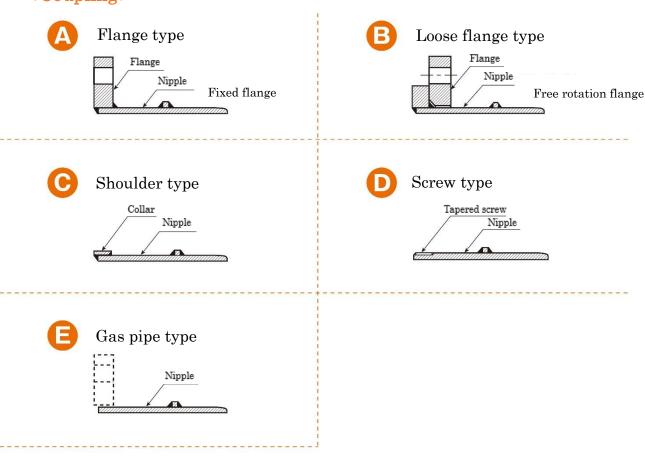
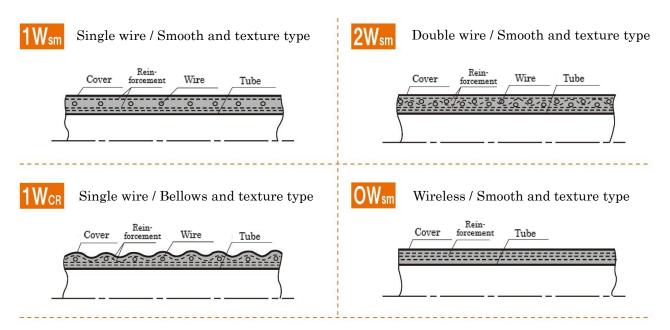
SUCTION AND DELIVERY HOSE

< Coupling>



 $\ensuremath{\mbox{\%}}$ Coupling made of SUS or other materials can be manufactured.

< Construction of hose>



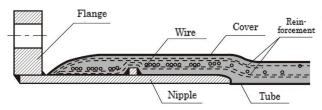
<Hose end>

Hose with coupling



Bandless type

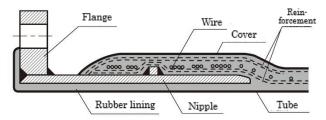
Hose end, the nipple of the coupling and the hose vulcanization-adhered together, is tough and easy to pipe connecting.





Built-in type

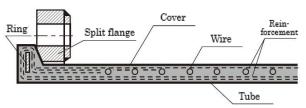
Rubber lined to resist to abrasion and erosion. Applicable to powder, ace or alkali conveying.





Nippleless type

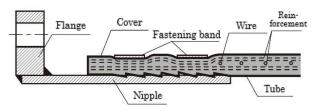
Since the hose end is firmly reinforced by the ring, a nipple is no required. Freely rotating split flange is easily connected to pipe. Applicable to connecting with a short hose.



BH

Band fastened type

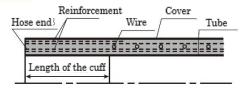
Used for low pressure hose such as general fluids or steam hose. According to application, special nipple and band are available.

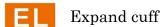


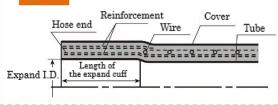
Hose without coupling



Straight cuff







- *Please specify expand I.D. and length of the cuff to TOGAWA RUBBER.
- *Acid resistant hose is manufactured having no reinforcement exposed at end of the hose.

<Manufactured range>

Hose	Max Working Pressure (MPa)	Shape of the hose end					
		BL	BLT	NPL	ВН		
Air Water Abrasion resistant Chemical Oil resistant Strong acid	0.5	25 to 300	25 to 300	25 to 300	25 to 150		
	1.0	25 to 300	25 to 300	25 to 300	25 to 75		
	1.5	25 to 300	25 to 300	-	25 to 65		
Oil resistant	2.0	25 to 300	25 to 300	<u> </u>			

- *Strong acid hose is manufactured from 25A to 200A.
- *The table indicates a manufactured range from min. size to max. size of the hose inner diameter. Some sizes can be manufactured 30m as a special length.
- **Oil resistant hose is needed to change its hose end depending on the content of aroma component and ambient temperature of oils such as general hydraulic oil, black fuel oil, crude oil and lubricating oil. Contact TOGAWA RUBBER as needed.
- *BL type is recommended when using a hose frequently replaced or a hard packing.

<Specifications>

Standard size : φ25 to φ300

(Strong acid hose : φ 25 to φ 200)

 $\rm \%In$ suction used, recommended range of working pressure is up to -0.08MPa.



Hose		Air hose		Water hose			
Part No.	AIR-05	AIR-10	AIR-15	WAT-05	WAT-10	WAT-15	
Max Working Pressure (MPa)	0.5	1.0	1.5	0.5	1.0	1.5	
Temperature	-20°C to +60°C			-20°C to +60°C			
Fluids	Air etc.			Industrial water, Cooling water, etc.			

Hose	Abra	sion resistant	hose	Chemical hose			
Part No.	ABR-05	ABR-10	ABR-15	CHM-05	CHM-10	CHM-15	
Max Working Pressure (MPa)	0.5	1.0	1.5	0.5	1.0	1.5	
Temperature	-20°C to +80°C			-20°C to +60°C			
Fluids	Cement, Sediment, Iron ore, Grain, etc.			Chemical agent etc.			

Hose	Oil resistant hose				Strong acid hose			
Part No.	OIL-05	OIL-10	OIL-15	0IL-20	ACD-05	ACD-10	ACD-15	
Max Working Pressure (MPa)	0.5	1.0	1.5	2.0	0.5	1.0	1.5	
Temperature	-20°C to +80°C				-20°C to +50°C			
Fluids	Crude oil, Heavy oil, Kerosene, etc.				Concentrated sulfuric acid, Concentrated hydrochloric acid, etc.			



TOGAWA RUBBER CO., LTD.

TEL: +81-6-6538-1261 FAX: +81-6-6531-3238

 $\hbox{E-mail: eigyo@togawa.co.jp} \quad \hbox{URL: http://www.togawa.co.jp}$