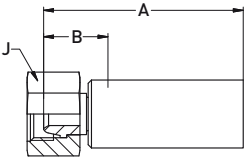


1C38X – Metric female swivel light series

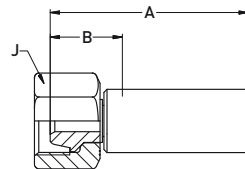


MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1C38X-8-06	10	-06	9.5	3/8	M14x1.5	61	21	19	42.0	6,090	6.8	23.8
1C38X-10-06	10	-06	9.5	3/8	M16x1.5	49	20	22	57.5	8,340	6.8	23.8
1C38X-12-06	10	-06	9.5	3/8	M18x1.5	48	19	22	57.5	8,340	6.8	23.8
1C38X-12-08	12	-08	12.7	1/2	M18x1.5	52	20	24	55.0	7,975	8.8	29.5
1C38X-15-08	12	-08	12.7	1/2	M22x1.5	51	20	27	55.0	7,975	8.8	29.5

1C68X – Metric female swivel heavy series

MATERIAL Carbon steel, zinc plated

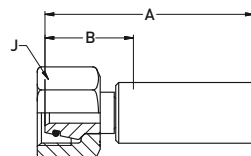


#						A	B			Nipple ID	Ferrule OD	
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1C68X-14-06	10	-06	9.5	3/8	M22x1.5	64	24	27	63.0	9,135	6.8	23.8
1C68X-16-08	12	-08	12.7	1/2	M24x1.5	67	24	30	55.0	7,975	8.8	29.5

1C98X – Metric female swivel heavy series with O-ring

ISO 12151-2

MATERIAL Carbon steel, zinc plated



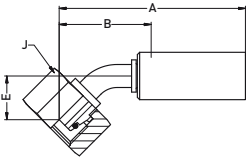
#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1C98X-8-025	4	-025	4	5/32	M16x1.5	54	27	19	75.0	10,875	2.3	13.2
1C98X-12-06	10	-06	9.5	3/8	M20x1.5	70	30	24	63.0	9,135	6.8	23.8
1C98X-14-06	10	-06	9.5	3/8	M22x1.5	71	30	27	63.0	9,135	6.8	23.8
1C98X-16-08	12	-08	12.7	1/2	M24x1.5	78	35	30	63.0	9,135	8.8	29.5

Hoses with design factor 4:1
10C8X – 11C8X

10C8X – Metric female swivel heavy series
with O-ring, 45° elbow

ISO 12151-2

MATERIAL Carbon steel, zinc plated

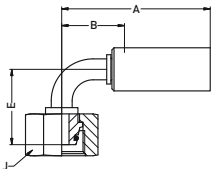


#						A	B	E				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	mm	MPa	psi	mm	mm
10C8X-12-06	10	-06	9.5	3/8	M20x1.5	81	40	19	24	63.0	9,135	6.8	23.8
10C8X-14-06	10	-06	9.5	3/8	M22x1.5	81	40	19	27	63.0	9,135	6.8	23.8
10C8X-16-08	12	-08	12.7	1/2	M24x1.5	96	53	23	30	63.0	9,135	8.8	29.5

11C8X – Metric female swivel heavy series
with O-ring, 90° elbow

ISO 12151-2

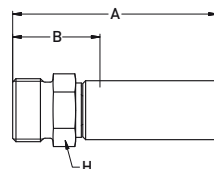
MATERIAL Carbon steel, zinc plated



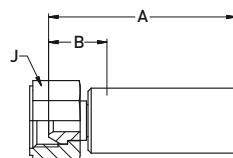
#						A	B	E				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	mm	MPa	psi	mm	mm
11C8X-14-06	10	-06	9.5	3/8	M22x1.5	71	30	36	27	63.0	9,135	6.8	23.8
11C8X-16-08	12	-08	12.7	1/2	M24x1.5	85	42	44	30	63.0	9,135	8.8	29.5

1D28X – Metric male heavy series

ISO 12151-2

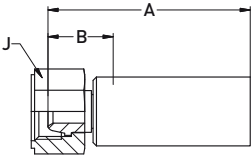
MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1D28X-12-06	10	-06	9.5	3/8	M20x1.5	69	29	22	63.0	9,135	6.8	23.8
1D28X-14-06	10	-06	9.5	3/8	M22x1.5	71	31	22	63.0	9,135	6.8	23.8
1D28X-16-08	12	-08	12.7	1/2	M24x1.5	74	31	24	63.0	9,135	8.8	29.5

1928X – BSP female swivel (60° cone)**MATERIAL** Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1928X-4-025	4	-025	4.0	5/32	G 1/4	48	20	19	75.0	10,875	2.3	13.2
1928X-6-06	10	-06	9.5	3/8	G 3/8	59	19	22	57.5	8,340	6.8	23.8
1928X-8-06	10	-06	9.5	3/8	G 1/2	60	20	27	57.5	8,340	6.8	23.8
1928X-8-08	12	-08	12.7	1/2	G 1/2	63	20	27	55.0	7,975	8.8	29.5

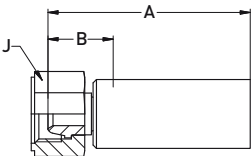
1U08X – BSP female swivel (ballnose)



MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1U08X-6-06	10	-06	9.5	3/8	G 3/8	61	20	22	57.5	8,340	6.8	23.8
1U08X-8-06	10	-06	9.5	3/8	G 1/2	61	20	27	53.5	7,755	6.8	23.8
1U08X-8-08	12	-08	12.7	1/2	G 1/2	61	22	27	55.0	7,975	6.8	23.8

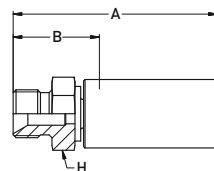
1U08X – BSP female swivel (ballnose)
With stainless steel nipple



MATERIAL Carbon steel, zinc plated (shell and nut)
stainless steel nipple (material 1.4301)

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1U08X-6-06C2W	10	-06	9.5	3/8	G 3/8	61	20	22	57.5	8,340	6.8	23.8
1U08X-8-06C2W	10	-06	9.5	3/8	G 1/2	61	20	27	53.5	7,755	6.8	23.8

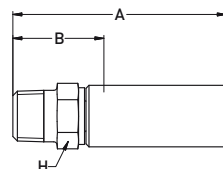
13B8X – BSP male



MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
13B8X-4-025	4	-025	4.0	5/32	G 1/4	57	30	17	75.0	10,875	2.3	13.2
13B8X-6-06	10	-06	9.5	3/8	G 3/8	71	30	22	57.5	8,340	6.8	23.8
13B8X-8-06	10	-06	9.5	3/8	G 1/2	76	35	22	57.5	8,340	6.8	23.8
13B8X-8-08	12	-08	12.7	1/2	G 1/2	79	35	24	55.0	7,974	8.8	29.5

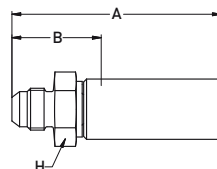
1018X – NPT male



MATERIAL Carbon steel, zinc plated

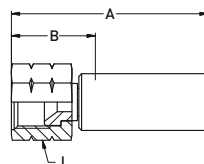
#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1018X-2-025	4	-025	4.0	5/32	1/8 NPT	51	24	8	75.0	10,875	2.3	13.2
1018X-4-025	4	-025	4.0	5/32	1/4 NPT	59	32	13	75.0	10,875	2.3	13.2
1018X-6-06	10	-06	9.5	3/8	3/8 NPT	71	31	19	103.4	15,000	6.8	23.8
1018X-8-06	10	-06	9.5	3/8	1/2 NPT	76	36	22	103.4	15,000	6.8	23.8
1018X-8-08	12	-08	12.7	1/2	1/2 NPT	79	37	22	103.4	15,000	8.8	29.5

1038X – JIC male


MATERIAL Carbon steel, zinc plated

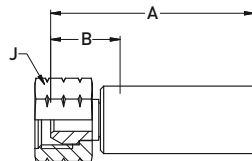
#	⊙					A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1038X-6-06	10	-06	9.5	3/8	9/16 - 18UNF	70	30	22	53.5	7,755	6.8	23.8
1038X-8-06	10	-06	9.5	3/8	3/4 - 16UNF	74	34	22	69.0	10,000	6.8	23.8
1038X-8-08	12	-08	12.7	1/2	3/4 - 16UNF	77	35	22	69.0	10,000	8.8	29.5
1038X-10-08	12	-08	12.7	1/2	7/8 - 14UNF	83	40	24	55.0	7,974	8.8	29.5

1068X – JIC female swivel


MATERIAL Carbon steel, zinc plated, C: Stainless steel

#	⊙					A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1068X-4-025	4	-025	4.0	5/32	7/16 - 20 UNF	55	27	14	69	10,000	2.3	13.2
1068X-6-025	4	-025	4.0	5/32	9/16 - 18 UNF	51	24	19	75	10,875	2.3	13.2
1068X-6-06	10	-06	9.5	3/8	9/16 - 18 UNF	59	18	22	69	10,000	6.8	23.8
1068X-6-06C	10	-06	9.5	3/8	9/16 - 18 UNF	59	18	22	69	10,000	6.8	23.8
1068X-8-06	10	-06	9.5	3/8	3/4 - 16 UNF	59	19	24	69	10,000	6.8	23.8
1068X-8-08	12	-08	12.7	1/2	3/4 - 16 UNF	64	21	27	69	10,000	8.8	29.5
1068X-8-08C	12	-08	12.7	1/2	3/4 - 16 UNF	64	21	27	69	10,000	8.8	29.5
1068X-10-08	12	-08	12.7	1/2	7/8 - 14 UNF	62	19	27	69	10,000	8.8	29.5

1078X – NPSM female swivel

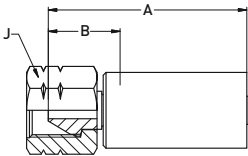


MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1078X-6-06	10	-06	9.5	3/8	3/8 - 18NPSM	50	21	22	57.5	8,340	6.8	23.8
1078X-6-06C	10	-06	9.5	3/8	3/8 - 18NPSM	50	21	22	57.5	8,340	6.8	23.8
1078X-8-08	12	-08	12.7	1/2	1/2 - 14NPSM	50	19	27	55.0	7,975	8.8	29.5
1078X-8-08C	12	-08	12.7	1/2	1/2 - 14NPSM	50	19	27	55.0	7,975	8.8	29.5

Hoses with design factor 4:1
1AY8X – 1158X

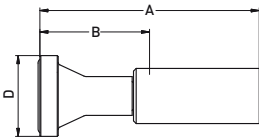
1AY8X – Type “M” female swivel



MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1AY8X-6-025	4	-025	4.0	5/32	9/16 - 18 UNF	56	28	19	75	10,875	2.3	13.2

1158X – SAE code 61 flange
ISO 12151-3



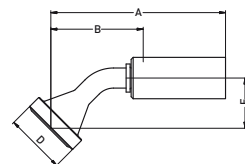
MATERIAL Carbon steel, zinc plated

#					A	B	D			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	MPa	psi	mm	mm
1158X-8-08	12	-08	12.7	1/2	87	44	30	21	3,000	8.8	29.5

1178X – SAE code 61 flange 45° elbow

ISO 12151-3

MATERIAL Carbon steel, zinc plated

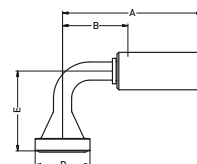


#					A	B	D	E			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	mm	MPa	psi	mm	mm
1178X-8-08	12	-08	12.7	1/2	95	53	30	20	55.0	7,974	8.8	29.5

1198X – SAE code 61 flange 90° elbow

ISO 12151-3

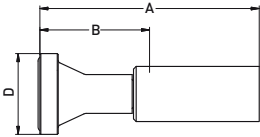
MATERIAL Carbon steel, zinc plated



#					A	B	D	E			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	mm	MPa	psi	mm	mm
1198X-8-08	12	-08	12.7	1/2	78	35	30	44	55.0	7,974	8.8	29.5

Hoses with design factor 4:1
16A8X – 16F8X

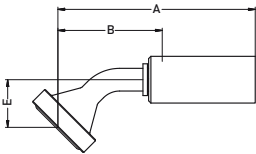
16A8X – SAE code 62 flange
ISO 12151-3



MATERIAL Carbon steel, zinc plated

#					A	B	D			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	MPa	psi	mm	mm
16A8X-8-08	12	-08	12.7	1/2	88	45	32	55.0	7,974	8.8	29.5

16F8X – SAE code 62 flange
45° elbow
ISO 12151-3



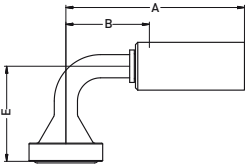
MATERIAL Carbon steel, zinc plated

#					A	B	D	E			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	mm	MPa	psi	mm	mm
16F8X-8-08	12	-08	12.7	1/2	95	52	32	21	55.0	7,974	8.8	29.5

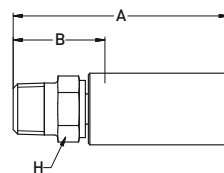
16N8X – SAE code 62 flange
90° elbow

ISO 12151-3

MATERIAL Carbon steel, zinc plated



#					A	B	D	E			Nipple ID	Ferrule OD
	DN	size	mm	inch	mm	mm	mm	mm	MPa	psi	mm	mm
16N8X-8-08	12	-08	12.7	1/2	87	44	32	41	55.0	7,974	8.8	29.5

**1018X / 101LX – National Pipe Tapered (NPT)
male****MATERIAL** Carbon steel, zinc plated, C: Stainless steel

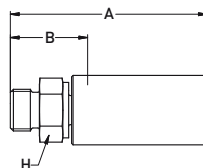
Design Factor 4:1

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1018X-2-025	4	-025	4.0	5/32	1/8 NPT	51	24	8	75.0	10,875	2.3	13.2
1018X-4-025	4	-025	4.0	5/32	1/4 NPT	59	32	13	75.0	10,875	2.3	13.2
1018X-1-04	6	-04	6.4	1/4	1/16 NPT	59	27	14	103.4	15,000	3.6	18.5
1018X-2-04	6	-04	6.4	1/4	1/8 NPT	60	28	13	103.4	15,000	3.6	18.5
1018X-4-04	6	-04	6.4	1/4	1/4 NPT	65	33	14	103.4	15,000	3.6	18.5
1018X-4-04C	6	-04	6.4	1/4	1/4 NPT	65	33	14	103.4	15,000	3.6	18.5
1018X-6-04	6	-04	6.4	1/4	3/8 NPT	67	35	19	103.4	15,000	3.6	18.5
1018X-6-04C	6	-04	6.4	1/4	3/8 NPT	67	35	19	103.4	15,000	3.6	18.5
1018X-4-05	8	-05	7.9	5/16	1/4 NPT	61	30	14	103.4	15,000	4.8	20.1
1018X-6-05	8	-05	7.9	5/16	3/8 NPT	70	30	19	103.4	15,000	4.8	20.1
1018X-6-05C	8	-05	7.9	5/16	3/8 NPT	70	30	19	103.4	15,000	4.8	20.1
1018X-6-06	10	-06	9.5	3/8	3/8 NPT	71	31	19	103.4	15,000	6.8	23.4
1018X-6-06C	10	-06	9.5	3/8	3/8 NPT	71	31	19	103.4	15,000	6.8	23.4
1018X-8-06	10	-06	9.5	3/8	1/2 NPT	76	36	22	103.4	15,000	6.8	23.4
1018X-8-06C	10	-06	9.5	3/8	1/2 NPT	76	36	22	103.4	15,000	6.8	23.4
101LX-8-08	12	-08	12.7	1/2	1/2 NPT	91	37	22	103.4	15,000	6.7	30.7
101LX-8-08C	12	-08	12.7	1/2	1/2 NPT	91	37	22	103.4	15,000	6.7	30.7

Hoses with design factor 4:1

1058X – 1068X / 106LX

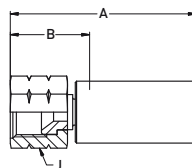
1058X – UNF male with O-ring



MATERIAL Special materials

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1058X-4-04	6	-04	6.4	1/4	7/16 - 20 UNF	61	29	14	80	11,600	3.6	18.5
1058X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	62	30	17	80	11,600	3.6	18.5

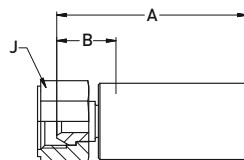
1068X / 106LX – JIC female swivel



MATERIAL Carbon steel, zinc plated, C: Stainless steel

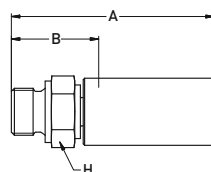
#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1068X-4-04	6	-04	6.4	1/4	7/16 - 20 UNF	57	26	19	69.0	10,000	2.8	18.5
1068X-4-04C	6	-04	6.4	1/4	7/16 - 20 UNF	57	26	19	69.0	10,000	2.8	18.5
1068X-5-04	6	-04	6.4	1/4	1/2 - 20 UNF	55	24	19	80.0	11,600	2.8	18.5
1068X-5-04C	6	-04	6.4	1/4	1/2 - 20 UNF	55	24	19	80.0	11,600	2.8	18.5
1068X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	55	24	19	80.0	11,600	3.6	18.5
1068X-6-04C	6	-04	6.4	1/4	9/16 - 18 UNF	55	24	19	80.0	11,600	3.6	18.5
1068X-6-05	8	-05	7.9	5/16	9/16 - 18 UNF	56	16	19	69.0	10,000	4.8	20.1
1068X-6-05C	8	-05	7.9	5/16	9/16 - 18 UNF	56	16	19	69.0	10,000	4.8	20.1
1068X-6-06	10	-06	9.5	3/8	9/16 - 18 UNF	59	18	22	69.0	10,000	4.8	23.4
1068X-6-06C	10	-06	9.5	3/8	9/16 - 18 UNF	59	18	22	69.0	10,000	4.8	23.4
106LX-8-08	12	-08	12.7	1/2	3/4 - 16 UNF	80	27	27	69.0	10,000	6.7	30.7
106LX-8-08C	12	-08	12.7	1/2	3/4 - 16 UNF	80	27	27	69.0	10,000	6.7	30.7

1928X / 192LX – BSP female swivel (60° cone)

**MATERIAL** Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1928X-4-025	4	-025	4.0	5/32	G 1/4	48	20	19	75.0	10,875	2.3	13.2
1928X-4-04	6	-04	6.4	1/4	G 1/4	56	25	19	80.0	11,600	3.6	18.5
1928X-4-04C	6	-04	6.4	1/4	G 1/4	56	25	19	80.0	11,600	3.6	18.5
1928X-6-06	10	-06	9.5	3/8	G 3/8	59	19	22	57.5	8,340	6.8	23.4
1928X-6-06C	10	-06	9.5	3/8	G 3/8	59	19	22	57.5	8,340	6.8	23.4
1928X-8-06	10	-06	9.5	3/8	G 1/2	60	20	27	57.5	8,340	6.8	23.4
1928X-8-06C	10	-06	9.5	3/8	G 1/2	60	20	27	57.5	8,340	6.8	23.4
192LX-8-08	12	-08	12.7	1/2	G 1/2	75	21	30	130.0	18,850	6.7	30.7
192LX-8-08C	12	-08	12.7	1/2	G 1/2	75	21	30	130.0	18,850	6.7	30.7

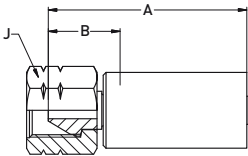
1D98X / 1D9LX – BSP male

**MATERIAL** Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1D98X-4-025	4	-025	4.0	5/32	G 1/4	60	33	19	75.0	10,875	2.3	13.2
1D98X-4-025C	4	-025	4.0	5/32	G 1/4	60	33	19	75.0	10,875	2.3	13.2
1D98X-4-04	6	-04	6.4	1/4	G 1/4	67	35	19	80.0	11,600	3.6	18.5
1D98X-4-04C	6	-04	6.4	1/4	G 1/4	67	35	19	80.0	11,600	3.6	18.5
1D98X-6-04	6	-04	6.4	1/4	G 3/8	69	37	22	80.0	11,600	3.6	18.5
1D98X-6-04C	6	-04	6.4	1/4	G 3/8	69	37	22	80.0	11,600	3.6	18.5
1D98X-6-05	8	-05	7.9	5/16	G 3/8	70	31	22	62.5	9,060	4.8	20.1
1D98X-6-06	10	-06	9.5	3/8	G 3/8	70	30	22	57.5	8,340	6.8	23.4
1D98X-6-06C	10	-06	9.5	3/8	G 3/8	70	30	22	57.5	8,340	6.8	23.4
1D9LX-8-08	12	-08	12.7	1/2	G 1/2	88	34	27	130.0	18,850	6.7	30.7

Hoses with design factor 4:1
1AY8X – 1078X

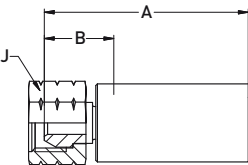
1AY8X – Type “M” female swivel



MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1AY8X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	60	28	19	80.0	11,600	3.6	18.5
1AY8X-8-05	8	-05	7.9	5/16	3/4 - 16 UNF	74	30	27	69.0	10,000	4.8	20.1

1078X – NPSM female swivel

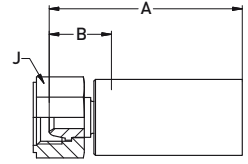


MATERIAL Carbon steel, zinc plated

NOTE C2W: Stainless steel nipple

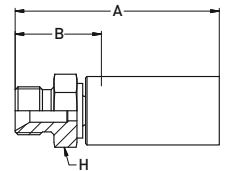
#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1078X-4-04	6	-04	6.4	1/4	1/4 - 18NPSM	59	28	19	80.0	11,600	3.6	18.5
1078X-6-05	8	-05	7.9	5/16	3/8 - 18NPSM	60	21	22	62.5	9,060	4.8	20.1
1078X-6-06	10	-06	9.5	3/8	3/8 - 18NPSM	62	21	22	57.5	8,340	6.8	23.4

1U08X – BSP female swivel (ballnose)

**MATERIAL** Carbon steel, zinc plated**NOTE** C2W: Stainless steel nipple

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1U08X-4-04	6	-04	6.4	1/4	G 1/4	58	27	19	80.0	11,600	3.6	18.5
1U08X-6-04	6	-04	6.4	1/4	G 3/8	58	27	27	80.0	11,600	3.6	18.5
1U08X-6-05	8	-05	7.9	5/16	G 3/8	59	19	19	62.5	9,060	4.8	20.1
1U08X-6-06	10	-06	9.5	3/8	G 3/8	61	20	22	57.5	8,340	6.8	23.4
1U08X-8-06	10	-06	9.5	3/8	G 1/2	61	20	27	57.5	8,340	6.8	23.4

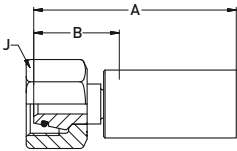
13B8X / 13BNX – BSP male

**MATERIAL** Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
13B8X-4-025	4	-025	4.0	5/32	G 1/4	57	30	17	75.0	10,875	2.3	13.2
13B8X-4-04	6	-04	6.4	1/4	G 1/4	64	32	17	80.0	11,600	3.6	18.5
13B8X-6-04	6	-04	6.4	1/4	G 3/8	67	35	19	80.0	11,600	3.6	18.5
13B8X-6-05	8	-05	7.9	5/16	G 3/8	69	30	22	62.5	9,060	4.8	20.1
13B8X-6-06	10	-06	9.5	3/8	G 3/8	70	30	22	57.5	8,340	6.8	23.4
13B8X-8-06	10	-06	9.5	3/8	G 1/2	75	35	22	57.5	8,340	6.8	23.4
13BNX-24-20	32	-20	31.8	1 1/4	G 1 1/2	118	57	55	27.5	3,990	24.9	49.4

Hoses with design factor 4:1
1C98X / 1C9LX / 1C9NX

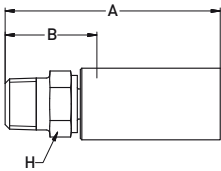
1C98X / 1C9LX / 1C9NX – Metric female swivel
heavy series with O-ring



MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1C98X-8-025	4	-025	4.0	5/32	M16x1.5	54	27	19	75.0	10,875	2.3	13.2
1C98X-8-025C	4	-025	4.0	5/32	M16x1.5	54	27	19	75.0	10,875	2.3	13.2
1C98X-8-04	6	-04	6.4	1/4	M16x1.5	59	27	19	80.0	11,600	3.6	18.5
1C98X-8-04C	6	-04	6.4	1/4	M16x1.5	59	27	19	80.0	11,600	3.6	18.5
1C98X-10-04	6	-04	6.4	1/4	M18x1.5	56	33	22	80.0	11,600	3.6	18.5
1C98X-10-04C	6	-04	6.4	1/4	M18x1.5	56	33	22	80.0	11,600	3.6	18.5
1C98X-12-04	6	-04	6.4	1/4	M20x1.5	69	37	24	80.0	11,600	3.6	18.5
1C98X-12-05	8	-05	7.9	5/16	M20x1.5	62	23	24	63.0	9,135	4.8	20.1
1C98X-16-05	8	-05	7.9	5/16	M24x1.5	65	25	30	63.0	9,135	4.8	20.1
1C98X-12-06	10	-06	9.5	3/8	M20x1.5	70	30	24	63.0	9,135	6.8	23.4
1C98X-12-06C	10	-06	9.5	3/8	M20x1.5	70	30	24	63.0	9,135	6.8	23.4
1C98X-14-06	10	-06	9.5	3/8	M22x1.5	70	30	27	63.0	9,135	6.8	23.4
1C98X-14-06C	10	-06	9.5	3/8	M22x1.5	70	30	27	63.0	9,135	6.8	23.4
1C9LX-16-08	12	-08	12.7	1/2	M24x1.5	88	34	30	130.0	18,850	6.6	30.0
1C9NX-38-20	32	-20	31.8	1 1/4	M52x2	113	52	60	44.0	6,380	24.9	49.4

1018X – National Pipe Tapered (NPT) male



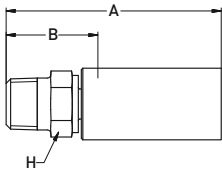
MATERIAL Carbon steel, zinc plated; ZE: Carbon steel, special plating for high corrosion protection in mining applications

#						A					Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi		
1018X-4-04ZE	6	-04	6.4	1/4	1/4 NPT	65	33	14	103.4	15,000	3.6	18.5
1018X-6-04ZE	6	-04	6.4	1/4	3/8 NPT	67	35	19	103.4	15,000	3.6	18.5

Hoses with design factor 4:1
1018X – 1058X

1018X – National Pipe Tapered (NPT) male

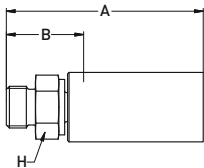
MATERIAL Carbon steel, zinc plated, C: Stainless steel



#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1018X-1-04	6	-04	6.4	1/4	1/16 NPT	59	27	14	103.4	15,000	3.6	18.3
1018X-2-04	6	-04	6.4	1/4	1/8 NPT	60	28	13	103.4	15,000	3.6	18.3
1018X-4-04	6	-04	6.4	1/4	1/4 NPT	65	33	14	103.4	15,000	3.6	18.3
1018X-4-04C	6	-04	6.4	1/4	1/4 NPT	65	33	14	103.4	15,000	3.6	18.3
1018X-6-04	6	-04	6.4	1/4	3/8 NPT	67	35	19	103.4	15,000	3.6	18.3
1018X-6-04C	6	-04	6.4	1/4	3/8 NPT	67	35	19	103.4	15,000	3.6	18.3

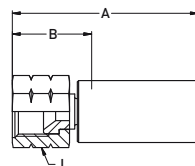
1058X – UNF male with O-ring

MATERIAL Special materials



#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1058X-4-04	6	-04	6.4	1/4	7/16 - 20 UNF	61	29	14	80	11,600	3.6	18.3
1058X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	62	30	17	80	11,600	3.6	18.3

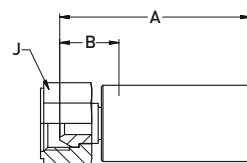
1068X – JIC female swivel



MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1068X-4-04	6	-04	6.4	1/4	7/16 - 20 UNF	57	26	19	69.0	10,000	2.8	18.3
1068X-4-04C	6	-04	6.4	1/4	7/16 - 20 UNF	57	26	19	69.0	10,000	2.8	18.3
1068X-5-04	6	-04	6.4	1/4	1/2 - 20 UNF	55	24	19	80.0	11,600	3.6	18.3
1068X-5-04C	6	-04	6.4	1/4	1/2 - 20 UNF	55	24	19	80.0	11,600	3.6	18.3
1068X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	55	24	19	80.0	11,600	3.6	18.3
1068X-6-04C	6	-04	6.4	1/4	9/16 - 18 UNF	55	24	19	80.0	11,600	3.6	18.3

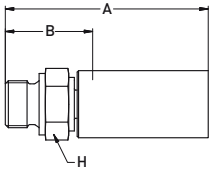
1928X – BSP female swivel (60° cone)



MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1928X-4-04	6	-04	6.4	1/4	G 1/4	56	25	19	80.0	11,600	3.6	18.3
1928X-4-04C	6	-04	6.4	1/4	G 1/4	56	25	19	80.0	11,600	3.6	18.3

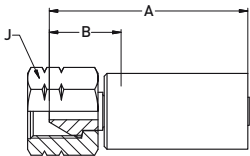
1D98X – BSP male



MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1D98X-4-04	6	-04	6.4	1/4	G 1/4	67	35	19	80.0	11,600	3.6	18.3
1D98X-4-04C	6	-04	6.4	1/4	G 1/4	67	35	19	80.0	11,600	3.6	18.3

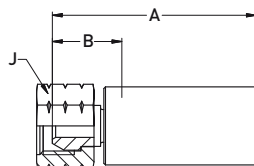
1AY8X – Type “M” female swivel



MATERIAL Carbon steel, zinc plated

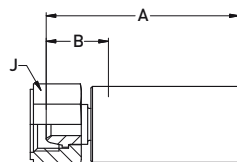
#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1AY8X-6-04	6	-04	6.4	1/4	9/16 - 18 UNF	60	28	19	80.0	11,600	3.6	18.3

1078X – NPSM female swivel

**MATERIAL** Carbon steel, zinc plated**NOTE** C2W: Stainless steel nipple

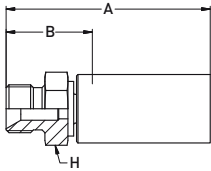
#						A	B			Nipple ID	Ferrule OD	
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1078X-4-04	6	-04	6.4	1/4	1/4 - 18NPSM	59	28	19	80.0	11,600	3.6	18.3

1U08X – BSP female swivel (ballnose)

**MATERIAL** Carbon steel, zinc plated**NOTE** C2W: Stainless steel nipple

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm	mm	MPa	psi	mm	mm
1U08X-4-04	6	-04	6.4	1/4	G 1/4	58	27	19	80.0	11,600	3.6	18.3
1U08X-4-04C2W	6	-04	6.4	1/4	G 1/4	58	27	19	80	11,600	3.6	18.3
1U08X-6-04	6	-04	6.4	1/4	G 3/8	58	27	27	80.0	11,600	3.6	18.3
1U08X-6-04C2W	6	-04	6.4	1/4	G 3/8	58	27	27	80	11,600	3.6	18.3

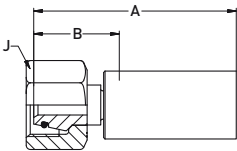
13B8X – BSP male



MATERIAL Carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
13B8X-4-04	6	-04	6.4	1/4	G 1/4	64	32	17	80.0	11,600	3.6	18.3
13B8X-6-04	6	-04	6.4	1/4	G 3/8	67	35	19	80.0	11,600	3.6	18.3

1C98X – Metric female swivel
heavy series with O-ring



MATERIAL Carbon steel, zinc plated, C: Stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch		mm	mm		MPa	psi	mm	mm
1C98X-8-04	6	-04	6.4	1/4	M16x1.5	59	27	19	80.0	11,600	3.6	18.3
1C98X-8-04C	6	-04	6.4	1/4	M16x1.5	59	27	19	80.0	11,600	3.6	18.3
1C98X-10-04	6	-04	6.4	1/4	M18x1.5	56	33	22	80.0	11,600	3.6	18.3
1C98X-10-04C	6	-04	6.4	1/4	M18x1.5	56	33	22	80.0	11,600	3.6	18.3
1C98X-12-04	6	-04	6.4	1/4	M20x1.5	69	37	24	80.0	11,600	3.6	18.3