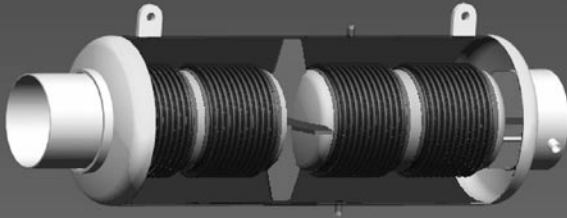


Pressure balanced axial expansion joint with automatic release mechanism



Type DRD

Designation

The designation consists of two parts:

1. the series, defined by 3 letters
2. the nominal size, defined by 9 digits

Example:

Type DRD: HYDRA pressure balanced axial expansion joint

Standard version/materials:

multi-ply bellows: 1.4541

operating temperature: up to 300°C

Designation (example):

D	R	D	2	5	.	0	4	0	0	.	4	0	0	1
Type	Nominal pressure (PN25)		Nominal diameter (DN 400)			Movement absorption, nominal ($\delta = \pm 200 = 400$ mm)			Inner sleeve (0 = without, 1 = with)					

Order text to Pressure Equipment Directive 97/23/EC

Please state the following with your order:

- for standard versions
-> order number
- for different materials
-> designation
-> details of materials

According to the Pressure Equipment Directive 97/23/EC, the following information is required for testing and documentation:

Type of pressure equipment according to Art. 1:

- vessel volume V [l]

- piping – nominal size DN

Medium property according to Art. 9:

- group 1 – dangerous
- group 2 – all other fluids

State of medium:

- gaseous or liquid, if $pD > 0.5$ bar
- liquid, if $pD < 0.5$ bar

Design data:

max. allowable pressure PS [bar]

max./min. allowable temperature TS [°C]

test pressure PT [bar]

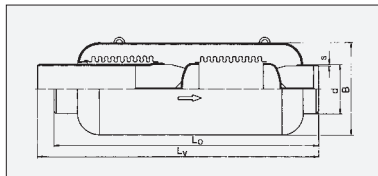
Optional:

category _____

Note: Tell us the dimensions that deviate from the standard dimensions and we can match the expansion joint to your specification.

PN 25

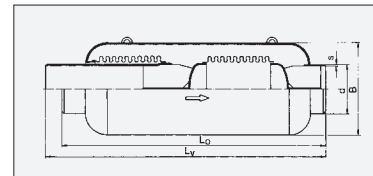
PN 40



Type DRD

PN 25

Nominal diameter	Nominal axial movement	Type DRD 25 ...	Total length		Weight approx.	Weld ends		Casing outside diameter	Adjusting force rate
			Unstressed	Pretensioned		Outside diameter	Wall thickness		
DN	2δ _N	–	L ₀	L _v	G	d	s	D	c _δ
–	mm	–	mm	mm	kg	mm	mm	mm	N/mm
400	400	.0400.400.1	2930	3130	800	406.4	7.1	609	175
500	400	.0500.400.1	3090	3290	1250	508.0	8.0	812	220
600	400	.0600.400.1	3110	3310	1600	609.6	10.0	914	285
700	400	.0700.400.1	3310	3510	2350	711.2	11.0	1120	350
800	400	.0800.400.1	3550	3750	3100	812.8	12.5	1220	370
900	400	.0900.400.1	3675	3875	4000	914.4	14.2	1420	460
1000	400	.1000.400.1	3790	3990	5000	1016.0	14.2	1520	590



Type DRD

PN 40

Nominal diameter	Nominal axial movement	Type DRD 40 ...	Total length		Weight approx.	Weld ends		Casing outside diameter	Adjusting force rate
			Unstressed	Pretensioned		Outside diameter	Wall thickness		
DN	2δ _N	–	L ₀	L _v	G	d	s	D	c _δ
–	mm	–	mm	mm	kg	mm	mm	mm	N/mm
400	350	.0400.350.1	3020	3195	950	406.4	10.0	609	290
500	350	.0500.350.1	3080	3255	1550	508.0	11.0	812	380
600	350	.0600.350.1	3290	3465	2150	609.6	14.2	914	495
700	350	.0700.350.1	3530	3705	3050	711.2	16.0	1120	650
800	350	.0800.350.1	3600	3775	3800	812.8	20.0	1220	800
900	350	.0900.350.1	3910	4085	5300	914.4	22.2	1420	870
1000	350	.1000.350.1	3950	4125	6100	1016.0	25.0	1520	1045