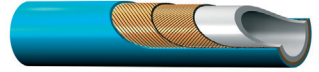


## 2248D-TOUGH COVER – High pressure hose









### CONSTRUCTION







**Core tube** : Polyoxymethylene  
**Pressure reinforcement** : Two spiral layers of high tensile steel wire  
**Cover** : Polyamide, extreme wear- and abrasion resistant  
**Standard colour** : blue

### TEMPERATURE RANGE

**Standard TC** : -10 up to +70°C  
**High Temperature Version**: -10 up to +100°C\*

#												
	DN	size	mm	inch	mm	MPa	psi	MPa	psi	mm	kg/m	
2248D-025V32-TC	4	-025	4.0	5/32	7.9	150	21750	375	54375	75	0.10	
2248D-03V32-TC	5	-03	4.9	3/16	9.5	140	20.300	350	50750	95	0.14	
2248D-05V32-TC	8	-05	8.1	5/16	13.4	100	14500	250	36250	120	0.25	

High temperature version

#												
	DN	size	mm	inch	mm	MPa	psi	MPa	psi	mm	kg/m	
2248D-025V62-HT-TC	4	-025	4.0	5/32	7.9	150	21750	375	54375	75	0.10	
2248D-03V62-HT-TC	5	-03	4.9	3/16	9.5	140	20300	350	50750	95	0.14	
2248D-05V62-HT-TC	8	-05	8.1	5/16	13.4	100	14500	250	36250	120	0.25	

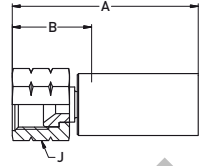


Design Factor >2:1

Hoses with design factor >2:1

**106TX – 1AYTX**

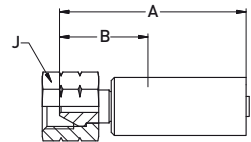
**106TX – JIC female swivel**



**MATERIAL** Carbon steel zinc plated - Stainless steel on request

#	⊙				⋯	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
106TX-4-025W	4	-025	4.0	5/32	7/16-20 UNF	44	21	17	150	21750	2.3	9.9
106TX-6-03W	5	-03	4.8	3/16	9/16-18 UNF	48	25	19	140	20300	2.8	12.0
106TX-6-04W	6	-04	6.4	1/4	9/16-18 UNF	53	26	19	110	15950	3.8	13.6

**1AYTX – Type “M” female swivel**

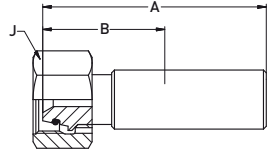


**MATERIAL** Carbon steel zinc plated - Stainless steel on request

#	⊙				⋯	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1AYTX-6-02W	3	-02	3.0	1/8	9/16-18 UNF	47	28	19	110	15950	1.6	9.1
1AYTX-6-025W	4	-025	4.0	5/32	9/16-18 UNF	45	23	19	150	21750	2.3	9.9
1AYTX-8-025W	4	-025	4.0	5/32	3/4-16 UNF	50	28	27	150	21750	2.3	9.9
1AYTX-6-03W	5	-03	4.8	3/16	9/16-18 UNF	50	23	19	150	21750	2.8	12.0
1AYTX-8-03W	5	-03	4.8	3/16	3/4-16 UNF	56	29	27	150	21750	2.8	12.0
1AYTX-6-04W	6	-04	6.4	1/4	9/16-18 UNF	52	25	19	110	15950	3.8	13.6
1AYTX-8-05W	8	-05	7.9	5/16	3/4-16 UNF	64	30	27	100	14500	4.8	16.1

Design Factor >2:1

### 1C9TX – Metric female swivel heavy series with O-ring



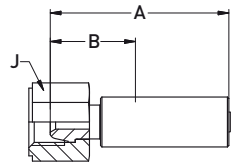
**MATERIAL** Carbon steel zinc plated - Stainless steel on request

**NOTE** DN4-6 with support ferrule – DN3 and 8 without support ferrule

#	⊙				⋄	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1C9TX-16-02W	3	-02	3.0	1/8	M24x1.5	60	39	30	110	15950	1.6	9.1
1C9TX-16-025W	4	-025	4.0	5/32	M24x1.5	66	35	30	150	21750	2.3	9.9
1C9TX-16-03W	5	-03	4.8	3/16	M24x1.5	74	42	30	150	21750	2.8	12.0
1C9TX-10-04W	6	-04	6.4	1/4	M18x1.5	60	33	22	110	15950	3.8	13.6
1C9TX-12-04W	6	-04	6.4	1/4	M20x1.5	60	33	24	110	15950	3.8	13.6
1C9TX-16-04W	6	-04	6.4	1/4	M24x1.5	70	44	30	110	15950	3.8	13.6
1C9TX-12-05W	8	-05	7.9	5/16	M20x1.5	70	31	24	100	14500	4.8	16.1
1C9TX-14-05W	8	-05	7.9	5/16	M22x1.5	68	29	27	100	14500	4.8	16.1
1C9TX-16-05W	8	-05	7.9	5/16	M24x1.5	71	38	30	100	14500	4.8	16.1

Design Factor >2:1

### 1U0TX – BSP female swivel (ballnose)



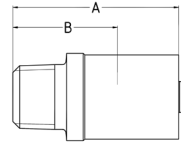
**MATERIAL** Carbon steel zinc plated - Stainless steel on request

#	⊙				⋄	A	B	J	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1U0TX-2-02W	3	-02	3.0	1/8	G 1/8	36	18	12	110	15950	1.6	9.1
1U0TX-4-02W	3	-02	3.0	1/8	G 1/4	44	22	17	110	15950	1.6	9.1
1U0TX-4-025W	4	-025	4.0	5/32	G 1/4	45	23	17	150	21750	2.3	9.9
1U0TX-4-03W	5	-03	4.7	3/16	G 1/4	49	23	17	150	21750	2.8	12.0
1U0TX-4-04W	6	-04	6.3	1/4	G 1/4	51	25	17	110	15950	3.8	13.6
1U0TX-6-05W	8	-05	7.9	5/16	G 3/8	60	26	27	100	14500	4.8	16.1

Hoses with design factor >2:1

101TX – 102TX

## 101TX – National Pipe Tapered (NPT) male

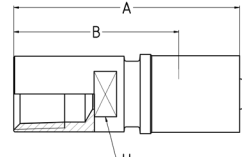


**MATERIAL** Stainless Steel

#	⊙				⋄	A	B	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch				MPa	psi		
101TX-1-02-PL	3	-02	3.0	1/8	1/16-27 NPT	27	11	103.4	15000	1.3	9.0
101TX-2-02-PL	3	-02	3.0	1/8	1/8-27 NPT	24	11	103.4	15000	1.3	9.0
101TX-1-025-PL	4	-025	4.0	5/32	1/16-27 NPT	24	11	103.4	15000	1.8	9.9
101TX-2-025-PL	4	-025	4.0	5/32	1/8-27 NPT	27	11	103.4	15000	1.8	9.9
101TX-4-025-PL	4	-025	4.0	5/32	1/4-18 NPT	32	16	103.4	15000	1.8	9.9
101TX-2-03-PL	5	-03	4.8	3/16	1/8-27 NPT	27	12	103.4	15000	2.8	12.0
101TX-4-03-PL	5	-03	4.8	3/16	1/4-18 NPT	31	16	103.4	15000	2.8	12.0
101TX-2-04-PL	6	-04	6.4	1/4	1/8-27 NPT	29	12	103.4	15000	3.0	13.6
101TX-4-04-PL	6	-04	6.4	1/4	1/4-18 NPT	33	16	103.4	15000	3.0	13.6
101TX-4-05-PL	8	-05	7.9	5/16	1/4-18 NPT	36	14	103.4	15000	4.5	16.1
101TX-6-05-PL	8	-05	7.9	5/16	3/8-18 NPT	38	16	103.4	15000	4.5	16.1

Version with wrench flats on request

## 102TX – National Pipe Tapered (NPT) female

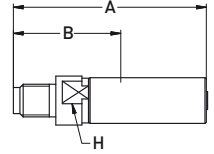


**MATERIAL** Stainless Steel

#	⊙				⋄	A	B	H	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
102TX-1-025-PL	4	-025	4.0	5/32	1/16-27 NPT	37	22	9	103.4	15000	1.8	9.9
102TX-1-03-PL	5	-03	4.8	3/16	1/16-27 NPT	37	22	9	103.4	15000	2.8	12.0
102TX-4-04-PL	6	-04	6.4	1/4	1/4-18 NPT	45	28	12	103.4	15000	3.0	13.6

Design Factor >2:1

# 1YZTX – Metric male nozzle nipple



**MATERIAL** Stainless Steel

#	⊙				📏	A	B	⬡	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1YZTX-1-02-PL	3	-02	3.0	1/8	M5	49	28	6	110	15950	1.6	9.1
1YZTX-2-02-PL	3	-02	3.0	1/8	M7	49	28	7	110	15950	1.6	9.1
1YZTX-1-025-PL	4	-025	4.0	5/32	M5	51	29	8	150	21750	2.3	9.9
1YZTX-2-025-PL	4	-025	4.0	5/32	M7	38	23	8	150	21750	1.8	9.9
1YZTX-4-025-PL	4	-025	4.0	5/32	M8	53	30	8	150	21750	2.3	9.9
1YZTX-5-025-PL	4	-025	4.0	5/32	M10x1	32	17	9	150	21750	1.8	9.9
1YZTX-2-03-PL	5	-03	4.8	3/16	M7	55	28	10	150	21750	2.8	12.0
1YZTX-4-03-PL	5	-03	4.8	3/16	M8	53	28	10	150	21750	3.0	12.0
1YZTX-5-04-PL	6	-04	6.4	1/4	M10x1	59	33	13	110	15950	3.0	13.6

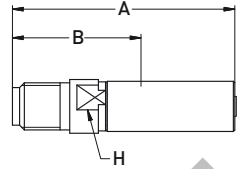
Design Factor >2:1

KOVAR

Hoses with design factor >2:1

1YBTX – 1YHTX

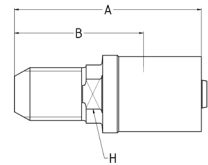
## 1YBTX – BSP male nozzle nipple



**MATERIAL** Stainless steel

#	⊙				⋯	A	B	⬡	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1YBTX-2-02-PL	3	-02	3.0	1/8	G 1/8	48	27	8	110	15950	1.6	9.1
1YBTX-2-025-PL	4	-025	4.0	5/32	G 1/8	53	30	8	150	21750	2.3	9.9
1YBTX-4-025-PL	4	-025	4.0	5/32	G 1/4	54	30	10	150	21750	2.3	9.9
1YBTX-2-03-PL	5	-03	4.8	3/16	G 1/8"	34	19	10	140	20300	2.8	12.0
1YBTX-4-03-PL	5	-03	4.8	3/16	G 1/4	58	31	10	150	21750	2.8	12.0
1YBTX-2-04-PL	6	-04	6.4	1/4	G 1/8"	36	19	10	110	15950	3.0	13.6
1YBTX-4-04-PL	6	-04	6.4	1/4	G 1/4"	39	22	11	110	15950	3.0	13.6
1YBTX-4-05-PL	8	-05	7.9	5/16	G 1/4"	41	21	12	100	14500	4.5	16.1
1YBTX-6-05-PL	8	-05	7.9	5/16	G 3/8	71	37	17	100	14000	4.5	16.1

## 1YHTX – UNF male nozzle nipple



**MATERIAL** Stainless steel

#	⊙				⋯	A	B	⬡	↻		Nipple ID	Ferrule OD
	DN	size	mm	inch					MPa	psi		
1YHTX-4-025-PL	4	-025	4.0	5/32	1/4-28 UNF	40	24	8	150	21750	1.8	9.9
1YHTX-6-03-PL	5	-03	4.8	3/16	3/8-24 UNF	34	19	9	140	20300	2.8	12.0
1YHTX-4-03-PL-LH	5	-03	4.8	3/16	3/8 - 24 UNF LH	54	28	11	150	21750	2.8	12.0
1YHTX-6-03-PL-LH	6	-04	6.4	1/4	3/8 - 24 UNF	56	29	11	150	21750	2.8	13.6
1YHTX-6-04-PL	6	-04	6.4	1/4	3/8 - 24 UNF LH	56	29	11	150	21750	3.0	13.6
1YHTX-6-04-PL-LH	8	-05	7.9	5/16	3/8 - 24 UNF	65	33	13	150	21750	3.0	13.6
1YHTX-6-05-PL-LH	8	-05	7.9	5/16	3/8 - 24 UNF LH	65	33	13	150	21750	4.5	16.1