



ICORE INTERNATIONAL

*Fluid Transfer Systems*

## *AEROSPACE QUALIFIED HOSE AND END FITTINGS*

The reputation earned by PTFE flexible pressure hose is amongst the finest in the business. For over twenty years we have specialised in manufacturing to the most stringent specifications - where hose must perform in the most demanding circumstances, such as oil exploration, corrosive fluid transfer, military equipment and naval vessels.

From this technological background, we have developed our aerospace qualified convoluted hose, designed specifically to meet the most rigorous requirements of the industry.

The following ranges are shown in standard configurations only and it should be noted that we have the design and manufacturing capability to meet any non-standard needs,

including special compound tube bends.

If you have any questions or need any advice regarding non-standard items, please contact Icore's technical department.

### *TYPICAL APPLICATIONS*

The 4600 Nomex™\* non-conductive braided hose meets the requirements of AS 1227 and is ideal for use on oxygen, instrumentation, potable water and coolant lines for radar, aircraft and ground support. Operating temperature range is -54°C to +135°C.

The 6600 stainless steel braided hose complies with AS 620 (BSM 57, ISO 7313) and is ideal for use in hydraulic returns, engine fuel, oil and coolant lines for aircraft and ground support. Operating temperature range is -54°C + 204°C.

For details of Chafe Sleeves and Fire Sleeves, please see datasheet.

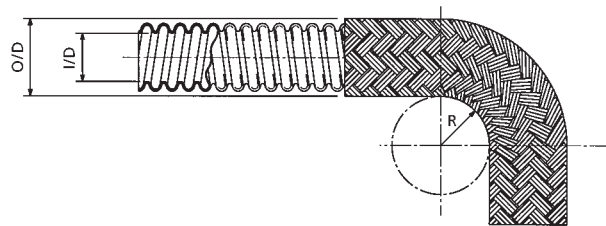
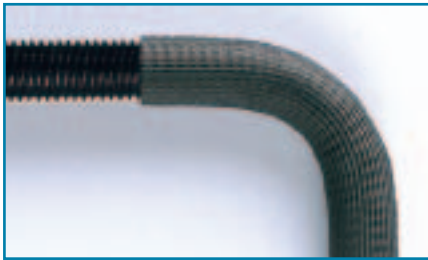
\*Nomex is a trade name of Du Pont



## TYPE 4600 LIGHTWEIGHT HOSE

Convuluted PTFE hose with a static dissipating liner in the bore and covered with a closely

woven Nomex™ fibre braid. Meets the requirements of AS1227.

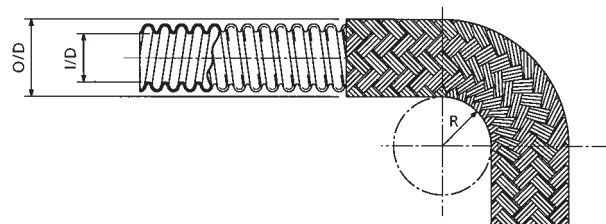
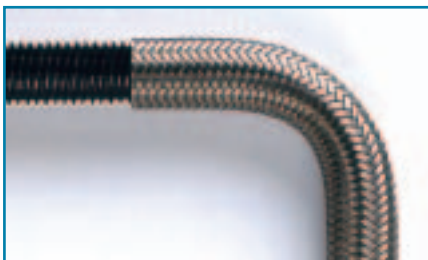


Hose Part No.	Nom. Hose Size		I/D Min. mm	O/D Nom. mm	Min. Bend Radius mm	Max. Operating Pressure		Vacuum Rating mm Hg	Weight kg/m Max.
	ins	mm				bar	psi		
4604	¼"	6.35	6.89	11.55	12.70	20.68	300	711	0.067
4606	⅜"	9.53	9.02	14.09	19.05	20.68	300	711	0.090
4608	½"	12.70	12.95	19.18	25.40	17.24	250	711	0.184
4610	⅝"	15.88	15.24	21.59	38.10	17.24	250	711	0.202
4612	¾"	19.05	19.43	26.92	50.80	13.79	200	711	0.274
4616	1"	25.40	24.89	32.26	76.2	13.79	200	711	0.357

## TYPE 6600 STAINLESS STEEL BRAIDED HOSE

Convuluted PTFE hose with a static dissipating liner in the bore and covered with a stainless

steel wire braid. Meets the requirements of AS 620, BSM 57, 1SO 7313.



Hose Part No.	Nom. Hose Size		I/D Min. mm	O/D Nom. mm	Min. Bend Radius mm	Max. Operating Pressure		Vacuum Rating mm Hg	Weight kg/m Max.
	ins	mm				bar	psi		
6604	¼"	6.35	6.86	11.55	32	68.95	1000	711	0.125
6606	⅜"	9.53	9.02	14.09	57	68.95	1000	711	0.179
6608	½"	12.70	12.95	19.10	73	68.95	1000	711	0.268
6610	⅝"	15.88	15.24	21.59	76	68.95	1000	711	0.357
6612	¾"	19.05	19.43	26.92	95	68.95	1000	711	0.446
6616	1"	25.40	24.89	32.26	127	68.95	1000	711	0.536
6620	1¼"	31.75	30.99	38.76	159	68.95	1000	508	0.893
6624	1½"	38.10	37.59	45.47	191	51.71	750	305	1.071
6632	2"	50.80	49.20	59.06	254	17.24	250	127	1.607

For details of Chafe Sleeves and Fire Sleeves, please see datasheet.



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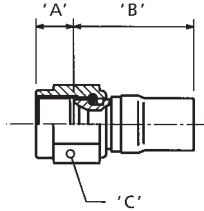
UK/USA Icore International Ltd. 220 Bedford Avenue, Slough SL1 4RY Tel: +44 (0)1753 896600 Fax: +44 (0)1753 896601  
WEB SITE [www.icoregroup.com](http://www.icoregroup.com)

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# ALUMINIUM END FITTINGS FOR HOSE TYPE 4600

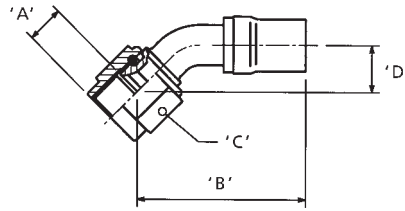
**CONSTRUCTION** Aluminium alloy, anodised.

**F3** (Order Configuration Code)  
JIC female swivel straight.  
Mates with AS 4395 and MS 33656.



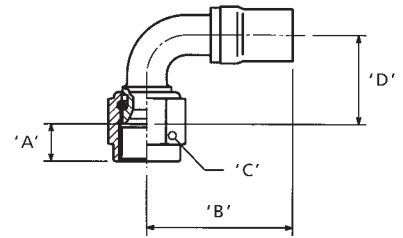
Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF-20	9.4	29.01	14.27	--
06	9/16" UNJF-18	9.5	35.01	17.47	--
08	3/4" UNJF-16	11.1	40.65	22.22	--
10	7/8" UNJF-14	13.8	44.25	25.40	--
12	1 1/16" UNJF-12	14.2	45.13	31.75	--
16	1 1/8" UNJF-12	15.7	47.74	38.10	--

**G3** (Order Configuration Code)  
JIC female swivel 45° elbow.  
Mates with AS 4395 and MS 33656.



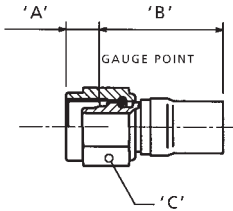
Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF	9.4	35.56	14.27	8.81
06	9/16" UNJF	9.5	45.72	17.47	11.96
08	3/4" UNJF	11.1	55.24	22.22	14.53
10	7/8" UNJF	13.8	61.30	25.40	16.33
12	1 1/16" UNJF	14.2	70.23	31.75	17.25
16	1 1/8" UNJF	15.7	77.34	38.10	20.06

**H3** (Order Configuration Code)  
JIC female swivel 90° elbow.  
Mates with AS 4395 and MS 33656.



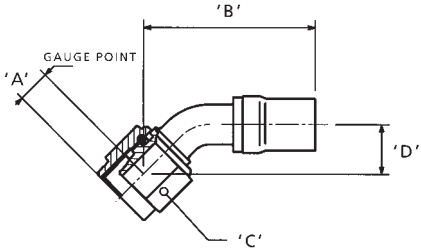
Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF	9.4	29.72	14.27	16.30
06	9/16" UNJF	9.5	39.62	17.47	22.60
08	3/4" UNJF	11.1	45.52	22.22	28.10
10	7/8" UNJF	13.8	54.10	25.40	32.50
12	1 1/16" UNJF	14.2	64.52	31.75	35.60
16	1 1/8" UNJF	15.7	75.18	38.10	43.30

**K3** (Order Configuration Code)  
Flareless female swivel straight.  
Mates with AS 4375 and MS 33514.  
Fitting design to NAS1760



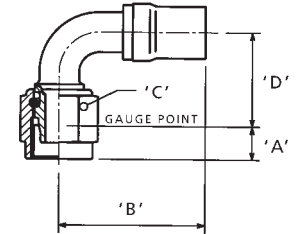
Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF	8.1	30.26	14.27	--
06	9/16" UNJF	8.2	36.34	17.47	--
08	3/4" UNJF	9.3	42.25	22.22	--
10	7/8" UNJF	10.0	46.97	25.40	--
12	1 1/16" UNJF	10.6	48.82	31.75	--
16	1 1/8" UNJF	10.7	51.28	38.10	--

**L3** (Order Configuration Code)  
Flareless female swivel 45° elbow.  
Mates with AS 4375 and MS 33514.  
Fitting design to NAS1760



Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF	8.1	37.08	14.27	10.64
06	9/16" UNJF	8.2	47.50	17.47	13.82
08	3/4" UNJF	9.3	53.34	22.22	15.29
10	7/8" UNJF	10.0	63.00	25.40	18.67
12	1 1/16" UNJF	10.6	71.37	31.75	18.67
16	1 1/8" UNJF	10.7	79.24	38.10	23.77

**M3** (Order Configuration Code)  
Flareless female swivel 90° elbow.  
Mates with AS 4375 and MS 33514.  
Fitting design to NAS1760



Hose Size	Thread Size Class 3B	A Ref.	B Max.	C Ref.	D Max.
04	7/16" UNJF	8.1	29.72	14.27	18.90
06	9/16" UNJF	8.2	39.62	17.47	25.47
08	3/4" UNJF	9.3	45.21	22.22	29.18
10	7/8" UNJF	10.0	54.10	25.40	35.84
12	1 1/16" UNJF	10.6	64.52	31.75	37.82
16	1 1/8" UNJF	10.7	75.18	38.10	48.62

The items shown on these pages comprise our standard range of fittings. Non-standard 'specials' can be made to order. Please contact our engineering department for further information.

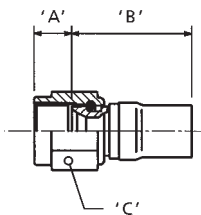


# STAINLESS STEEL END FITTINGS FOR HOSE TYPE 6600

**CONSTRUCTION** Stainless steel, passivated.

## F7 (Order Configuration Code)

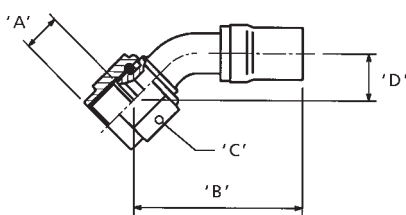
JIC Female swivel straight.  
Mates with AS 4395 and MS 33656.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	9.40	29.00	14.27	--
06	1/2" UNJF	9.50	35.00	17.47	--
08	5/8" UNJF	11.10	40.65	22.22	--
10	3/4" UNJF	13.80	44.29	38.40	--
12	1 1/8" UNJF	14.20	45.13	31.75	--
16	1 1/2" UNJF	15.70	47.74	38.10	--
20	1 3/4" UNJF	15.70	58.42	50.80	--
24	2" UNJF	19.43	59.00	57.15	--
32	2 1/2" UNJF	23.80	76.00	73.02	--

## G7 (Order Configuration Code)

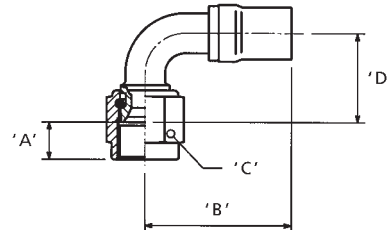
JIC Female swivel 45° elbow.  
Mates with AS 4395 and MS 33656.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	9.40	35.56	14.27	8.81
06	1/2" UNJF	9.50	45.72	17.47	11.96
08	5/8" UNJF	11.10	55.24	22.22	14.53
10	3/4" UNJF	13.80	61.34	25.40	16.33
12	1 1/8" UNJF	14.20	70.23	31.75	17.25
16	1 1/2" UNJF	15.70	77.34	38.10	20.06
20	1 3/4" UNJF	15.70	91.70	50.8	23.60
24	2" UNJF	19.43	97.70	57.15	26.70
32	2 1/2" UNJF	23.80	124.00	73.02	34.10

## H7 (Order Configuration Code)

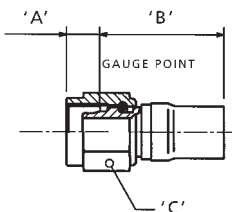
JIC Female swivel 90° elbow.  
Mates with AS 4395 and MS 33656.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	9.40	29.72	14.27	16.30
06	1/2" UNJF	9.50	39.62	17.47	22.60
08	5/8" UNJF	11.10	45.52	22.22	28.10
10	3/4" UNJF	13.80	54.10	25.40	32.50
12	1 1/8" UNJF	14.20	64.52	31.75	35.60
16	1 1/2" UNJF	15.70	75.18	38.10	43.30
20	1 3/4" UNJF	15.70	86.00	50.80	52.10
24	2" UNJF	19.43	92.80	57.15	60.20
32	2 1/2" UNJF	23.80	119.00	73.02	78.10

## K7 (Order Configuration Code)

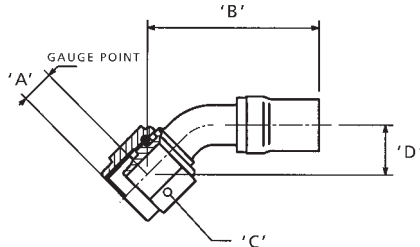
Flareless Female swivel straight.  
Mates with AS 4375 and MS 33514.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	8.10	30.26	14.27	--
06	1/2" UNJF	8.20	36.34	17.47	--
08	5/8" UNJF	9.30	42.25	22.22	--
10	3/4" UNJF	10.00	46.97	25.40	--
12	1 1/8" UNJF	10.60	48.82	31.75	--
16	1 1/2" UNJF	10.70	51.28	38.10	--
20	1 3/4" UNJF	11.43	62.48	46.02	--
24	2" UNJF	11.30	66.30	53.97	--

## L7 (Order Configuration Code)

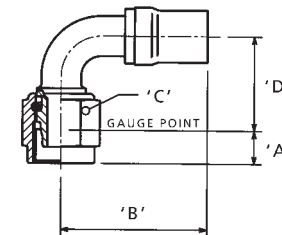
Flareless Female swivel 45° elbow.  
Mates with AS 4375 and MS 33514.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	8.10	37.08	14.27	10.64
06	1/2" UNJF	8.20	47.50	17.47	13.82
08	5/8" UNJF	9.30	53.34	22.22	15.29
10	3/4" UNJF	10.00	63.00	25.40	18.67
12	1 1/8" UNJF	10.60	71.37	31.75	18.67
16	1 1/2" UNJF	10.70	79.24	38.10	23.77
20	1 3/4" UNJF	11.43	94.48	46.02	27.38
24	2" UNJF	11.30	103.38	53.97	33.17

## M7 (Order Configuration Code)

Flareless Female swivel 90° elbow.  
Mates with AS 4375 and MS 33514.



Hose Size	Thread Size	A Ref.	B Max.	C Ref.	D Max.
04	3/8" UNJF	8.10	29.72	14.27	18.90
06	1/2" UNJF	8.20	39.62	17.47	25.47
08	5/8" UNJF	9.30	45.21	22.22	29.18
10	3/4" UNJF	10.00	54.10	25.40	35.84
12	1 1/8" UNJF	10.60	64.52	31.75	37.82
16	1 1/2" UNJF	10.70	75.18	38.10	48.62
20	1 3/4" UNJF	11.43	86.00	46.02	57.10
24	2" UNJF	11.30	92.80	53.97	69.04

The items shown on these pages comprise our standard range of fittings. Non-standard 'specials' can be made to order. Please contact our engineering department for further information.

