

Pressure and Stretch Rate

Item Name	Diameter (ϕ)	Hose Stretch Rate (%)				
		0.2MPa (2kgf/cm ²)	0.4MPa (4kgf/cm ²)	0.6MPa (2kgf/cm ²)	0.8MPa (8kgf/cm ²)	1.0MPa (10kgf/cm ²)
Tiflex Hose WR type	38	0.3	0.4	0.5	0.7	0.7
	50	0.4	0.6	0.7	0.8	0.8
	65	0.3	0.4	0.5	0.7	0.8
	75	0.3	0.5	0.6	0.7	0.8
	100	1.0	1.4	1.6	1.9	2.1
	125	1.2	2.0	2.5	2.8	2.9
	150	1.6	2.5	2.7	3.3	3.5
	200	2.1	2.8	3.2	3.8	4.0
	250	2.3	3.2	3.4	4.2	4.5
	300	2.8	3.2	3.5	4.2	4.5
Tiflex Hose WS type	25	3.4	4.3	4.9	—	—
	32	3.7	5.3	7.0	—	—
	38	1.6	3.4	4.4	—	—
	50	2.2	3.2	4.8	—	—
	65	2.0	4.0	8.4	—	—
	75	2.0	3.0	6.1	—	—
	100	1.6	4.4	8.7	—	—
	125	1.7	2.9	—	—	—
	150	2.5	3.4	—	—	—
	200	2.5	4.3	—	—	—
	250	2.7	5.0	—	—	—
	300	3.2	6.0	—	—	—
Tiflex Hose F-3 type	25	3.9	8.9	14.2	—	—
	32	4.3	11.1	15.1	—	—
	38	6.0	13.6	—	—	—
	50	5.2	12.6	—	—	—
	65	7.4	14.3	—	—	—
	75	7.3	15.7	—	—	—
	100	9.5	—	—	—	—
	125	11.5	—	—	—	—
	150	13.1	—	—	—	—
	200	14.1	—	—	—	—
Item Name	Diameter (ϕ)	Hose Stretch Rate (%)				
		0.5MPa (5kgf/cm ²)	1.0MPa (10kgf/cm ²)	1.5MPa (15kgf/cm ²)	2.0MPa (20kgf/cm ²)	
Tiflex Hose FC type	38	0.4	0.6	0.8	—	—
	50	0.4	0.7	1.0	—	—
Tiflex Hose WR-S type	100	1.7	2.0	2.1	2.2	—
	150	2.5	2.8	3.0	3.3	—
	200	2.6	3.2	3.3	3.6	—

※ Above data show a stretch rate of length direction by applying water pressure into a hose under normal temperature and under straight pipe condition.

※ Above data is not the standard value, but the test value.

- These descriptions can be altered for a reason of improvement without any notification.
- These descriptions shall be as of December 1, 2011.

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