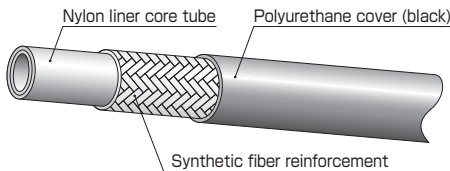


# LB70-LF70 Series

## LB70

### Features

- Improved flexibility by 15-25% (compared to our other equivalent types)
- High abrasion resistance
- Short total length of coupling enables compact piping



Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
LB70-02	02	1/8	3.6	7.5	7.0	1,000	28.0	4,000	10	37	Swage
LB70-04	04	1/4	6.4	10.5	7.0	1,000	28.0	4,000	27	60	
LB70-06	06	3/8	9.5	13.9	7.0	1,000	28.0	4,000	45	90	
LB70-08	08	1/2	12.7	17.4	7.0	1,000	28.0	4,000	70	120	
★ LB70-10	10	5/8	15.9	22.8	7.0	1,000	28.0	4,000	100	230	
LB70-12	12	3/4	19.2	26.6	7.0	1,000	28.0	4,000	130	270	
LB70-16	16	1	25.7	33.4	7.0	1,000	28.0	4,000	165	370	

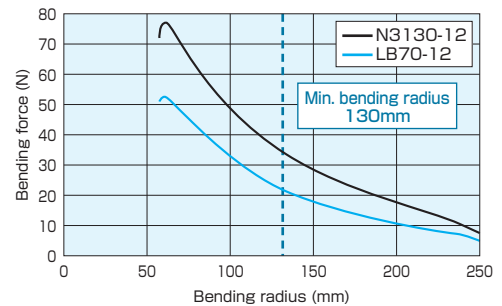
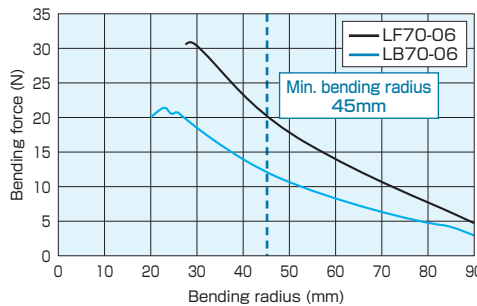
- Appropriate fluid : mineral general operating oil
- Working temperature range : -40 to +100°C (16 sizes only -40~+70°C)
- Length in a unit package : 100m for sizes 02, 04, 06, 08, and 50m for sizes 10, 12, 16

★Made-to-order

### Flexibility test

Starting from a 180° bend, bending radius of hose is gradually decreased on test equipment to compare bending radius against bending force.

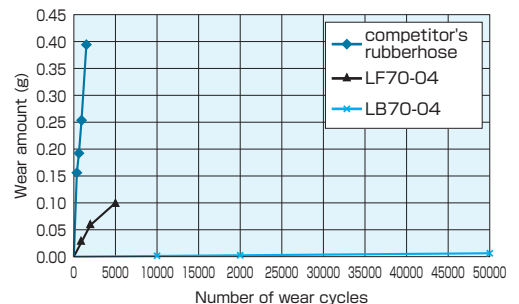
<Test conditions>  
Test speed : 100mm/min  
Temperature : 23°C



### Wear test (grindstone)

The weight of a 150mm length of hose is measured after one week in a room with constant temperature and humidity. Then, the hose is placed onto testing equipment, held by a rod at the bottom, with a grinding stone against the upper surface. The hose is subjected to a set number of wear cycles, after which it is again weighed (following a one week period in a room with constant temperature and humidity). The changes to the hose after testing are then examined to form a wear comparison.

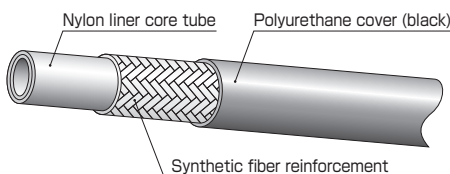
<Test conditions>  
Test load : 2.5kg Temperature : Room temperature (23°C) Stroke : 100mm  
Cycle : 20 times (RT)/min Grind stone : Grinding wheel for taper wear H-22 (particle size : Approx. 60)



## LF70

### Features

- Short total length of coupling enables compact piping



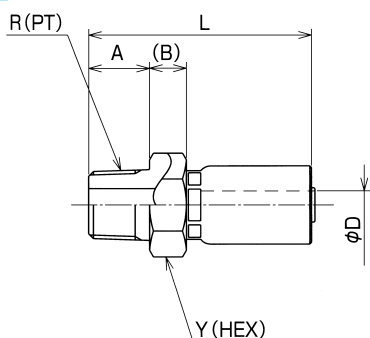
Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
LF70-04	04	1/4	6.4	10.3	7.0	1,000	28.0	4,000	27	60	Swage
LF70-06	06	3/8	9.5	13.9	7.0	1,000	28.0	4,000	45	90	
LF70-08	08	1/2	12.7	17.4	7.0	1,000	28.0	4,000	70	120	

- Appropriate fluid : mineral general operating oil
- Working temperature range : -40 to +100°C
- Length in a unit package : 100m

[Swage type]

(For LB70, LF70)

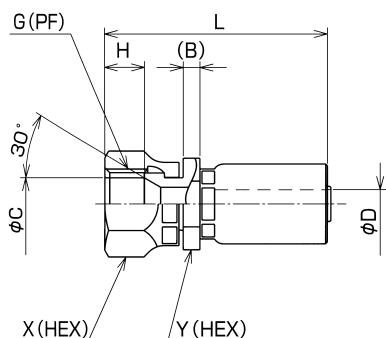
SA



Part No.	Size No.	R	A	B	Min. I.D. φD	L	Y (HEX)	Weight (g)	Pusher	Die
SSA-PT-02	02	1/8	10	6.5	1.8	38	14	15	PSA-02	SPLB70-02
SA-PT-04-14	04	1/4	13	8.5	3.5	50	19	43	PSA-04	SP14-04-07
SA-PT-06-14	06	3/8	15	9.0	6.8	54	22	72	PSA-06	SP14-06-07
SA-PT-08-14	08	1/2	18	10.0	9.5	61	27	115	PSA-08	SP14-08
SA-PT-10-N30	10	3/4	20	10.0	13.0	80	32	180	PSA-10	SP07-10
SA-PT-12	12	3/4	20	10.0	16.0	82	36	220	PSA-12	SP3-12
SA-PT-16	16	1	23	10.0	20.9	100	41	340	PSA-16	SP07-16

■ Material : steel  
 ■ Adapter : 030, 130

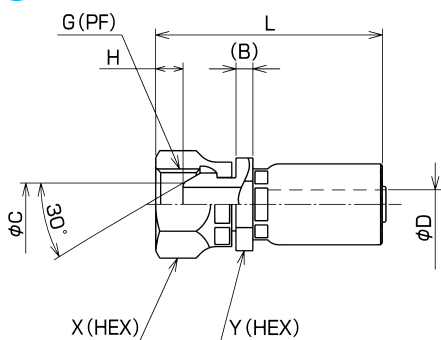
SE



Part No.	Size No.	G	B	C	Min. I.D. φD	H	L	X (HEX)	Y (HEX)	Weight (g)	Pusher	Die
SSE-PF-02	02	1/8	4.0	6.8	1.8	7.0	42	14	14	25	PSE-02-001	SPLB70-02
SE-PF-04-14	04	1/4	4.0	9.3	3.5	8.0	49	19	17	55	PSE-14-04	SP14-04-07
SE-PF-06-14	06	3/8	4.0	12.3	6.8	9.5	53	22	19	75	PSE-14-06	SP14-06-07
SE-PF-08-14	08	1/2	4.5	16.0	9.5	12.0	61	27	24	125	PSE-14-08	SP14-08
SE-PF-10-N30	10	3/4	10.5	21.0	13.1	13.0	84	32	32	220	PSE-10	SP07-10
SE-PF-12	12	3/4	10.5	21.5	16.0	13.0	87	36	36	280	PSE-12	SP3-12
SE-PF-16	16	1	11.0	27.5	20.9	15.0	105	41	41	400	PSE-16	SP07-16

■ Material : steel  
 ■ Adapter : 010, 045, 090, 150, 020, 025, 064, 069, 030

SF



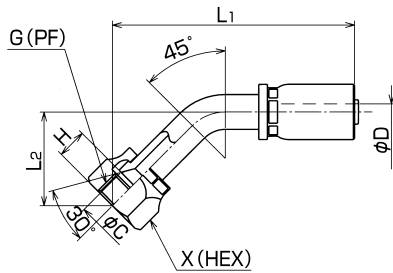
Part No.	Size No.	G	B	C	Min. I.D. φD	H	L	X (HEX)	Y (HEX)	Weight (g)	Pusher	Die
SSF-PF-02	02	1/8	4.0	5.0	1.8	3.0	41	14	14	25	PSE-02-001	SPLB70-02
SF-PF-04-14	04	1/4	4.0	7.5	3.5	5.5	49	19	17	55	PSE-14-04	SP14-04-07
SF-PF-06-14	06	3/8	4.0	10.0	6.8	6.5	53	22	19	75	PSE-14-06	SP14-06-07
SF-PF-08-14	08	1/2	4.5	13.2	9.5	9.0	61	27	24	125	PSE-14-08	SP14-08
SF-PF-10-N30	10	3/4	10.5	19.0	13.1	9.5	84	32	32	220	PSE-10	SP07-10
SF-PF-12	12	3/4	10.5	19.0	16.0	9.5	87	36	36	280	PSE-12	SP3-12
SF-PF-16	16	1	11.0	25.4	20.9	10.0	105	41	41	410	PSE-16	SP07-16

■ Material : steel  
 ■ Adapter : 110, 145, 190, 130

## [Swage type]

(For LB70, LF70)

### AE45

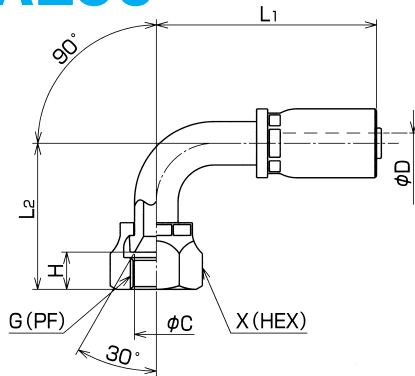


Part No.	Size No.	G	C	Min. I.D. ϕD	H	L <sub>1</sub>	L <sub>2</sub>	X (HEX)	Weight (g)	Pusher	Die
AE45-G-04-14	04	1/4	9.0	3.2	8.0	61	18	19	57	PFB-01+PA-04	SP14-04-07
AE45-G-06-14	06	3/8	12.0	5.6	9.5	74	25	22	90	PFB-01+PA-06	SP14-06-07
AE45-G-08-14	08	1/2	15.5	8.7	12.0	87	29	27	143	PFB-01+PA-08	SP14-08

■ Material : steel

■ Adapter : 010, 045, 090, 150, 020, 025, 064, 069, 030

### AE90

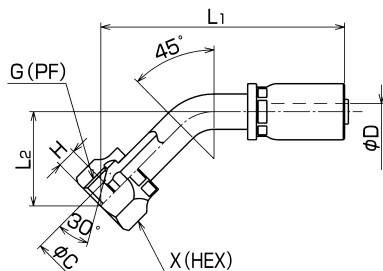


Part No.	Size No.	G	C	Min. I.D. ϕD	H	L <sub>1</sub>	L <sub>2</sub>	X (HEX)	Weight (g)	Pusher	Die
AE90-G-04-14	04	1/4	9.0	3.2	8.0	51	33	19	59	PFB-01+PA-04	SP14-04-07
AE90-G-06-14	06	3/8	12.0	5.6	9.5	61	45	22	98	PFB-01+PA-06	SP14-06-07
AE90-G-08-14	08	1/2	15.5	8.7	12.0	68	52	27	153	PFB-01+PA-08	SP14-08

■ Material : steel

■ Adapter : 010, 045, 090, 150, 020, 025, 064, 069, 030

### AF45

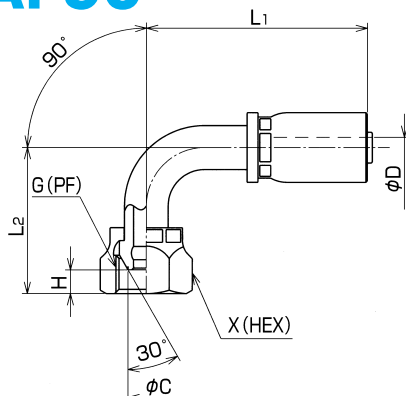


Part No.	Size No.	G	C	Min. I.D. ϕD	H	L <sub>1</sub>	L <sub>2</sub>	X (HEX)	Weight (g)	Pusher	Die
AF45-G-04-14	04	1/4	7.0	3.2	5.5	63	19	19	58	PFB-01+PA-04	SP14-04-07
AF45-G-06-14	06	3/8	10.0	5.6	6.5	72	23	22	90	PFB-01+PA-06	SP14-06-07
AF45-G-08-14	08	1/2	14.0	8.7	9.0	88	30	27	147	PFB-01+PA-08	SP14-08

■ Material : steel

■ Adapter : 110, 145, 190, 130

### AF90



Part No.	Size No.	G	C	Min. I.D. ϕD	H	L <sub>1</sub>	L <sub>2</sub>	X (HEX)	Weight (g)	Pusher	Die
AF90-G-04-14	04	1/4	7.0	3.2	5.5	51	33	19	61	PFB-01+PA-04	SP14-04-07
AF90-G-06-14	06	3/8	10.0	5.6	6.5	61	45	22	100	PFB-01+PA-06	SP14-06-07
AF90-G-08-14	08	1/2	14.0	8.7	9.0	68	52	27	156	PFB-01+PA-08	SP14-08

■ Material : steel

■ Adapter : 110, 145, 190, 130