



Empowering without limitations

Higher performing. More configurations.

Synflex Optimum by Danfoss **3TR7N**



Synflex Optimum by Danfoss' thermoplastic hydraulic hoses and fittings empower OEMs to reimagine design. Our system engineered portfolio offers streamlined product configurations that make it easy to find the perfect combination for every application. Our commitment to innovation includes the design and technical support needed to develop more efficient, safe, and productive systems.

3TR7

Synflex Optimum by Danfoss **3TR7**

3TR7N Non-conductive

Synflex Optimum by Danfoss **3TR7N**

92.2 ANSI (-4 thru -10)

PART	HOSE SIZE INFO													
#	Hose I.D.		Hose O.D. (nominal)		Working Pressure				Min. Burst Pressure		Min. Bend Radius		Weight	
					SAE		ANSI							
	mm	in	mm	in	bar	psi	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
3TR7-02-250BX	3.2	0.12	8.5	0.33	210	3,050			840	12,200	12.7	0.50	0.04	0.03
3TR7-03-250BX	4.8	0.19	10.8	0.43	210	3,050			840	12,200	19.0	0.75	0.07	0.05
3TR7N-03-250BX					210	3,050	210	3,050						
3TR7-04-250BX	6.4	0.25	12.5	0.49	210	3,050			759	11,000	31.8	1.25	0.09	0.06
3TR7N-04-250BX					210	3,050	210	3,050						
3TR7-05-250BX	7.9	0.31	14.6	0.57	175	2,550			690	10,000	38.1	1.50	0.13	0.08
3TR7N-05-250BX					175	2,550	207	3,000						
3TR7-06-250BX	9.8	0.39	16.5	0.65	157	2,300			621	9,000	50.8	2.00	0.15	0.10
3TR7N-06-250BX					157	2,300	207	3,000						
3TR7-08-250BX	12.7	0.50	20.8	0.82	140	2,050			621	9,000	69.9	2.75	0.21	0.14
3TR7N-08-250BX					140	2,050	207	3,000						
3TR7-10-250BX	16.0	0.63	23.6	0.93	105	1,525			421	6,100	101.6	4.00	0.24	0.16
3TR7N-10-250BX					105	1,525	140	2,050						
3TR7-12-250BX	19.0	0.75	26.4	1.04	86	1,250			348	5,000	127.0	5.00	0.26	0.17
3TR7N-12-250BX					86	1,250								
3TR7-16-250BX	25.4	1.00	33.7	1.33	69	1,000			280	4,000	190.5	7.50	0.40	0.27
3TR7N-16-250BX					69	1,000								

Operating temperature

For oil-based fluids: -40 °C to +100 °C (-40 °F to +212 °F)

For water-based fluids: -40 °C to +66 °C (-40 °F to +150 °F)

Approved fittings



4T series

Two-piece Winner

3TR7 supersedes

3130, 3160, 3DH0, 3CH0

3TR7N supersedes

3740, 37AL

Inner tube

Nylon

Reinforcement

1 textile braid

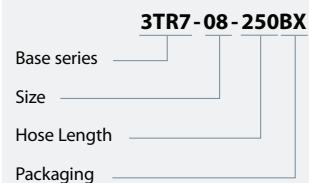
Cover

Nonstick polyurethane

Typical platforms

- Material handling
- Agriculture
- Horticulture
- Chemical transfer
- Foam system
- Food processing
- Forestry delimeter
- General construction
- General hydraulic systems
- Lubrication systems
- Marine steering
- Utility vehicles and pickers
- Rescue apparatus and tools
- Water jetter drain/sewer

How to order/ part # structure



BC: continuous length in box (76 m)

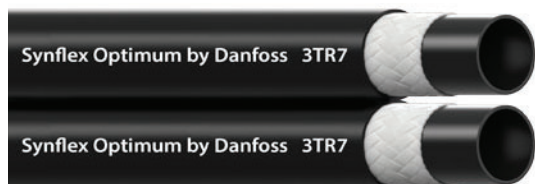
BX: minimum 6.5 m lengths, with up to 3 random lengths, cover 76 m

Options on demand

RL: random length reel

R: continuous length on reel

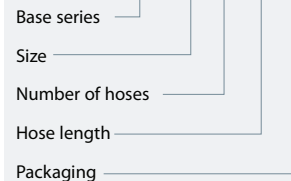
3TR7 Twin-line



PART			HOSE SIZE INFO											
#	Hose Series	Number of hoses	Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
3TR7-04-2-250BX	3TR7	2	6.4	0.25	12.5	0.49	192	2,800	759	11,000	31.8	1.25	0.09	0.06
3TR7-05-2-250BX	3TR7	2	7.9	0.31	14.6	0.57	175	2,550	690	10,000	38.1	1.50	0.13	0.08
3TR7-06-2-250BX	3TR7	2	9.5	0.38	16.5	0.65	157	2,300	621	9,000	50.8	2.00	0.15	0.10
3TR7-08-2-250BX	3TR7	2	12.7	0.50	20.8	0.82	140	2,050	621	9,000	69.9	2.75	0.21	0.14

How to order/ part # structure

3TR7-08-2-250BX



BC: continuous length in box (76 m)

BX: minimum 6.5 m lengths, with up to 3 random lengths, cover 76 m

Options on demand

RL: random length reel

R: continuous length on reel

3TR7N Twin-Line Non-conductive

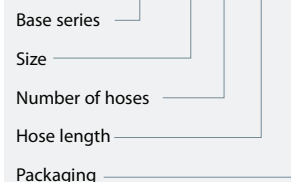


92.2 ANSI (-4 thru -10)

PART			HOSE SIZE INFO													
#	Hose Series	# of hoses	Hose I.D.		Hose O.D.		Working Pressure				Min. Burst Pressure		Min. Bend Radius		Weight	
			mm	in	mm	in	SAE		ANSI		bar	psi	mm	in	kg/m	lbs/ft
							bar	psi	bar	psi						
			mm	in	mm	in	bar	psi	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
3TR7N-04-2-250BX	3TR7	2	6.4	0.25	12.5	0.49	192	2,800	207	11,000	759	11,000	31.8	1.25	0.09	0.06
3TR7N-06-2-250BX	3TR7	2	9.5	0.38	16.5	0.65	175	2,550	207	9,000	621	9,000	50.8	2.00	0.15	0.10
3TR7N-08-2-250BX	3TR7	2	12.7	0.50	20.8	0.82	175	2,300	207	9,000	621	9,000	69.9	2.75	0.21	0.14

How to order/ part # structure

3TR7N-08-2-250BX



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