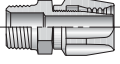

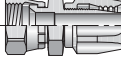
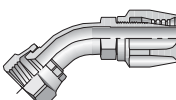
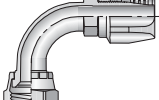
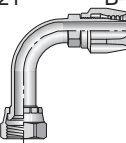

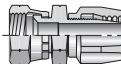
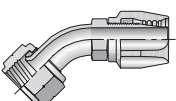
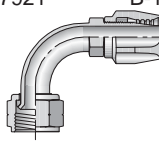

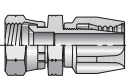


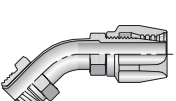
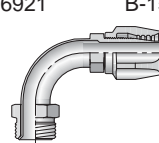

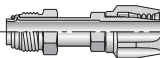


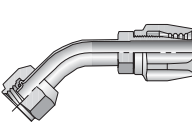
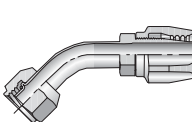
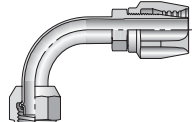
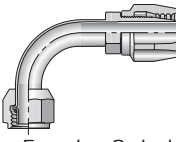

 NPTF Pipe	20121 B-152  Male - Rigid	 JIC 37°	20621 B-152  Female - Swivel	23721 B-152  Female - Swivel 45° Elbow - Short	23921 B-153  Female - Swivel 90° Elbow - Short
24121 B-153  Female - Swivel 90° Elbow - Long	 SAE 45°	20821 B-153  Female - Swivel	27721 B-153  Female - Swivel 45° Elbow	27921 B-154  Female - Swivel 90° Elbow	 PTT 30°
23221 B-154  Female - Swivel	 Inverted Flare	22821 B-154  Male - Swivel	26721 B-154  Male - Swivel 45° Elbow	26921 B-155  Male - Swivel 90° Elbow	 Tube-O
2S521 B-155  Male - Swivel Short	25M21 B-155  Male - Swivel 90° Elbow - Long	25S21 B-155  Female - Swivel Short	25H21 B-156  Female - Swivel 45° Elbow - Short	25N21 B-156  Female - Swivel 45° Elbow - Long	25T21 B-156  Female - Swivel 90° Elbow - Short
25L21 B-156  Female - Swivel 90° Elbow - Long	 Assembly Instructions	21 Series B-157 Assembly Instructions			

A

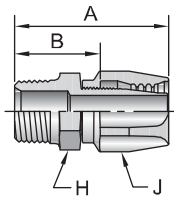
B

C

D

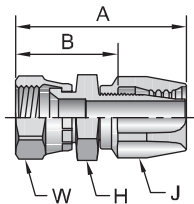
E

2 121  
e F i e i g i



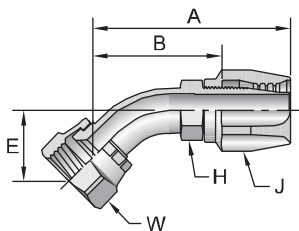
#	re		se						
	inch	mm		inch	mm	inch	mm	inch	mm
20121-2-4	1/8x27		3/16	1.55	39	7/16	9/16	0.88	22
20121-4-4	1/4x18		3/16	1.77	45	9/16	9/16	1.10	28
20121-4-5	1/4x18		1/4	1.79	45	9/16	5/8	1.05	27
20121-4-6	1/4x18		5/16	1.92	49	9/16	3/4	1.14	29
20121-6-6	3/8x18		5/16	1.95	50	11/16	3/4	1.17	30
20121-6-8	3/8x18		13/32	2.10	53	11/16	7/8	1.18	30
20121-8-8	1/2x14		13/32	2.34	59	7/8	7/8	1.42	36
20121-8-10	1/2x14		1/2	2.44	62	7/8	1-1/16	1.44	37
20121-12-12	3/4x14		5/8	2.58	66	1-1/8	1-1/4	1.50	38
20121-12-16	3/4x14		7/8	2.50	64	1-1/4	1-7/16	1.51	38
20121-16-16	1x11-1/2		7/8	2.69	68	1-3/8	1-7/16	1.70	43
20121-20-20	1-1/4x11-1/2		1-1/8	2.91	74	1-11/16	1-3/4	1.87	47
20121-24-24	1-1/2x11-1/2		1-3/8	3.02	77	2	2	1.92	49

2 21  
F e e S i e



#	re		se							
	inch	mm		inch	mm	inch	mm	inch	mm	
20621-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20621-5-5	5/16	1/2x20	1/4	1.92	49	5/8	5/8	5/8	1.18	30
20621-6-6	3/8	9/16x18	5/16	2.09	53	11/16	3/4	11/16	1.31	33
20621-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39
20621-8-10	1/2	3/4x16	1/2	2.56	65	1	1-1/16	7/8	1.56	40
20621-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42
20621-12-12	3/4	1-1/16x12	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45
20621-16-16	1	1-5/16x12	7/8	2.94	75	1-1/2	1-7/16	1-1/2	1.95	50
20621-20-20	1-1/4	1-5/8x12	1-1/8	3.16	80	2	1-3/4	2	2.12	54

2 21  
F e e S i e S r t r

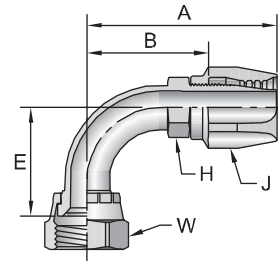


#	re		se									
	inch	mm		inch	mm	inch	mm	inch	mm			
23721-4-4	1/4	7/16x20	3/16	2.11	54	0.39	10	3/8	9/16	9/16	1.43	36
23721-6-6	3/8	9/16x18	5/16	2.26	57	0.40	10	1/2	3/4	11/16	1.48	38
23721-8-8	1/2	3/4x16	13/32	2.73	69	0.55	14	5/8	7/8	7/8	1.81	46
23721-10-10	5/8	7/8x14	1/2	2.97	75	0.64	16	3/4	1-1/16	1	1.97	50
23721-12-12	3/4	1-1/16x12	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56
23721-16-16	1	1-5/16x12	7/8	3.44	87	0.90	23	1-1/8	1-7/16	1-1/2	2.45	62
23721-20-20	1-1/4	1-5/8x12	1-1/8	3.80	97	1.19	30	1-3/8	1-3/4	2	2.76	70

2 21

Female Straight

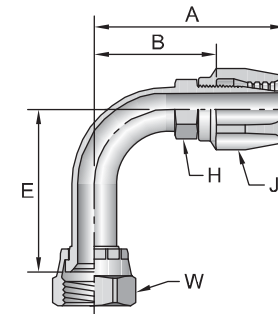
# Order	Hose		Seal inch	Hose		Hose		Hose		Hose		
	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	
23921-4-4	1/4	7/16 x 20	3/16	1.88	48	0.83	21	3/8	9/16	9/16	1.20	30
23921-4-6	1/4	7/16 x 20	5/16	1.95	50	0.83	21	1/2	3/4	9/16	1.17	30
23921-5-5	5/16	1/2 x 20	1/4	2.07	53	0.77	20	7/16	5/8	5/8	1.33	34
23921-6-6	3/8	9/16x18	5/16	2.15	55	0.85	22	1/2	3/4	11/16	1.37	35
23921-8-8	1/2	3/4 x 16	13/32	2.49	63	1.09	28	5/8	7/8	7/8	1.57	40
23921-10-10	5/8	7/8 x 14	1/2	2.69	68	1.23	31	3/4	1-1/16	1	1.69	43
23921-12-12	3/4	1-1/16 x 12	5/8	2.88	73	1.89	48	7/8	1-1/4	1-1/4	1.80	46
23921-16-16	1	1-5/16 x 12	7/8	3.40	86	2.14	54	1-1/8	1-7/16	1-1/2	2.41	61
23921-20-20	1-1/4	1-5/8 x 12	1-1/8	3.64	92	2.59	66	1-3/8	1-3/4	2	2.60	66



2 121

Female Straight

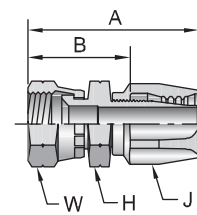
# Order	Hose		Seal inch	Hose		Hose		Hose		Hose		
	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	
24121-4-4	1/4	7/16x20	3/16	1.88	48	2.52	64	3/8	9/16	9/16	1.20	30
24121-6-6	3/8	9/16x18	5/16	2.14	54	2.18	55	1/2	3/4	11/16	1.36	35
24121-8-8	1/2	3/4x16	13/32	2.45	62	2.52	64	5/8	7/8	7/8	1.53	39
24121-10-10	5/8	7/8x14	1/2	2.91	74	2.57	65	3/4	1-1/16	1	1.91	49
24121-20-20	1-1/4	1-5/8x12	1-1/8	3.63	92	5.28	134	1-3/8	1-3/4	2	2.59	66



2 21

Female Straight

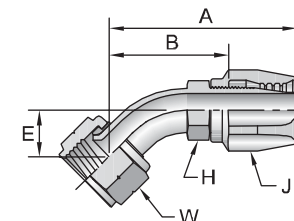
# Order	Hose		Seal inch	Hose		Hose		Hose		Hose	
	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm
20821-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29	
20821-5-5	5/16	1/2x20	1/4	1.91	49	5/8	5/8	5/8	1.17	30	
20821-6-6	3/8	5/8x18	5/16	2.12	54	3/4	3/4	3/4	1.34	34	
20821-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39	
20821-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42	
20821-12-12	3/4	1-1/16x14	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45	



2 21

Female Straight

# Order	Hose		Seal inch	Hose		Hose		Hose		Hose		
	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	
27721-6-6	3/8	5/8x18	5/16	2.26	57	0.40	10	1/2	3/4	3/4	1.48	38
27721-12-12	3/4	1-1/16x14	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56



Notch in nut signifies 45° flare.

A

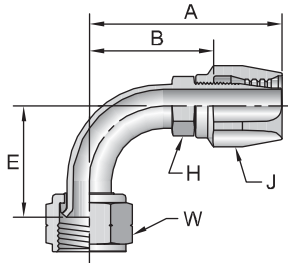
B

C

D

E

A

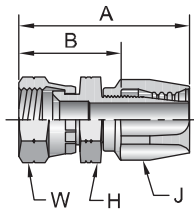


2 21  
Fe e S i e

#	re	se										
rt er	re inch	se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
27921-6-6	3/8	5/8x18	5/16	2.15	55	0.85	22	1/2	3/4	3/4	1.37	35
27921-12-12	3/4	1-1/16x14	5/8	2.88	73	1.89	48	7/8	1-1/4	1-1/4	1.89	46

Notch in nut signifies 45° flare.

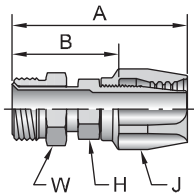
B



2 221  
Fe e S i e

#	re	se										
rt er	re inch	se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
23221-16-16	1	1-5/16x14	7/8	2.70	69			1-1/2	1-7/16	1-1/2	1.71	43

C

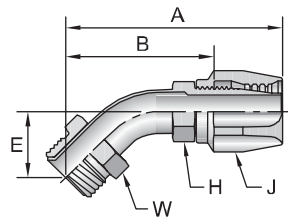


22 21  
e n e r t e S i e

#	re	se										
rt er	re inch	se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
22821-4-4	1/4	7/16x24	3/16	2.36	60			3/8	9/16	7/16	1.68	43
22821-5-4	5/16	1/2x20	3/16	2.32	59			7/16	9/16	1/2	1.64	42
22821-5-5	5/16	1/2x20	1/4	2.34	59			7/16	5/8	1/2	1.60	41
22821-5-6	5/16	1/2x20	5/16	2.47	63			1/2	3/4	1/2	1.69	43
22821-6-6	3/8	5/8x18	5/16	2.45	62			1/2	3/4	5/8	1.67	42
22821-8-8	1/2	3/4x18	13/32	2.84	72			5/8	7/8	3/4	1.92	49
22821-10-10	5/8	7/8x18	1/2	2.91	74			3/4	1-1/16	7/8	1.91	49

D

2 21  
e n e r t e S i e

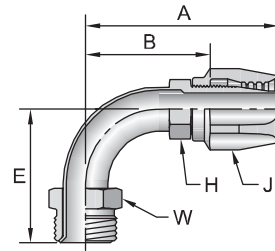


#	re	se										
rt er	re inch	se inch	inch	mm	inch	mm	inch	inch	inch	inch	mm	
26721-4-4	1/4	7/16x24	3/16	2.35	60	0.62	16	3/8	9/16	7/16	1.67	42
26721-5-5	5/16	1/2x20	1/4	2.59	66	0.94	24	7/16	5/8	1/2	1.85	47
26721-6-6	3/8	5/8x18	5/16	2.73	69	0.94	24	1/2	3/4	5/8	1.95	50
26721-8-8	1/2	3/4x18	13/32	3.05	77	0.94	24	5/8	7/8	3/4	2.13	54

E

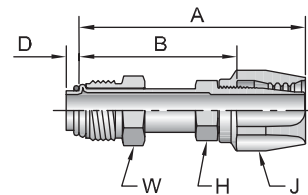
2 21  
e n e r t e S S i e

#	re	se	inch		mm		inch		inch		mm	
			inch	mm	inch	mm	inch	inch	inch	inch	mm	mm
26921-4-4	1/4	7/16x24	3/16	2.45	62	1.56	40	3/8	9/16	7/16	1.77	45
26921-5-5	5/16	1/2x20	1/4	2.25	57	1.65	42	7/16	5/8	1/2	1.51	38
26921-5-6	5/16	1/2x20	5/16	2.38	60	1.65	42	1/2	3/4	1/2	1.60	41
26921-6-6	3/8	5/8x18	5/16	2.37	60	1.63	41	1/2	3/4	5/8	1.59	40
26921-8-8	1/2	3/4x18	13/32	2.63	67	1.78	45	5/8	7/8	3/4	1.71	43
26921-10-10	5/8	7/8x18	1/2	2.96	75	2.17	55	3/4	1-1/16	7/8	1.96	50



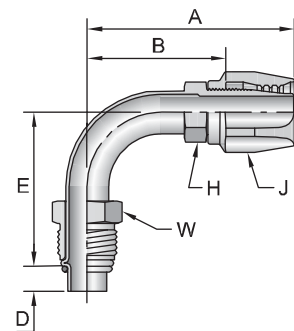
2S 21  
e e S i e S r t i t

#	re	se	inch		mm		inch		inch		mm	
			inch	mm	inch	mm	inch	inch	inch	inch	mm	mm
2S521-6-6	3/8	5/8x18	5/16	2.64	67	0.18	4,7	1/2	3/4	5/8	1.86	47



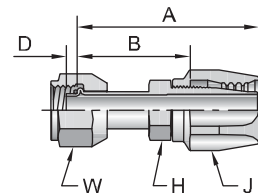
2 21  
e e S i e n g i t

#	re	se	inch		mm		inch		inch		mm			
			inch	mm	inch	mm	inch	inch	inch	inch	mm	mm		
25M21-8-8	1/2	3/4x18	13/32	2.49	63	0.38	9,8	2.12	54	5/8	7/8	3/4	1.57	40
25M21-10-10	5/8	7/8x18	1/2	3.27	83	0.38	9,8	1.95	50	3/4	1-1/16	7/8	2.27	58

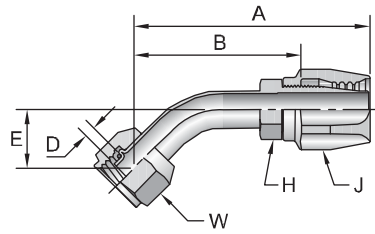


2 S21  
F e e e S i e S r t i t

#	re	se	inch		mm		inch		inch		mm	
			inch	mm	inch	mm	inch	inch	inch	inch	mm	mm
25S21-6-6	3/8	5/8x18	5/16	2.66	68	0.18	4,7	1/2	3/4	3/4	1.88	48
25S21-8-8	1/2	3/4x16	13/32	2.86	73	0.18	4,7	5/8	7/8	7/8	1.94	49



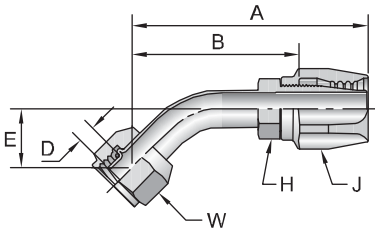
A



2 21  
Fe e e S i e S r t i t

#	re	se	inch		mm		inch		mm		inch		mm	
rt	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25H21-8-8	1/2 3/4x16	13/32	2.74	70	0.18	4,7	0.60	15	5/8	7/8	7/8	1.82	46	

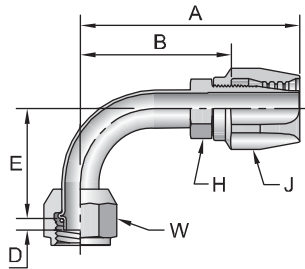
B



2 21  
Fe e e S i e ng i t

#	re	se	inch		mm		inch		mm		inch		mm	
rt	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25N21-8-8	1/2 3/4x16	13/32	3.24	82	0.38	9,8	0.98	25	5/8	7/8	7/8	2.32	59	

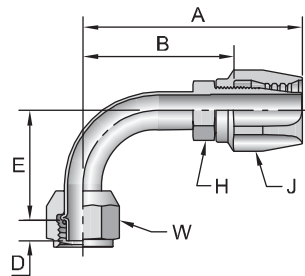
C



2 21  
Fe e e S i e S r t i t

#	re	se	inch		mm		inch		mm		inch		mm	
rt	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25T21-6-6	3/8 5/8x18	5/16	2.35	60	0.18	4,7	1.21	31	1/2	3/4	3/4	1.57	40	
25T21-8-8	1/2 3/4x16	13/32	2.83	72	0.18	4,7	1.31	33	5/8	7/8	7/8	1.91	49	
25T21-10-10	5/8 7/8x14	1/2	3.33	85	0.18	4,7	1.50	38	3/4	1-1/16	1-1/16	2.33	59	

D



2 21  
Fe e e S i e ng i t

#	re	se	inch		mm		inch		mm		inch		mm	
rt	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
25L21-6-6	3/8 5/8x18	5/16	2.28	58	0.28	7,1	1.43	36	1/2	3/4	3/4	1.50	38	
25L21-8-8	1/2 3/4x16	13/32	2.50	64	0.38	9,8	1.46	37	5/8	7/8	7/8	1.58	40	
25L21-10-10	5/8 7/8x14	1/2	2.83	72	0.38	9,8	1.75	44	3/4	1-1/16	1-1/16	1.83	46	

E

## 21 Series

Assembly Instructions

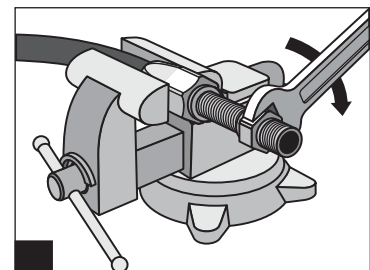
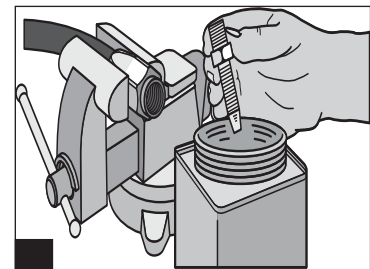
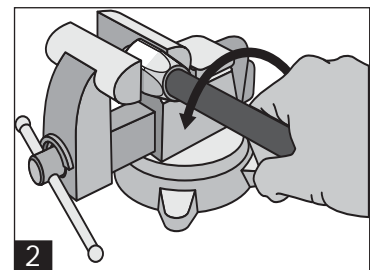
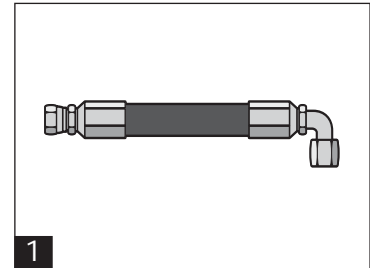
1. Identify overall length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained.
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.
3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.
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 elbow fittings are used.

**Inspection** 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.

**Sealant Instructions for stainless steel fittings** 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.

**Disassembly** Disassemble in reverse order.

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>



A

B

C

D

E