

# Tiflex Hose WR type

\* WR type is right-handed.

## Features

- Excels in pressure resistance with its working pressure 1.0MPa {10.2kgf/cm<sup>2</sup>} (In case of outer tube caulking or inner tube expansion metal fitting.)
- Excels in abrasion resistance by use of special material for inner layer.
- Long lengths available making efficiency upgrading of piping work possible.

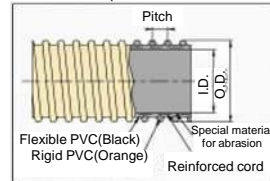
## Applications

- Suction and discharge of muddy water such as muddy water shield and reverse.
- Muddy water suction and pressure discharge in civil engineering work.
- Suction and discharge in case that pressure resistance and abrasion resistance are required.

Hose



Structure (Cross-Section View)



Dimension and property (WR-□)

Nominal Dia. (φ)	I.D. (mm)	O.D. (mm)	Pitch (mm)	Working Pressure (20°C) MPa or less/ [kgf/cm <sup>2</sup> or less]	Deformation Temp. (-0.1MPa/-760mmHg) (°C)	Allowable Bending Radius (mm or more)	Ref. Weight (g/m)	Std. Length (m)
38	38.1±0.5	52.3	9.0	1.00 [10.2]	65	400	960	50
50	50.8±1.0	66.8	10.0	1.00 [10.2]	65	450	1,300	20, 50
65	63.5±1.0	81.8	14.3	1.00 [10.2]	65	550	1,700	
75	76.2±1.0	97.0	15.1	1.00 [10.2]	65	750	2,200	
100	101.6±1.5	128.0	16.5	1.00 [10.2]	65	1,250	4,180	20, (50)
125	127.0±2.0	156.1	22.0	1.00 [10.2]	60	1,500	5,320	
150	152.4±2.0	187.0	24.0	1.00 [10.2]	60	2,000	7,260	
200	203.0±2.0	245.0	25.0	1.00 [10.2]	60	2,250	11,800	10, 20
(250)	254.0±2.5	300.0	27.0	1.00 [10.2]	50	4,000	18,230	5
(300)	304.8±2.5	351.0	28.0	0.50 [5.1]	50	5,000	21,320	

( ) are custom-made products.

Working pressure is different depending on fitting method of metal fixture and band.  
(Thorough care should be observed when fitting at work sites.)

Working pressure by fitting method of WR type and metal fixture.

Unit: MPa {kgf/cm<sup>2</sup>}

Nominal Dia. (φ) Fitting Method	Unit: MPa {kgf/cm <sup>2</sup> }						
	75 or less	100	125	150	200	250	300
R-Power Band Welding	1.00 [10.2]	1.00 [10.2]	1.00 [10.2]	0.7 [7.1]	0.50 [5.1]	0.50 [5.1]	0.30 [3.1]
Outer Tube Caulking	1.00 [10.2]	1.00 [10.2]	1.00 [10.2]	1.00 [10.2]	1.00 [10.2]	—	—
Inner Tube Expansion	1.00 [10.2]	1.00 [10.2]	—	1.00 [10.2]	1.00 [10.2]	1.00 [10.2]	0.50 [5.1]

\* For the hose elongation rate due to pressure, please refer to P70.

\* For the temperature dependence of the allowable pressure, please refer to P71.

\* For R-power band tightening torque, please refer to P71.



WR type, Outer Socket Caulking



WR type, R-Power Band Tightening and Welding

