

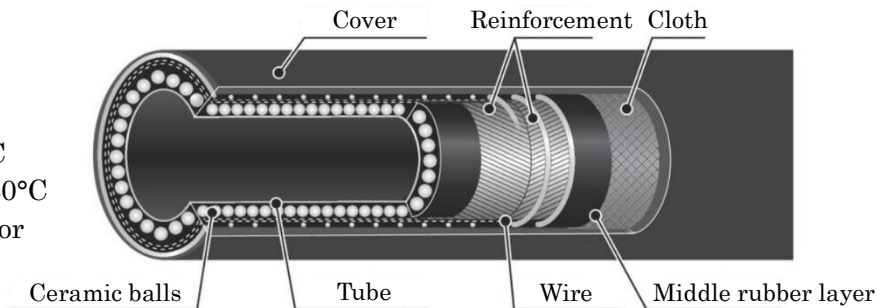
CERAMIC HOSE

CERAMIC HOSE has a long operating life by using on the areas where there is highly abrasion which is limited by conventional rubber hoses.

ABRASION RESISTANT HOSE CONTAINING CERAMIC BALLS

< Specifications / Construction >

- Fluids : Sand, Steel grit, Cement, Fines such as Iron core, Rocks etc.
- Fluid temperature : -20°C to +80°C
- Ambient temperature : -10°C to +60°C
- Appearance : Smooth with texture or bellows with texture



Nominal Size	I.D. (mm)	O.D. (mm) ※Reference	Reinforcement	Max Working Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (kg/m)	Max Length(m)		
							BLT type	NPL type	BH type
25	25.4	47.2	2P×1W	1.0	300	1.9	10	10	10
32	31.8	53.6	2P×1W	1.0	380	2.3			
38	38.1	59.9	2P×1W	1.0	480	2.6			
50	50.8	73.4	2P×1W	1.0	600	3.5	20	20	20
65	63.5	89.1	2P×1W	1.0	780	4.9			
75	76.2	102.8	2P×1W	1.0	900	5.9			
90	88.9	116.7	2P×1W	1.0	1,080	7.3			
100	101.6	130.8	2P×1W	1.0	1,200	8.4			
125	127.0	157.4	4P×1W	1.0	1,500	12.0			
150	152.4	186.4	4P×1W	1.0	1,800	16.1	10	10	—
200	200.0	242.2	6P×1W	1.0	2,400	24.8			
250	248.0	292.6	6P×1W	1.0	3,000	33.7			
300	298.0	346.2	6P×1W	1.0	3,600	43.0			

※The hose not containing ground wire is standard specification, but BLT type and BH type containing ground wire also can be manufactured.

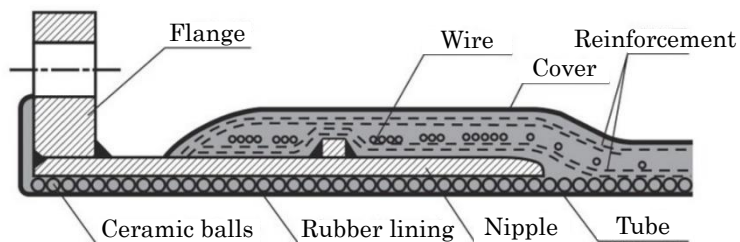
※Nominal size under 200 of BLT type can be manufactured up to max working pressure 2.0MPa.

※Approx. Weight indicates hose's weight only, not include the weight of couplings.

< Shapes of the hose end >

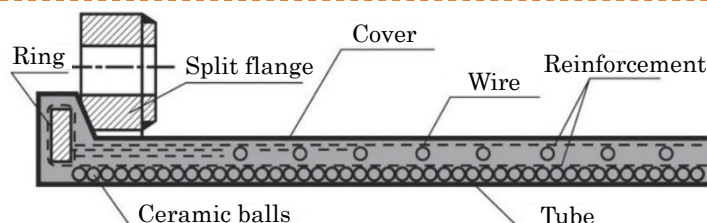
- With joint metal fitting

BLT type



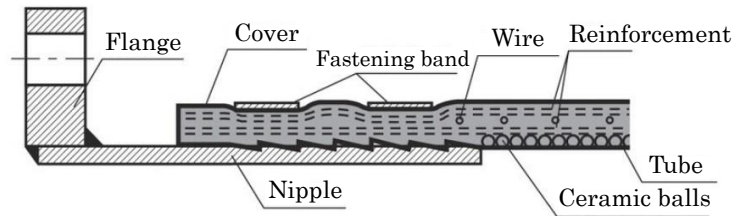
Inner part of the coupling is rubber lined to reduce an abrasion of the nipple by fluid. Fixed flange and loose flange are provided.

NPL type



The nipple is not required because the hose end is reinforced strongly by the ring. Free rotation split flange is suited to connect to the short piping.

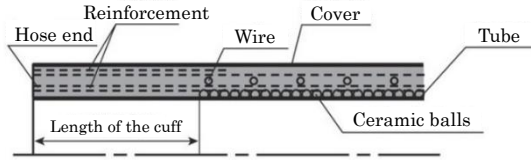
BH type



● Hose without coupling

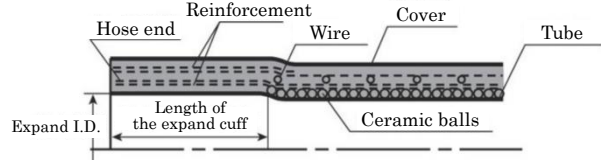
ES type

Straight cuff



EL type

Expand cuff



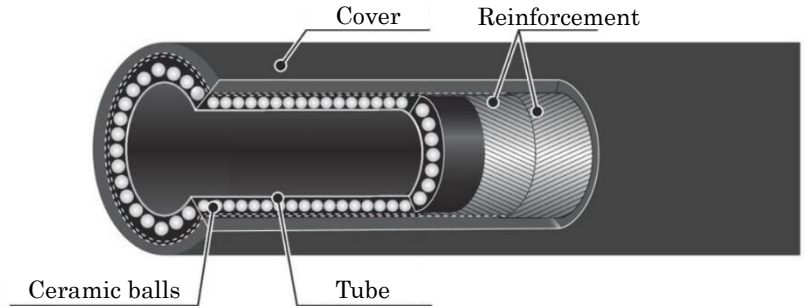
※Please specify expand I.D. and length of the cuff to TOGAWA RUBBER.

※There is no ceramic ball in the cuff part.

SAND BLAST HOSE CONTAINING CERAMIC BALLS

<Specifications>

- Fluids : Fines such as sand
- Fluid temperature : -20°C to +80°C
- Ambient temperature : -10°C to +60°C
- Appearance : Smooth with texture



Nominal Size	I.D. (mm)	O.D. (mm) ※Reference	Reinforcement	Max Working Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (kg/m)	Max Length(m)
19	19.1	38.5	2P	0.7	300	1.3	10
25	25.4	43.0	2P	0.7	400	1.4	
32	31.8	49.2	2P	0.7	510	1.7	
38	38.1	55.5	2P	0.7	640	1.9	20
50	50.8	70.0	2P	0.7	800	2.6	
65	63.5	83.5	4P	0.7	1,040	3.5	
75	76.2	96.2	4P	0.7	1,200	3.8	
100	101.6	126.0	6P	0.7	1,600	5.8	

※The hose containing ground wire is standard specification.

※Approx. Weight indicates hose's weight only, not include the weight of couplings.



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