

Hydraulic Hoses





WARNING

Intertraco products are part of an engineered hose and fittings system which must be assembled and used in accordance with Intertraco instructions and limitations.

Intertraco hoses must be used for applications in accordance with the international standards SAE, ISO, EN, DIN, BS, UNI and in accordance to specific Intertraco instructions. Any other use is strictly prohibited.

Intertraco hose assemblies, covered by DNV and ABS certifications, must be used in accordance with these standards.

Any other use is strictly prohibited.

Failure to follow Intertraco instructions and limitations could lead to premature hose or hose assemblies failure resulting in property damage, serious injury or death.

Intertraco's limited warranty shall apply only if the customer uses hose and couplings specifically engineered and produced to Intertraco process specifications.

Intertraco disclaims any responsibility or liability for any hose assembly not produced from genuine Intertraco hose and couplings, in conformance with Intertraco process specifications for each specific hose assembly.

Intertraco does not identify all the end users of its products so that cannot distribute to these end users the product safety and use information.

Therefore, we must rely on the sellers and distributors of Intertraco products to provide a copy of this warning and precautions to all the end users.

It is not allowed to select or use hose and couplings without reading this warning, the precautions on the pages 42 - 43 - 44 and the specific instructions contained into hose data sheets.

When selecting a compatible fitting series please always make reference to the Intertraco hose and fittings compatibility chart and assembling instructions.

For fittings details please make reference to Intertraco fittings catalogues.

Please refer to our crimping chart for more detailed application data.

	compound	application	reinforcement	code	description	page	
BRIDGESTONE	Rubber	Hydraulics	Wire braid	Bridgestone R1K	One wire braid compact hose	8	
				Bridgestone R2K	Two wire braid compact hose	9	
			Wire spiral	Bridgestone 4ST	Four wire spiral thin cover hose	10	
				Bridgestone 4ST+	Four wire spiral thin cover hose	11	
				Bridgestone 6ST	Six wire spiral thin cover hose	12	
				Bridgestone HST	Four and six wire spiral thin cover hose	13	
Flexit	Rubber	Hydraulics	Wire braid	FlexIT 1T	One wire braid hose	14	
				FlexIT 2T	Two wire braid hose	15	
				FlexIT HT1	One wire braid high temperature hose	16	
				FlexIT HT2	Two wire braid high temperature hose	17	
				FlexIT SC117	One wire braid compact hose	18	
				FlexIT SK117	One wire braid compact hose	19	
				FlexIT SC216	Two wire braid compact hose	20	
				FlexIT SK216	Two wire braid compact hose	21	
				FlexIT SK119-SK219	One or two wire braid compact hose	22	
				FlexIT 3T	Three wire braid compact hose	23	
				FlexIT PT	One wire braid hose	24	
				FlexIT JF10K	Two wire braid compact hose	25	
				Wire spiral	FlexIT SHP	Four wire spiral hose	26
					FlexIT H4	Four wire spiral hose	27
					FlexIT F5000	Four or six wire spiral hose	28
		FlexIT F6000	Four or six wire spiral hose		29		
		Textile	FlexIT XF-R4		One helical wire and two textile braid hose	30	
			FlexIT R5	One textile and one wire braid hose	31		
			FlexIT EZ-Lock	Push-on hose	32		
		Power-wash	Wire braid	FlexIT JW1K	One wire braid hose	33	
				FlexIT JW2K	Two wire braid hose	34	
		Waterblast	Wire spiral	FlexIT WB1	Four wire spiral hose	35	
				FlexIT WB2	Four wire spiral hose	36	
				FlexIT WB3	Four or six wire spiral hose	37	
		PTFE	Hydraulics / others	Wire braid	FlexIT T14	One wire braid hose	38
		Thermo-plastic	Hydraulics / others	Textile	FlexIT T7	Two textile braid hose	39
					FlexIT T8	Two textile braid hose	40
					FlexIT T18	Two textile braid hose	41

BRIDGESTONE R1K

One wire braid compact hose

APPLICATIONS

hydraulic oils, both mineral and biological;
polyglycol base oils, water/oil emulsions, water

HYDRAULICS

WIRE BRAID



WIRE SPIRAL



hose type	ø hose			reinforcement diameter		outside diameter		working pressure		burst pressure		bend radius		weight	
	dn	inch	size	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lb/ft
R1K-04	6	1/4"	04	10,1	0,40	11,9	0,47	250	3600	1000	14400	50	1,97	0,20	0,13
R1K-06	10	3/8"	06	14,1	0,56	16,7	0,66	210	3000	840	12000	60	2,36	0,33	0,22
R1K-08	12	1/2"	08	16,4	0,65	19,0	0,75	180	2600	720	10000	65	2,56	0,35	0,23
R1K-10	16	5/8"	10	21,4	0,84	23,5	0,93	150	2200	600	9000	80	3,15	0,52	0,35
R1K-12	19	3/4"	12	23,9	0,94	26,3	1,04	140	2000	560	8000	100	3,94	0,59	0,40
R1K-16	25	1"	16	31,0	1,22	34,0	1,34	120	1750	480	7000	150	5,90	0,90	0,60

Hydraulic oils: -40 °C to +100 °C (-40 °F to +212 °F) - occasional peaks up to +120 °C (+248 °F)

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

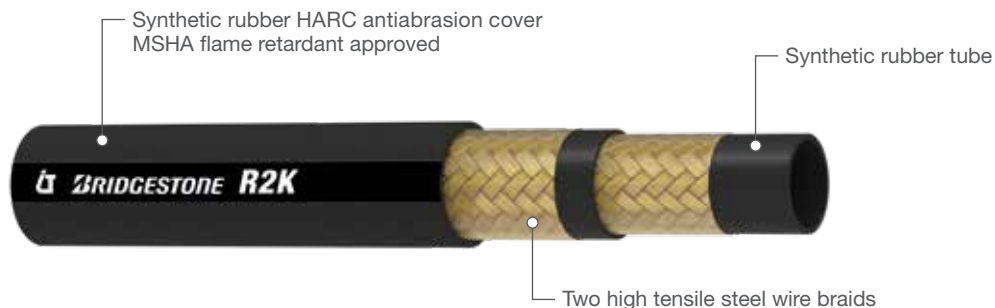
fitting type	assembling style	-03	-04	--	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48	
1 PIECE 	● No skive	K													
2 PIECE 	● No skive	B + SCX0T													

BRIDGESTONE R2K

Two wire braid compact hose

APPLICATIONS

hydraulic oils, both mineral and biological;
polyglycol base oils, water/oil emulsions, water



HYDRAULICS

WIRE BRAID



WIRE SPIRAL

hose type	ø hose			reinforcement diameter		outside diameter		working pressure		burst pressure		bend radius		weight	
	dn	inch	size	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lb/ft
R2K+04*	6	1/4"	04	12,7	0,50	14,9	0,59	420	6000	1680	24000	50	1,97	0,38	0,25
R2K-05	8	5/16"	05	12,8	0,50	14,5	0,57	380	5500	1520	22000	60	2,36	0,34	0,23
R2K-06	10	3/8"	06	15,3	0,60	17,2	0,68	350	5000	1400	20000	70	2,76	0,43	0,29
R2K+08*	12	1/2"	08	19,1	0,75	20,9	0,82	350	5000	1400	20000	90	3,54	0,60	0,40
R2K-10	16	5/8"	10	22,7	0,89	24,9	0,98	250	3600	1000	14400	100	3,94	0,74	0,50
R2K-12	19	3/4"	12	26,2	1,03	28,7	1,13	250	3600	1000	14400	120	4,72	0,92	0,62
R2K-16	25	1"	16	33,3	1,31	35,8	1,41	210	3000	840	12000	190	7,48	1,25	0,84

* II series

Hydraulic oils: -40 °C to +100 °C (-40 °F to +212 °F) - occasional peaks up to +120 °C (+248 °F)

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

fitting type	assembling style	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48	
1 PIECE 	● No skive	K													
2 PIECE 	● No skive	B + SN03T													

BRIDGESTONE 4ST

Four wire spiral thin cover hose

exceeds EN 856 4SH (sizes -20 / -32)

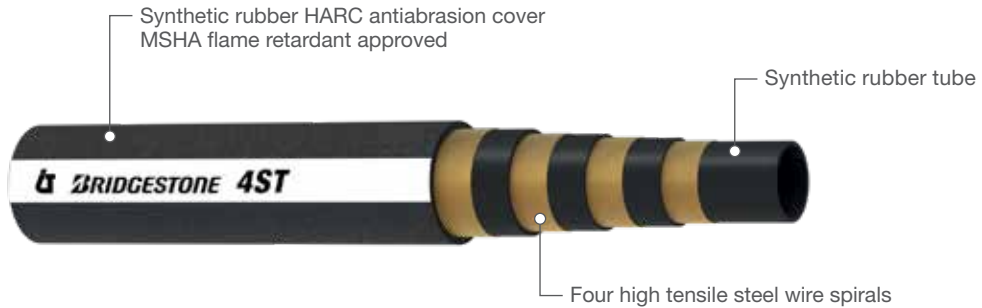
APPLICATIONS

High pressure hydraulic system for use with hydraulic oils, both mineral and biological, polyglycol base oils, water-oil emulsions, water

HYDRAULICS

WIRE BRAID



WIRE SPIRAL



hose type	ø hose			reinforcement diameter		outside diameter		working pressure		burst pressure		bend radius		weight	
	dn	inch	size	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lb/ft
4ST-10	16	5/8"	10	24,4	0,96	26,4	1,04	350	5000	1400	20000	140	5,51	1,00	0,67
4ST-12	19	3/4"	12	27,0	1,06	29,0	1,14	350	5000	1400	20000	170	6,69	1,09	0,73
4ST-16	25	1"	16	34,6	1,36	36,6	1,44	350	5000	1400	20000	220	8,66	1,95	1,31
4ST-20	31	1.1/4"	20	41,9	1,65	45,0	1,77	350	5000	1400	20000	230	9,06	2,49	1,67
4ST-24	38	1.1/2"	24	48,8	1,92	52,0	2,05	300	4350	1200	17400	280	11,02	3,03	2,04
4ST-32	51	2"	32	63,2	2,49	66,5	2,62	250	3600	1000	14400	315	12,40	4,43	2,98
4ST-40	63	2.1/2"	40	76,8	3,02	82,4	3,24	140	2000	560	8000	700	27,56	5,51	3,70

Hydraulic oils: -40 °C to +121 °C (-40 °F to +250 °F) - occasional peaks up to +125 °C (+257 °F)

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

fitting type	assembling style	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
1 PIECE 	● No skive									J				
	■ External skive									X			J	
2 PIECE 	● No skive									B + S312T				
	■ External skive									B + S0420				
	▲ Interlock										I + S004I			

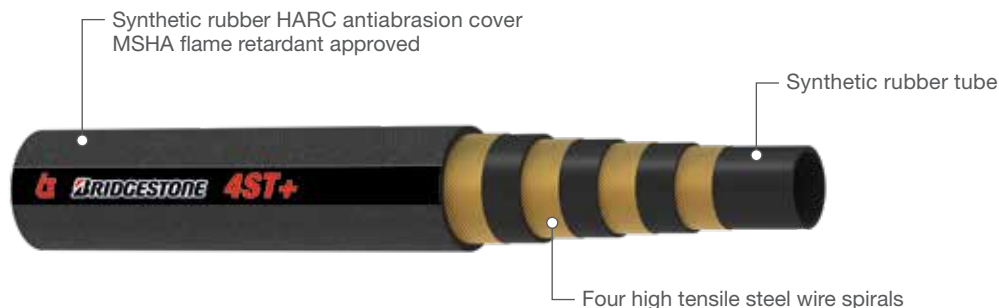
BRIDGESTONE 4ST+

Four wire spiral thin cover hose

exceeds SAE 100 R15

APPLICATIONS

High pressure hydraulic system with extreme high pressure peaks for use with hydraulic oils, both mineral and biological, polyglycol base oils, water-oil emulsions, water



HYDRAULICS

WIRE BRAID



WIRE SPIRAL

hose type	ø hose			reinforcement diameter		outside diameter		working pressure		burst pressure		bend radius		weight	
	dn	inch	size	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lb/ft
4ST+06	10	3/8"	06	17,2	0,68	19,9	0,78	450	6500	1800	26000	100	3,94	0,71	0,48
4ST+08	12	1/2"	08	20,0	0,79	22,2	0,87	420	6000	1680	24000	110	4,33	0,76	0,51
4ST+10	16	5/8"	10	24,4	0,96	26,4	1,04	420	6000	1680	24000	140	5,51	1,00	0,67
4ST+12	19	3/4"	12	28,2	1,11	30,1	1,19	420	6000	1680	24000	170	6,69	1,47	0,99
4ST+16	25	1"	16	34,6	1,36	36,6	1,44	420	6000	1680	24000	220	8,66	1,95	1,31
4ST+20*	31	1.1/4"	20	41,9	1,65	45,0	1,77	420	6000	1680	24000	380	14,96	2,49	1,67

* special hose

Hydraulic oils: -40 °C to +121 °C (-40 °F to +250 °F) - occasional peaks up to +125 °C (+257 °F)

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

fitting type	assembling style	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
1 PIECE 	● No skive							J						
	■ External skive								X					
2 PIECE 	● No skive							B + S312T						
	■ External skive							B + S0420						
	▲ Interlock								I + S004I					