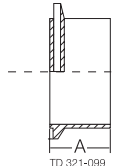
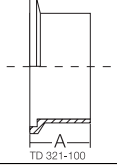
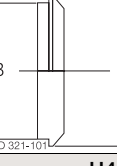
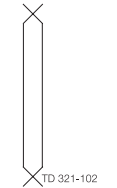
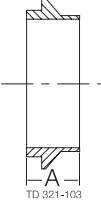
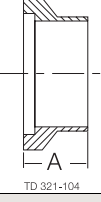
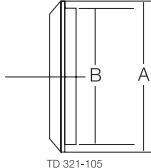
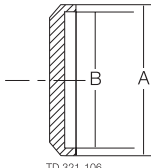


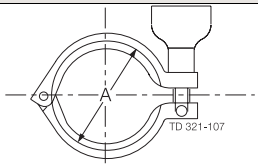


5.4

Item No.	List price \$	Item No.	List price \$	Size		Dimension A		
304		316L		inch	mm	inch	mm	15TRFDC Threaded Short Weld Ferrule #7
9611344622		9611344623		1½	38.1	0.72	18.3	
9611344602		9611344603		2	50.8	0.75	19.1	
9611344632		9611344633		2½	63.5	0.88	22.2	
9611344642		9611344643		3	76.2	0.91	23.0	
9611344652		9611344653		4	101.6	1.03	26.2	
L15ADC Threaded Long Weld Ferrule #7								
9611344982		9611344992		1½	38.1	1.50	38.1	
9611344983		9611344993		2	50.8	1.50	38.1	
9611344984		9611344994		2½	63.5	1.75	44.5	
9611344985		9611344995		3	76.2	1.75	44.5	
9611344986				4	101.6	1.75	44.5	
U - Buna N				inch	mm			DC40 Gasket
8811045				1½	38.1			
8811046				2	50.8			
8811047				2½	63.5			
8811048				3	76.2			
88121294				4	101.6			

Item No.	List price \$	Item No.	List price \$	Size		Dimension				
						A		B		
				inch	mm	inch	mm	inch	mm	
304		316L								H-14W Male Short Weld Ferrule - #7
		88243040		1	25.4	1.00	25.4			 <p>TD 321-099</p>
9611342140		9611342150		1½	38.1	1.00	25.4			
9611342141		9611342151		2	50.8	1.00	25.4			
9611342142		9611342152		2½	63.5	1.00	25.4			
9611342143		9611342153		3	76.2	1.00	25.4			
9611342144		9611342154		4	101.6	1.00	25.4			
H-15W Female Short Weld Ferrule - #7										
		88243031		1	25.4	1.00	25.4			 <p>TD 321-100</p>
9611342040		9611342050		1½	38.1	1.00	25.4			
9611342041		9611342051		2	50.8	1.00	25.4			
9611342042		9611342052		2½	63.5	1.00	25.4			
9611342043		9611342053		3	76.2	1.00	25.4			
9611342044		9611342054		4	101.6	1.00	25.4			
H-16A-14 Male Solid End Cap - #7										
9611341980		9611341990		1½	38.1	2.00	50.8	1.63	41.3	 <p>TD 321-101</p>
9611341981		9611341991		2	50.8	2.50	63.5	2.13	54.0	
Contact AL		9611341992		2½	63.5	3.03	77.0	2.63	66.7	
9611341983		9611341993		3	76.2	3.56	90.5	3.13	79.4	
9611341984		9611341994		4	101.6	4.69	119.1	4.09	104.0	
X - Silicone		U - Buna N								H40 Gasket
88143092				1	25.4					 <p>TD 321-102</p>
88117112				1½	38.1					
88117113		88133583		2	50.8					
88117114		88143695		2½	63.5					
88117115		88138865		3	76.2					
88117116		88136333		4	101.6					

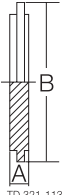


5.4

Item No.	List price \$	Item No.	List price \$	Size		Dimension				
						A		B		
304		316L		inch	mm	inch	mm	inch	mm	HDI-14W Male Short Ferrule
9612016601		9612016701		1	25.4	0.78	19.8			 <p>TD 321-103</p>
9612016602		9612016702		1½	38.1	0.94	23.8			
9612016603		9612016703		2	50.8	1.03	26.2			
9612016604		9612016704		2½	63.5	1.16	29.4			
9612016605		9612016705		3	76.2	1.22	31.0			
9612016606		9612016706		4	101.6	1.34	34.1			
HDI-15W Female Short Ferrule										
9612017401		9612017501		1	25.4	0.78	19.8			 <p>TD 321-104</p>
9612017402		9612017502		1½	38.1	0.94	23.8			
9612017403		9612017503		2	50.8	1.03	26.2			
9612017404		9612017504		2½	63.5	1.16	29.4			
9612017405		9612017505		3	76.2	1.22	31.0			
9612017406		9612017506		4	101.6	1.34	34.1			
HDI-16A-14 Male Solid End Cap										
9612021602		9612021702		1½	38.1	2.00	50.8	1.75	44.5	 <p>TD 321-105</p>
9612021603		9612021703		2	50.8	2.66	67.5	2.25	57.2	
9612021604		9612021704		2½	63.5	3.31	84.1	2.75	69.9	
9612021605		9612021705		3	76.2	3.88	98.4	3.31	84.1	
9612021606		9612021706		4	101.6	4.88	123.8	4.31	109.5	
HDI-16A-15 Female Solid End Cap										
9612021802		9612021902		1½	38.1	2.00	50.8	1.75	44.5	 <p>TD 321-106</p>
9612021803		9612021903		2	50.8	2.66	67.5	2.25	57.2	
9612021804		9612021904		2½	63.5	3.31	84.1	2.75	69.9	
9612021805		9612021905		3	76.2	3.88	98.4	3.31	84.1	
9612021806		9612021906		4	101.6	4.88	123.8	4.31	109.5	

Item No.	List price \$	Item No.	List price \$	Size		Dimension A		
				inch	mm	inch	mm	
304								HDI-13-UD Clamp
9612022102				1½	38.1	2.22	56.4	
9612022103				2	50.8	2.97	75.4	
9612022104				2½	63.5	3.59	91.3	
9612022105				3	76.2	4.16	105.6	
9612022106				4	101.6	5.13	130.2	
E - EPDM		U - Buna N						HDI-40 Gasket
88139829		9612022301		1	25.4			
88139762		9612022302		1½	38.1			
88139763		9612022303		2	50.8			
88143538		9612022304		2½	63.5			
88139851		9612022305		3	76.2			
88139764		9612022306		4	101.6			
G - PTFE (Solid)		SFY - Fluoroelastomer						HDI-40 Gasket
9612022201		9612022401		1	25.4			
9612022202		9612022402		1½	38.1			
9612022203		9612022403		2	50.8			
9612022204		9612022404		2½	63.5			
9612022205		9612022405		3	76.2			
9612022206		9612022406		4	101.6			

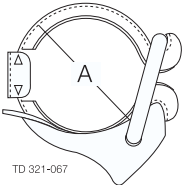
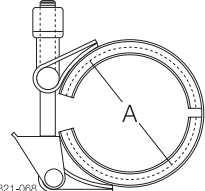
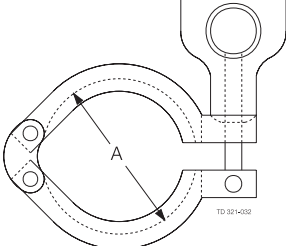
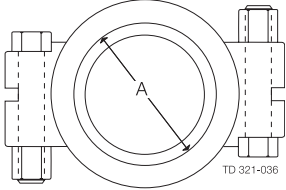
5.4

Item No.	List price \$	Item No.	List price \$	Size		Dimension A		
				inch	mm	inch	mm	
304		316L						14PRFJP Plain Short Weld Ferrule - #7
610229		Not available		1	25.4	0.63	15.9	
618214		610454		1½	38.1	0.66	16.6	
617919		610226		2	50.8	0.66	16.6	
618210		610227		2½	63.5	0.78	19.8	
617918		610414		3	76.2	0.81	20.6	
617914		Contact AL		4	101.6	0.91	23.0	
15TRFJP Threaded Short Weld Ferrule - #7								
618220		Not available		1	25.4	0.69	17.5	
610190		618221		1½	38.1	0.69	17.5	
610216		618228		2	50.8	0.75	19.1	
618229		610228		2½	63.5	0.84	21.4	
610399		618230		3	76.2	0.88	22.2	
618232		610222		4	101.6	1.03	26.2	
L14AJP Plain Long Weld Ferrule - #7								
241609				1½	38.1	1.50	38.1	
242593				2	50.8	1.50	38.1	
243569				2½	63.5	1.75	44.5	
244584				3	76.2	1.75	44.5	
240040				4	101.6	1.75	44.5	
L15AJP Threaded Long Weld Ferrule - #7								
241632				1½	38.1	1.38	34.9	
242621				2	50.8	1.50	38.1	
243626				2½	63.5	1.50	38.1	
240629				3	76.2	1.75	44.5	
245625				4	101.6	1.75	44.5	

Item No.	List price \$	Item No.	List price \$	Size		Dimension				
						A		B		
304		316L		inch	mm	inch	mm	inch	mm	16AJP Plain Solid End Cap - #7
010302				1	25.4	0.44	11.1	1.31	33.3	 <p>TD 321-113</p>
011372				1½	38.1	0.50	12.7	2.84	72.2	
012454				2	50.8	0.53	13.5	2.38	60.3	
013346				2½	63.5	0.56	14.3	2.91	73.8	
014391				3	76.2	0.63	15.9	3.44	87.3	
015473				4	101.6	0.69	17.5	4.50	114.3	
E - EPDM		U - Buna N								40JP Gasket
290227		298188		1	25.4					 <p>TD 321-114</p>
290212		298190		1½	38.1					
290211		298192		2	50.8					
Not available		298194		2½	63.5					
Not available		298196		3	76.2					
Not available		298198		4	101.6					
G - PTFE		SFY - Steam Resistant Fluoroelastomer								40JP Gasket
290245		290193		1	25.4					 <p>TD 321-114</p>
290215		290194		1½	38.1					
290123		290092		2	50.8					
290249		290208		2½	63.5					
290244		290209		3	76.2					
290246		290210		4	101.6					

5.4

Item No.	List price \$	Item No.	List price \$	IPS Nominal Size in inches	Dimension						
					A		B		C		
					inch	mm	inch	mm	inch	mm	
14WMV** Tri-Clamp Short Weld Ferrule - #7											
654019		654041		1	0.50	12.7					
654020		654042		1½	0.50	12.7					
654021		654043		2	0.50	12.7					
654022		654044		2½	0.50	12.7					
654023		654045		3	0.50	12.7					
650032		654047		4	0.63	15.9					
654029		650002		6	1.50	38.1					
654031		650024		8	1.50	38.1					
14WLMV** Tri-Clamp Light Tank Weld Ferrule - #1											
270526		273526		1	3.00	76.2					
270528		273528		1½	3.00	76.2					
270529		273529		2	3.00	76.2					
270530		273530		2½	3.00	76.2					
270531		273531		3	4.00	101.6					
270533		273533		4	4.00	101.6					
270535		273535		6	6.00	152.4					
270536		270067		8	6.00	152.4					
14MVW** Tri-Clamp Tank Weld Ferrule - #7											
273443		270033		1	1.63	41.3	1.19	30.1	1.53	38.9	
270465		273439		1½	1.63	41.3	1.77	45.0	2.11	53.6	
270378		273440		2	1.75	44.5	2.25	57.0	2.59	65.9	
273442		270002		2½	1.75	44.5	2.71	68.7	3.11	79.0	
270382		273441		3	1.81	46.0	3.33	84.7	3.56	90.5	
270276		273445		4	2.13	54.0	4.33	110.1	4.56	115.9	

Item No.	List price \$	IPS Nominal Size in inches	Dimension A		
			inch	mm	
13MHLVA Clamp					
271913		3	4.25	108.0	 <p>TD 321-067</p>
271891		4	5.25	133.4	
A13MV** Light Duty Tri-Clamp with T-Bolt					
270414		3	4.22	107.2	 <p>TD 321-068</p>
270416		4	5.22	132.6	
271914		6	7.32	185.9	
271917		8	9.32	236.7	
271939		10	11.44	290.6	
271941		12	13.44	341.4	
13MHVM** Heavy Duty Tri-Clamp with Wing Nut					
270266		3	4.26	108.2	 <p>TD 321-069</p>
270267		4	5.26	133.6	
270060		6	7.32	185.9	
13MHPV** High Pressure Tri-Clamp					
270100		3	4.18	106.2	 <p>TD 321-036</p>
270001		4	5.18	131.6	

5.4

Item No.	List price \$	Item No.	List price \$	IPS Nominal Size in inches		Dimension				
				inch	mm	A		B		
						inch	mm	inch	mm	
304		316L		inch	mm	inch	mm	inch	mm	16AMV** Tri-Clamp Solid End Cap - #7
270504		273504		3		0.31	7.9	4.13	104.9	
270506		273506		4		0.38	9.7	5.13	130.3	
270508		Contact AL		6		0.44	11.2	7.20	182.9	
270509		270084		8		0.44	11.2	9.20	233.7	
U - Buna N		G - PTFE (Solid)								40MV Tri-Clamp Gasket
298570		298528		1	25.4					
298572		298530		1½	38.1					
298573		298531		2	50.8					
298574		298532		2½	63.5					
298575		298533		3	76.2					
298577		298535		4	101.6					
Not available		298537		6	152.4					
Not available		298538		8	203.2					
Not available		298539		10	254.0					
Not available		290104		12	304.8					
U - Buna N		X - Silicone								40MV Tri-Clamp Flanged Gasket
298519		Not available		2	50.8					
298503		Not available		3	76.2					
298504		290164		4	101.6					
298558		298600		6	152.4					
298559		298601		8	203.2					
298687		298602		10	254.0					
298688		298603		12	304.8					
GR - PTFE with Fluoroelastomer Insert										A40MV-GR Tri-Clamp Teflon Envelope Gasket
290078				1	25.4					
290079				1½	38.1					
290080				2	50.8					
290081				2½	63.5					
290082				3	76.2					
290083				4	101.6					
290084				6	152.4					

Finish: Semi bright
Thread: Round type

Material Item No.	List price \$	Size	Dimension (mm)				Male part
			A	B	C	D	
1.4301 (304)		Inch					
9611-30-0977		25		29.0	52 x 1/6	25.2	
9611-30-632-0		32		32.0	58 x 1/6	32.2	
9611-30-0978		40		33.0	65 x 1/6	38.2	
9611-30-0979		50		35.0	78 x 1/6	51.2	
9611-30-0980		65		40.0	95 x 1/6	63.8	
9611-30-633-0		75		40.0	104 x 1/6	76.3	
9611-30-0981		80		45.0	110 x 1/4	76.3	
9611-30-0983		100		54.0	130 x 1/4	101.9	
							Liner
9611-30-0984		25	44.0	22.0		25.2	
9611-30-638-0		32	50.0	25.0		32.2	
9611-30-0985		40	56.0	26.0		38.2	
9611-30-0986		50	68.0	28.0		51.2	
9611-30-0987		65	86.0	32.0		63.8	
9611-30-639-0		75	95.0	32.0		76.3	
9611-30-0988		80	100.0	37.0		76.3	
9611-30-0990		100	121.0	44.0		101.9	
							Nut
31318-0014-1		25	63.0	21.0	52 x 1/6	36.0	
31318-0014-2		32	70.0	21.0	58 x 1/6	42.0	
31318-0014-3		40	78.0	21.0	65 x 1/6	49.0	
31318-0014-4		50	92.0	22.0	78 x 1/6	62.0	
31318-0014-5		65	112.0	25.0	95 x 1/6	80.0	
9611-30-644-0		75	120.0	26.0	104 x 1/6	87.0	
31318-0014-6		80	127.0	30.0	110 x 1/4	94.0	
31318-0014-8		100	148.0	31.0	130 x 1/4	115.0	

Finish: Semi bright
Thread: Round type

5.4

Material Item No.	List price \$	Material Item No.	List price \$	Size	Dimension (mm)			
1.4307 (304L)		1.4404 (316L)		Inch	OD/ID x t	B	C	Male part
9612-1579-01		9612-1579-17		25	25.4/22.9 x 1.25	29.0	52 x 1/6	
9612-1579-02		9612-1579-18		32	31.8/29.3 x 1.25	32.0	58 x 1/6	
9612-1579-03		9612-1579-19		40	38.1/35.1 x 1.5	33.0	65 x 1/6	
9612-1579-04		9612-1579-20		50	50.8/47.8 x 1.5	35.0	78 x 1/6	
9612-1579-05		9612-1579-21		65	63.5/60.5 x 1.5	40.0	95 x 1/6	
9612-1579-06		9612-1579-22		75	76.1/73.1 x 1.5	40.0	104 x 1/6	
9612-1579-07		9612-1579-23		80	76.1/72.1 x 2.0	45.0	110 x 1/4	
9612-1579-08		9612-1579-24		100	101.6/97.6 x 2.0	54.0	130 x 1/4	
1.4307 (304L)		1.4404 (316L)		Inch	OD/ID x t	A	B	
9612-1580-01		9612-1580-17		25	25.4/22.9 x 1.25	44.0	22.0	
9612-1580-02		9612-1580-18		32	31.8/29.3 x 1.25	50.0	25.0	
9612-1580-03		9612-1580-19		40	38.1/35.1 x 1.5	56.0	26.0	
9612-1580-04		9612-1580-20		50	50.8/47.8 x 1.5	68.5	28.0	
9612-1580-05		9612-1580-21		65	63.5/60.5 x 1.5	86.0	32.0	
9612-1580-06		9612-1580-22		75	76.1/73.1 x 1.5	93.7	32.0	
9612-1580-07		9612-1580-23		80	76.1/72.1 x 2.0	100.0	37.0	
9612-1580-08		9612-1580-24		100	101.6/97.6 x 2.0	121.0	44.0	
1.4307 (304L)				Inch	OD/ID x t	A	B	
31318-0014-1				25	63.0 21.0	52 x 1/6	36.0	
31318-0014-2				32	70.0 21.0	58 x 1/6	42.0	
31318-0014-3				40	78.0 21.0	65 x 1/6	49.0	
31318-0014-4				50	92.0 22.0	78 x 1/6	62.0	
31318-0014-5				65	112.0 25.0	95 x 1/6	80.0	
9611-30-644-0				75	120.0 26.0	104 x 1/6	87.0	
31318-0014-6				80	127.0 30.0	110 x 1/4	94.0	
31318-0014-8				100	148.0 31.0	130 x 1/4	115.0	

Finish: Semi bright
Thread: Round type

Material Item No.	List price \$	Material Item No.	List price \$	Size	Dimension (mm)			Male part	
					OD/ID x t	B	C		
1.4307 (304L)		1.4404 (316L)		Inch					
31318-0007-2		31318-0007-1		25	25.0/22.6 x 1.25	22.0	52 x 1/6		
31318-0008-2		31318-0008-1		32	31.8/29.3 x 1.25	22.0	58 x 1/6		
31318-0009-2		31318-0009-1		40	38.1/35.1 x 1.5	22.0	65 x 1/6		
31318-0010-2		31318-0010-1		50	50.8/47.8 x 1.5	22.0	78 x 1/6		
31318-0011-2		31318-0011-1		65	63.5/60.3 x 1.5	25.0	95 x 1/6		
9611-30-602-0		9611-30-602-1		75	76.1/73.1 x 1.5	30.0	104 x 1/6		
31318-0012-2		31318-0012-1		80	76.1/72.1 x 2.0	30.0	110 x 1/4		
31318-0034-2		31318-0034-1		100	101.6/97.6 x 2.0	30.0	130 x 1/4		
1.4307 (304L)		1.4404 (316L)		Inch	OD/ID x t	A	B	Liner	
31318-0018-2		31318-0018-1		25	25.0/22.6 x 1.25	44.0	18.0		
9611-30-0721		9611-33-0721		32	31.8/29.3 x 1.25	50.0	15.0		
31318-0019-2		31318-0019-1		40	38.1/35.1 x 1.5	56.0	18.0		
31318-0020-2		31318-0020-1		50	50.8/47.8 x 1.5	68.0	20.0		
31318-0021-2		31318-0021-1		65	63.5/60.3 x 1.5	86.0	20.0		
9611-30-607-0		9611-30-607-1		75	76.1/73.1 x 1.5	95.0	20.0		
31318-0022-2		31318-0022-1		80	76.1/72.1 x 2.0	100.0	20.0		
31318-0023-2		31318-0023-1		100	101.6/97.6 x 2.0	121.0	23.0		
1.4307 (304L)				Inch	A	B	C	D	Nut
31318-0014-1				25	63.0	21.0	52 x 1/6	36.0	
31318-0014-2				32	70.0	21.0	58 x 1/6	42.0	
31318-0014-3				40	78.0	21.0	65 x 1/6	49.0	
31318-0014-4				50	92.0	22.0	78 x 1/6	62.0	
31318-0014-5				65	112.0	25.0	95 x 1/6	80.0	
9611-30-644-0				75	120.0	26.0	104 x 1/6	87.0	
31318-0014-6				80	127.0	30.0	110 x 1/4	94.0	
31318-0014-8				100	148.0	31.0	130 x 1/4	115.0	

Finish: See below
Thread: Round type

5.4

Material Item No.	List price \$	Size	Dimension (mm)				ID ₂	Reducing liner, semi bright
			OD ₁ /ID ₁ x t ₁	A	B			
1.4404 (316L)		Inch						
9611-30-735-0		32/25	25.0/22.6 x 1.2	50.0	18.0	32.0		
9611-30-735-1		40/25	25.0/22.6 x 1.2	56.0	18.0	38.0		
9611-30-735-2		40/32	33.7/31.3 x 1.2	56.0	18.0	38.0		
9611-30-735-3		50/38	38.0/35.6 x 1.2	68.0	20.0	50.0		
9611-30-735-4		65/51	51.0/48.6 x 1.2	86.0	20.0	66.0		
9611-30-735-5		80/51	51.0/48.6 x 1.2	100.0	20.0	81.0		
9611-30-735-6		80/63.5	63.5/60.3 x 1.6	100.0	20.0	81.0		
9611-30-735-7		100/76.1	76.1/72.9 x 1.6	121.0	23.0	100.0		
1.4404 (316L)		Inch						
			OD ₁ /ID ₁ x t ₁	B	C	ID ₂	Reducing male part, Semi bright	
9611-30-734-0		32/25	25.0/22.6 x 1.2	22.0	58 x 1/6	32.0		
9611-30-734-1		40/25	25.0/22.6 x 1.2	22.0	65 x 1/6	38.0		
9611-30-734-2		40/32	33.7/31.3 x 1.2	22.0	65 x 1/6	38.0		
9611-30-734-3		50/38	38.0/35.6 x 1.2	22.0	78 x 1/6	50.0		
9611-30-734-4		65/51	51.0/48.6 x 1.2	27.0	95 x 1/6	66.0		
9611-30-734-5		80/51	51.0/48.6 x 1.2	32.0	110 x 1/4	81.0		
9611-30-734-6		80/63.5	63.5/60.3 x 1.6	32.0	110 x 1/4	81.0		
9611-30-734-7		100/76.1	76.1/72.9 x 1.6	33.0	130 x 1/4	100.0		

Item No.	List price \$	Item No.	List price \$	Item No.	List price \$	Size	Dimension (mm)				
NBR		EPDM		FPM		Inch	A	B	D	Seal ring	
527346-04		9611-99-1269		9611-99-1864		25	40.0	5.0	30.0		
527346-05		9611-99-1270		9611-99-1865		32	46.0	5.0	36.0		
527346-06		9611-99-1271		9611-99-1866		40	52.0	5.0	42.0		
527346-07		9611-99-1272		9611-99-1867		50	64.0	5.0	54.0		
527346-08		9611-99-1273		9611-99-1868		65	81.0	5.0	71.0		
9611-99-1264		9611-99-1274		9611-99-1869		75	88.0	5.0	78.0		
527346-09		9611-99-1275		9611-99-1128		80	95.0	5.0	85.0		
527346-11		9611-99-1276		9611-99-1870		100	114.0	6.0	104.0		
Silicone (Q)		PTFE									Seal ring
9611-99-1920		9611-99-1876				25	40.0	5.0	30.0		
9611-99-1921		9611-99-1877				32	46.0	5.0	36.0		
9611-99-1922		9611-99-1878				40	52.0	5.0	42.0		
9611-99-1923		9611-99-1879				50	64.0	5.0	54.0		
9611-99-1924		9611-99-1880				65	81.0	5.0	71.0		
9611-99-1925		9611-99-1881				75	88.0	5.0	78.0		
9611-99-1926		9611-99-1882				80	95.0	5.0	85.0		
9611-99-1927		9611-99-1883				100	114.0	6.0	104.0		