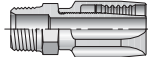

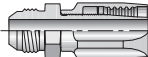
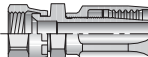
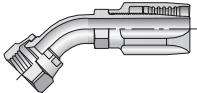
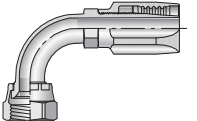




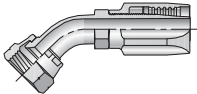
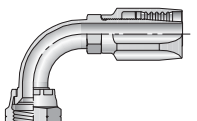
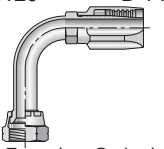

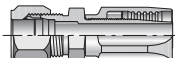

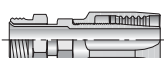
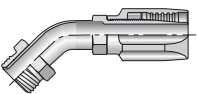
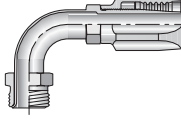

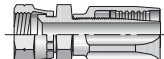

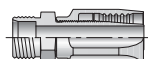

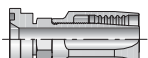
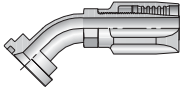
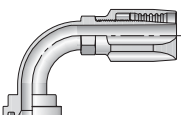

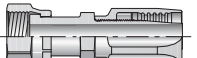
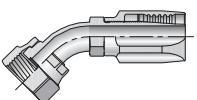
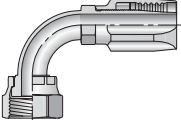
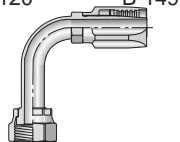

 NPTF Pipe	20120 B-142  Male - Rigid	 JIC 37°	20320 B-142  Male - Rigid	20620 B-143  Female - Swivel	23720 B-143  Female - Swivel 45° Elbow - Short
23920 B-144  Female - Swivel 90° Elbow - Short	24120 B-144  Female - Swivel 90° Elbow - Long	 SAE 45°	20420 B-144  Male - Rigid	20820 B-145  Female - Swivel	27720 B-145  Female - Swivel 45° Elbow
27920 B-145  Female - Swivel 90° Elbow	28120 B-146  Female - Swivel 90° Elbow - Long	 Flareless	21120 B-146  Male - Rigid	 Inverted Flare	22820 B-146  Male - Swivel
26720 B-146  Male - Swivel 45° Elbow	26920 B-147  Male - Swivel 90° Elbow	 PTT 30°	23220 B-147  Female - Swivel	 Compression	26120 B-147  Male (without Nut or Sleeve)
 Code 61 Flange	21520 B-147  Flange	21720 B-148  45° Elbow	21920 B-148  90° Elbow	 Seal-Lok® (O-Ring Face Seal)	2JS20 B-148  Female - Swivel Long
2J720 B-148  Female - Swivel 45° Elbow	2J920 B-149  Female - Swivel 90° Elbow - Short	2J120 B-149  Female - Swivel 90° Elbow - Long	 Assembly Instructions	20 Series Assembly Instructions B-150	

A

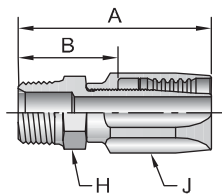
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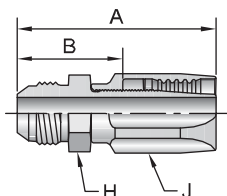
E

20 20
e F i e i g i



#	re		se	inch		inch		inch		iti n teri r ss
	er	inch		inch	mm	inch	inch	inch	mm	
20120-2-4		1/8x27	3/16	1.72	44	7/16	5/8	0.94	24	
20120-2-5		1/8x27	1/4	1.82	46	1/2	11/16	0.99	25	
20120-4-4		1/4x18	3/16	1.93	49	9/16	5/8	1.15	29	
20120-4-5		1/4x18	1/4	2.01	51	9/16	11/16	1.18	30	
20120-4-6		1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	
20120-6-6		3/8x18	5/16	2.20	56	3/4	13/16	1.28	33	
20120-6-8		3/8x18	13/32	2.48	63	3/4	15/16	1.39	35	
20120-8-8		1/2x14	13/32	2.73	69	7/8	15/16	1.64	42	
20120-8-10		1/2x14	1/2	2.88	73	7/8	1-1/8	1.66	42	
20120-12-10		3/4x14	1/2	2.95	75	1-1/16	1-1/8	1.73	44	
20120-12-12		3/4x14	5/8	3.25	83	1-1/16	1-1/4	1.75	44	
20120-12-16		3/4x14	7/8	2.81	71	1-3/8	1-7/16	1.62	41	
20120-16-16		1x11-1/2	7/8	2.99	76	1-3/8	1-7/16	1.80	46	•
20120-20-20		1-1/4x11-1/2	1-1/8	3.24	82	1-3/4	1-3/4	1.96	50	•
20120-24-24		1-1/2x11-1/2	1-3/8	3.50	89	2	2	2.13	54	•
20120-32-32		2 x11-1/2	1-13/16	4.05	103	2-1/2	2-1/2	2.31	59	•

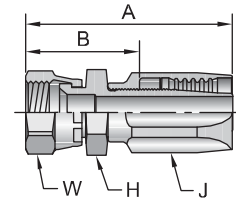
20 20
e i g i



#	re		se	inch		inch		inch	
	er	inch		inch	mm	inch	inch	inch	mm
20320-4-4	1/4	7/16x20	3/16	1.83	46	1/2	5/8	1.05	27
20320-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20320-6-6	3/8	9/16x18	5/16	2.11	54	5/8	13/16	1.19	30
20320-8-8	1/2	3/4x16	13/32	2.57	65	13/16	15/16	1.48	38
20320-10-10	5/8	7/8x14	1/2	2.88	73	15/16	1-1/8	1.66	42
20320-12-12	3/4	1-1/16x12	5/8	3.35	85	1-1/8	1-1/4	1.85	47
20320-16-16	1	1-5/16x12	7/8	2.95	75	1-3/8	1-7/16	1.76	45

20 20
Fe e S i e

# rt er	re inch		se inch	inch	mm	inch	inch	inch	inch	mm	iti n teri St in ess Stee
	re inch	se inch	inch	mm	inch	inch	inch	inch	mm		
20620-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29	•
20620-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11/16	9/16	1.21	31	
20620-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11/16	5/8	1.29	33	
20620-6-5	3/8	9/16x18	1/4	2.19	56	11/16	11/16	11/16	1.36	35	
20620-6-6	3/8	9/16x18	5/16	2.32	59	11/16	13/16	11/16	1.40	36	•
20620-8-6	1/2	3/4x16	5/16	2.44	62	7/8	13/16	7/8	1.52	39	
20620-8-8	1/2	3/4x16	13/32	2.79	71	7/8	15/16	7/8	1.70	43	•
20620-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45	
20620-10-8	5/8	7/8x14	13/32	2.94	75	7/8	15/16	1	1.85	47	
20620-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48	•
20620-10-12	5/8	7/8x14	5/8	3.40	86	1	1-1/4	1	1.90	48	
20620-12-12	3/4	1-1/16x12	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51	•
20620-16-16	1	1-5/16x12	7/8	3.20	81	1-1/2	1-7/16	1-1/2	2.01	51	•
20620-20-20	1-1/4	1-5/8x12	1-1/8	3.56	90	2	1-3/4	2	2.28	58	
20620-24-24	1-1/2	1-7/8x12	1-3/8	3.95	100	2-1/4	2	2-1/4	2.58	66	
20620-32-32	2	2-1/2x12	1-13/16	4.71	120	2-7/8	2-1/2	2-7/8	2.97	75	

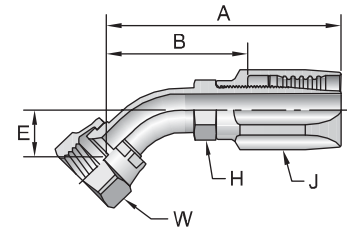


A

B

2 20
Fe e S i e S r t r

# rt er	re inch		se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm
	re inch	se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
23720-4-4	1/4	7/16x20	3/16	2.08	53	0.33	8	3/8	5/8	9/16	1.30	33
23720-5-5	5/16	1/2x20	1/4	2.30	58	0.36	9	7/16	11/16	5/8	1.47	37
23720-6-6	3/8	9/16x18	5/16	2.45	62	0.39	10	1/2	13/16	11/16	1.53	39
23720-8-6	1/2	3/4x16	5/16	2.77	70	0.55	14	5/8	13/16	7/8	1.85	47
23720-10-10	5/8	7/8x14	1/2	3.36	85	0.65	17	3/4	1-1/8	1	2.14	54
23720-12-12	3/4	1-1/16x12	5/8	3.94	100	0.79	20	7/8	1-1/4	1-1/4	2.44	62
23720-16-16	1	1-5/16x12	7/8	3.73	95	0.90	23	1-1/8	1-7/16	1-1/2	2.54	65
23720-20-20	1-1/4	1-5/8x12	1-1/8	4.17	106	1.19	30	1-1/2	1-3/4	2	2.89	73



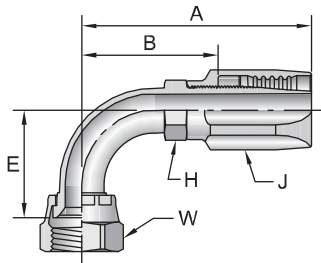
C

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E

2 20

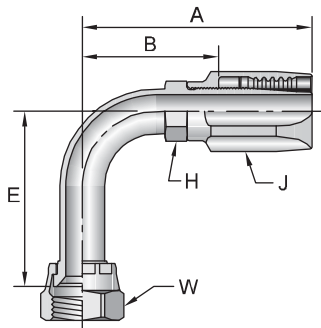
Fe e S i e 0 S r t r



#	re		se									
	er	inch		inch	mm	inch	mm	inch	inch	inch	mm	
23920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
23920-5-5	5/16	1/2x20	1/4	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
23920-6-6	3/8	9/16x18	5/16	2.35	60	0.90	23	1/2	13/16	11/16	1.43	36
23920-8-8	1/2	3/4x16	13/32	2.88	73	1.09	28	5/8	15/16	7/8	1.79	45
23920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
23920-12-12	3/4	1-1/16x12	5/8	3.86	98	1.82	46	7/8	1-1/4	1-1/4	2.36	60
23920-16-16	1	1-5/16x12	7/8	3.69	94	2.14	54	1-1/8	1-7/16	1-1/2	2.50	64
23920-20-20	1-1/4	1-5/8x12	1-1/8	4.01	102	2.59	66	1-1/2	1-3/4	2	2.73	69
23920-24-24	1-1/2	1-7/8x12	1-3/8	4.43	113	2.82	72	1-3/4	2	2-1/4	3.06	78

2 20

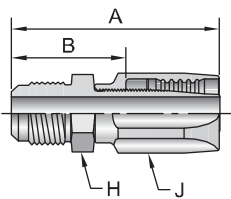
Fe e S i e 0 ng r



#	re		se									
	er	inch		inch	mm	inch	mm	inch	inch	inch	mm	
24120-4-4	1/4	7/16x20	3/16	2.08	53	1.80	46	3/8	5/8	9/16	1.30	33
24120-6-6	3/8	9/16x18	5/16	2.34	59	2.18	55	1/2	13/16	11/16	1.42	36
24120-8-8	1/2	3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47
24120-10-10	5/8	7/8x14	1/2	3.26	83	2.58	66	3/4	1-1/8	1	2.04	52
24120-12-12	3/4	1-1/16x12	5/8	3.78	96	3.74	95	7/8	1-1/4	1-1/4	2.28	58

20 20

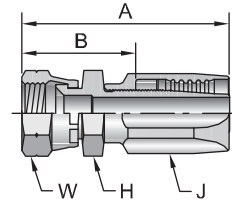
e S i g i



#	re		se						
	er	inch		inch	mm	inch	inch	inch	mm
20420-4-4	1/4	7/16x20	3/16	1.80	46	1/2	5/8	1.02	26
20420-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20420-6-6	3/8	5/8x18	5/16	2.17	55	11/16	13/16	1.25	32
20420-8-8	1/2	3/4x16	13/32	2.67	68	13/16	15/16	1.58	40
20420-10-10	5/8	7/8x14	1/2	3.00	76	15/16	1-1/8	1.78	45
20420-12-12	3/4	1-1/16x14	5/8	3.50	89	1-1/8	1-1/4	2.00	51

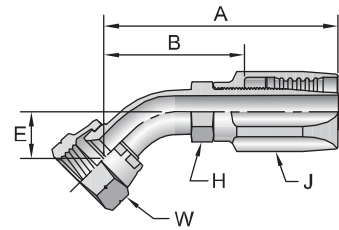
20 20
Fe eS S i e

# rt er	re inch		se inch	inch		inch		inch		inch	
	re inch	se inch		inch	mm	inch	mm	inch	mm	inch	mm
20820-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29	
20820-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11-16	9/16	1.21	31	
20820-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11-16	5/8	1.29	33	
20820-6-6	3/8	5/8x18	5/16	2.36	60	3/4	13/16	3/4	1.44	37	
20820-8-8	1/2	3/4x16	3/8	2.79	71	7/8	15/16	7/8	1.70	43	
20820-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45	
20820-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48	
20820-12-12	3/4	1-1/16x14	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51	



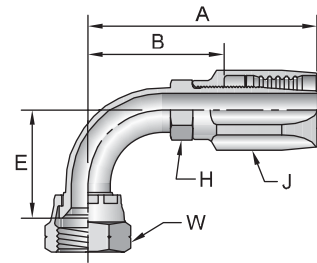
2 20
Fe eS S i e

# rt er	re inch		se inch	inch		inch		inch		inch		
	re inch	se inch		inch	mm	inch	mm	inch	mm	inch	mm	
27720-6-6	3/8	5/8x18	5/16	2.45	62	0.39	10	1/2	13/16	3/4	1.53	39
27720-8-6	1/2	3/4x16	5/16	2.77	71	0.55	14	5/8	13/16	7/8	1.86	47
27720-8-8	1/2	3/4x16	13/32	3.09	78	0.55	14	5/8	15/16	7/8	2.00	51
27720-10-10	5/8	7/8x14	1/2	3.35	85	0.65	17	3/4	1-1/8	1	2.13	54



2 20
Fe eS S i e 0

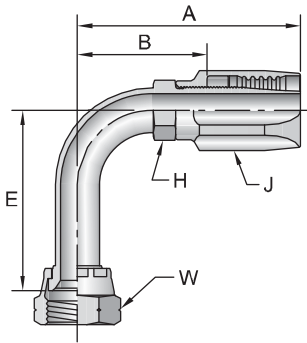
# rt er	re inch		se inch	inch		inch		inch		inch		
	re inch	se inch		inch	mm	inch	mm	inch	mm	inch	mm	
27920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
27920-5-5	5/16	1/2x20	1/4	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
27920-6-6	3/8	5/8x18	5/16	2.33	59	0.85	22	1/2	13/16	3/4	1.41	36
27920-8-8	1/2	3/4x16	13/32	2.86	73	1.09	28	5/8	15/16	7/8	1.77	45
27920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
27920-12-12	3/4	1-1/16x14	5/8	3.87	98	1.82	46	7/8	1-1/4	1-1/4	2.37	60



Notch in nut signifies 45° flare.

2 20

Ferrule Sizing

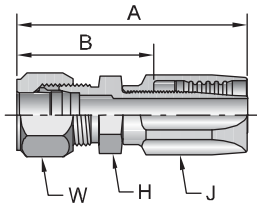


#	Hose		Seal	Hose		Hose			Hose			
	rt	re		inch	mm	inch	mm	inch	inch	inch	mm	
28120-6-6	3/8	5/8x18	5/16	2.34	59	2.18	55	1/2	13/16	3/4	1.42	36
28120-8-8	1/2	3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47

Notch in nut signifies 45° flare.

2 20

Ferrule Flareless Fitting
2 Piece Nut and Ferrule

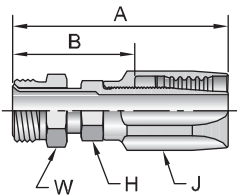


#	Hose		Seal	Hose		Hose			Hose	
	rt	re		inch	mm	inch	inch	inch	inch	mm
21120-6-6	3/8	9/16x18	5/16	2.05	52	5/8	13/16	11/16	1.13	29
21120-8-8	1/2	3/4x16	13/32	2.52	64	13/16	15/16	7/8	1.43	36

The Parker Ferrule-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on the job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

22 20

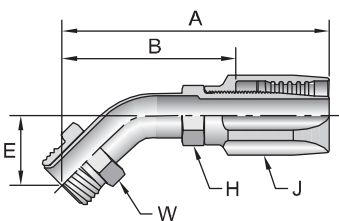
Inverted Sizing



#	Hose		Seal	Hose		Hose			Hose	
	rt	re		inch	mm	inch	inch	inch	inch	mm
22820-4-4	1/4	7/16x24	3/16	2.45	62	3/8	5/8	7/16	1.67	42
22820-5-5	5/16	1/2x20	1/4	2.70	69	7/16	11/16	1/2	1.87	47
22820-6-6	3/8	5/8x18	5/16	2.95	75	1/2	13/16	5/8	2.03	52
22820-8-8	1/2	3/4x18	13/32	3.36	85	5/8	15/16	3/4	2.27	58
22820-10-10	5/8	7/8x18	1/2	3.64	92	3/4	1-1/8	7/8	2.42	61

2 20

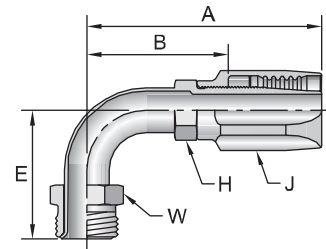
Inverted Sizing



#	Hose		Seal	Hose		Hose			Hose			
	rt	re		inch	mm	inch	mm	inch	inch	inch	mm	
26720-4-4	1/4	7/16x24	3/16	2.21	56	0.62	16	3/8	5/8	7/16	1.43	36
26720-5-5	5/16	1/2x20	1/4	2.44	62	0.70	18	7/16	11/16	1/2	1.61	41
26720-6-6	3/8	5/8x18	5/16	3.00	76	0.94	24	1/2	13/16	5/8	2.08	53
26720-8-8	1/2	3/4x18	13/32	3.51	89	1.09	28	5/8	15/16	3/4	2.42	61

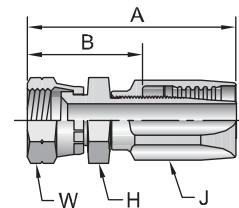
2 20
e n e r t e S S i e 0

#	re		se	inch		mm		inch			mm	
	er	inch		inch	mm	inch	mm	inch	inch	inch	inch	mm
26920-4-4	1/4	7/16x24	3/16	2.29	58	1.56	40	3/8	5/8	7/16	1.51	38
26920-5-5	5/16	1/2x20	1/4	2.55	65	1.65	42	7/16	11/16	1/2	1.72	44
26920-5-6	5/16	1/2x20	5/16	2.63	67	1.65	42	1/2	13/16	1/2	1.71	43
26920-6-6	3/8	5/8x18	5/16	2.67	68	1.69	43	1/2	13/16	5/8	1.75	44
26920-8-8	1/2	3/4x18	13/32	3.09	78	1.88	48	5/8	15/16	3/4	2.00	51



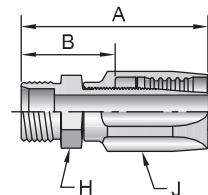
2 220
Fe e 0 S i e

#	re		se	inch		mm		inch			mm	
	er	inch		inch	mm	inch	inch	inch	inch	inch	mm	
23220-16-16	1	1-5/16x14	7/8	2.98	76	1-1/2	1-7/16	1-1/2	1.79	45		



2 20
e S r e s s i n S e t
(without Nut or Sleeve)

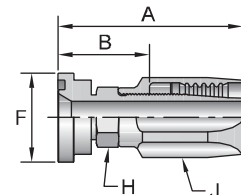
#	re		se	inch		mm		inch			mm	
	er	inch		inch	mm	inch	inch	inch	inch	inch	mm	
26120-10-10	5/8	13/16x18	1/2	2.64	67	7/8	1-1/8	1.42	36			



2 20
S e F n g e e
ISO 12151-3-S-L

#	F n g e		se	inch		mm		inch			mm	
	er	inch		inch	mm	inch	inch	inch	inch	inch	mm	
21520-20-20	1-1/4	1-1/8	3.58	91	2	1-1/2	1-3/4	2.30	58			
21520-40-40	2-1/2	2-3/8	5.22	133	3-5/16	2-3/4	3-1/8	3.41	87			

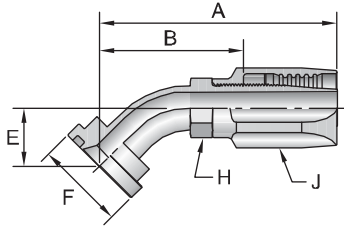
See Accesories Section for O-Rings and Flange Kits.



2 20

Steel Flange

ISO 12151-3- E45S - L (1 Piece: ISO 12151-3- E45M - L)

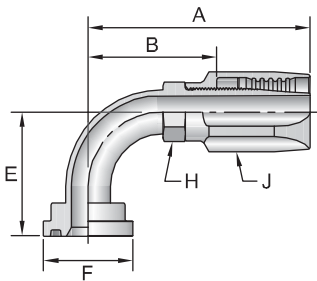


#	Finger	Seal	inch		mm		F	inch		mm	
			inch	mm	inch	mm		inch	mm		
21720-20-20	1-1/4	1-1/8	4.10	104	1.12	28	2	1-1/2	1-3/4	2.82	72
21720-40-40	2-1/2	2-3/8	5.83	148	1.41	36	3-3/8	2-3/4	3-1/8	4.02	102

2 20

Steel Flange 0

ISO 12151-3- E90S - L (1 Piece: ISO 12151-3- E90M - L)

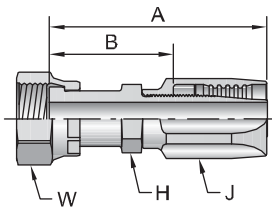


#	Finger	Seal	inch		mm		F	inch		mm	
			inch	mm	inch	mm		inch	mm		
21920-8-8	1/2	13/32	2.95	75	1.62	41	1-3/16	5/8	15/16	1.86	47
21920-32-32	2	1-13/16	5.44	138	3.19	81	2-13/16	2-1/4	2-1/2	3.70	94
21920-40-40	2-1/2	2-3/8	6.18	157	3.75	95	3-5/16	2-3/4	3-1/8	4.37	111

2 S20

Steel Sealing

ISO 12151-1 - SWSB

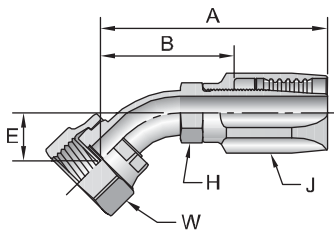


#	Finger	Seal	inch		mm		inch		mm	
			inch	mm	inch	mm	inch	mm		
2JS20-4-4	1/4	9/16x18	3/16	2.07	53	9/16	5/8	11/16	1.29	33
2JS20-6-6	3/8	11/16x16	5/16	2.36	60	1/2	13/16	13/16	1.44	37
2JS20-8-8	1/2	13/16x16	13/32	2.92	74	5/8	15/16	15/16	1.83	46
2JS20-10-10	5/8	1x14	1/2	3.15	80	3/4	1-1/8	1-1/8	1.93	49
2JS20-12-12	3/4	1-3/16x12	5/8	3.66	93	1-1/8	1-1/4	1-3/8	2.16	55

2 20

Steel Sealing

ISO 12151-1 - SWE45



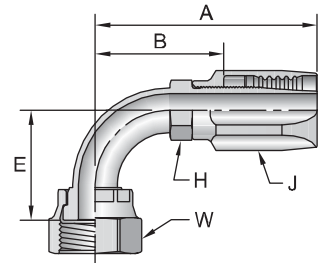
#	Finger	Seal	inch		mm		inch		mm			
			inch	mm	inch	mm	inch	mm				
2J720-4-4	1/4	9/16x18	3/16	2.24	57	0.41	10	7/16	5/8	11/16	1.46	37
2J720-6-6	3/8	11/16x16	5/16	2.52	64	0.43	11	1/2	13/16	13/16	1.60	41
2J720-8-8	1/2	13/16x16	13/32	3.19	81	0.59	15	5/8	15/16	15/16	2.10	53
2J720-10-10	5/8	1x14	1/2	3.46	88	0.65	17	3/4	1-1/8	1-1/8	2.24	57

See Accessories Section for O-Rings and Flange Kits.

2 20

Fe e Se S i e 0 S r t r
ISO 12151-1 - SWE90

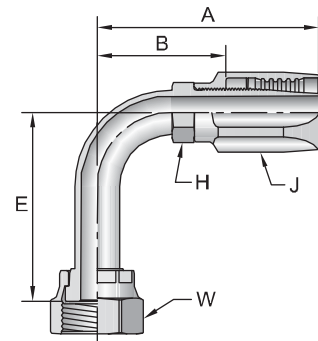
# rt er	re inch		se inch	inch		inch		inch	inch	inch	inch	
	re inch	se inch		inch	mm	inch	mm				inch	mm
2J920-4-4	1/4	9/16x18	3/16	2.22	56	0.82	21	7/16	5/8	11/16	1.44	37
2J920-6-6	3/8	11/16x16	5/16	2.39	61	0.90	23	1/2	13/16	13/16	1.47	37
2J920-8-8	1/2	13/16x16	13/32	2.91	74	1.15	29	5/8	15/16	15/16	1.82	46
2J920-10-10	5/8	1x14	1/2	3.16	80	1.27	32	3/4	1-1/8	1-1/8	1.94	49
2J920-12-12	3/4	1-3/16x12	5/8	3.74	95	1.85	47	7/8	1-1/4	1-3/8	2.24	57



2 20

Fe e Se S i e 0 ng r
ISO 12151-1 - SWEL90

# rt er	re inch		se inch	inch		inch		inch	inch	inch	inch	
	re inch	se inch		inch	mm	inch	mm				inch	mm
2J120-4-4	1/4	9/16x18	3/16	2.01	51	1.80	46	7/16	5/8	11/16	1.23	31
2J120-6-6	3/8	11/16x16	5/16	2.48	63	2.13	54	1/2	13/16	13/16	1.56	40
2J120-8-8	1/2	13/16x16	13/32	2.96	75	2.51	64	5/8	15/16	15/16	1.87	47

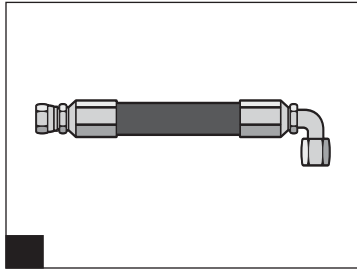


See Accessories Section for O-Rings.



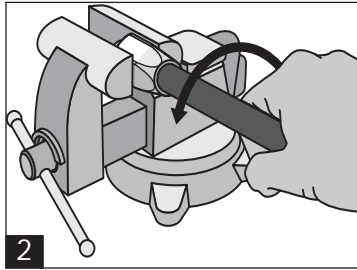
20 Series se sse nstr ti ns

A



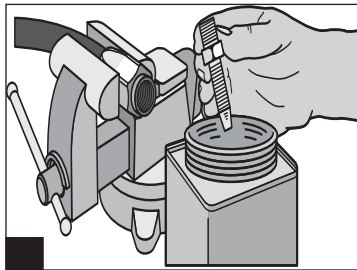
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or cutoff machine. Care should be taken to ensure a square, clean cut is obtained.

B



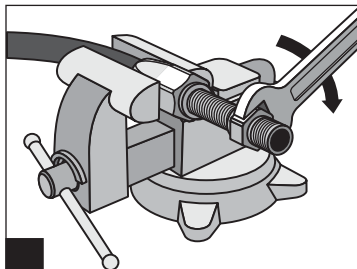
2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out 1/2 turn.

C



3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.

D



4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32" to 1/16" gap between the nipple hex and socket is allowed for displacement angle adjustment when two elbow fittings are used.

E

ns e ti n Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

S e i nstr ti ns r st iness stee ttings When assembling fittings made with 316 stainless steel, lubricate the threads of both the socket and nipple with Accrolube High Efficiency Lubricant (see Section C) or equivalent metal assembly lubricant.

te S SS S

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION - TECHNICAL SERVICES DEPARTMENT

PHONE: 440/943-5700

FAX: 440/943-3129

<http://www.parkerhose.com>