

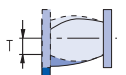
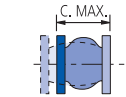
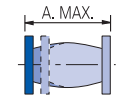
PROINVAL PROFLEX® RUBBER EXPANSION JOINT TWIN OR SINGLE SPHERE NP 10/16

BVP-04

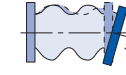
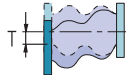
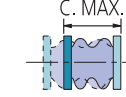
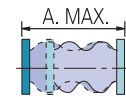
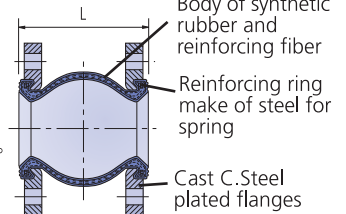
Proinval Proflex® rubber expansion joint are designed to absorb and to recover deformations on lines of fluid. Their body, made of soft elastomers, absorbs sound and isolates vibrations from any direction.

ND	L Normal	L Min.	L Máx.	A Max.	C Max.	T (+-)	Kgs.
32	95	89	97	99	87	8	2,10
40	95	89	97	99	87	8	2,45
50	105	99	107	110	99	8	3,85
65	115	107	118	121	103	10	5,60
80	130	122	133	133	118	10	6,40
100	135	122	140	145	117	12	7,80
125	170	156	175	180	152	12	10,70
150	180	167	185	190	162	12	13,20
200	205	186	212	220	180	12	18,80
250	240	221	247	254	215	22	26,60
300	260	241	267	274	235	22	37,70
350	265	246	273	281	240	22	54,50
400	265	246	273	281	240	22	76,40
450	265	246	273	281	240	22	76,90
500	265	246	273	281	240	22	77,30
600	254	246	273	281	240	22	79,50

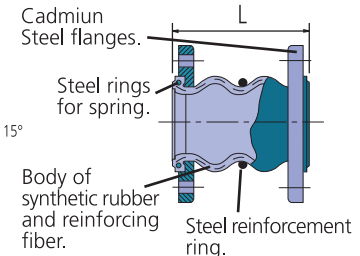
ND	L Normal	L Min.	L Máx.	A Max.	C Max.	T (+-)	Kgs.
40	175	137	190	205	125	45	3,10
50	175	137	190	205	125	45	4,10
65	175	137	190	205	125	45	6
80	175	137	190	205	125	45	6,50
100	225	187	242	260	175	40	9,20
125	225	187	242	260	175	40	11,10
150	225	187	242	260	175	40	13,40
200	325	280	342	360	265	35	20
250	325	280	342	360	265	35	29
300	325	280	342	360	265	35	43
350	350	315	364	380	304	30	58
400	350	315	364	380	304	30	81
450	350	315	364	380	304	30	85
500	350	315	364	380	304	30	90



MATERIALS



MATERIALS



GENERAL CHARACTERISTICS:

- Made with a special molding technique using synthetic fibre of high resistance, they can support a breaking pressure of more than 60 bar, even if the usual working pressure is not above 16 bar.
- They can also support a high vacuum (600mmHg) which allows them to absorb negative deformations.
- Their spherical shape and because it is not in contact between flange and metallic flanges of union, gives them more safety guarantee even on high working pressures.

INSTALLATION:

- Because they are made of elastic materials, They can be deformed for an easy and quick assembly, even in misaligned pipelines.

OTHER ADVANTAGES:

- They do not need assembly joints.
- They reduce the "hammer water" action.
- They eliminate the electrolytical corrosion risk when pipelines of different materials are joined.
- Reduced cost of assembly and maintenance.

USING LIMITS:

- Breaking pressure : 60 bar.
- Working pressure : 16 bar (see correction according temperature).
- Temperature : -10°C to 100°C.
- Vacuum : 600 mmHg.

MAIN USES:

- Pump stations.
- Air conditioning and heating systems.
- Installation of water systems.
- Air and ventilation pipelines.
- Connection of compressors.
- Pipelines for chemicals.
- Industrial and ships installations.

ELASTOMER

MATERIALS CODE	BODY	HIGHEST TEMPERATURE
BB	Butile	90°
EE	E.P.D.M.	100°
NY	Hypalon	100°
NN	Neoprene	90°
NBR	NBR	90°

TEMPERATURE / PRESSURE RATE FOR LONG LIFE

Ø NOMINAL	HIGHEST TEMPERATURE AND WORKING PRESSURE					
	80°C	85°C	90°C	95°C	100°C	105°C
32 a 300	15 BAR	12 BAR	10 BAR	7 BAR	4 BAR	2 BAR
350 a 600	10 BAR	8 BAR	7 BAR	5 BAR	2 BAR	1 BAR

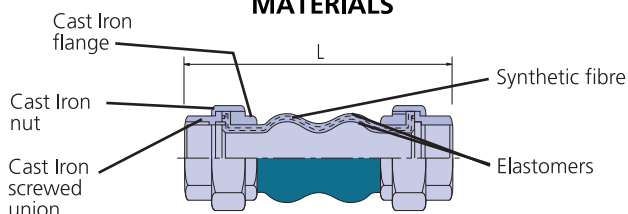
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PROINVAL PROFLEX® RUBBER EXPANSION JOINT SCREWED TYPE



BREAKING PRESSURE: 50 BAR.
WORKING PRESSURE: 10 BAR.
TEMPERATURE: -10° / 100°C.

MATERIALS



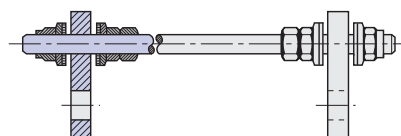
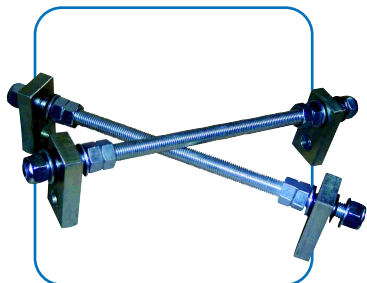
ND	L	AXIAL	TRANSVERSAL	ANGULAR	Kgs.
3/4"	200	-22 +6	22	30	0,80
1"	200	-22 +6	22	25	1,10
1.1/4"	200	-22 +6	22	25	1,40
1.1/2"	200	-22 +6	22	20	1,70
2"	200	-22 +6	22	15	2,40
2.1/2"	225	-22 +6	22	12	4,10
3"	225	-22 +6	22	10	5,30

Ø NOMINAL	HIGHEST TEMPERATURE AND WORKING PRESSURE					
	50°C	55°C	60°C	70°C	80°C	90°C
All sizes	10 BAR	9 BAR	7 BAR	5 BAR	4 BAR	2 BAR

GENERAL CHARACTERISTICS:

- High resistance under pressure.
- Good tolerance of elonging and thermal deformations. Total absorbtion of vibrations and noises.
- Totally efficiency in lines of chemicals products, compatibles with the elastomer and in hot and cool water instalations.
- Low cost of installation and maintenance.

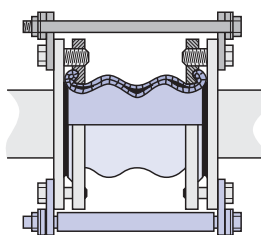
TIE RODS SET FOR PROINVAL PROFLEX® RUBBER EXPANSION JOINT



TIE RODS INCLUDE NUTS AND WASHER.

N° OF TIE RODS

ND	NP10	NP16
40	-	2
50	-	2
65	-	2
80	-	2
100	-	2
125	-	2
150	-	2
200	4	2
250	4	2
300	4	4
350	4	4
400	4	4
450	4	4
500	4	4
600	4	4



ASSEMBLY POSITION

DN	5	7	10	15
40	-	-	-	•
50	-	-	-	•
65	-	-	-	•
80	-	-	-	•
100	-	-	•	•
125	-	-	•	•
150	-	-	•	•
200	-	•	•	•
250	-	•	-	-
300	-	•	-	-
350	-	•	-	-
400	•	-	-	-
450	•	-	-	-
500	•	-	-	-
600	•	-	-	-

TIE RODS NECESSARY FOR CORRECT ASSEMBLY

