

# TOKYUFLEX™

*Stainless Steel  
Wire Braided  
Corrugated Hose*



*Exclusively distributed by:*

## UP-TOWN INDUSTRIAL SALES, INC

Up-Town Bldg., 56-58 Madison St., 1554 Mandaluyong City Tel. Nos. 631-8366 to 70 Fax No. 631-5290 or 96

BACOLOD BRANCH Door#7 RBM Building Araneta St. Singang Bacolod City Telefax# 034-434-2081	CAGAYAN DE ORO BRANCH Door#6 Vicky Tan Bldg. Zone 3 Kauswagan Road Cagayan De Oro City Telefax# 0882-723-835 DSL Tel# 088-8504367	CEBU CITY BRANCH Suite 102 Orient Bldg. Cor. Echavez & San Miguel St. Cebu City Fax# 032-233-9787 Tel# 032-233-9793	DAVAO CITY OFFICE Door#3 RNC Bldg.2 J.P. Laurel Avenue Bajada, Davao City Fax# 082-2212060 Tel# 082-221-0148
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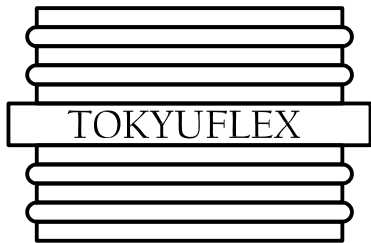
BUTUAN BRANCH  
Herodotus Chanjueco Apartment  
Agusan Colleges Compound  
Km.3 Libertad, Butuan City  
Telefax# 085-342-1787

ILIGAN CITY BRANCH  
Balan Building  
Quezon Avenue Extension  
Pala-O, Iligan City  
Telefax# 063-2215234

ORMOC CITY BRANCH  
18-20 San Pablo St.,  
Ormoc City  
Telefax# 053-561-9309

ZAMBOANGA CITY BRANCH  
311 Calle Paraiso  
Homes Tumaga  
Zamboanga City  
Telefax# 062-985-1293





# TOKYUFLEX™

## STAINLESS STEEL WIRE BRAIDED CORRUGATED HOSE

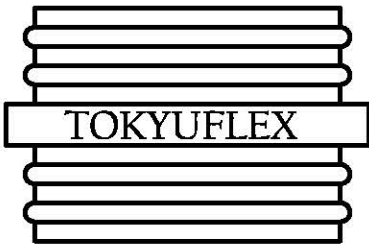
TYPE : STAINLESS STEEL 304

TYPE FSS-0 STAINLESS STEEL - UNBRAIDED  
 TYPE FSS-1 STAINLESS STEEL - ONE WIRE BRAID  
 TYPE FSS-2 STAINLESS STEEL - TWO WIRE BRAID

NOM I.D.		TYPE	MAX O.D.	MINIMUM C/L BEND RADIUS FOR		MAXIMUM WORKING PRESSURE AT 20 °C		APPROX. WEIGHT
mm	in.			FLEXING mm	STATIC BEND mm	MPa	P. S.I.	
6	1/4	FSS - 0	12.4	152	25	1.30	200	0.20
		FSS - 1	14.0			16.20	2350	0.33
		FSS - 2	15.5			22.74	3300	0.46
10	3/8	FSS - 0	17.5	178	38	0.86	125	0.30
		FSS - 1	19.0			13.03	1600	0.39
		FSS - 2	20.6			15.73	2425	0.48
12	1/2	FSS - 0	21.3	203	38	0.69	100	0.37
		FSS - 1	22.9			7.23	1050	0.49
		FSS - 2	24.4			11.53	1675	0.61
16	5/8	FSS - 0	25.4	229	51	0.56	85	0.67
		FSS - 1	27.9			6.21	900	0.86
		FSS - 2	29.2			9.65	1400	1.05
19	3/4	FSS - 0	31.2	254	51	0.52	75	0.75
		FSS - 1	32.8			5.17	750	2.40
		FSS - 2	34.3			7.93	1150	1.11
25	1	FSS - 0	38.9	279	76	0.26	32	1.20
		FSS - 1	40.4			3.78	550	1.53
		FSS - 2	41.9			5.86	850	1.87
32	1 1/4	FSS - 0	46.5	330	76	0.26	32	1.50
		FSS - 1	48.0			3.78	550	1.96
		FSS - 2	49.5			5.86	850	2.44
38	1 1/2	FSS - 0	55.6	356	102	0.17	27	2.23
		FSS - 1	57.2			3.44	500	2.83
		FSS - 2	58.7			5.34	775	3.42
50	2	FSS - 0	70.1	432	127	0.07	10	2.23
		FSS - 1	71.8			2.42	350	2.93
		FSS - 2	73.6			3.76	550	3.63
64	2 1/2	FSS - 0	81.8	508	203	0.67	10	2.23
		FSS - 1	83.3			2.42	350	3.09
		FSS - 2	85.1			3.76	550	3.86
75	3	FSS - 0	95.0	559	229	0.07	10	2.46
		FSS - 1	97.0			2.07	300	3.65
		FSS - 2	99.1			3.10	450	5.84
90	3 1/2	FSS - 0	109.2	635	305	0.06	8	2.83
		FSS - 1	111.3			1.73	250	4.02
		FSS - 2	113.3			2.42	350	5.21
100	4	FSS - 0	122.2	686	330	0.04	6	3.28
		FSS - 1	124.2			1.55	225	4.61
		FSS - 2	126.2			2.24	325	5.91
125	5	FSS - 0	152.4	787	457	0.03	4	4.47
		FSS - 1	155.7			1.38	200	7.30
		FSS - 2	159.0			2.07	300	9.53
150	6	FSS - 0	175.3	914	483	0.02	3	4.77
		FSS - 1	178.5			1.24	175	7.30
		FSS - 2	182.4			1.90	275	4.86
200	8	FSS - 0	228.6	1575	610	0.01	2	8.49
		FSS - 1	236.2			1.24	175	11.32
250	10	FSS - 0	279.4	1651	711	0.01	1	10.01
		FSS - 1	287.0			1.03	150	13.71
300	12	FSS - 0	279.4	1651	711	0.01	1	10.01
		FSS - 1	287.0			1.03	150	13.71

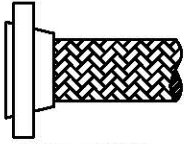
Remarks : Large size and different length available on request.

TEMPERATURE CORRECTIONS FACTORS FOR STAINLESS STEEL HOSE (DEGREES CELSIUS)															
TEMP.	20	93	150	200	260	315	375	425	480	525	590	650	700	760	800
FACTOR	1.00	0.94	0.88	0.83	0.78	0.74	0.70	0.66	0.62	0.60	0.58	0.55	0.50	0.44	0.40



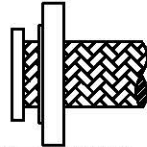
## FITTING FOR STAINLESS STEEL HOSE

ALL FITTINGS ARE SUITABLE FOR  
UNBRAIDED, SINGLE BRAIDED OR DOUBLE  
BRAIDED HOSE



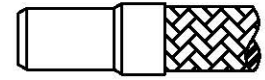
FIXED FLANGED

TYPE F - S STEEL  
TYPE F - SS STAINLESS STEEL  
TYPE F - B BRONZE



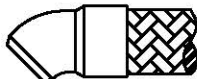
FLOATING FLANGE

TYPE FF - S STEEL STUB & STEEL FLANGE  
TYPE FF - SS S. STEEL STUB & STEEL FLANGE  
TYPE FF - B BRONZE STUB & STEEL FLANGE



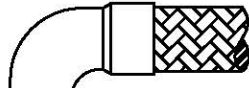
WELDING NIPPLE

TYPE W - S STEEL  
TYPE W - SS STAINLESS STEEL



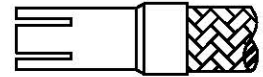
WELDING NIPPLE - 45°

TYPE W - 45 - S STEEL  
TYPE W - 45 - SS STAINLESS STEEL



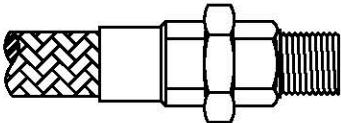
WELDING NIPPLE - 90°

TYPE W - 90 - S STEEL  
TYPE W - 90 - SS STAINLESS STEEL



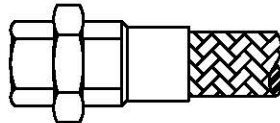
CLAMP ON

TYPE CO - S STEEL  
TYPE CO - SS STAINLESS STEEL  
TYPE CO - C COPPER



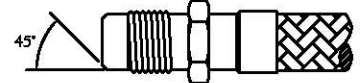
MALE UNION

TYPE MU - S STEEL  
TYPE MU - SS STAINLESS STEEL  
TYPE MU - B BRASS



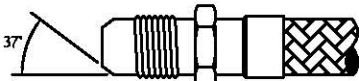
FEMALE UNION

TYPE FU - S STEEL  
TYPE FU - SS STAINLESS STEEL  
TYPE FU - B BRASS



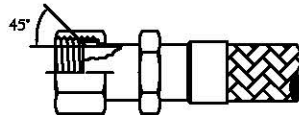
SAE MALE HEX PIPE NIPPLE

TYPE SAE - MH - S STEEL  
TYPE SAE - MH - SS STAINLESS STEEL  
TYPE SAE - MH - B BRASS



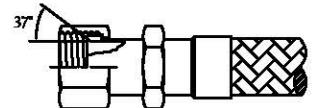
JIC MALE HEX PIPE NIPPLE

TYPE JIC - MH - S STEEL  
TYPE JIC - MH - SS STAINLESS STEEL  
TYPE JIC - MH - B BRASS



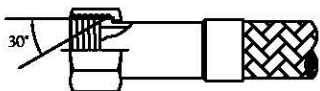
SAE SWIVEL FEMALE

TYPE SAE - SF - S STEEL  
TYPE SAE - SF - SS STAINLESS STEEL  
TYPE SAE - SF - B BRASS



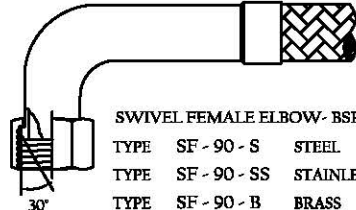
JIC SWIVEL FEMALE

TYPE JIC - SF - S STEEL  
TYPE JIC - SF - SS STAINLESS STEEL  
TYPE JIC - SF - B BRASS



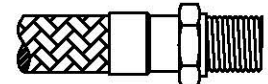
SWIVEL FEMALE - BSP

TYPE SF - S STEEL  
TYPE SF - SS STAINLESS STEEL  
TYPE SF - B BRASS



SWIVEL FEMALE ELBOW - BSP

TYPE SF - 90 - S STEEL  
TYPE SF - 90 - SS STAINLESS STEEL  
TYPE SF - 90 - B BRASS



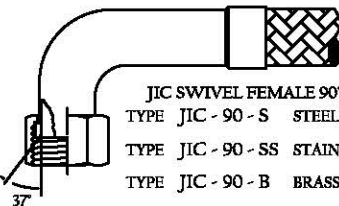
THREADED MALE HEX PIPE NIPPLE

TYPE MH - S STEEL  
TYPE MH - SS STAINLESS STEEL  
TYPE MH - B BRASS



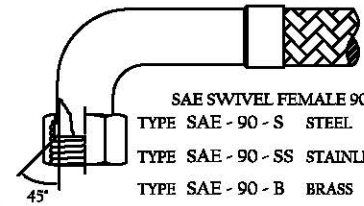
THREADED FEMALE COUPLING

TYPE FC - S STEEL  
TYPE FC - SS STAINLESS STEEL  
TYPE FC - B BRASS



JIC SWIVEL FEMALE 90°

TYPE JIC - 90 - S STEEL  
TYPE JIC - 90 - SS STAINLESS STEEL  
TYPE JIC - 90 - B BRASS



SAE SWIVEL FEMALE 90°

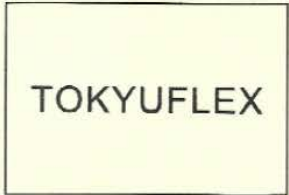
TYPE SAE - 90 - S STEEL  
TYPE SAE - 90 - SS STAINLESS STEEL  
TYPE SAE - 90 - B BRASS





# Certificate of Registration

Registration No.: 4-1999-003707  
Date of Registration: October 16, 2006  
Term : Ten (10) years (until October 16, 2016 )



TOKYUFLEX

Application No. : 4-1999-003707  
 Filing Date : May 27, 1999  
 Registrant : UP-TOWN INDUSTRIAL SALES, INC.  
 Registrant's Address : UP-TOWN BLDG., 56 MADISON ST., MANDALUYONG CITY  
 Class(es) : 06  
 Goods/Services : STAINLESS STEEL WIRE FLEXIBLE HOSE USED AS FLEXIBLE CONNECTION AND VIBRATION ISOLATOR ON EQUIPMENT AND PIPELINES INTENDED FOR ALL INDUSTRIAL PLANTS THAT HAVE SOMETHING TO DO WITH STEAM, OIL/FUEL LINE, AS WELL AS AIR AND WATER PIPE LINES.  
 Claim of Color : NONE  
 Disclaimer : NONE  
 Claim of Priority : NONE  
 Translation or Transliteration : NONE  
 Name of Examiner : MERLY M. GONZALES  
 Published for Opposition : IPO e-gazette, released on September 15, 2006

Signed in Makati City, Philippines on AUG 3 1 2007

  
**LENY B. RAZ**  
 Director  
 Bureau of Trademarks

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**BACOLOD BRANCH**  
 DOOR #7 RBM BUILDING  
 ARANETA ST. SINGCANG  
 BACOLOD CITY  
 TEL/FAX# 034-434-2081

**CAGAYAN DE ORO BRANCH**  
 DOOR #6 VICKY TAN BLDG.  
 ZONE 3 KAUSWAGAN ROAD  
 CAGAYAN DE ORO CITY  
 TEL/FAX# 08822-723-835  
 DSL Tel# 088-8504367

**CEBU CITY BRANCH**  
 SUITE 102 ORIENT BLDG.  
 COR. ECHAVEZ & SAN  
 MIGUEL ST. CEBU CITY  
 FAX# 032-233-9787  
 TEL.# 032-233-9793

**DAVAO CITY OFFICE**  
 DOOR #3 RNC BLDG.2  
 J.P. LAUREL AVENUE  
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