

We do coupling electropolishing!

For customers considering electropolishing their ferrule couplings

Increased corrosion resistance

Easier cleaning

Prevents contamination



The benefits of electropolishing

The greatest benefit that electropolishing brings is corrosion resistance. Other benefits include easier cleaning, and resistance to rust and other contaminants due to the smooth coupling surface that is created.

Corrosion resistance

Use sterilization in place (SIP) to prevent rusting!

Easy to clean

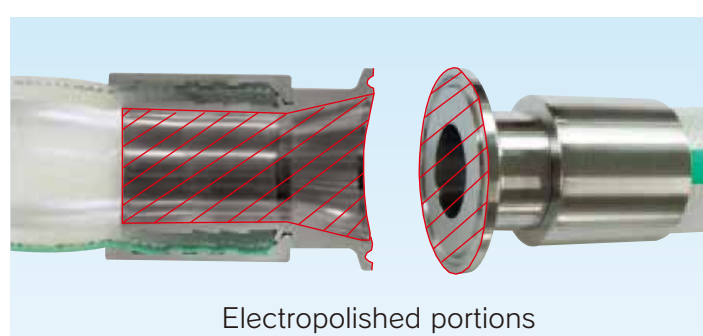
The smooth coupling surface makes cleaning faster and more efficient!

Prevents contamination

Greatly reduces residual liquids on the hose surface so bacteria cannot multiply!

About electropolishing

The surface of the coupling nipple material (SUS 316L) that comes into contact with fluids is buffed with #400 grit and then undergoes electropolishing



Compatible hose sizes

Fastening couplings and workplace couplings for hoses with an inner diameter of 19 to 50 mm.

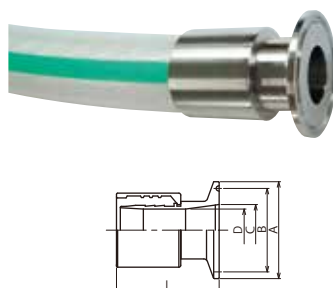
Note: May not be compatible with all hose sizes depending on the hose type. See the table below for detailed coupling information.

Electropolishing-compatible Couplings

Fastening coupling

TOYOSILICONE hose series standards

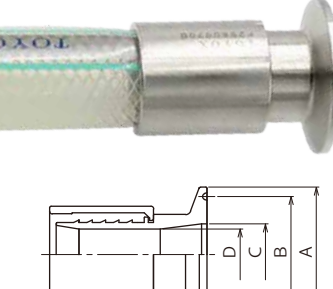
(Applicable Hose: TOYOSILICONE HOSE, HYBRID TOYOSILICONE HOSE, TOYOSILICONE-S HOSE, TOYOSILICONE-S2 HOSE, TOYOSILICONE-P HOSE)

Couplings Type	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)				
		ID mm	Part Number		A	B	C	D	L
HF type FERRULE couplings  FDA ※ TOYOSILICONE Hose series is registered with FDA RoHS2	HF-19-15A	19	TSI,TSIS, TSIS2, TSIP,HTSI	15A	34.0	27.5	17.5	16.5	54.0
	HF-19-1S			1S	50.5	43.5	23.0	16.5	54.0
	HF-25-1S	25	TSI,TSIS, TSIS2, TSIP,HTSI	1S	50.5	43.5	23.0	22.0	56.0
	HF-25-1.5S			1.5S	50.5	43.5	35.7	22.0	56.0
	HF-32-1.5S	32	TSI,TSIS, TSIS2,HTSI	1.5S	50.5	43.5	35.7	28.0	67.0
	HF-38-1.5S	38	TSI,TSIS, TSIS2,HTSI	1.5S	50.5	43.5	35.7	34.0	73.0
	HF-38-2S			2S	64.0	56.5	47.8	34.0	73.0
	HF-50-2S	50	TSI,TSIS, TSIS2	2S	64.0	56.5	47.8	46.0	75.0

Material / Hose nipple: SUS 316L, Coupling cover: SUS 304 ※ Product compliant with corrected RoHS2 regulations

TOYOFUSSO hose series standards


(Applicable Hose: TOYOFUSSO HOSE, TOYOFUSSO-S HOSE, TOYOFUSSO-E HOSE, TOYOFUSSO SOFT HOSE, TOYOFUSSO SOFT-S HOSE)

Couplings Type	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)					
		ID mm	Part Number		A	B	C	D	L	
HF type FERRULE couplings  RoHS2	HFB-19-15A	19	FF, FFS, FFE FFY, FFYS	15A	34.0	27.5	17.5	13.8	60.0	
	HFB-19-1S			1S	50.5	43.5	23.0	13.8	60.0	
	HFB-25-1S	25		1S	50.5	43.5	23.0	19.0	56.0	
	HFB-25-1.5S			1.5S	50.5	43.5	35.7	19.0	56.0	
	HFB-32-1.5S	32		FF, FFS	1.5S	50.5	43.5	35.7	25.5	70.0
	HFB-38-1.5S	38		FF, FFS, FFYS	1.5S	50.5	43.5	35.7	31.0	73.0
	HFB-38-2S				2S	64.0	56.5	47.8	31.0	73.0
	HFB-50-2S	50		FF	2S	64.0	56.5	47.8	43.0	75.0

Material / Hose nipple: SUS 316L, Coupling cover: SUS 304 ※ Product compliant with corrected RoHS2 regulations

ECORON hose series standards


(Applicable Hose: ECORON HOSE, ECORON-S HOSE)

Couplings Type	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)				
		ID mm	Part Number		A	B	C	D	L
HF type FERRULE couplings  RoHS2	HF-25-1S	25	EC, ECS	1S	50.5	43.5	23.0	22.0	56.0
	HF-38-1.5S			1.5S	50.5	43.5	35.7	34.0	73.0
	HF-50-2S			2S	64.0	56.5	47.8	46.0	75.0

Material / Hose nipple: SUS 316L, Coupling cover: SUS 304 ※ Product compliant with corrected RoHS2 regulations

TOYOFOODS hose series standards


(Applicable Hose: TOYOFOODS HOSE, HYBRID TOYOFOODS HOSE, TOYOFOODS-S HOSE, TOYORING-F HOSE) Note: Not included with HYBRID TOYOFOODS-N HOSE

Couplings Type	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)				
		ID mm	Part Number		A	B	C	D	L
HF type FERRULE couplings  RoHS2	HFA-25-1S	25	TFB, TFS, TGF	1S	50.5	43.5	23.0	19.0	56.0
	HFA-38-1.5S			1.5S	50.5	43.5	35.7	31.0	73.0
	HFA-50-2S			2S	64.0	56.5	47.8	43.0	75.0

Material / Hose nipple: SUS 316L, Coupling cover: SUS 304 ※ Product compliant with corrected RoHS2 regulations

FUSSOTHERMO-S100°C hose standards

(Applicable Hose: FUSSOTHERMO-S100°C HOSE)

Couplings Type	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)				
		ID mm	Part Number		A	B	C	D	L
HF type FERRULE couplings  RoHS2	HFC-12-10A	12	FSTH100C	10A	34.0	27.5	14.0	10.5	47.0
	HFC-15-15A			15A	34.0	27.5	17.5	13.5	47.0
	HFC-19-15A			15A	34.0	27.5	17.5	17.0	50.5
	HFC-25-1S			1S	50.5	43.5	23.0	22.6	52.5

Material / Hose nipple: SUS 316L, Coupling cover: SUS 304 ※ Product compliant with corrected RoHS2 regulations

※ Please specify the coupling type to be installed and the hose length to be integrated when you place an order.
※ Couplings are not sold singly.

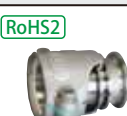
■ Hose Assembly permissible length range (Based on JIS B 8360)

Assembly length = mm	Tolerance = mm
Less than 500	+10 0
500 or more to less than 1000	+15 0
1000 or more to less than 2000	+20 0
2000 or more to less than 5000	+1.0% 0
5000 or more	+2.0% 0

Workplace couplings

TOYOCONNECTOR TC6-F


(Applicable Hose: TOYOFOODS HOSE, TOYOFOODS-S HOSE, TOYORING-F HOSE, ECORON HOSE, ECORON-S HOSE, TOYOFUSSO HOSE, TOYOFUSSO-S HOSE, TOYOFUSSO SOFT-S HOSE)

Couplings appearance	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)						
		ID mm	Part Number		L	φ d1	F	A	B	C	HEX2
 (Clamp type)	TC6-F32-1.5S	32	TFB, TFS, TGF, EC, ECS FF, FFS	1.5S	70.5	25.0	81.0	50.5	43.5	35.7	6
	TC6-F38-1.5S			1.5S	76.5	31.0	88.0	50.5	43.5	35.7	6
	TC6-F50-2S			2S	88.5	42.0	106.0	64.0	56.5	47.8	8

Material / Nipple: SCS16 (SUS316L equivalent), Clamp: SCS14 (SUS316 equivalent), Rubber cap: EPDM, Spacer, Washer (50 size only): Polyacetal Bolt: SUSXM7 (SUS304 equivalent), Bolt thread part lubricant: NSF "H1" registered grease (extreme-pressure grease) ※ Product compliant with corrected RoHS2 regulations

TOYOCONNECTOR TC6-FS

(Applicable Hose: TOYOSILICONE HOSE, HYBRID TOYOSILICONE HOSE, TOYOSILICONE-S HOSE)

Couplings appearance	Coupling Part Number	Applicable Hose		FERRULE Specifications	Dimensions (mm)						
		ID mm	Part Number		L	φ d1	F	A	B	C	HEX
 (Clamp type)	TC6-FS32-1.5S	32	TSI, HTSI, TSIS	1.5S	76.0	26.0	86.0	50.5	43.5	35.7	6
	TC6-FS38-1.5S			1.5S	81.0	32.0	94.0	50.5	43.5	35.7	6
	TC6-FS50-2S	50	TSI, TSIS	2S	93.5	44.0	113.0	64.0	56.5	47.8	8

Material / Nipple : SCS16 (SUS316L equivalent) , Clamp : SCS14 (SUS316 equivalent) , Sleeve : PVDF Bolt : SUSXM7 (SUS304 equivalent) , Spacer : PVDF, Washer (50 size only) : PEEK ※ Product compliant with corrected RoHS2 regulations