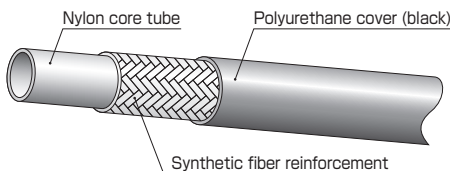


1000-1100-1400-1500 Series

1000

Features

- Small outer diameter
- Lightweight
- Campucka coupling can be used



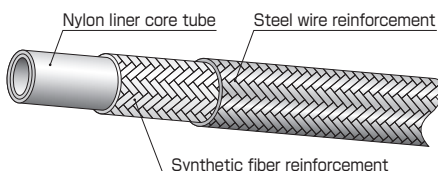
Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
1000-04	04	1/4	6.3	10.4	10.5	1,500	42.0	6,000	30	64	Campucka Swage
1000-06	06	3/8	9.5	14.0	10.5	1,500	42.0	6,000	60	90	
1000-08	08	1/2	12.7	17.4	10.5	1,500	42.0	6,000	80	131	

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

1100

Features

- Outer wire reinforcement prevents the cutting powder



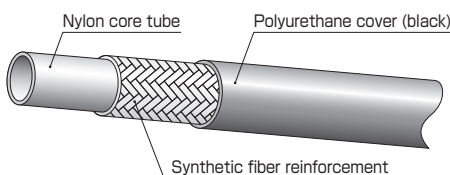
Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
1100-04	04	1/4	6.3	11.1	10.5	1,500	42.0	6,000	40	150	Swage
1100-06	06	3/8	9.5	15.1	10.5	1,500	42.0	6,000	60	220	
1100-08	08	1/2	12.7	18.8	10.5	1,500	42.0	6,000	80	300	

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

1400

Features

- Small outer diameter
- Lightweight
- Campucka coupling can be used



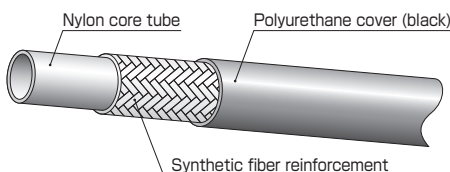
Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
1400-04	04	1/4	6.3	10.4	14.0	2,000	56.0	8,000	30	64	Campucka Swage
1400-06	06	3/8	9.5	14.0	14.0	2,000	56.0	8,000	60	90	

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

1500

Features

- Small outer diameter
- Lightweight



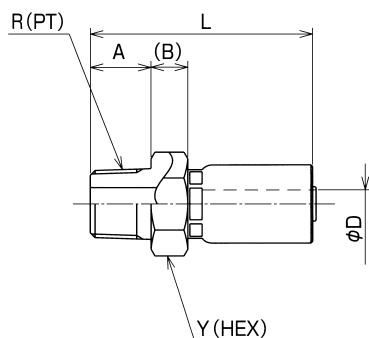
Part No.	Size			Max. working pressure		Min. burst pressure		Min. bending radius (mm)	Weight (g/m)	Coupling	
	Size No.	I.D. (in.)	I.D. (mm)	O.D. (mm)	(MPa)	(PSI)	(MPa)				(PSI)
1500-03	03	3/16	5.1	8.8	15.0	2,150	60.0	8,600	20	45	Swage

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

[Swage type]

(For 1000, 1100, 1400, 1500)

SA



Part No.	Size No.	R	A	B	Min. I.D. φD	L	Y (HEX)	Weight (g)	Pusher	Die
SA-PT-03-14	03	1/4	13	8.5	3.0	44	19	40	PSA-04	SP14-03
SA-PT-04-14	04	1/4	13	8.5	3.5	50	19	43	PSA-04	SP14-04
SA-PT-06-14	06	3/8	15	9.0	6.8	54	22	72	PSA-06	SP14-06
SA-PT-08-14	08	1/2	18	10.0	9.5	61	27	115	PSA-08	SP14-08* SP10-08*

■ Material : steel

■ Adapter : 030, 130

* Use SP-14-08 for 1000-08 and SP-10-08 for 1100-08.

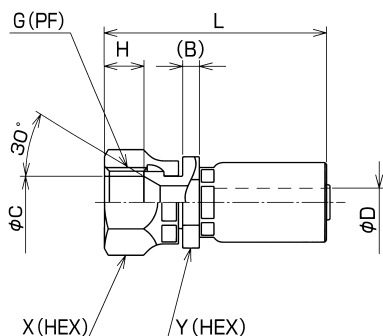
Stainless steel type

Part No.	Size No.	R	A	B	Min. I.D. φD	L	Y (HEX)	Weight (g)	Pusher	Die	
										First	Second
SA-PT-04-14-S	04	1/4	13	8.5	3.5	50	19	43	PSA-04	SPH-03	SP14-04
SA-PT-06-14-S	06	3/8	15	9.0	6.8	54	22	72	PSA-06	SP3-05-1-ST	SP14-06
SA-PT-08-14-S	08	1/2	18	10.0	9.5	61	27	115	PSA-08	SPH-06-1-ST	SP14-08

■ Material : stainless steel SUS304

■ 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
SE-PF-03-14	03	1/4	4.0	9.5	3.0	8.0	44	19	17	42	PSE14-04	SP14-03
SE-PF-04-14	04	1/4	4.0	9.3	3.5	8.0	49	19	17	55	PSE14-04	SP14-04
SE-PF-06-14	06	3/8	4.0	12.3	6.8	9.5	53	22	19	75	PSE14-06	SP14-06
SE-PF-08-14	08	1/2	4.5	16.0	9.5	12.0	61	27	24	125	PSE14-08	SP14-08* SP10-08*

■ Material : steel

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

* Use SP-14-08 for 1000-08 and SP-10-08 for 1100-08.

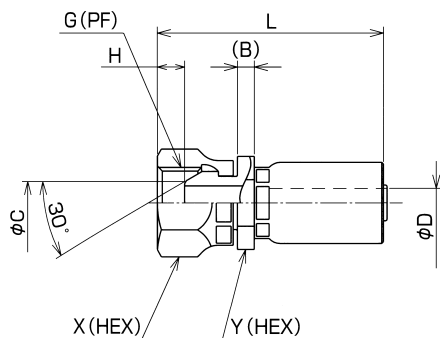
Stainless steel type

Part No.	Size No.	G	B	C	Min. I.D. φD	H	L	X (HEX)	Y (HEX)	Weight (g)	Pusher	Die	
												First	Second
SE-PF-04-14-S	04	1/4	4.0	9.5	3.5	8.0	49	19	17	55	PSE-14-04	SPH-03	SP14-04
SE-PF-06-14-S	06	3/8	4.0	12.5	6.8	9.5	53	22	19	71	PSE-14-06	SP3-05-1-ST	SP14-06
SE-PF-08-14-S	08	1/2	4.5	16.0	9.5	12.0	61	27	24	125	PSE-14-08	SPH-06-1-ST	SP14-08

■ Material : stainless steel SUS304

■ 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
SF-PF-03-14	03	1/4	4.0	7.5	3.0	5.5	44	19	17	45	PSE14-04	SP14-03
SF-PF-04-14	04	1/4	4.0	7.5	3.5	5.5	49	19	17	55	PSE14-04	SP14-04
SF-PF-06-14	06	3/8	4.0	10.0	6.8	6.5	53	22	19	75	PSE14-06	SP14-06
SF-PF-08-14	08	1/2	4.5	13.2	9.5	9.0	61	27	24	125	PSE14-08	SP14-08* SP10-08*

■ Material : steel

■ Adapter : 110, 145, 190, 130

* Use SP-14-08 for 1000-08 and SP-10-08 for 1100-08.

Stainless steel type

Part No.	Size No.	G	B	C	Min. I.D. φD	H	L	X (HEX)	Y (HEX)	Weight (g)	Pusher	Die	
												First	Second
SF-PF-04-14-S	04	1/4	4.0	7.5	3.5	5.5	49	19	17	56	PSE-14-04	SPH-03	SP14-04
SF-PF-06-14-S	06	3/8	4.0	10.0	6.8	6.5	53	22	19	75	PSE-14-06	SP3-05-1-ST	SP14-06
SF-PF-08-14-S	08	1/2	4.5	13.2	9.5	9.0	61	27	24	125	PSE-14-08	SPH-06-1-ST	SP14-08

■ Material : stainless steel SUS304

■ Adapter : 110, 145, 190, 130