

## Stainless steel convoluted hose - type EWS

DN 6 - DN 250



Type EWS-0  
with male thread



Type EWS-1  
with female thread



Type EWS-2  
with welding end

### Structure type EWS

- Vacuum-resistant convoluted hose with integrated connection fittings
- Fittings connected by welding/soldering
- Convoluted hose, parallel convolutions
- Connection parts with flange, welding ends, male and/or female thread
- 3 hose versions:
  - Type EWS-0 without braid
  - Type EWS-1 with single reinforcement braid
  - Type EWS-2 with double reinforcement braid

### Convoluted hose

Material quality**	Material No. according to DIN EN	Temperature*	Properties
Stainless steel	1.4541	-196°C	Low temperatures, acids, lyes, steam, gas, fertilizer, chloride media, oil, soap, drinking water, food products, petrol
	1.4404	up to +550°C	
	1.4571	+550°C	

\*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

### Braid

Material quality**	Material No. according to DIN EN	Abbreviation according to DIN EN
Stainless steel	1.4301	X5CrNi18-10

### 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

- Thread connections made of malleable cast iron, bronze or unalloyed steel
- Other materials, such as stainless steel on request

### Welding ends

#### Materials

- Welding ends of steel 1.0037 (St 37-2) or 1.0305 (St 35.8)
- Other materials, such as stainless steel, on request

### Flange connections

#### Dimensions

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

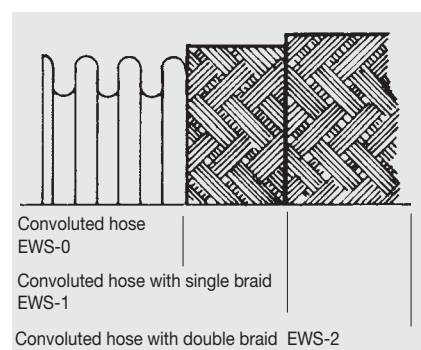
#### Materials

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

### Special versions

Other nominal widths and connections (e.g. quick couplings) on request

### Versions



Convoluted hose EWS-0

Convoluted hose with single braid EWS-1

Convoluted hose with double braid EWS-2

### Applications

- for absorbing lateral movement and lifting movement
- for absorbing high-frequency movement (vibration)
  - at pumps
  - at compressors
  - at motors
- for high operating pressures
- universal, flexible connections for industrial use
  - in chemical plant
  - in the petrochemical industry
  - in refrigerating systems
- in domestic engineering
  - connections to standpipes
  - flexible connection for ceiling elements to air-con systems
- for filling
  - gases
  - chemicals
  - oil
  - air

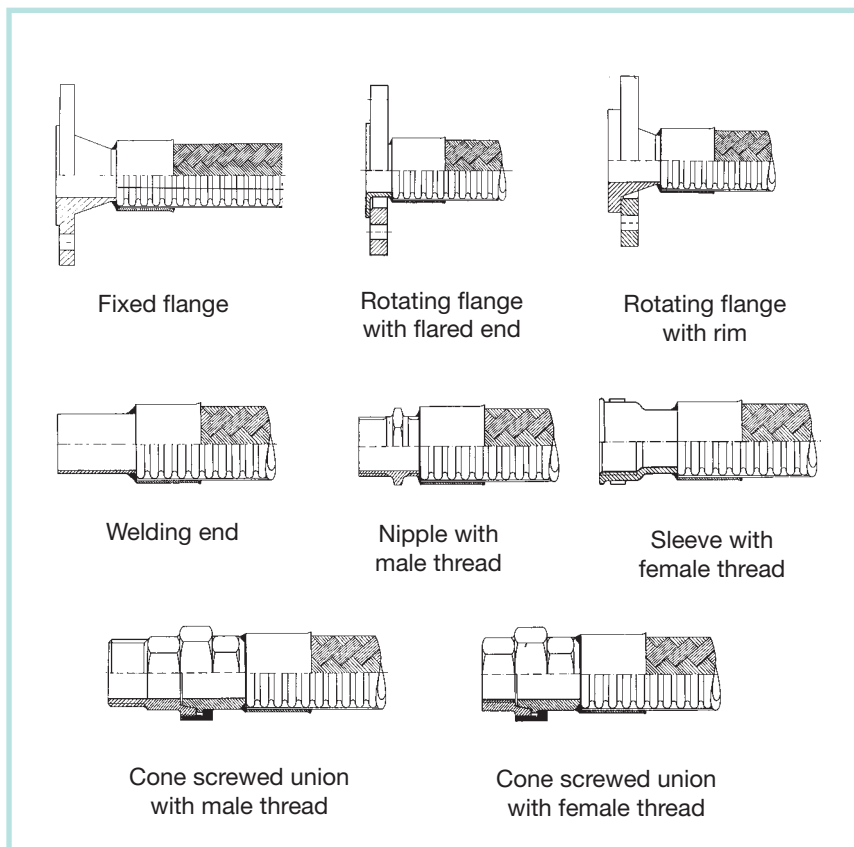
## Hose pressure ratings

DN	Tol. operating pressure at +20°C (bar)		
	EWS-0	EWS-1	EWS-2
6	10	167	220
8	8	120	160
10	5	85	125
12	5	85	125
15	3,5	70	120
20	3	70	90
25	2,5	50	80
32	1,5	40	55
40	1,2	35	50
50	1	30	45
65	0,75	26	45
80	0,5	20	35
100	0,5	18	30
125	0,35	11	20
150	0,3	11	20
200	0,25	7	10
250	0,2	9	-

## Note

Please comply with the technical instructions in the general description of the hoses and in the installation and operating instructions. Subject to technical alterations and deviations resulting from the manufacturing process.

## Connection types



## Hose dimensions/bend radius standard program

DN	Type EWS-0			Type EWS-1			Type EWS-2		
	Outer ø approx. mm	Bend radius		Outer ø approx. mm	Bend radius		Outer ø approx. mm	Bend radius	
		Single movement	Frequent movement		Single movement	Frequent movement		Single movement	Frequent movement
6	10,1	12	80	12,5	21	80	14,6	21	90
8	12,5	14	90	14,6	24	90	16,7	24	110
10	15,9	17	100	18,0	29	100	20,1	29	125
12	19,2	20	120	21,3	34	120	23,4	34	140
15	22,8	26	140	24,9	44	140	27,0	44	170
20	27,0	32	160	29,1	53	160	31,2	53	190
25	33,0	38	180	35,1	64	180	37,2	64	220
32	42,0	47	210	44,7	79	210	46,8	79	250
40	52,0	59	240	54,7	98	240	56,8	98	290
50	63,0	72	280	65,7	120	280	67,8	120	340
65	80,0	90	330	82,7	150	330	84,8	150	400
80	97,0	108	460	100,6	180	460	102,7	180	550
100	119,0	131	530	122,6	218	530	124,7	218	640
125	145,6	189	800	150,4	315	800	152,5	315	960
150	173,2	216	1050	178,0	360	1050	180,1	360	1260
200	227,0	281	1300	231,8	468	1300	233,9	468	1690
250	280,3	335	1700	285,1	558	1700	287,2	558	2200