

# TEGUFLEX® P

## HP



## PROCESSING EQUIPMENT

EXPANSION JOINT MOULDED

### APPLICATIONS

Hot water, steam, hot air up to 130°

### ADVANTAGES

Compensate thermal elongation  
Isolate vibrations and absorb pressure surges  
Correct misalignments

### FLANGES

Turnable flanges in zinc plated carbon steel S235JR  
Other material: stainless steel 316, hot-dip galvanized, EPOXY painting, etc.  
EN 1092 PN6/10/16- ASME B16.5 150lbs. Other types on request.

### COMPLEMENTARY INFORMATION

BL = 130 mm  
Inner liner PTFE, vacuum ring (316Ti), flameguards, PTFE safety shields on request.

Type Approvals: DNV-GL and ABS  
PED (2014/68/EU)

### TECHNICAL DESCRIPTION

Inner tube: Black, fluted special EPDM

Reinforcement: Aramid

Cover: Black, smooth, weather and ozone resistant special EPDM

Working temperature: -35°C => 130°C.

Max 130°C at max WP 10 bar (≤ DN150) / 6 bar (>DN150) // Max  
100°C at max WP 16 bar (≤ DN150) / 10 bar (>DN150)

### STANDARD/APPROVAL

ABS

ABS

DNV

DNV

### LABELING



TRELLEBORG IZARRA IZARRA-ALAVA-SPAIN Batch number - Working pressure - Testing pressure - T  
MAX/MIN - DN - Month/Year



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VALUE IS PARAMOUNT

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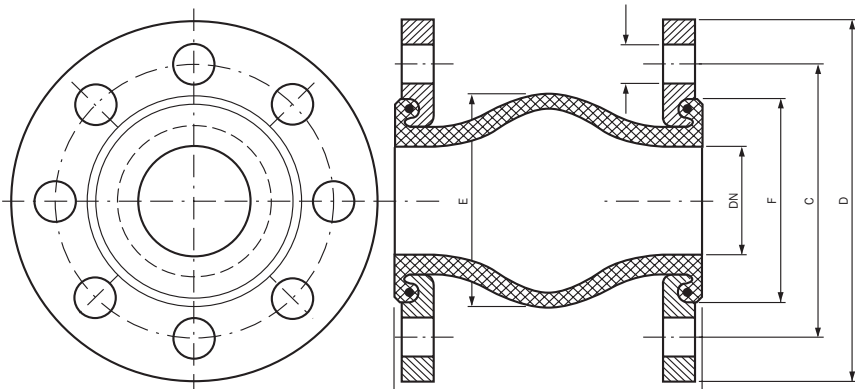
# TEGUFLEX® P HP

## DIMENSIONS & MOVEMENTS

| DN    | BL  | Eff. cross-sectional area Q | (E) | (F) | Permissible movements |            |         |         | Max. vacuum          |                   | Weight       |                      | Spring rates          |                      |                   |
|-------|-----|-----------------------------|-----|-----|-----------------------|------------|---------|---------|----------------------|-------------------|--------------|----------------------|-----------------------|----------------------|-------------------|
|       |     |                             |     |     | Compression           | Elongation | Lateral | Angular | Without support ring | With support ring | With flanges | With tie-rod flanges | Compression stiffness | Elongation stiffness | Lateral stiffness |
| mm    | mm  | cm <sup>2</sup>             | mm  | mm  | mm                    | mm         | mm      | °       | bar                  | bar               | kg           | kg                   | kg/cm                 | kg/cm                | kg/cm             |
| 25/32 | 130 | 35                          | 77  | 72  | 30                    | 20         | 20      | 35°     | 0.8                  | 1.0               | 2.8          | 4.5                  | 50                    | 75                   | 50                |
| 40    | 130 | 50                          | 85  | 80  | 30                    | 20         | 20      | 35°     | 0.8                  | 1.0               | 3.3          | 4.8                  | 50                    | 75                   | 50                |
| 50    | 130 | 74                          | 95  | 90  | 30                    | 20         | 20      | 35°     | 0.7                  | 1.0               | 3.7          | 5.0                  | 50                    | 75                   | 50                |
| 65    | 130 | 87                          | 110 | 105 | 30                    | 20         | 20      | 30°     | 0.6                  | 1.0               | 4.8          | 6.4                  | 50                    | 75                   | 50                |
| 80    | 130 | 120                         | 125 | 120 | 30                    | 20         | 20      | 30°     | 0.5                  | 1.0               | 5.3          | 7.5                  | 50                    | 75                   | 50                |
| 100   | 130 | 143                         | 145 | 140 | 30                    | 20         | 20      | 25°     | 0.5                  | 1.0               | 6.2          | 9.0                  | 65                    | 85                   | 65                |
| 125   | 130 | 210                         | 170 | 165 | 30                    | 20         | 20      | 25°     | 0.4                  | 1.0               | 8.2          | 11.2                 | 65                    | 85                   | 65                |
| 150   | 130 | 283                         | 195 | 190 | 30                    | 20         | 20      | 15°     | 0.3                  | 1.0               | 11.2         | 13.4                 | 75                    | 100                  | 75                |
| 200   | 130 | 525                         | 245 | 240 | 30                    | 20         | 20      | 15°     | 0.3                  | 1.0               | 16.8         | 19.4                 | 75                    | 100                  | 75                |
| 250   | 130 | 636                         | 295 | 290 | 30                    | 20         | 20      | 10°     | 0.2                  | 1.0               | 21.6         | 25.4                 | 100                   | 150                  | 100               |
| 300   | 130 | 897                         | 345 | 340 | 30                    | 20         | 20      | 10°     | 0.2                  | 1.0               | 30.1         | 33.1                 | 100                   | 150                  | 100               |

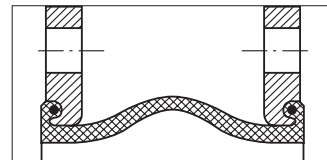
Note: Maximum values do not apply simultaneously. Stiffness values tolerance: +/- 20%.

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.



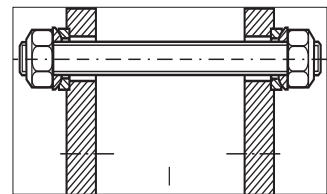
### U Type

Standard unit for axial, lateral and angular movements.



### L Type

Unit with tie bars for lateral movements.



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