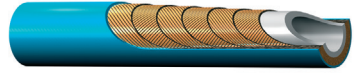


Hoses with design factor >2:1

2640D / 2640N

2640D / 2640N – Ultra-high pressure hose



CONSTRUCTION Core tube : DN 4-6: Polyoxymethylene; DN 12-25: Polyamide
Pressure reinforcement : Six spiral layers of maximum tensile steel wire

Cover : Polyamide
Standard colour : Blue

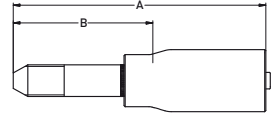
TEMPERATURE RANGE -10°C up to +70°C

#	Ø				Ø			Ø		Ø		kg/m
	DN	size	mm	inch	mm	MPa	psi	MPa	psi	mm		
2640D-025V32	4	-025	3.9	5/32	12.0	280	40600	700	101500	140	0.29	
2640D-03V32	5	-03	4.8	3/16	13.0	250	36250	625	90625	175	0.41	
2640D-04V32	6	-04	6.4	1/4	14.6	250	36250	625	90625	200	0.64	
2640N-08V32	12	-08	12.8	1/2	24.5	180	26100	450	65250	290	1.36	
2640N-12V32	20	-12	19.6	3/4	33.0	140	20300	350	50750	350	2.10	
2640N-16V32	25	-16	25.0	1	40.0	120	17400	300	43500	400	2.90	



NOTES

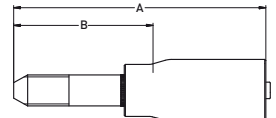
1Y42X – High pressure tube nipple UNF – LH thread



MATERIAL Nipple: very high strength stainless steel
 Shell: high strength carbon steel, zinc plated, C-stainless steel

#	⊙				🌀	A	B	⊙		Nipple ID	Ferrule OD
	DN	size	mm	inch				MPa	psi		
1Y42X-4-025	4	-025	4.0	5/32	1/4 - 28UNF-LH	88	45	400	58000	1.9	15.6
1Y42X-4-025C	4	-025	4.0	5/32	1/4 - 28UNF-LH	88	45	400	58000	1.9	15.6
1Y42X-6-025	4	-025	4.0	5/32	3/8 - 24UNF-LH	98	55	400	58000	1.9	15.6
1Y42X-6-025C	4	-025	4.0	5/32	3/8 - 24UNF-LH	98	55	400	58000	1.9	15.6
1Y42X-4-03	5	-03	4.8	3/16	1/4 - 28UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-4-03C	5	-03	4.8	3/16	1/4 - 28UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-6-03	5	-03	4.8	3/16	3/8 - 24UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-6-03C	5	-03	4.8	3/16	3/8 - 24UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-9-03	5	-03	4.8	3/16	9/16 - 18UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-9-03C	5	-03	4.8	3/16	9/16 - 18UNF-LH	116	63	400	58000	2.3	18.6
1Y42X-6-04	6	-04	6.4	1/4	3/8 - 24UNF-LH	116	63	400	58000	3.1	19.1
1Y42X-9-04	6	-04	6.4	1/4	9/16 - 18UNF-LH	116	63	400	58000	3.1	19.1
1Y42X-9-08	12	-08	12.7	1/2	9/16-18 UNF LH	139	73	400	58000	7.0	31.7
1Y42X-16-08	12	-08	12.7	1/2	1-14 UNS LH	148	78	300	43500	7.0	31.7

1Y2M2X / 1YMJX – High pressure tube nipple metric – LH thread



MATERIAL Nipple: very high strength stainless steel
 Shell: high strength carbon steel, zinc plated, C-stainless steel

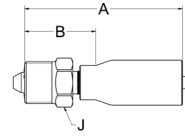
#	⊙				🌀	A	B	⊙		Nipple ID	Ferrule OD
	DN	size	mm	inch				MPa	psi		
1Y2M2X-6-025	4	-025	4.0	5/32	M14x1.5-LH	108	55	400	58000	1.9	15.6
1Y2M2X-6-03	5	-03	4.8	3/16	M14x1.5-LH	116	63	400	58000	2.3	18.6
1Y2M2X-6-03C	5	-03	4.8	3/16	M14x1.5-LH	116	63	400	58000	2.3	18.6
1Y2M2X-6-04	6	-04	6.4	1/4	M14x1.5-LH	116	63	400	58000	3.1	19.1
1YMJX-11-08	12	-08	12.7	1/2	M18x1,5 LH	148	78	300	43500	7.0	31.7
1YMJX-12-08	12	-08	12.7	1/2	M20x1,5 LH	148	78	300	43500	7.0	31.7

Design Factor >2:1

Hoses with design factor >2:1

1YX2X - 1YY2X

1YX2X – High pressure swivel fitting UNF Rotatable under pressure

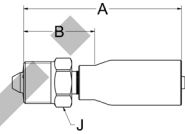


MATERIAL Nipple: very high strength stainless steel

Shell: high strength carbon steel, zinc plated - Gland nut: stainless steel

#	⊙				⌚	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1YX2X-6-025	4	-025	4.0	5/32	3/4-16 UNF	91	47	22	400	58000	1.9	15.6
1YX2X-6-03	5	-03	4.8	3/16	3/4-16 UNF	95	45	22	400	58000	2.3	18.6
1YX2X-9-03	5	-03	4.8	3/16	1 1/8-12 UNF	98	48	30	400	58000	2.3	18.6

1YY2X – High pressure swivel fitting metric Rotatable under pressure



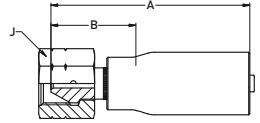
MATERIAL Nipple: very high strength stainless steel

Shell: high strength carbon steel, zinc plated - Gland nut: stainless steel

#	⊙				⌚	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1YY2X-6-025	4	-025	4.0	5/32	M20x1,5	91	47	22	400	58000	1.9	15.6
1YY2X-6-03	5	-03	4.8	3/16	M20x1,5	95	45	22	400	58000	2.3	18.6
1YY2X-9-03	5	-03	4.8	3/16	M26x1,5	98	48	27	400	58000	2.3	18.6
1YY2X-10-03	5	-03	4.8	3/16	M30x2	98	48	32	400	58000	2.3	18.6

Design Factor >2:1

1AY2X / 1AYJX – Type “M” female swivel

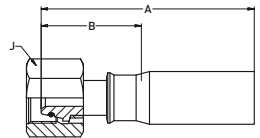


MATERIAL Nipple: very high strength stainless steel
 Shell and nut: high strength carbon steel, zinc plated, C-stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1AY2X-6-025	4	-025	4.0	5/32	9/16 - 18UNF	61	24	22	400	58000	1.9	15.6
1AY2X-6-025C	4	-025	4.0	5/32	9/16 - 18UNF	61	24	22	400	58000	1.9	15.6
1AY2X-6-03	5	-03	4.8	3/16	9/16 - 18UNF	91	38	22	400	58000	2.3	18.6
1AY2X-6-03C	5	-03	4.8	3/16	9/16 - 18UNF	91	38	22	400	58000	2.3	18.6
1AY2X-6-04	6	-04	6.4	1/4	9/16-18 UNF	91	38	22	400	58000	3.1	19.1
1AY2X-11-08	12	-08	12.7	1/2	1-12 UNF	107	37	32	301	43645	7.0	31.7
1AY2X-11-08C	12	-08	12.7	1/2	1-12 UNF	107	37	32	301	43645	7.0	31.7
1AYJX-16-12W	20	-12	19.0	3/4	1 5/16-12UNF	90	31	41	160	23200	12.5	40.6
1AYJX-16-12C	20	-12	19.0	3/4	1 5/16-12UNF	90	31	41	160	23200	12.5	40.6

Design Factor >2:1

1C92X / 1C9JX – Metric female swivel heavy series with O-ring



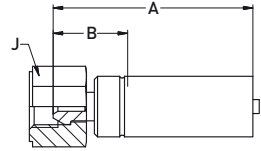
MATERIAL Nipple: very high strength stainless steel
 Shell and nut: high strength carbon steel, zinc plated, C-stainless steel

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1C92X-16-08	12	-08	12.7	1/2	M24x1,5	117	47	32	301	43645	7.0	31.7
1C92X-16-08C	12	-08	12.7	1/2	M24x1,5	117	47	32	301	43645	7.0	31.7
1C9JX-25-12W	20	-12	19.0	3/4	M36x2	108	49	46	160	23200	12.5	40.6
1C9JX-25-12C	20	-12	19.0	3/4	M36x2	108	49	46	160	23200	12.5	40.6
1C9JX-30-16W	25	-16	25.4	1	M42x2	121	55	55	150	21750	17.3	49.0

Hoses with design factor >2:1

1922X – 16Y2X – 1Y2JX

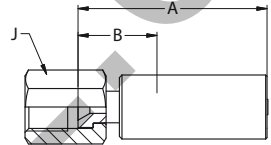
1922X – BSP female swivel (60° cone)



MATERIAL Nipple: very high strength carbon steel,
zinc plated to nipple very high strength stainless steel
Shell and nut: high strength carbon steel, zinc plated, C-stainless steel

#	⊙				⋯	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1922X-4-025	4	-025	4.0	5/32	G 1/4	70	26	22	300	43500	1.9	15.6
1922X-4-03	5	-03	4.8	3/16	G 1/4	79	26	22	300	43500	2.3	18.6

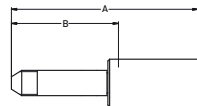
16Y2X – High pressure female swivel



MATERIAL Nipple: very high strength stainless steel
Shell and nut: high strength carbon steel, zinc plated, C-stainless steel

#	⊙				⋯	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
16Y2X-4-025	4	-025	4	5/32	9/16 - 18UNF	76	23	19	300	43500	1.9	15.6
16Y2X-4-025C	4	-025	4	5/32	9/16 - 18UNF	76	23	19	300	43500	1.9	15.6
16Y2X-4-03	5	-03	4.8	3/16	9/16 - 18UNF	76	23	19	300	43500	2.3	18.6

1Y2JX – Medium pressure tube nipple

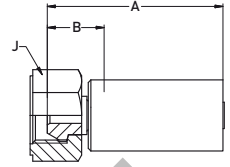


MATERIAL Nipple: very high strength stainless steel
Shell: high strength carbon steel, zinc plated, C-stainless steel

#	⊙				⋯	A	B	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch				MPa	psi		
1Y2JX-16-12	20	-12	19.0	3/4	1 - 14 UNF-LH	133	70	138	20000	12.5	40.6
1Y2JX-16-12C	20	-12	19.0	3/4	1 - 14 UNF-LH	133	70	138	20000	12.5	40.6
1Y2JX-16-16W	25	-16	25.4	1	1 - 14 UNF-LH	146	70	138	20000	17.3	49.0

Design Factor >2:1

1MR2X – Metric female swivel 59° cone



MATERIAL High strength carbon steel, zinc plated

#	⊙				⌚	A	B	J	↗		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1MR2X-6-025	4	-025	4.0	5/32	M12x1,5	88	45	17	400	58000	1.9	15.6
1MR2X-8-025	4	-025	4.0	5/32	M14x1,5	61	24	22	400	58000	1.9	15.6
1MR2X-10-025	4	-025	4.0	5/32	M16x1,5	61	24	22	400	58000	1.9	15.6
1MR2X-6-03	5	-03	4.8	3/16	M12x1,5	116	63	17	400	58000	2.3	18.6
1MR2X-8-03	5	-03	4.8	3/16	M14x1,5	91	38	22	400	58000	2.3	18.6
1MR2X-10-03	5	-03	4.8	3/16	M16x1,5	91	38	22	400	58000	2.3	18.6
1MR2X-12-03	5	-03	4.8	3/16	M18x1,5	91	38	24	400	58000	2.3	18.6

Design Factor >2:1

1TM2X – Polyflex Lok components



#	Description
1TM2X-8-03-HPK	Fitting for DN5 hoses incl. caps (refer to chapter D)
1TM2X-9-08-HPK	Fitting for DN12 hoses incl. caps (refer to chapter D)

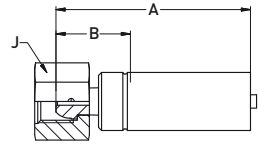
Hoses with design factor >2:1

1C35X – 1C95X – 1AY5X

1C35X – Metric female swivel light series

For hydraulic oil only

MATERIAL Nipple: very high strength carbon steel, zinc plated
Shell and nut: high strength carbon steel, zinc plated

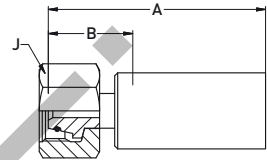


#	⊙				📏	A	B	J	↗		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1C35X-8-03	5	-03	4.8	3/16	M14x1.5	64	25	22	250	36250	1.7	19.1

1C95X – Metric female swivel heavy series with O-ring

For hydraulic oil only

MATERIAL Nipple: very high strength carbon steel, zinc plated
Shell and nut: high strength carbon steel, zinc plated

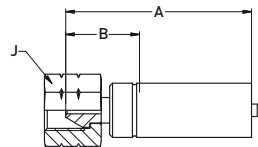


#	⊙				📏	A	B	J	↗		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1C95X-16-08	12	-08	12.7	1/2	M24x1.5	87	34	32	180	26100	6.7	34.1
1C95X-25-12	20	-12	19.0	3/4	M36x2	92	39	46	140	20300	12.7	41.8

1AY5X – Type “M” female swivel

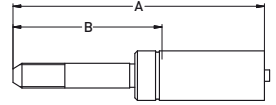
For hydraulic oil only

MATERIAL Nipple: very high strength carbon steel, zinc plated
Shell and nut: high strength carbon steel, zinc plated

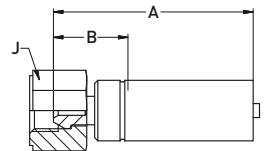


#	⊙				📏	A	B	J	↗		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1AY5X-6-03	5	-03	4.8	3/16	9/16 - 18UNF	66	26	22	250	36250	1.7	19.1
1AY5X-11-08	12	-08	12.7	1/2	1 - 12 UNF	80	27	32	180	26100	6.7	34.1
1AY5X-16-12	20	-12	19.0	3/4	1 5/16 - 12UNF	82	29	41	140	20300	12.7	41.8

Design Factor >2:1

**1YA5X – High pressure tube nipple
UNF – LH thread***For hydraulic oil only***MATERIAL** Special materials

#						A	B			Nipple ID	Ferrule OD
	DN	size	mm	inch				MPa	psi		
1YA5X-1-03	5	-03	4.8	3/16	1/4 - 28UNF-LH	92	53	250	36250	1.3	19.1
1YA5X-3-03	5	-03	4.8	3/16	3/8 - 24UNF-LH	97	58	250	36250	1.3	19.1

1925X – BSP female swivel (60° cone)*For hydraulic oil only***MATERIAL** Nipple: very high strength carbon steel, zinc plated
Shell and nut: high strength carbon steel, zinc plated

#						A	B				Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1925X-4-03	5	-03	4.8	3/16	G 1/4	78	32	22	250	36250	1.7	19.1