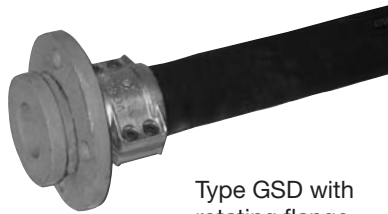


## Rubber industrial hose - type GSD

DN 6 - DN 250



Type GSD with male thread



Type GSD with rotating flange



Type GSD with fixed flange

### Structure type GSD

- Hose with integrated connection fittings
- Connection fittings as flange, male thread, female thread or coupling
- Fittings integrated by aluminium clamping shell

### Hose

- Smooth hose core and fabric patterned hose cover of synthetic rubber
- Reinforcements of galvanized steel wire cord, embedded in rubber for corrosion protection
- Electric resistance  $10^3$  to  $10^6$  ohm (DIN IEC 93, VDE 0303-30)

Rubber grade**	Trade name	Temperature*	Properties
EPDM Ethylene propylene diene rubber	Buna AP Keltan Vistaflon	up to + 110°C	Hot water, steam, acids, lyes
NBR Nitril-butadiene rubber	Perbunan	up to + 90°C	Mineral oil, fuel oil, gases, cooling water with antifreeze additive, petrol, fuels

\*Check or inquire about the reduction in pressure due to temperature change

\*\*Check or inquire about the resistance of the rubber grade to temperature and medium

### Applications

- for absorbing lateral movement and lifting movement
- for reducing thermal and mechanical stress
- as connection line for damping
  - vibration
  - sound transmission
- to compensate for
  - vibration
  - installation inaccuracies
- as elastic connection between
  - pumps
  - compressors
  - motors, etc.
- for domestic engineering applications

### Special versions

Other nominal widths and pressure ratings on request

### Threaded connections

#### Dimensions

- Female and male thread, in accordance with ISO 7-1, conical thread (pressure-tight joints made on the threads)
- Female and male thread, in accordance with ISO 228-1, cylindrical thread (pressure-tight joints not made on the threads)

#### Materials

- Threaded connections of malleable cast iron, red bronze or unalloyed steel
- Other materials (stainless steel or brass) on request

### Flange connections

#### Dimensions

- Fixed flanges, in accordance with DIN 2632 (PN 10) or in accordance with DIN 2633 (PN 16)
- Rotating flanges with rim, in accordance with DIN 2673 (PN 10)

#### Materials

- Flanges made of steel 1.0038 (RSt 37-2), 1.0460 (C 22.8), electro-galvanized
- Other materials and flange connections on request

### Version



STENFLEX Type GSD

### Quick-acting couplings

- Type Storz
- Type Camlock

## Hose with threaded connection, standard program

DN	Hose			Screwed unions				Weights		Hose approx. kg/m
	Ø DA Hose outer Ø approx. mm	Ø DI Hose inner Ø approx. mm	R Bend radius without helix approx. mm	Ø G Thread Ø inch	Ø d Inner Ø fitting mm	E Clamping shell length mm	F Clamping shell width mm	*Clamping shell and union nut approx. kg	*Clamping shell and nipple with fixed male thread approx. kg	
20	32	19	100	G 3/4"	16	65	50	0,40	0,48	0,83
25	38	25	120	G 1"	22	72	50	0,56	0,66	1,02
32	45	32	150	G 1 1/4"	28	79	50	0,70	0,82	1,27
40	53	38	180	G 1 1/2"	34	83	50	0,84	0,92	1,71
50	65	51	240	G 2"	46	104	57	1,42	1,52	2,17

\*Weights refer to max. weight for 2 connections

## Hose with flange connection, standard program

DN	Hose			Loose and fixed flanges				Weights		Hose approx. kg
	Ø DA Hose outer Ø approx. mm	Ø DI Hose inner Ø approx. mm	R Bend radius without helix approx. mm	Ø D Flange outer Ø mm	Ø d Inner Ø fitting mm	E Clamping shell length mm	F Clamping shell width mm	*Clamping shell and rotating or fixed flange approx. kg		
20	32	19	100	105	16	65	50	2,6	0,83	
25	38	25	120	115	22	72	50	3,4	1,02	
32	45	32	150	140	28	79	50	4,6	1,27	
40	53	38	180	150	34	83	50	5,6	1,71	
50	65	50	240	165	46	104	57	7,2	2,17	

\*Weights refer to max. weight for 2 connections

## Standard structural lengths, incl. connection fittings

DN	mm	mm	mm	mm
20	300	500	750	1000
25	300	500	750	1000
32	-	500	750	1000
40	-	500	750	1000
50	-	500	750	1000

Other lengths possible up to 40 m

## Note

**Tolerable movement results from the corresponding hose length, hose type and tolerable bend radius.**

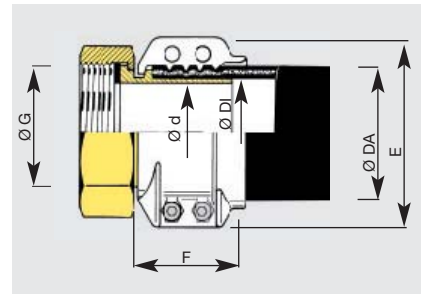
Please comply with the technical instructions in the description and installation instructions.

Subject to technical alterations and deviations resulting from the manufacturing process.

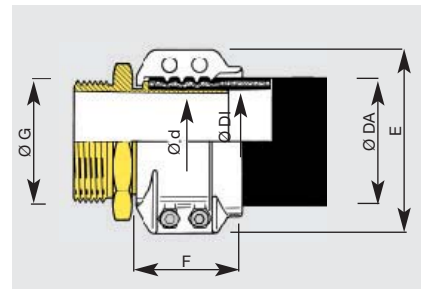
## Hose pressure ratings

DN	tol. operating pressure at +20° C bar	test pressure bar	tol. vacuum
20	16	25	-
25	16	25	-
32	16	25	-
40	16	25	-
50	16	25	-

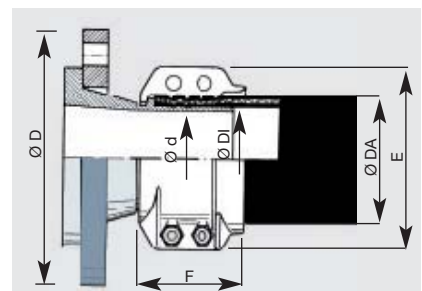
## Connection versions



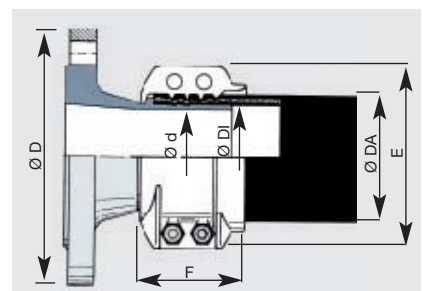
Union nut, with female thread (ISO 228-1), (pressure-tight joints not made on the threads)



Nipple with fixed male thread (ISO 228-1), (pressure-tight joints not made on the threads)



Flange connection with rim/rotating flange



Flange connection with fixed flange