



# WIKATÜREN

## STAINLESS STEEL EXPANSION JOINT



### CONSTRUCTION

Annularly corrugated metal bellows formed from butt-welded tubes. Designed and manufactured fully in accordance with the respective "EJMA" standards and in conformity with the pressure and temperature ratings as per DIN 2401.

### MATERIALS

Bellows and internal sleeves (liners) made of stainless steel according to DIN 17440 bright. End connections either stainless steel or carbon steel. Other materials on request.

### CONNECTIONS

Flanges, male or female threaded ends, swivel unions, welding ends.

**NOMINAL DIAMETERS :**

DIN 25 (1") - DN 3600 (144")

### PRESSURE RATINGS

up to max 64 bar operation pressure depending on nominal diameter and operation temperature.

**TEMPERATURE RANGES :**

-196°C up to + 800°C depending on the material

### OPERATION APPLICATIONS

Compensation of thermal and mechanical movements in pipelines of all kinds. please consult us for advise on applications, specifications and installation.

### KONSTRUKTION

Ringförmig gewedllte Metallbakje aus stumpfgeschweissten Rohren geformt. Ausiegung und Fertigung entsprechend den EJMA Normen sowie in Ubereinstimmung mit den Druck und Temperatur Angaben gemass DIN 2401

### MATERIALIEN

Faltenbalge sowie innere Schutzhulsen (Führungsbuchse) aus nichtrostendem Edlestahi gemass DIN 17440 blank. Anschlusse aus nichtrostendem Edlestahl oder unlegiertem Stahi andere Materialien auf Anfrage

### ANSCHLUSSE

Flansche. Innen. Oder Aussengewinde Überwurfmuttern. Schweissenden.

### NENNWEITEN

DN 25 (1') DN 3600 (144')

### DRUCKBEREICHE

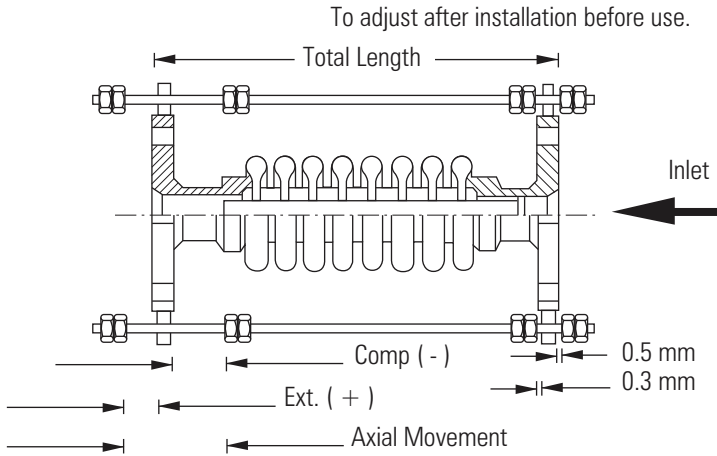
bis max 64 bar Betriebsdruck abhängig von der nennweite und der Betriebstemperatur

### OPERATION APPLICATIONS

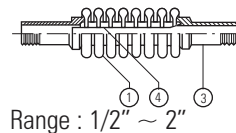
- 196°C bis + 800°C Material abhängig

### ANWENDUNGSBEREICHE

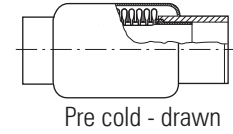
Ausgleich von thermischen und mechanischen Bewegungen aller Art  
Nutzen Sie unsere Beratung bezüglich Anwendung, Einsatz und installation



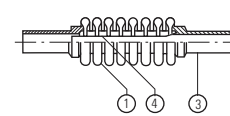
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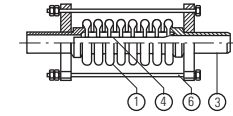
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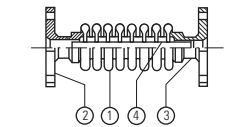
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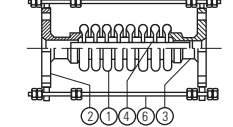
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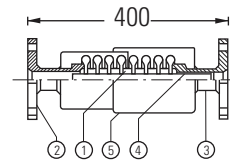
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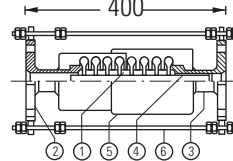
40 SG



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MATERIALS

NO.	PART NAME	MATERIAL
1	Bellows	SUS-304/SUS-316/SUS-321
2	Flange	SS-41 SUS-304/SUS-316
3	Tube end	STPG-38 SUS-304
4	Internal sleeve	SUS-304 SUS-304/SUS-316
5	External cover	SS-41 SUS-304
6	Tie rods	S-25C SUS-304

DIMENSIONS

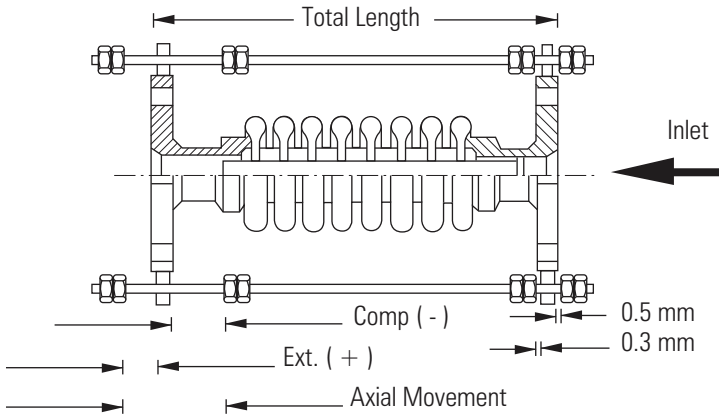
SIZE		TOTAL LENGTH	BELLOW				FACE TO COMPRESS	EFFECTIVE AREA	AXIAL MOVEMENT		WORKING PRESSURE
mm	inch		I.D.	O.D.	CORR'S NO.	LAYER			EXT.	COMP.	
15	1/2"	350	16.0	25	36	1	34	5.4	+10	-40	25
20	3/4"	350	21.1	32	31	1	34	5.4	+10	-40	25
25	1"	350	26.7	38	28	1	31	8.2	+10	-40	25
32	1-1/4"	350	34.8	49	36	1	135	18.6	+10	-40	25
40	1-1/2"	350	43.2	58	32	2	75	17.6	+10	-40	25
50	2"	350	55.0	76	24	2	110	30.4	+10	-40	25
65	2-1/2"	350	68.0	92	20	2	261	43.8	+10	-40	25
80	3"	350	81.0	106	20	2	205	62.8	+10	-40	25
100	4"	350	103.5	133	16	2	303	107.7	+10	-40	25
125	5"	350	130.4	163	15	2	630	162.9	+10	-40	25
150	6"	350	158.8	190	14	2	1154	227.5	+10	-40	25
200	8"	350	213.0	252	13	3	1905	385.3	+10	-40	25
250	10"	350	268.6	315	12	3	1932	670.1	+10	-40	25
300	12"	350	319.0	366	12	3	2353	923.5	+10	-40	25
350	14"	350	355.6	398.1	9	4	2192	1102.0	+10	-40	25
400	16"	350	406.4	462.8	9	4	2689	1464.0	+10	-40	25
450	18"	350	457.2	513.6	9	4	3006	1829.0	+10	-40	25
500	20"	350	508.0	564.0	9	4	3322	2235.0	+10	-40	25
600	24"	350	609.6	666.0	9	4	3956	3167.0	+20	-25	25
700	28"	350	715	765	9	1	1985	4100	+10	-40	25
900	36"	350	904	966	6	2	352	6420	+5	-20	25



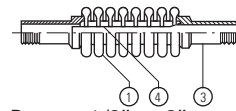
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To adjust after installation before use.

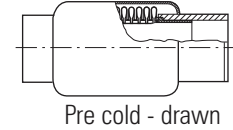


45 ST

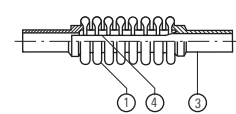


Range : 1/2" ~ 2"

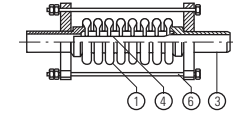
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45 SP



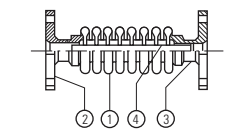
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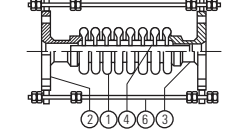
### MATERIALS

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3	Tube end	STPG - 38 SUS - 304
4	Internal sleeve	SUS - 304 SUS - 304 / SUS - 316
5	External cover	SS - 41 SUS - 304
6	Tie rods	S - 25C SUS - 304

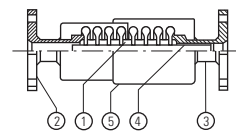
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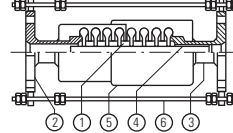
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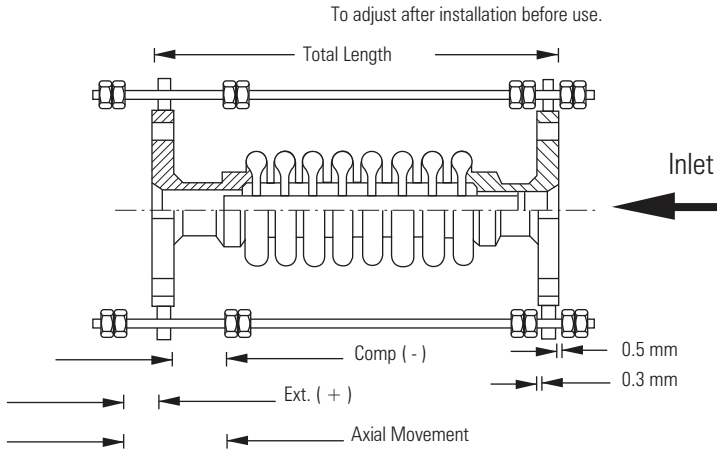
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SIZE		TOTAL LENGTH	BELLOW				FACE TO COMPRESS	EFFECTIVE AREA	AXIAL MOVEMENT		WORKING PRESSURE
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40	1-1/2"	450	43.2	58	32	2	75	17.6	+10	-65	25
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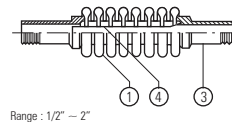
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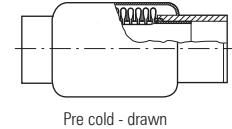
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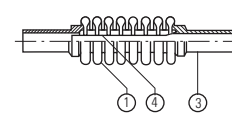
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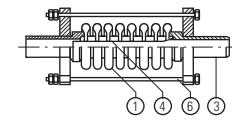
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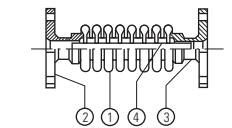
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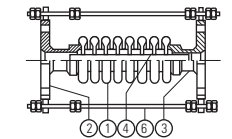
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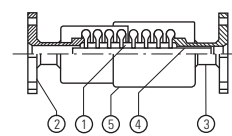
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50 SG



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