	(*)	
28"	700	711.2	Gr.B/L245	8.8	1200	830	280	NG4/B	(*)	
30"	750	762	Gr.B/L245	8.8	1200	870	280	NG4/B	(*)	
36"	900	914.4	S355	10	1200	980	280	NG4/A	(*)	
40"	1000	1016	S355	12	1200	1140	320	NG4/A	(*)	
48"	1200	1219.2	S355	12	1400	1350	350	NG4/A	(*)	
56"	1400	1422.4	S355	15	1600	1565	370	NG4/A	(*)	
64"	1600	1625.6	S355	16	2000	1760	400	NG4/A	(*)	
In.	mm	Dimensioni in mm / Dimensions in mm								

(\*): Diametro non previsto nella UNI 10285.  
Tipo: vedi pubblicazione NG-IJTY-01.  
Le dimensioni di ingombro, le foto e le figure sono a solo titolo indicativo.

(\*) Item not provided in UNI 10285.  
Type: please refer to Nuovagiungas publication NG-IJTY-01.  
Overall dimensions, drawings and images for illustrative purpose only.

**Materiale:** Acciaio API 5L / ISO 3183 / EN10208-1 o 2/ EN10025-S355

**Estremità a saldare:** API 5L / ISO 3183 / EN10208-2 (smusso= 30° + 5/-0°; spalla= 1.6mm)

**Norme e codici:** UNI 10285, NACE SP0286-86, D.M. 34 - 21/03/1973, D.M. n.174 - 06/04/2004, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6

A richiesta: 2014/68/UE (PED)

**Materials:** Steel API 5L / ISO 3183 / EN10208-1 or 2/ EN 10025-S355

**Weld ends:** API 5L / ISO 3183 / EN10208-2 (bevel= 30° + 5/-0° root= 1.6mm +/-0.8mm)

**Rules and norms:** UNI 10285, NACE SP0286, D.M. 34 DEL 21/03/1973, D.M. n.174 del 06/04/2004, D.P.R. 23/03/1998 N. 126 - 2014/34/UE - Atex - II 2 GD Zona 1 e 21 d T6

Upon request: 2014/68/UE (PED)





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