

# TEGUFLEX® W YELLOW



**OIL & GAS**

EXPANSION JOINT MOULDED



## APPLICATIONS

Water, salt water, alkalis, mineral oils, vegetal and animal oils, oil aerosols, butane or propane gas, etc.  
Tank wagons, tankers and stationery structures for oil-based products and hydrocarbons with less than 50% aromatic content

## 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. DIN 28460 aluminium. Other types on request.

## COMPLEMENTARY INFORMATION

Inner liner PTFE, vacuum ring (316Ti/316L), flameguards, PTFE safety shields on request.

Safe for use in ATEX areas  
Type Approval: DNV-GL  
PED (2014/68/EU)

## TECHNICAL DESCRIPTION

Inner tube: Black, fluted Epichlorohydrin (ECO)

Reinforcement: Nylon cord

Cover: Black, smooth, oil resistant Epichlorohydrin (ECO)

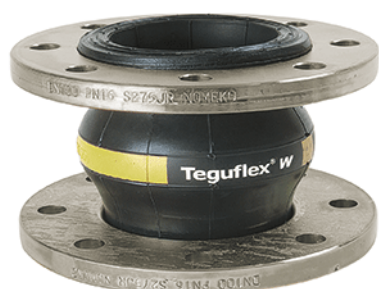
Working temperature: -25°C => 90°C.

Max 90°C at max WP 10 bar (≤ DN300) / 8 bar (>DN300) // Max 70°C at max WP 16 bar (≤ DN300) / 10 bar (>DN300)

## STANDARD/APPROVAL

DNV

DNV



## LABELING



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

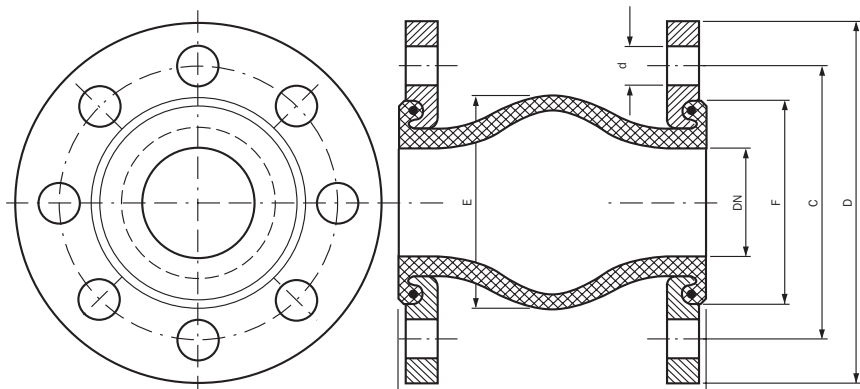
# TEGUFLEX® W YELLOW

## DIMENSIONS & MOVEMENTS

| DN    | BL  | Eff. cross-sectional area Q | (E) | (F) | Permissible movements |             |         |         | Max. vacuum          |                   | Weight       |                      | Spring rates           |                       |                   |
|-------|-----|-----------------------------|-----|-----|-----------------------|-------------|---------|---------|----------------------|-------------------|--------------|----------------------|------------------------|-----------------------|-------------------|
|       |     |                             |     |     | Com-pression          | Elonga-tion | Lateral | Angular | Without support ring | With support ring | With flanges | With tie-rod flanges | Com-pression stiffness | Elong-ation 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 | 150 | 24                          | 77  | 72  | 30                    | 20          | 20      | 35°     | 0.8                  | 1.0               | 3            | 4                    | 50                     | 75                    | 50                |
| 40    | 150 | 45                          | 85  | 80  | 30                    | 20          | 20      | 35°     | 0.8                  | 1.0               | 3            | 5                    | 50                     | 75                    | 50                |
| 50    | 150 | 46                          | 95  | 90  | 30                    | 20          | 20      | 35°     | 0.8                  | 1.0               | 4            | 6                    | 50                     | 75                    | 50                |
| 65    | 150 | 82                          | 110 | 105 | 30                    | 20          | 20      | 30°     | 0.8                  | 1.0               | 5            | 7                    | 50                     | 75                    | 50                |
| 80    | 150 | 110                         | 125 | 120 | 30                    | 20          | 20      | 30°     | 0.5                  | 1.0               | 6            | 8                    | 50                     | 75                    | 60                |
| 100   | 150 | 163                         | 145 | 140 | 30                    | 20          | 20      | 25°     | 0.5                  | 1.0               | 7            | 10                   | 65                     | 85                    | 65                |
| 125   | 150 | 228                         | 170 | 165 | 30                    | 20          | 20      | 15°     | 0.5                  | 1.0               | 8            | 12                   | 65                     | 85                    | 65                |
| 150   | 150 | 321                         | 195 | 190 | 30                    | 20          | 20      | 15°     | 0.5                  | 1.0               | 10           | 16                   | 75                     | 100                   | 75                |
| 200   | 200 | 549                         | 240 | 240 | 30                    | 20          | 20      | 15°     | 0.3                  | 1.0               | 15           | 24                   | 100                    | 150                   | 100               |
| 250   | 200 | 766                         | 295 | 290 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 20           | 34                   | 100                    | 150                   | 100               |
| 300   | 200 | 975                         | 345 | 340 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 24           | 45                   | 100                    | 150                   | 100               |
| 350   | 200 | 1290                        | 430 | 425 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 32           | 54                   | 100                    | 150                   | 100               |
| 400   | 200 | 1628                        | 475 | 470 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 45           | 71                   | 100                    | 150                   | 100               |
| 450   | 200 | 2054                        | 532 | 510 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 52           | 81                   | 150                    | 200                   | 150               |
| 500   | 200 | 2546                        | 590 | 560 | 30                    | 20          | 20      | 10°     | 0.3                  | 1.0               | 63           | 100                  | 150                    | 200                   | 150               |
| 600   | 200 | 3466                        | 685 | 655 | 30                    | 20          | 20      | 6°      | 0.3                  | 1.0               | 95           | 140                  | 175                    | 250                   | 175               |

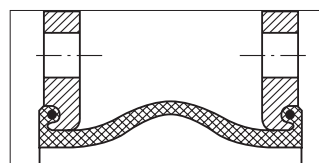
Note: Maximum values do not apply simultaneously. Stiffness values tolerance: +/- 20%.

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.



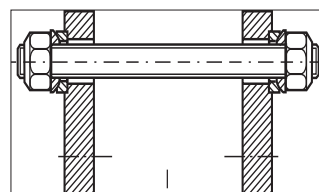
### U Type

Standard unit for axial, lateral and angular movements.



### L Type

Unit with tie bars for lateral movements.



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