



Hydraulic Hoses





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GSIHFX190

Hydraulic Hoses Catalogue

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WARNING



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



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

Intertraco Hose Assemblies, covered by DNV, Lloyd 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 failures 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 assemblies 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 33-34 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.

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Wire Braid and Spiral Hose Range and Sizes

WIRE BRAID HOSE RANGE

| Intertraco hose type | Hose standard | Ø mm | 3 | 5 | 6 | 8 | 10 | 12 | 16 | 19 | 25 | 31 | 38 | 51 | 63 | 76 | 102 |
|----------------------|---------------|--------|------|-------|------|------------------|------|------|----------------|------|------------------|------------------|-------------------|-----|--------|-----|-----|
| | | Ø inch | 1/8" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
| | | size | -02 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 | -48 | -64 |
| FlexIT 1T | EN 853 1SN | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| FlexIT 2T | EN 853 2SN | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| FlexIT HT1 | EN 853 1SN | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| FlexIT HT2 | EN 853 2SN | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| FlexIT SC117 | EN 857 1SC | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| FlexIT SK117 | EN 857 1SC | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| FlexIT SC216 | EN 857 2SC | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | | |
| FlexIT SK216 | - | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | |
| FlexIT JF10K | - | | | ◆ | | ◆ | | | | | | | | | | | |
| FlexIT 3T | - | | | | | ◆ | ◆ | | | ◆ | ◆ | | | | | | |
| FlexIT PT | - | | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | | | |
| FlexIT R5* | SAE 100 R5 | | R-04 | R-05 | R-06 | R-08 (13/32") | R-10 | R-12 | R-16 (7/8") | | R-20 (1 1/8") | R-24 (1 3/8") | R-32 (1 3/16") | | | | |
| FlexIT R4 | SAE 100 R4 | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| FlexIT EZ-Lock | SAE 100 R6 | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| FlexIT T7 | SAE 100 R7 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| FlexIT T14 | - | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | |
| FlexIT JW1K | | | | ◆ | ◆ | ◆ | ◆ | | | | | | | | | | |
| FlexIT JW2K | | | | ◆ | ◆ | ◆ | ◆ | | | | | | | | | | |

* R5 hoses follow different nominal bore.

WIRE SPIRAL HOSE RANGE

| Intertraco hose type | Hose standard | Ø mm | 6 | 10 | 12 | 16 | 19 | 25 | 31 | 38 | 51 | 63 |
|----------------------|---------------|--------|------|------|------|------|------|-----|--------|--------|-----|--------|
| | | Ø inch | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" |
| | | size | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 |
| FlexIT SHP | - | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| FlexIT H4 | EN 856 4SH | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| FlexIT 5000 | SAE 100 R13 | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| FlexIT 6000 | SAE 100 R15 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 4ST | - | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| 4ST+ | SAE 100 R15 | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | |
| 6ST | SAE 100 R15 | | | | | | | ◆ | ◆ | ◆ | | |
| FlexIT WB1 | - | ◆ | ◆ | ◆ | | | ◆ | ◆ | | | | |
| FlexIT WB2 | - | | ◆ | ◆ | | | ◆ | | | | | |
| FlexIT WB3 | - | | ◆ | ◆ | | | ◆ | | | | | |

Hose selection chart by Max Working Pressure

BAR

| Intertraco hose type | | | FlexIT 1T | FlexIT 2T | FlexIT SC117 | FlexIT SK117 | FlexIT SC216 | FlexIT SK216 | FlexIT JF10K | FlexIT 3T | FlexIT PT | FlexIT SHP | FlexIT H4 | FlexIT 5000 | FlexIT 6000 | 4ST | 4ST+ | 6ST |
|----------------------|--------|------|------------|------------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|------------|------------|-------------|-------------|-----|-------------|-------------|
| Hose standard | | | EN 853 1SN | EN 853 2SN | EN 857 1SC | EN 857 1SC | EN 857 2SC | - | - | - | - | - | EN 856 4SH | SAE 100 R13 | SAE 100 R15 | - | SAE 100 R15 | SAE 100 R15 |
| Ø mm | Ø inch | Size | | | | | | | | | | | | | | | | |
| 5 | 3/16" | -03 | | | | | | | | | 125 | | | | | | | |
| 6 | 1/4" | -04 | 225 | 400 | 225 | 290 | 400 | 450 | 700 | | 125 | 450 | | | | | | |
| 8 | 5/16" | -05 | 215 | 350 | 215 | 250 | 350 | 420 | | | 125 | | | | | | | |
| 10 | 3/8" | -06 | 180 | 330 | 210 | 230 | 350 | 385 | 700 | 500 | 125 | 450 | | | 420 | | 450 | |
| 12 | 1/2" | -08 | 160 | 275 | 210 | 210 | 275 | 345 | | 470 | 125 | 420 | | | 420 | | 420 | |
| 16 | 5/8" | -10 | 130 | 250 | 130 | 130 | 250 | 290 | | | | 350 | | 380 | 420 | 350 | 420 | |
| 19 | 3/4" | -12 | 105 | 215 | 105 | 105 | 250 | 280 | | 375 | | 350 | 420 | 380 | 420 | 350 | 420 | |
| 25 | 1" | -16 | 88 | 165 | | 88 | 165 | 230 | | 310 | | 320 | 380 | 350 | 420 | 350 | 420 | |
| 31 | 1.1/4" | -20 | 63 | 125 | | 100 | | 175 | | | | 210 | 350 | 350 | 420 | 350 | 420 | 450 |
| 38 | 1.1/2" | -24 | 50 | 90 | | | | | | | | 210 | 300 | 350 | 420 | 300 | | 420 |
| 51 | 2" | -32 | 40 | 80 | | | | | | | | 210 | 250 | 350 | 420 | 250 | | 420 |
| 63 | 2.1/2" | -40 | 40 | 69 | | | 70 | | | | | | | 350 | | | | |
| 76 | 3" | -48 | 35 | 50 | | | 70 | | | | | | | | | | | |

PSI

| Intertraco hose type | | | FlexIT 1T | FlexIT 2T | FlexIT SC117 | FlexIT SK117 | FlexIT SC216 | FlexIT SK216 | FlexIT JF10K | FlexIT 3T | FlexIT PT | FlexIT SHP | FlexIT H4 | FlexIT 5000 | FlexIT 6000 | 4ST | 4ST+ | 6ST |
|----------------------|--------|------|------------|------------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|------------|------------|-------------|-------------|------|-------------|-------------|
| Hose standard | | | EN 853 1SN | EN 853 2SN | EN 857 1SC | EN 857 1SC | EN 857 2SC | - | - | - | - | - | EN 856 4SH | SAE 100 R13 | SAE 100 R15 | - | SAE 100 R15 | SAE 100 R15 |
| Ø mm | Ø inch | Size | | | | | | | | | | | | | | | | |
| 5 | 3/16" | -03 | | | | | | | | | 1800 | | | | | | | |
| 6 | 1/4" | -04 | 3250 | 5800 | 3265 | 4200 | 5800 | 6500 | 10000 | | 1800 | 6500 | | | | | | |
| 8 | 5/16" | -05 | 3100 | 5000 | 3100 | 3600 | 5000 | 6000 | | | 1800 | | | | | | | |
| 10 | 3/8" | -06 | 2600 | 4800 | 3000 | 3300 | 5000 | 5500 | 10000 | 7200 | 1800 | 6500 | | | 6000 | | 6500 | |
| 12 | 1/2" | -08 | 2300 | 4000 | 3000 | 3000 | 4000 | 5000 | | 6800 | 1800 | 6000 | | | 6000 | | 6000 | |
| 16 | 5/8" | -10 | 1900 | 3600 | 1900 | 1900 | 3600 | 4200 | | | | 5000 | | 5500 | 6000 | 5000 | 6000 | |
| 19 | 3/4" | -12 | 1500 | 3100 | 1500 | 1500 | 3600 | 4000 | | 5400 | | 5000 | 6000 | 5500 | 6000 | 5000 | 6000 | |
| 25 | 1" | -16 | 1250 | 2400 | | 1250 | 2400 | 3300 | | 4500 | | 4600 | 5500 | 5000 | 6000 | 5000 | 6000 | |
| 31 | 1 1/4" | -20 | 920 | 1800 | | 1430 | | 2540 | | | | 3000 | 5000 | 5000 | 6000 | 5000 | 6000 | 6500 |
| 38 | 1 1/2" | -24 | 725 | 1300 | | | | | | | | 3000 | 4300 | 5000 | 6000 | 4350 | | 6000 |
| 51 | 2" | -32 | 580 | 1150 | | | | | | | | 3000 | 3600 | 5000 | 6000 | 3600 | | 6000 |
| 63 | 2 1/2" | -40 | 580 | 1000 | | | 1000 | | | | | | | 5000 | | | | |
| 76 | 3" | -48 | 500 | 725 | | | 1000 | | | | | | | | | | | |

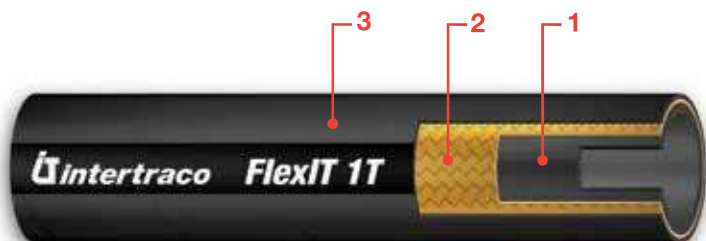
You can select hoses which meet or exceed a certain Isobaric line by following the colour coding:

| | | | |
|--------------------|---|--------------------|---|
| 210 bar / 3000 psi |  | 345 bar / 5000 psi |  |
| 275 bar / 4000 psi |  | 420 bar / 6000 psi |  |

FlexIT 1T

ONE WIRE BRAID HOSE

EN 853 1SN - SAE 100 R1AT



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application



Hydraulic oils, both mineral and biological;
Polyglycol base oils, water/oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| 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] |
| 1SN-04 | 6 | 1/4" | 04 | 11,1 | 0,437 | 13,2 | 0,520 | 225 | 3250 | 900 | 13000 | 100 | 3,94 | 0,21 | 0,14 |
| 1SN-05 | 8 | 5/16" | 05 | 12,7 | 0,500 | 14,5 | 0,571 | 215 | 3100 | 860 | 12400 | 115 | 4,53 | 0,24 | 0,16 |
| 1SN-06 | 10 | 3/8" | 06 | 15,1 | 0,594 | 17,2 | 0,677 | 180 | 2600 | 720 | 10400 | 125 | 4,92 | 0,33 | 0,22 |
| 1SN-08 | 12 | 1/2" | 08 | 18,0 | 0,709 | 20,4 | 0,803 | 160 | 2300 | 640 | 9200 | 180 | 7,09 | 0,41 | 0,28 |
| 1SN-10 | 16 | 5/8" | 10 | 21,2 | 0,835 | 23,5 | 0,925 | 130 | 1900 | 520 | 7600 | 200 | 7,87 | 0,45 | 0,30 |
| 1SN-12 | 19 | 3/4" | 12 | 25,2 | 0,992 | 27,5 | 1,083 | 105 | 1500 | 420 | 6000 | 240 | 9,45 | 0,58 | 0,39 |
| 1SN-16 | 25 | 1" | 16 | 33,1 | 1,303 | 35,4 | 1,394 | 88 | 1250 | 352 | 5000 | 300 | 11,81 | 0,88 | 0,59 |
| 1SN-20 | 31 | 1.1/4" | 20 | 40,2 | 1,583 | 43,5 | 1,713 | 63 | 920 | 252 | 3680 | 420 | 16,54 | 1,23 | 0,83 |
| 1SN-24 | 38 | 1.1/2" | 24 | 46,7 | 1,839 | 50,0 | 1,969 | 50 | 725 | 200 | 2900 | 500 | 19,69 | 1,51 | 1,01 |
| 1SN-32 | 51 | 2" | 32 | 60,2 | 2,370 | 63,6 | 2,504 | 40 | 580 | 160 | 2320 | 630 | 24,80 | 1,97 | 1,32 |
| 1SN-40 | 63 | 2.1/2" | 40 | 73,0 | 2,874 | 76,5 | 3,012 | 40 | 580 | 160 | 2320 | 760 | 29,92 | 2,54 | 1,71 |
| 1SN-48 | 76 | 3" | 48 | 85,0 | 3,346 | 88,5 | 3,484 | 35 | 500 | 140 | 2000 | 900 | 35,43 | 2,71 | 1,82 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT 1T | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 | -48 |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece  | No-skive: K series | | | | | | | | | | | | |
| | No-skive: J series | | | | | | | | | | | | |
| 2 Piece  | No-skive: B insert + SN03T ferrule | | | | | | | | | | | | |
| | No-skive: B insert + SCX0T ferrule | | | | | | | | | | | | |
| | Ext-skive: B insert + S0210 ferrule | | | | | | | | | | | | |

FlexIT 2T

TWO WIRE BRAID HOSE

EN 853 2SN - SAE 100 R2AT



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water/oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| 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] |
| 2SN-04 | 6 | 1/4" | 04 | 12,7 | 0,500 | 15,0 | 0,591 | 400 | 5800 | 1600 | 23200 | 100 | 3,94 | 0,33 | 0,22 |
| 2SN-05 | 8 | 5/16" | 05 | 14,3 | 0,563 | 16,4 | 0,646 | 350 | 5000 | 1400 | 20000 | 115 | 4,53 | 0,39 | 0,26 |
| 2SN-06 | 10 | 3/8" | 06 | 16,7 | 0,657 | 18,8 | 0,740 | 330 | 4800 | 1320 | 19200 | 125 | 4,92 | 0,50 | 0,34 |
| 2SN-08 | 12 | 1/2" | 08 | 19,8 | 0,780 | 22,2 | 0,874 | 275 | 4000 | 1100 | 16000 | 180 | 7,09 | 0,59 | 0,40 |
| 2SN-10 | 16 | 5/8" | 10 | 23,0 | 0,906 | 25,2 | 0,992 | 250 | 3600 | 1000 | 14400 | 200 | 7,87 | 0,71 | 0,48 |
| 2SN-12 | 19 | 3/4" | 12 | 27,0 | 1,063 | 29,3 | 1,154 | 215 | 3100 | 860 | 12400 | 240 | 9,45 | 0,86 | 0,58 |
| 2SN-16 | 25 | 1" | 16 | 34,9 | 1,374 | 37,2 | 1,465 | 165 | 2400 | 660 | 9600 | 300 | 11,81 | 1,28 | 0,86 |
| 2SN-20 | 31 | 1.1/4" | 20 | 44,5 | 1,752 | 47,3 | 1,862 | 125 | 1800 | 500 | 7200 | 420 | 16,54 | 2,02 | 1,36 |
| 2SN-24 | 38 | 1.1/2" | 24 | 50,8 | 2,000 | 53,7 | 2,114 | 90 | 1300 | 360 | 5200 | 500 | 19,69 | 2,23 | 1,50 |
| 2SN-32 | 51 | 2" | 32 | 63,5 | 2,500 | 66,7 | 2,626 | 80 | 1150 | 320 | 4600 | 630 | 24,80 | 2,85 | 1,92 |
| 2SN-40 | 63 | 2.1/2" | 40 | 75,8 | 2,984 | 79,3 | 3,122 | 69 | 1000 | 276 | 4000 | 760 | 29,92 | 3,81 | 2,56 |
| 2SN-48 | 76 | 3" | 48 | 87,8 | 3,457 | 91,3 | 3,594 | 50 | 725 | 200 | 2900 | 900 | 35,43 | 4,04 | 2,71 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

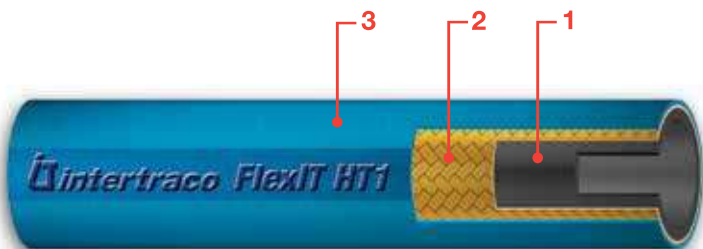
| FlexIT 2T | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 | -48 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | | | | | |
| | No-skive: J series | | | | | | | | | | | | |
| 2 Piece | No-skive: B insert + SN03T ferrule | | | | | | | | | | | | |
| | Ext-skive: B insert + S0420 ferrule | | | | | | | | | | | | |

FlexIT HT1

ONE WIRE BRAID HIGH TEMPERATURE HOSE

EN 853 1SN - SAE 100 R1AT

+135 °C / +275 °F



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Blue synthetic rubber cover, MSHA flame retardant approved.

Application

High temperature hose;
Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +135°C (-40°F to +275°F)
occasional peaks up to +150°C (+302°F).

| 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] |
| HT1-04 | 6 | 1/4" | 04 | 11,1 | 0,437 | 13,2 | 0,520 | 225 | 3250 | 900 | 13000 | 100 | 3,94 | 0,21 | 0,14 |
| HT1-05 | 8 | 5/16" | 05 | 12,7 | 0,500 | 14,5 | 0,571 | 215 | 3100 | 860 | 12400 | 115 | 4,53 | 0,24 | 0,16 |
| HT1-06 | 10 | 3/8" | 06 | 15,1 | 0,594 | 17,2 | 0,677 | 180 | 2600 | 720 | 10400 | 125 | 4,92 | 0,33 | 0,22 |
| HT1-08 | 12 | 1/2" | 08 | 18,0 | 0,709 | 20,4 | 0,803 | 160 | 2300 | 640 | 9200 | 180 | 7,09 | 0,41 | 0,28 |
| HT1-10 | 16 | 5/8" | 10 | 21,2 | 0,835 | 23,5 | 0,925 | 130 | 1900 | 520 | 7600 | 200 | 7,87 | 0,45 | 0,30 |
| HT1-12 | 19 | 3/4" | 12 | 25,2 | 0,992 | 27,5 | 1,083 | 105 | 1500 | 420 | 6000 | 240 | 9,45 | 0,58 | 0,39 |
| HT1-16 | 25 | 1" | 16 | 33,1 | 1,303 | 35,4 | 1,394 | 88 | 1250 | 352 | 5000 | 300 | 11,81 | 0,88 | 0,59 |
| HT1-20 | 31 | 1.1/4" | 20 | 40,2 | 1,583 | 43,5 | 1,713 | 63 | 920 | 252 | 3680 | 420 | 16,54 | 1,23 | 0,83 |
| HT1-24 | 38 | 1.1/2" | 24 | 46,7 | 1,839 | 50,0 | 1,969 | 50 | 725 | 200 | 2900 | 500 | 19,69 | 1,51 | 1,01 |
| HT1-32 | 51 | 2" | 32 | 60,2 | 2,370 | 63,6 | 2,504 | 40 | 580 | 160 | 2320 | 630 | 24,80 | 1,97 | 1,32 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT HT1 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | | | |
| | No-skive: J series | | | | | | | | | | |
| 2 Piece | No-skive: B insert + SN03T ferrule | | | | | | | | | | |
| | Ext-skive: B insert + S0210 ferrule | | | | | | | | | | |

FlexIT HT2

TWO WIRE BRAID HIGH TEMPERATURE HOSE

EN 853 2SN - SAE 100 R2AT

+135 °C / +275 °F



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Blue synthetic rubber cover, MSHA flame retardant approved.

Application

High temperature hose;
Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +135°C (-40°F to +275°F)
occasional peaks up to +150°C (+302°F).

| 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] |
| HT2-04 | 6 | 1/4" | 04 | 12,7 | 0,500 | 15,0 | 0,591 | 400 | 5800 | 1600 | 23200 | 100 | 3,94 | 0,33 | 0,22 |
| HT2-05 | 8 | 5/16" | 05 | 14,3 | 0,563 | 16,4 | 0,646 | 350 | 5000 | 1400 | 20000 | 115 | 4,53 | 0,39 | 0,26 |
| HT2-06 | 10 | 3/8" | 06 | 16,7 | 0,657 | 18,8 | 0,740 | 330 | 4800 | 1320 | 19200 | 125 | 4,92 | 0,50 | 0,34 |
| HT2-08 | 12 | 1/2" | 08 | 19,8 | 0,780 | 22,2 | 0,874 | 275 | 4000 | 1100 | 16000 | 180 | 7,09 | 0,59 | 0,40 |
| HT2-10 | 16 | 5/8" | 10 | 23,0 | 0,906 | 25,2 | 0,992 | 250 | 3600 | 1000 | 14400 | 200 | 7,87 | 0,71 | 0,48 |
| HT2-12 | 19 | 3/4" | 12 | 27,0 | 1,063 | 29,3 | 1,154 | 215 | 3100 | 860 | 12400 | 240 | 9,45 | 0,86 | 0,58 |
| HT2-16 | 25 | 1" | 16 | 34,9 | 1,374 | 37,2 | 1,465 | 165 | 2400 | 660 | 9600 | 300 | 11,81 | 1,28 | 0,86 |
| HT2-20 | 31 | 1.1/4" | 20 | 44,5 | 1,752 | 47,3 | 1,862 | 125 | 1800 | 500 | 7200 | 420 | 16,54 | 2,02 | 1,36 |
| HT2-24 | 38 | 1.1/2" | 24 | 50,8 | 2,000 | 53,7 | 2,114 | 90 | 1300 | 360 | 5200 | 500 | 19,69 | 2,23 | 1,50 |
| HT2-32 | 51 | 2" | 32 | 63,5 | 2,500 | 66,7 | 2,626 | 80 | 1150 | 320 | 4600 | 630 | 24,80 | 2,85 | 1,92 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT HT2 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | | | |
| | No-skive: J series | | | | | | | | | | |
| 2 Piece | Ext-skive: B insert + SN03T ferrule | | | | | | | | | | |
| | Ext-skive: B insert + SCX0T ferrule | | | | | | | | | | |
| | Ext-skive: B insert + S0420 ferrule | | | | | | | | | | |

FlexIT SC117

ONE WIRE BRAID COMPACT HOSE

EN 857 1SC (ALL SIZES) - SAE 100 R17 (SIZES 04 -05 -06 -08)



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F);
occasional peaks up to +125°C (+250°F).

| HOSE TYPE | Ø HOSE | | | MEDIUM REINFORCEMENT DIAMETER | | MAX 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] |
| SC117-04 | 6 | 1/4" | 04 | 9,9 | 0,390 | 12,2 | 0,480 | 225 | 3265 | 900 | 13060 | 50 | 1,97 | 0,16 | 0,11 |
| SC117-05 | 8 | 5/16" | 05 | 11,7 | 0,461 | 14,0 | 0,551 | 215 | 3100 | 860 | 12400 | 55 | 2,16 | 0,21 | 0,14 |
| SC117-06 | 10 | 3/8" | 06 | 13,4 | 0,528 | 16,4 | 0,646 | 210 | 3000 | 840 | 12000 | 65 | 2,56 | 0,27 | 0,18 |
| SC117-08 | 12 | 1/2" | 08 | 17,1 | 0,673 | 20,0 | 0,787 | 210 | 3000 | 840 | 12000 | 70 | 2,76 | 0,39 | 0,26 |
| SC117-10 | 16 | 5/8" | 10 | 20,3 | 0,799 | 22,7 | 0,894 | 140 | 2000 | 560 | 8000 | 150 | 5,91 | 0,39 | 0,26 |
| SC117-12 | 19 | 3/4" | 12 | 23,9 | 0,941 | 26,5 | 1,043 | 105 | 1500 | 420 | 6000 | 180 | 7,09 | 0,50 | 0,34 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT SC117 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | | No-skive: K series | | | | | | | | | |
| 2 Piece | | No-skive: B insert + SCX0T ferrule | | | | | | | | | |

FlexIT SK117

ONE WIRE BRAID COMPACT HOSE

MEETS OR EXCEEDS: EN 857 1SC (ALL SIZES) - SAE 100 R17 (SIZES 04 -05 -06 -08)



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F),
occasional peaks up to +125°C (+250°F).

| HOSE TYPE | Ø HOSE | | | MEDIUM REINFORCEMENT DIAMETER | | MAX 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] |
| SK117-04 | 6 | 1/4" | 04 | 10,4 | 0,409 | 12,7 | 0,500 | 290 | 4200 | 1160 | 16800 | 40 | 1,57 | 0,18 | 0,12 |
| SK117-05 | 8 | 5/16" | 05 | 11,5 | 0,453 | 14,2 | 0,559 | 250 | 3600 | 1000 | 14400 | 55 | 2,17 | 0,21 | 0,14 |
| SK117-06 | 10 | 3/8" | 06 | 13,6 | 0,535 | 16,6 | 0,654 | 230 | 3300 | 920 | 13200 | 65 | 2,56 | 0,28 | 0,18 |
| SK117-08 | 12 | 1/2" | 08 | 17,4 | 0,685 | 20,0 | 0,787 | 210 | 3000 | 840 | 12000 | 70 | 2,76 | 0,36 | 0,24 |
| SK117-10 | 16 | 5/8" | 10 | 20,4 | 0,803 | 23,0 | 0,906 | 130 | 1900 | 520 | 7600 | 150 | 5,91 | 0,41 | 0,28 |
| SK117-12 | 19 | 3/4" | 12 | 23,8 | 0,937 | 26,7 | 1,051 | 105 | 1500 | 420 | 6000 | 180 | 7,09 | 0,52 | 0,35 |
| SK117-16 | 25 | 1" | 16 | 31,3 | 1,232 | 34,0 | 1,339 | 88 | 1250 | 352 | 5000 | 230 | 9,06 | 0,78 | 0,52 |
| SK117-20* | 31 | 1.1/4" | 20 | 40,2 | 1,583 | 44,6 | 1,756 | 100 | 1430 | 400 | 5800 | 300 | 11,81 | 1,28 | 0,85 |

* For crimping information, please refer to our separate specific crimping chart.

SK117 L: HARC antiabrasion cover - cold temperature -50 °C / -58 °F

SK117 P: UHMPE antiabrasion cover

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT SK117 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | | No-skive: K series | | | | | | | | | |
| | | No-skive: T series | | | | | | | | | |
| 2 Piece | | No-skive: B insert + SCX0T ferrule | | | | | | | | | |

FlexIT SC216

TWO WIRE BRAID COMPACT HOSE

EN 857 2SC - SAE 100 R16



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Synthetic rubber cover MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| HOSE TYPE | Ø HOSE | | | MEDIUM REINFORCEMENT DIAMETER | | MAX 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] |
| SC216-04 | 6 | 1/4" | 04 | 11,2 | 0,441 | 13,8 | 0,543 | 400 | 5800 | 1600 | 23200 | 50 | 1,97 | 0,28 | 0,19 |
| SC216-05 | 8 | 5/16" | 05 | 12,7 | 0,500 | 15,4 | 0,606 | 350 | 5000 | 1400 | 20000 | 55 | 2,17 | 0,33 | 0,22 |
| SC216-06* | 10 | 3/8" | 06 | 15,1 | 0,594 | 17,3 | 0,681 | 350 | 5000 | 1400 | 20000 | 65 | 2,56 | 0,42 | 0,28 |
| SC216-08 | 12 | 1/2" | 08 | 18,3 | 0,720 | 20,8 | 0,819 | 280 | 4000 | 1120 | 16000 | 90 | 3,54 | 0,52 | 0,35 |
| SC216-10 | 16 | 5/8" | 10 | 21,4 | 0,843 | 24,7 | 0,972 | 250 | 3600 | 1000 | 14400 | 100 | 3,94 | 0,61 | 0,41 |
| SC216-12* | 19 | 3/4" | 12 | 25,4 | 1,000 | 28,6 | 1,126 | 250 | 3600 | 1000 | 14400 | 120 | 4,72 | 0,79 | 0,53 |
| SC216-16 | 25 | 1" | 16 | 33,4 | 1,315 | 36,6 | 1,441 | 165 | 2400 | 660 | 9600 | 150 | 5,90 | 1,10 | 0,74 |
| SC216-40 | 63 | 2.1/2" | 40 | 73,7 | 2,902 | 77,5 | 3,051 | 70 | 1000 | 280 | 4000 | 760 | 29,92 | 3,3 | 2,22 |
| SC216-48 | 76 | 3" | 48 | 89,0 | 3,504 | 92,3 | 3,634 | 70 | 1000 | 280 | 4000 | 900 | 35,43 | 3,78 | 2,54 |

* II series

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT SC216 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 | -48 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | | | | | |
| | No-skive: J series | | | | | | | | | | | | |
| 2 Piece | No-skive: B insert + SN03T ferrule | | | | | | | | | | | | |
| | No-skive: B insert + SCX0T ferrule | | | | | | | | | | | | |
| | Ext-skive: B insert + S0210 ferrule | | | | | | | | | | | | |

FlexIT SK216

TWO WIRE BRAID COMPACT HOSE

EXCEEDS: EN 857 2SC (ALL SIZES) - SAE 100 R17 (SIZES 10 -12 -16)



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Synthetic rubber cover MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| HOSE TYPE | Ø HOSE | | | MEDIUM REINFORCEMENT DIAMETER | | MAX 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] |
| SK216-04 | 6 | 1/4" | 04 | 11,5 | 0,453 | 13,8 | 0,543 | 450 | 6500 | 1800 | 26000 | 45 | 1,77 | 0,29 | 0,19 |
| SK216-05 | 8 | 5/16" | 05 | 13,0 | 0,512 | 15,6 | 0,614 | 420 | 6000 | 1680 | 24000 | 60 | 2,36 | 0,34 | 0,23 |
| SK216-06 | 10 | 3/8" | 06 | 15,0 | 0,591 | 17,8 | 0,701 | 385 | 5500 | 1540 | 22000 | 70 | 2,76 | 0,44 | 0,30 |
| SK216-08 | 12 | 1/2" | 08 | 18,8 | 0,740 | 21,4 | 0,843 | 345 | 5000 | 1380 | 20000 | 90 | 3,54 | 0,54 | 0,36 |
| SK216-10 | 16 | 5/8" | 10 | 21,6 | 0,850 | 24,4 | 0,961 | 290 | 4200 | 1160 | 16800 | 100 | 3,94 | 0,63 | 0,42 |
| SK216-12 | 19 | 3/4" | 12 | 25,7 | 1,010 | 28,5 | 1,122 | 280 | 4000 | 1120 | 16000 | 120 | 4,72 | 0,84 | 0,56 |
| SK216-16 | 25 | 1" | 16 | 34,1 | 1,341 | 36,6 | 1,441 | 230 | 3300 | 920 | 13200 | 150 | 5,90 | 1,35 | 0,91 |
| SK216-20 | 31 | 1.1/4" | 20 | 40,5 | 1,594 | 44,7 | 1,760 | 175 | 2540 | 700 | 10200 | 300 | 11,81 | 1,57 | 1,06 |

SK216 L: HARC antiabrasion cover - cold temperature -50 °C / -58 °F

SK216 A: Smooth finish cover

SK216 P: UHMPE antiabrasion cover

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT SK216 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|-----|---|-----|---------------------------|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | | No-skive: K series | | | | | | | | | |
| | | | | No-skive: J series | | | | | | | |
| 2 Piece | | No-skive: B insert + SN03T ferrule | | | | | | | | | |
| | | No-skive: B insert + SCX0T ferrule | | | | | | | | | |
| | | Ext-skive: B insert + S0210 ferrule | | | | | | | | | |

FlexIT JF10K

TWO WIRE BRAID COMPACT HOSE

HIGH PRESSURE FOR JACK APPLICATIONS



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application



Hydraulic oils, both mineral and biological; polyglycol base oils, water-oil emulsions, water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F).

| HOSE TYPE | Ø HOSE | | | REINFORCEMENT DIAMETER | | MAX 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] |
| JF10K-04 | 6 | 1/4" | 04 | 11,5 | 0,453 | 13,8 | 0,543 | 700 | 10000 | 1400 | 20000 | 45 | 1,77 | 0,27 | 0,18 |
| JF10K-06 | 10 | 3/8" | 06 | 15,0 | 0,591 | 17,5 | 0,689 | 700 | 10000 | 1400 | 20000 | 70 | 2,76 | 0,39 | 0,26 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT JF10K | -03 | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|---|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece  | | No-skive: K series | | | | | | | | |
| 2 Piece  | | No-skive: B insert + SN03T ferrule | | | | | | | | |

FlexIT 3T

THREE WIRE BRAID COMPACT HOSE

FORESTRY HOSE



Construction

- 1 - Synthetic rubber tube;
- 2 - Three high tensile steel wire braids;
- 3 - Synthetic rubber cover;

Application



Hydraulic oils, both mineral and biological; polyglycol base oils, water-oil emulsions, water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| 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] |
| 3T-06 | 10 | 3/8" | 06 | 17,0 | 0,669 | 19,2 | 0,756 | 500 | 7200 | 2000 | 28800 | 120 | 4,72 | 0,50 | 0,34 |
| 3T-08 | 12 | 1/2" | 08 | 20,2 | 0,795 | 22,4 | 0,882 | 470 | 6800 | 1880 | 27200 | 160 | 6,30 | 0,60 | 0,40 |
| 3T-12 | 19 | 3/4" | 12 | 27,3 | 1,075 | 29,5 | 1,161 | 375 | 5400 | 1500 | 21600 | 260 | 10,24 | 0,85 | 0,57 |
| 3T-16 | 25 | 1" | 16 | 34,2 | 1,346 | 36,4 | 1,433 | 310 | 4500 | 1240 | 18000 | 310 | 12,20 | 1,40 | 0,94 |

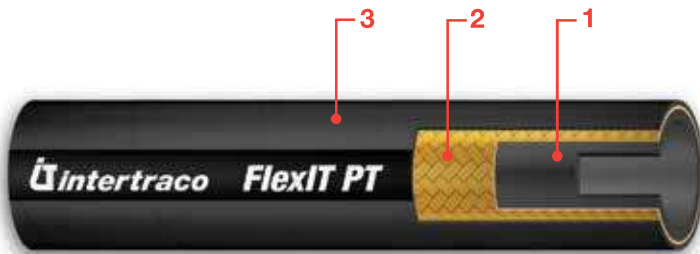
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT 3T | -03 | -04 | -05 | -06 | -08 | -12 | -16 | -20 | -24 | -32 |
|---|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|
| 1 Piece  | | | | No-skive: J series | | | | | | |
| 2 Piece  | | | | Ext-skive: B insert + S0420 ferrule | | | | | | |
| | | | | No-skive: B insert + S312T ferrule | | | | | | |

FlexIT PT

ONE WIRE BRAID HOSE

PILOT HOSE



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover, MSHA on request;

Application



Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40 °C to +100 °C (-40°F to +212°F).

| 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] |
| PT-03 | 5 | 3/16" | 03 | 8,7 | 0,343 | 10,5 | 0,413 | 125 | 1800 | 500 | 7200 | 20 | 0,79 | 0,12 | 0,08 |
| PT-04 | 6 | 1/4" | 04 | 9,9 | 0,390 | 11,5 | 0,453 | 125 | 1800 | 500 | 7200 | 30 | 1,18 | 0,17 | 0,11 |
| PT-05 | 8 | 5/16" | 05 | 11,5 | 0,453 | 13,1 | 0,516 | 125 | 1800 | 500 | 7200 | 40 | 1,57 | 0,19 | 0,13 |
| PT-06 | 10 | 3/8" | 06 | 13,2 | 0,520 | 14,8 | 0,583 | 125 | 1800 | 500 | 7200 | 50 | 1,97 | 0,25 | 0,17 |
| PT-08 | 12 | 1/2" | 08 | 16,2 | 0,638 | 19,4 | 0,764 | 125 | 1800 | 500 | 7200 | 60 | 2,36 | 0,31 | 0,21 |

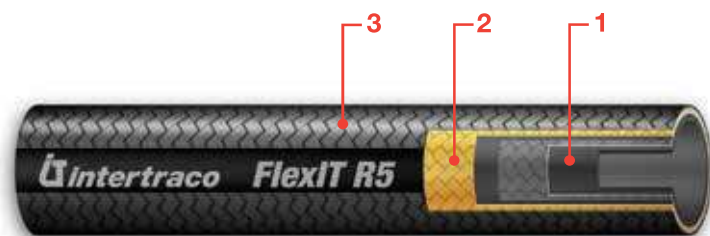
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT PT | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|---|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece  | No-skive: T series | | | | | | | | | | |
| 2 Piece  | No-skive: B insert + SCX0T ferrule | | | | | | | | | | |
| | No-skive: B insert + S00TK ferrule | | | | | | | | | | |

FlexIT R5

ONE TEXTILE AND ONE WIRE BRAID HOSE

SAE 100 R5



Construction

- 1 - Synthetic rubber tube;
- 2 - One synthetic textile and one high tensile steel wire braid;
- 3 - Polyester textile braid cover;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.


Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F).

| 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] |
| R5-04 | 5 | 3/16" | 04 | 11,3 | 0,445 | 12,9 | 0,508 | 210 | 3000 | 840 | 12000 | 75 | 2,95 | 0,25 | 0,17 |
| R5-05 | 6 | 1/4" | 05 | 12,9 | 0,508 | 14,5 | 0,571 | 210 | 3000 | 840 | 12000 | 85 | 3,35 | 0,29 | 0,19 |
| R5-06 | 8 | 5/16" | 06 | 15,2 | 0,598 | 16,8 | 0,661 | 155 | 2250 | 620 | 9000 | 100 | 3,94 | 0,36 | 0,24 |
| R5-08 | 10 | 13/32" | 08 | 17,5 | 0,689 | 19,1 | 0,752 | 140 | 2000 | 560 | 8000 | 115 | 4,53 | 0,42 | 0,28 |
| R5-10 | 12 | 1/2" | 10 | 21,3 | 0,839 | 22,9 | 0,902 | 122 | 1750 | 488 | 7000 | 140 | 5,51 | 0,57 | 0,38 |
| R5-12 | 16 | 5/8" | 12 | 25,5 | 1,004 | 27,1 | 1,067 | 105 | 1500 | 420 | 6000 | 165 | 6,50 | 0,71 | 0,47 |
| R5-16 | 22 | 7/8" | 16 | 29,2 | 1,150 | 30,8 | 1,213 | 56 | 800 | 224 | 3200 | 185 | 7,28 | 0,70 | 0,47 |
| R5-20 | 28 | 1.1/8" | 20 | 36,0 | 1,417 | 37,6 | 1,480 | 43 | 625 | 172 | 2500 | 230 | 9,06 | 0,925 | 0,62 |
| R5-24 | 35 | 1.3/8" | 24 | 42,8 | 1,685 | 44,4 | 1,748 | 35 | 500 | 140 | 2000 | 265 | 10,43 | 1,15 | 0,77 |
| R5-32 | 46 | 1.13/16" | 32 | 54,3 | 2,138 | 56,4 | 2,220 | 24 | 350 | 96 | 1400 | 335 | 13,19 | 1,39 | 0,93 |

FlexIT R5 HT: version for high temperature with blue cover +135°C / +275°F (only for hydraulic oils)

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT R5 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|---|-------|------|-------|--------|------|------|------|--------|--------|----------|
| | 5 | 6 | 8 | 10 | 12 | 16 | 22 | 28 | 35 | 46 |
| | 3/16" | 1/4" | 5/16" | 13/32" | 1/2" | 5/8" | 7/8" | 1 1/8" | 1 3/8" | 1 13/16" |
| 1 Piece  | R04 | R05 | R06 | R08 | R10 | R12 | R16 | R20 | R24 | R32 |
| No-skive: R series | | | | | | | | | | |

FlexIT R4 HIGH FLEXIBILITY - HALF BEND RADIUS

ONE HELICAL WIRE AND TWO TEXTILE BRAID HOSE

SAE 100 R4



Construction

- 1 - Synthetic rubber tube;
- 2 - Helical wire between an inner and an outer textile braid;
- 3 - Synthetic rubber cover, MSHA flame retardant approved.
- 4 - High flexibility. Half bend radius;

Application

Suction and return lines;
Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F).

| HOSE TYPE | Ø HOSE | | | MAX OUTSIDE DIAMETER | | VACUUM | | WORKING PRESSURE | | BURST PRESSURE | | BEND RADIUS | | WEIGHT | |
|-----------|--------|--------|------|----------------------|-------|--------|--------|------------------|-------|----------------|-------|-------------|-------|--------|---------|
| | DN | INCH | SIZE | [mm] | [in] | [bar] | [inHg] | [bar] | [psi] | [bar] | [psi] | [mm] | [in] | [kg/m] | [lb/ft] |
| XF-R4-12 | 19 | 3/4" | 12 | 29,0 | 1,142 | 0,8 | 28 | 21 | 300 | 84 | 1200 | 40 | 1,57 | 0,52 | 0,35 |
| XF-R4-16 | 25 | 1" | 16 | 35,0 | 1,378 | 0,8 | 28 | 17 | 250 | 68 | 1000 | 45 | 1,77 | 0,64 | 0,43 |
| XF-R4-20 | 31 | 1.1/4" | 20 | 42,0 | 1,653 | 0,8 | 28 | 14 | 200 | 56 | 800 | 60 | 2,36 | 0,82 | 0,55 |
| XF-R4-24 | 38 | 1.1/2" | 24 | 49,0 | 1,929 | 0,8 | 28 | 10 | 150 | 40 | 600 | 80 | 3,15 | 1,07 | 0,72 |
| XF-R4-32 | 51 | 2" | 32 | 62,0 | 2,441 | 0,8 | 28 | 7 | 100 | 28 | 400 | 160 | 6,30 | 1,54 | 1,04 |
| XF-R4-40 | 63 | 2.1/2" | 40 | 76,0 | 2,992 | 0,8 | 28 | 4 | 70 | 16 | 250 | 180 | 7,09 | 2,02 | 1,36 |
| XF-R4-48 | 76 | 3" | 48 | 89,0 | 3,504 | 0,8 | 28 | 4 | 70 | 16 | 250 | 225 | 8,86 | 2,50 | 1,69 |
| XF-R4-64 | 102 | 4" | 64 | 115,0 | 4,527 | 0,8 | 28 | 2 | 35 | 8 | 140 | 390 | 15,35 | 3,63 | 2,45 |

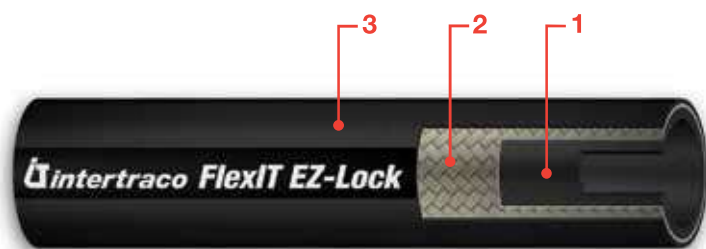
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT XF-R4 | -12 | -16 | -20 | -24 | -32 | -40 | -48 | -64 |
|--------------------|--|-----|--|-----|-----|--|-----|-----|
| 1 Piece | No-skive: K series | | No-skive: J series | | | | | |
| 2 Piece | No-skive: ferrule B insert + SN03T | | No-skive: ferrule B insert + S0420 | | | No-skive: ferrule B insert + SN03T | | |

FlexIT EZ-Lock

PUSH-ON HOSE

SAE 100 R6



Construction

- 1 - Synthetic rubber tube;
- 2 - One Synthetic Textile Braid;
- 3 - Synthetic rubber Cover;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range




Hydraulic oils: -40°C to +100°C (-40°F to +212°F).

| HOSE TYPE | Ø HOSE | | | OUTSIDE DIAMETER | | WORKING PRESSURE | | BURST PRESSURE | | BEND RADIUS | | WEIGHT | |
|-----------|--------|-------|------|------------------|-------|------------------|-------|----------------|-------|-------------|------|--------|---------|
| | DN | INCH | SIZE | [mm] | [in] | [bar] | [psi] | [bar] | [psi] | [mm] | [in] | [kg/m] | [lb/ft] |
| EZ-04 | 6 | 1/4" | 04 | 12,3 | 0,484 | 28 | 400 | 112 | 1600 | 65 | 2,56 | 0,11 | 0,07 |
| EZ-05 | 8 | 5/16" | 05 | 13,9 | 0,547 | 28 | 400 | 112 | 1600 | 80 | 3,15 | 0,13 | 0,08 |
| EZ-06 | 10 | 3/8" | 06 | 15,5 | 0,610 | 28 | 400 | 112 | 1600 | 80 | 3,15 | 0,15 | 0,10 |
| EZ-08 | 12 | 1/2" | 08 | 19,5 | 0,768 | 28 | 400 | 112 | 1600 | 100 | 3,94 | 0,20 | 0,13 |
| EZ-10 | 16 | 5/8" | 10 | 22,6 | 0,890 | 24 | 350 | 96 | 1400 | 125 | 4,92 | 0,26 | 0,17 |
| EZ-12 | 19 | 3/4" | 12 | 25,8 | 1,016 | 21 | 300 | 84 | 1200 | 150 | 5,91 | 0,31 | 0,20 |
| EZ-16 | 25 | 1" | 16 | 33,2 | 1,307 | 20 | 290 | 80 | 1160 | 170 | 6,69 | 0,46 | 0,31 |

FlexIT EZS: smooth cover

FlexIT EZW: wrapped cover

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT EZ-Lock | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | |
|---|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1 Piece  | | No-skive: T series | | | | | | | | | | |
| 2 Piece  | | No-skive: B insert + S00TK ferrule | | | | | | | | | | |
| Push Lock  | | Push Lock: L series | | | | | | | | | | |

FlexIT T7

TWO TEXTILE BRAID HOSE

MEETS OR EXCEEDS ISO 3949 R7 AND SAE 100 R7



Construction

- 1 - Thermoplastic polyester tube;
- 2 - Two polyester wire braids;
- 3 - Black polyurethane cover;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.



Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F);
Polyglycol base oils, water-oil emulsions, water and air: up to +65°C (+149°F).

| HOSE TYPE | Ø HOSE | | | OUTSIDE DIAMETER | | WORKING PRESSURE | | BURST PRESSURE | | BEND RADIUS | | WEIGHT | |
|-----------|--------|-------|------|------------------|-------|------------------|-------|----------------|-------|-------------|------|--------|---------|
| | DN | INCH | SIZE | [mm] | [in] | [bar] | [psi] | [bar] | [psi] | [mm] | [in] | [kg/m] | [lb/ft] |
| T7-03 | 5 | 3/16" | 03 | 10,0 | 0,394 | 210 | 3000 | 840 | 12000 | 30 | 1,18 | 0,07 | 0,05 |
| T7-04 | 6 | 1/4" | 04 | 11,8 | 0,465 | 200 | 2900 | 800 | 11600 | 35 | 1,38 | 0,09 | 0,06 |
| T7-05 | 8 | 5/16" | 05 | 14,3 | 0,563 | 190 | 2750 | 760 | 11000 | 45 | 1,77 | 0,13 | 0,09 |
| T7-06 | 10 | 3/8" | 06 | 16,0 | 0,630 | 175 | 2500 | 700 | 10000 | 55 | 2,17 | 0,16 | 0,10 |
| T7-08 | 12 | 1/2" | 08 | 20,3 | 0,799 | 140 | 2000 | 560 | 8000 | 75 | 2,95 | 0,22 | 0,15 |
| T7-10 | 16 | 5/8" | 10 | 23,5 | 0,925 | 105 | 1500 | 420 | 6000 | 120 | 4,72 | 0,28 | 0,19 |
| T7-12 | 19 | 3/4" | 12 | 26,5 | 1,043 | 90 | 1300 | 360 | 5200 | 145 | 5,71 | 0,33 | 0,22 |
| T7-16 | 25 | 1" | 16 | 33,6 | 1,323 | 70 | 1000 | 280 | 4000 | 200 | 7,87 | 0,40 | 0,27 |

FlexIT T7 NC: Electrically non-conductive version with orange cover

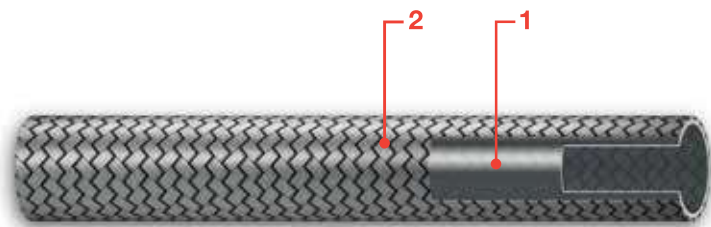
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT T7 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|---|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece  | No-skive: T series | | | | | | | | | | |
| 2 Piece  | No-skive: B insert + S00TK ferrule | | | | | | | | | | |

FlexIT T14

ONE WIRE BRAID HOSE

PTFE



Construction

- 1 - Polytetrafluorethylene tube;
- 2 - One stainless steel wire braid cover;

Application

Petroleum base and synthetic base hydraulic fluids;
Water base hydraulic fluids.

Temperature range

-54°C to +204°C;
-65°F to +400°F.

| HOSE TYPE | Ø HOSE | | | MAX OUTSIDE DIAMETER | | WORKING PRESSURE | | BURST PRESSURE | | BEND RADIUS | | WEIGHT | |
|-----------|--------|-------|------|----------------------|-------|------------------|-------|----------------|-------|-------------|-------|--------|---------|
| | DN | INCH | SIZE | [mm] | [in] | [bar] | [psi] | [bar] | [psi] | [mm] | [in] | [kg/m] | [lb/ft] |
| T14-02 | 3 | 1/8" | 02 | 6,7 | 0,264 | 275 | 4000 | 1100 | 16000 | 25 | 0,98 | 0,06 | 0,04 |
| T14-03 | 5 | 3/16" | 03 | 8,0 | 0,315 | 200 | 2900 | 800 | 11600 | 35 | 1,38 | 0,07 | 0,05 |
| T14-04 | 6 | 1/4" | 04 | 9,5 | 0,374 | 175 | 2500 | 700 | 10000 | 45 | 1,77 | 0,09 | 0,06 |
| T14-05 | 8 | 5/16" | 05 | 11,8 | 0,465 | 150 | 2200 | 600 | 8800 | 50 | 1,97 | 0,13 | 0,08 |
| T14-06 | 10 | 3/8" | 06 | 14,1 | 0,556 | 135 | 2000 | 540 | 8000 | 55 | 2,17 | 0,15 | 0,10 |
| T14-08 | 12 | 1/2" | 08 | 17,2 | 0,677 | 120 | 1750 | 480 | 7000 | 70 | 2,76 | 0,21 | 0,14 |
| T14-10 | 16 | 5/8" | 10 | 20,5 | 0,807 | 100 | 1450 | 400 | 5800 | 130 | 5,12 | 0,26 | 0,17 |
| T14-12 | 19 | 3/4" | 12 | 23,7 | 0,933 | 90 | 1300 | 360 | 5200 | 190 | 7,48 | 0,321 | 0,22 |
| T14-16 | 25 | 1" | 16 | 30,0 | 1,181 | 65 | 950 | 260 | 3800 | 270 | 10,63 | 0,45 | 0,30 |

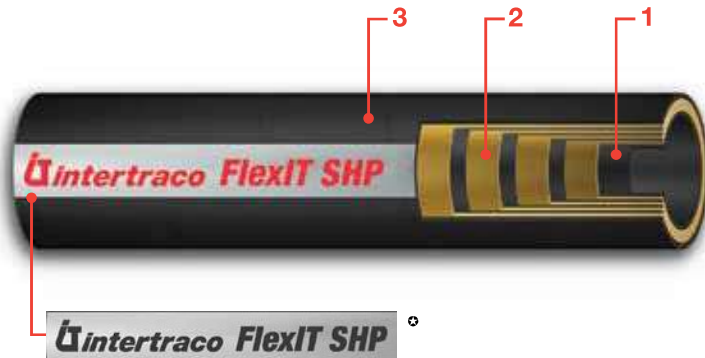
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT T14 | -02 | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: T series | | | | | | | | | | | |
| 2 Piece | No-skive: B insert + S014T ferrule | | | | | | | | | | | |

FlexIT SHP

FOUR WIRE SPIRAL HOSE

EN 856 4SP - EXCEEDS SAE 100 R12



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

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

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

⊙ SHP R: HARC antiabrasion cover

| 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] |

EN 856 4SP

| | | | | | | | | | | | | | | | |
|--------|---|------|----|------|-------|------|-------|-----|------|------|-------|-----|------|------|------|
| SHP-04 | 6 | 1/4" | 04 | 14,6 | 0,575 | 17,0 | 0,669 | 450 | 6500 | 1800 | 26000 | 150 | 5,91 | 0,57 | 0,38 |
|--------|---|------|----|------|-------|------|-------|-----|------|------|-------|-----|------|------|------|

MEETS OR EXCEEDS EN 856 4SP AND SAE 100 R12

| | | | | | | | | | | | | | | | |
|----------|----|------|----|------|-------|------|-------|-----|------|------|-------|-----|-------|------|------|
| SHP-06 * | 10 | 3/8" | 06 | 17,5 | 0,689 | 20,1 | 0,791 | 450 | 6500 | 1800 | 26000 | 180 | 7,09 | 0,69 | 0,46 |
| SHP-08 * | 12 | 1/2" | 08 | 20,6 | 0,811 | 23,0 | 0,905 | 420 | 6000 | 1680 | 24000 | 230 | 9,06 | 0,85 | 0,57 |
| SHP-10 * | 16 | 5/8" | 10 | 24,2 | 0,952 | 26,5 | 1,043 | 350 | 5000 | 1400 | 20000 | 250 | 9,84 | 1,04 | 0,69 |
| SHP-12 * | 19 | 3/4" | 12 | 28,2 | 1,110 | 30,6 | 1,204 | 350 | 5000 | 1400 | 20000 | 300 | 11,81 | 1,32 | 0,88 |
| SHP-16 * | 25 | 1" | 16 | 35,1 | 1,382 | 37,8 | 1,488 | 320 | 4600 | 1280 | 18400 | 340 | 13,38 | 2,06 | 1,38 |

MEETS OR EXCEEDS SAE 100 R12

| | | | | | | | | | | | | | | | |
|----------|----|--------|----|------|-------|------|-------|-----|------|-----|-------|-----|-------|------|------|
| SHP-20 * | 31 | 1.1/4" | 20 | 41,9 | 1,650 | 45,9 | 1,807 | 210 | 3000 | 840 | 12000 | 420 | 16,54 | 2,51 | 1,69 |
| SHP-24 * | 38 | 1.1/2" | 24 | 49,0 | 1,929 | 53,5 | 2,106 | 210 | 3000 | 840 | 12000 | 500 | 19,69 | 3,26 | 2,19 |
| SHP-32 * | 51 | 2" | 32 | 63,2 | 2,488 | 68,3 | 2,689 | 210 | 3000 | 840 | 12000 | 630 | 24,80 | 4,90 | 3,29 |

* II series

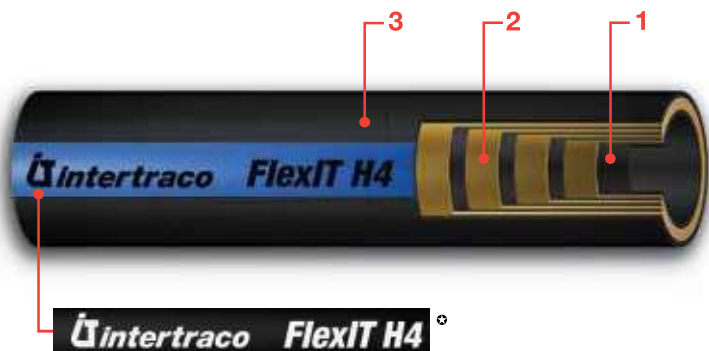
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT SHP | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: J series | | | | | | | | |
| | Ext-skive: X series | | | | | | | | |
| 2 Piece | No-skive: B insert + S312T ferrule | | | | | | | | |
| | Ext-skive: B insert + S0420 ferrule | | | | | | | | |

FlexIT H4*

FOUR WIRE SPIRAL HOSE

EN 856 4SH



* H4 R: HARC antiabrasion cover

Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

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

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F).

| 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] |
| H4-10 | 16 | 5/8" | 10 | 25,0 | 0,984 | 28,7 | 1,130 | 450 | 6500 | 1800 | 26000 | 250 | 9,84 | 1,09 | 0,73 |
| H4-12 | 19 | 3/4" | 12 | 28,4 | 1,118 | 31,9 | 1,255 | 420 | 6000 | 1680 | 24000 | 280 | 11,02 | 1,45 | 0,97 |
| H4-16 | 25 | 1" | 16 | 35,5 | 1,398 | 38,5 | 1,515 | 380 | 5500 | 1520 | 22000 | 340 | 13,39 | 2,14 | 1,44 |
| H4-20 | 31 | 1.1/4" | 20 | 41,9 | 1,650 | 45,9 | 1,807 | 350 | 5000 | 1400 | 20000 | 460 | 18,11 | 2,51 | 1,69 |
| H4-24 | 38 | 1.1/2" | 24 | 49,0 | 1,929 | 53,5 | 2,106 | 300 | 4300 | 1200 | 17200 | 560 | 22,05 | 3,26 | 2,19 |
| H4-32 | 51 | 2" | 32 | 63,2 | 2,488 | 68,3 | 2,689 | 250 | 3600 | 1000 | 14400 | 700 | 27,56 | 4,90 | 3,29 |

* II series all sizes

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT H4 | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|----------------------|-----|-----|-----|-----|-----|-----|---|-----|-----|
| 1 Piece | | | | | | | No-skive: J -series | | |
| | | | | | | | Ext-skive: X series | | |
| 2 Piece | | | | | | | No-skive: B insert + S312T ferrule | | |
| | | | | | | | Ext-skive: B insert + S0420 ferrule | | |
| Interlock | | | | | | | Interlock: I insert + S004I ferrule | | |

FlexIT 5000

FOUR OR SIX WIRE SPIRAL HOSE

ISO 18752-CC ISOBARIC LINE AT WP 350 BAR 5000 PSI



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals from size 10 to 24 and six high tensile steel wire spirals from size 32 to 40;
- 3 - Synthetic rubber cover Abrasion resistant Type, MSHA flame retardant approved;

Application

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

Temperature range

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

| 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] |
| FlexIT 5000-10 | 16 | 5/8" | 10 | 24,2 | 0,953 | 26,5 | 1,043 | 380 | 5500 | 1520 | 22000 | 100 | 3,94 | 1,03 | 0,69 |
| FlexIT 5000-12* | 19 | 3/4" | 12 | 27,9 | 1,098 | 30,5 | 1,200 | 380 | 5500 | 1520 | 22000 | 120 | 4,72 | 1,32 | 0,87 |
| FlexIT 5000-16* | 25 | 1" | 16 | 35,1 | 1,382 | 37,9 | 1,492 | 350 | 5000 | 1400 | 20000 | 150 | 5,90 | 1,77 | 1,19 |
| FlexIT 5000-20* | 31 | 1.1/4" | 20 | 42,3 | 1,665 | 45,9 | 1,807 | 350 | 5000 | 1400 | 20000 | 210 | 8,27 | 2,55 | 1,71 |
| FlexIT 5000-24* | 38 | 1.1/2" | 24 | 49,2 | 1,937 | 53,4 | 2,102 | 350 | 5000 | 1400 | 20000 | 250 | 9,84 | 3,26 | 2,19 |
| FlexIT 5000-32* | 51 | 2" | 32 | 67,7 | 2,665 | 71,5 | 2,816 | 350 | 5000 | 1400 | 20000 | 600 | 23,62 | 6,90 | 4,64 |
| FlexIT 5000-40 | 63 | 2.1/2" | 40 | 81,8 | 3,220 | 86,0 | 3,386 | 350 | 5000 | 1400 | 20000 | 800 | 31,50 | 8,00 | 5,38 |

* II series

EN 856 R13 - SAE 100 R13 ←

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT 5000 | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 | -40 |
|----------------------|-----|-----|-----|---|-----|-----|----------------------------|---|---------------------------|-----|
| 1 Piece | | | | No-skive: J series | | | | | No-skive: H series | |
| | | | | | | | Ext-skive: X series | | | |
| 2 Piece | | | | No-skive: B insert + S312T ferrule | | | | | | |
| | | | | Ext-skive: B insert + S0420 ferrule | | | | | | |
| Interlock | | | | Interlock: I insert + S004I ferrule | | | | Interlock: I insert + S006I ferrule | | |

FlexIT 6000

FOUR OR SIX WIRE SPIRAL HOSE

SAE 100 R15 - ISO 18752-CC ISOBARIC LINE AT WP 420 BAR 6000 PS



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals from size 06 to 16 and six high tensile steel wire spirals from size 20 to 32;
- 3 - Synthetic rubber cover Abrasion resistant Type, MSHA flame retardant approved;

Application

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

Temperature range

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

| 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] |
| FlexIT 6000-06 | 10 | 3/8" | 06 | 17,7 | 0,697 | 20,2 | 0,795 | 420 | 6000 | 1680 | 24000 | 65 | 2,56 | 0,69 | 0,46 |
| FlexIT 6000-08 | 12 | 1/2" | 08 | 20,6 | 0,811 | 22,9 | 0,901 | 420 | 6000 | 1680 | 24000 | 90 | 3,54 | 0,79 | 0,53 |
| FlexIT 6000-10 | 16 | 5/8" | 10 | 24,2 | 0,953 | 26,5 | 1,043 | 420 | 6000 | 1680 | 24000 | 100 | 3,94 | 1,05 | 0,70 |
| FlexIT 6000-12 ^o | 19 | 3/4" | 12 | 28,2 | 1,110 | 30,7 | 1,209 | 420 | 6000 | 1680 | 24000 | 120 | 4,72 | 1,46 | 0,98 |
| FlexIT 6000-16 ^o | 25 | 1" | 16 | 35,4 | 1,394 | 37,5 | 1,476 | 420 | 6000 | 1680 | 24000 | 150 | 5,90 | 1,94 | 1,30 |
| FlexIT 6000-20* | 31 | 1.1/4" | 20 | 46,8 | 1,843 | 50,1 | 1,972 | 420 | 6000 | 1680 | 24000 | 420 | 16,54 | 2,96 | 1,99 |
| FlexIT 6000-24* | 38 | 1.1/2" | 24 | 53,4 | 2,102 | 57,3 | 2,256 | 420 | 6000 | 1680 | 24000 | 510 | 20,08 | 5,10 | 3,43 |
| FlexIT 6000-32* | 51 | 2" | 32 | 67,7 | 2,665 | 71,5 | 2,815 | 420 | 6000 | 1680 | 24000 | 600 | 23,62 | 6,90 | 4,64 |

FlexIT 6000P: version with UHMPE antiabrasion cover

* II series

^o III series

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

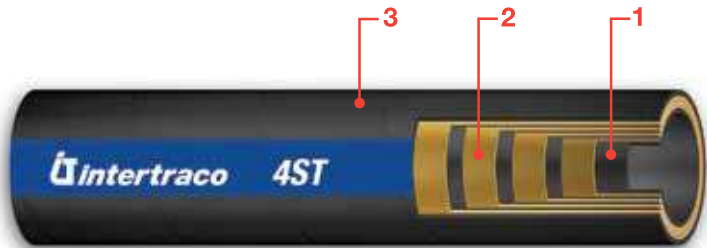
| FlexIT 6000 | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|----------------------|---|-----|-----|-----|---|-----|---|-----|-----------------------------|
| 1 Piece | No-skive: J series | | | | | | No-skive: H series | | No-skive: HLZ series |
| | Ext-skive: X series | | | | | | | | |
| 2 Piece | No-skive: B insert + S312T ferrule | | | | | | | | |
| | Ext-skive: B insert + S0420 ferrule | | | | | | | | |
| Interlock | | | | | Interlock: I insert + S004I ferrule | | Interlock: I insert + S006I ferrule | | |

4ST

intertraco

EXCEEDS: EN 856 4SP - SAE 100 R12, SIZES -10 -12 -16
EXCEEDS: EN 856 4SH, SIZES -20 -24 -32

FOUR WIRE SPIRAL THIN COVER HOSE



Construction

- 1 - Synthetic rubber tube
- 2 - Four high tensile steel wire spirals
- 3 - Synthetic rubber cover Abrasion resistant Type, MSHA flame retardant approved

Application

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

Temperature range

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

| 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] |
| IT 4ST-10 | 16 | 5/8" | 10 | 24,4 | 0,961 | 26,4 | 1,039 | 350 | 5000 | 1400 | 20000 | 100 | 3,94 | 1,00 | 0,67 |
| IT 4ST-12 | 19 | 3/4" | 12 | 27,0 | 1,063 | 29,0 | 1,142 | 350 | 5000 | 1400 | 20000 | 120 | 4,72 | 1,09 | 0,73 |
| IT 4ST-16 | 25 | 1" | 16 | 34,6 | 1,362 | 36,6 | 1,441 | 350 | 5000 | 1400 | 20000 | 150 | 5,90 | 1,95 | 1,31 |
| IT 4ST-20 | 31 | 1.1/4" | 20 | 41,9 | 1,650 | 45,0 | 1,772 | 350 | 5000 | 1400 | 20000 | 210 | 8,27 | 2,49 | 1,67 |
| IT 4ST-24 | 38 | 1.1/2" | 24 | 48,8 | 1,921 | 52,0 | 2,047 | 300 | 4350 | 1200 | 17400 | 250 | 9,84 | 3,03 | 2,04 |
| IT 4ST-32 | 51 | 2" | 32 | 63,2 | 2,488 | 66,5 | 2,618 | 250 | 3600 | 1000 | 14400 | 315 | 12,40 | 4,43 | 2,98 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| INTERTRACO 4ST | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|----------------------|-----|-----|-----|---|-----|--|-----|-----|-----|
| 1 Piece | | | | No-skive: J -series | | | | | |
| | | | | Ext-skive: X -series | | | | | |
| 2 Piece | | | | No-skive: B insert + S312T ferrule | | | | | |
| | | | | Ext-skive: B insert + S0420 ferrule | | | | | |
| Interlock | | | | | | Interlock: I insert + S004I ferrule | | | |

EXCEEDS SAE 100 R15

FOUR WIRE SPIRAL THIN COVER HOSE



Construction

- 1 - Synthetic rubber tube
- 2 - Four high tensile steel wire spirals
- 3 - Synthetic rubber cover Abrasion resistant Type, MSHA flame retardant approved

Application

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

Temperature range

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

| 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] |
| IT 4ST+ 06 | 10 | 3/8" | 06 | 17,2 | 0,677 | 19,9 | 0,783 | 450 | 6500 | 1800 | 26000 | 80 | 3,15 | 0,63 | 0,42 |
| IT 4ST+ 08 | 12 | 1/2" | 08 | 20,0 | 0,787 | 22,2 | 0,874 | 420 | 6000 | 1680 | 24000 | 90 | 3,54 | 0,74 | 0,50 |
| IT 4ST+ 10 | 16 | 5/8" | 10 | 24,4 | 0,961 | 26,4 | 1,039 | 420 | 6000 | 1680 | 24000 | 120 | 4,72 | 1,00 | 0,67 |
| IT 4ST+ 12 | 19 | 3/4" | 12 | 28,2 | 1,110 | 30,1 | 1,185 | 420 | 6000 | 1680 | 24000 | 150 | 5,90 | 1,47 | 0,99 |
| IT 4ST+ 16 | 25 | 1" | 16 | 34,6 | 1,362 | 36,6 | 1,441 | 420 | 6000 | 1680 | 24000 | 200 | 7,87 | 1,95 | 1,31 |
| IT 4ST+ 20 | 31 | 1.1/4" | 20 | 41,9 | 1,650 | 45,0 | 1,772 | 420 | 6000 | 1680 | 24000 | 250 | 9,84 | 2,49 | 1,67 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| INTERTRACO 4ST+ | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|----------------------|-----|---|-----|-----|---|-----|-----|-----|-----|
| 1 Piece | | No-skive: J -series | | | | | | | |
| | | | | | Ext-skive: X -series | | | | |
| 2 Piece | | No-skive: B insert + S312T ferrule | | | | | | | |
| | | Ext-skive: B insert + S0420 ferrule | | | | | | | |
| Interlock | | | | | Interlock: I insert + S004I ferrule | | | | |

EXCEEDS SAE 100 R15

SIX WIRE SPIRAL THIN COVER HOSE



Construction

- 1 - Synthetic rubber tube
- 2 - Six high tensile steel wire spirals
- 3 - Synthetic rubber cover Abrasion resistant Type, MSHA flame retardant approved

Application



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

Temperature range

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

| 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] |
| IT 6ST-20 | 31 | 1.1/4" | 20 | 44,4 | 1,748 | 47,4 | 1,866 | 450 | 6500 | 1800 | 26000 | 260 | 10,24 | 3,68 | 2,47 |
| IT 6ST-24 | 38 | 1.1/2" | 24 | 52,5 | 2,067 | 55,5 | 2,185 | 420 | 6000 | 1680 | 24000 | 315 | 12,40 | 4,40 | 2,96 |
| IT 6ST-32 | 51 | 2" | 32 | 66,9 | 2,634 | 71,5 | 2,815 | 420 | 6000 | 1680 | 24000 | 395 | 15,55 | 7,44 | 5,00 |

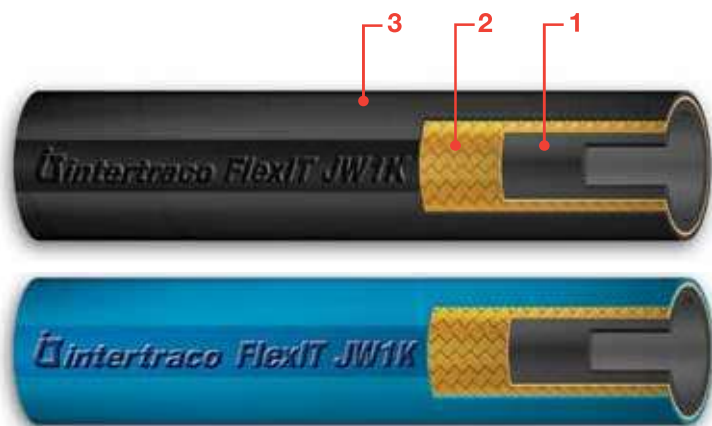
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| INTERTRACO 6ST | -04 | -06 | -08 | -10 | -12 | -16 | -20 | -24 | -32 |
|---|-----|-----|-----|-----|-----|-----|--|-----|-----------------------------|
| 1 Piece  | | | | | | | No-skive: H series | | No-skive: HLZ series |
| | | | | | | | Ext-skive: X series | | |
| Interlock  | | | | | | | Interlock: I insert + S006I ferrule | | |

FlexIT JW1K

ONE WIRE BRAID HOSE

JET WASH HOSE



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover (black or blue)*;

Application

Medium pressure cleaning application with hot water;

Temperature range

-40°C to +150°C (-40°F to +300°F).

| 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] |
| JW1KN-04 | 6 | 1/4" | 04 | 9,9 | 0,390 | 11,8 | 0,464 | 250 | 3600 | 1000 | 14500 | 75 | 2,95 | 0,18 | 0,12 |
| JW1KB-04 | | | | | | | | | | | | | | | |
| JW1KN-05 | 8 | 5/16" | 05 | 11,7 | 0,461 | 13,7 | 0,539 | 250 | 3600 | 1000 | 14500 | 85 | 3,35 | 0,22 | 0,15 |
| JW1KB-05 | | | | | | | | | | | | | | | |
| JW1KN-06 | 10 | 3/8" | 06 | 13,6 | 0,535 | 16,5 | 0,650 | 250 | 3600 | 950 | 13800 | 90 | 3,54 | 0,26 | 0,17 |
| JW1KB-06 | | | | | | | | | | | | | | | |
| JW1KN-08 | 12 | 1/2" | 08 | 17,0 | 0,669 | 19,6 | 0,771 | 250 | 3600 | 840 | 12200 | 130 | 5,12 | 0,35 | 0,23 |
| JW1KB-08 | | | | | | | | | | | | | | | |

N= BLACK color cover

B= BLUE color cover

*Standard cover is wrapped, smooth cover on request;

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT JW1K | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 |
|--------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | |
| 2 Piece | No-skive: B insert + SCX0T ferrule | | | | | | | | |

FlexIT JW2K

TWO WIRE BRAID HOSE

JET WASH HOSE



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braid;
- 3 - Synthetic rubber cover (black or blue)*;

Application

Medium pressure cleaning application with hot water;

Temperature range

-40°C to +150°C (-40°F to +300°F).

| 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] |
| JW2KN-04 | 6 | 1/4" | 04 | 11,3 | 0,445 | 13,2 | 0,520 | 400 | 5800 | 1600 | 23200 | 75 | 2,95 | 0,25 | 0,17 |
| JW2KB-04 | | | | | | | | | | | | | | | |
| JW2KN-05 | 8 | 5/16" | 05 | 12,7 | 0,500 | 14,9 | 0,587 | 400 | 5800 | 1400 | 20300 | 85 | 3,35 | 0,30 | 0,20 |
| JW2KB-05 | | | | | | | | | | | | | | | |
| JW2KN-06 | 10 | 3/8" | 06 | 14,7 | 0,579 | 17,1 | 0,673 | 400 | 5800 | 1320 | 19100 | 90 | 3,54 | 0,37 | 0,25 |
| JW2KB-06 | | | | | | | | | | | | | | | |
| JW2KN-08 | 12 | 1/2" | 08 | 18,0 | 0,709 | 20,2 | 0,795 | 400 | 5800 | 1100 | 16000 | 130 | 5,12 | 0,46 | 0,31 |
| JW2KB-08 | | | | | | | | | | | | | | | |

N= BLACK color cover

B= BLUE color cover

*Standard cover is wrapped, smooth cover on request;

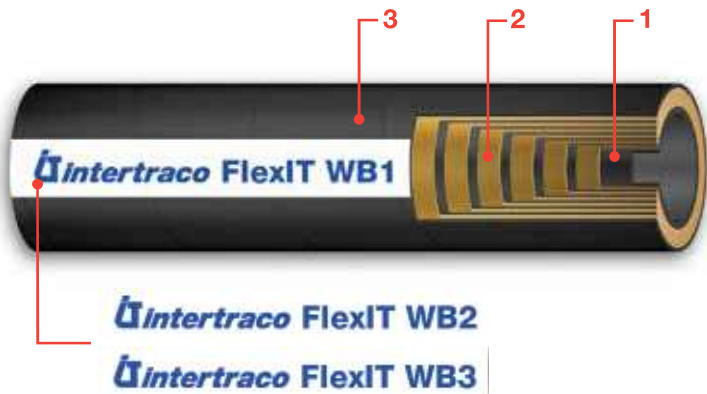
COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT JW2K | -04 | -05 | -06 | -08 | -10 | -12 | -16 | -20 | -24 |
|--------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 Piece | No-skive: K series | | | | | | | | |
| 2 Piece | No-skive: B insert + SN03T ferrule | | | | | | | | |

FlexIT WB

FOUR OR SIX WIRE SPIRAL HOSE

WATERBLAST HOSE



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals for all sizes except for six high tensile steel wire spiral for WB3-08 and WB3-12 hoses;
- 3 - Synthetic rubber cover;

Application

Very high constant pressure hose for water and water emulsions scaling systems.

Temperature range

-40°C to +80°C (-40°F to +176°F).

| 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] |
| WB1-04 | 6 | 1/4" | 04 | 14,7 | 0,579 | 17,9 | 0,705 | 800 | 11500 | 2000 | 28750 | 125 | 4,92 | 0,61 | 0,41 |
| WB1-06 | 10 | 3/8" | 06 | 17,5 | 0,689 | 21,2 | 0,835 | 800 | 11500 | 2000 | 28750 | 155 | 6,10 | 0,78 | 0,52 |
| WB1-08 | 12 | 1/2" | 08 | 20,2 | 0,795 | 24,4 | 0,961 | 800 | 11500 | 2000 | 28750 | 200 | 7,87 | 0,91 | 0,61 |
| WB1-12 | 19 | 3/4" | 12 | 28,2 | 1,110 | 32,0 | 1,260 | 700 | 10000 | 1750 | 25000 | 250 | 9,84 | 1,54 | 1,03 |
| WB1-16 | 25 | 1" | 16 | 35,1 | 1,382 | 38,4 | 1,512 | 700 | 10000 | 1750 | 25000 | 300 | 11,81 | 2,13 | 1,43 |
| WB2-06 | 10 | 3/8" | 06 | 18,1 | 0,713 | 20,8 | 0,819 | 1250 | 18000 | 3125 | 45000 | 230 | 9,06 | 0,90 | 0,60 |
| WB2-08 | 12 | 1/2" | 08 | 22,2 | 0,874 | 24,6 | 0,969 | 1100 | 16000 | 2750 | 40000 | 230 | 9,06 | 1,24 | 0,83 |
| WB2-12 | 19 | 3/4" | 12 | 29,0 | 1,142 | 32,0 | 1,260 | 1000 | 14500 | 2500 | 36250 | 250 | 9,84 | 1,87 | 1,26 |
| WB3-06 | 10 | 3/8" | 06 | 19,2 | 0,756 | 22,2 | 0,874 | 1400 | 20000 | 3500 | 50000 | 150 | 5,91 | 0,71 | 0,48 |
| WB3-08 | 12 | 1/2" | 08 | 25,9 | 1,020 | 29,0 | 1,142 | 1450 | 21000 | 3625 | 52500 | 250 | 9,84 | 1,87 | 1,25 |
| WB3-12 | 19 | 3/4" | 12 | 32,4 | 1,276 | 34,0 | 1,339 | 1350 | 19500 | 3375 | 48750 | 300 | 11,81 | 2,14 | 1,44 |

COMPATIBILITY CHART BETWEEN THIS HOSE AND INTERTRACO APPROVED FITTINGS

| FlexIT WB | | -04 | -06 | -08 | -12 | -16 |
|-----------------------|------------|--|--|-----|-----|-----|
| Waterblast | WB1 | Waterblast: W insert + SW4 ferrule | | | | |
| | WB2 | | Waterblast: W insert + SW4 ferrule | | | |
| | WB3 | | Waterblast: W insert + SW6 ferrule | | | |

Precautions

1. Protection against damage and other troubles

Avoid using the hose assembly beyond the scope of its specifications. It may cause serious problems such as an early burst or leakage. For safe application, note the following instructions:

- **Do not touch the hose and the coupling under pressure.**

Should a hose or a coupling break, it may cause severe injuries, such as burn or destruction of your organs. Apply plastic cover for protection, unless the contact with them can be avoidable.

- **Use a hose under the maximum working pressure.**

The use over the maximum working pressure may lead to burst of a hose or a coupling come-off. Follow the maximum working pressure guided in its specification.

- **Do not hurt the hose.**

To protect hose assemblies from excessive wear caused by sharp objects or abrasive materials, use open wound or flat armor spring guards.

- **Avoid using a hose with a twist or a pull.**

Should the twisted or pulled hose be applied with a pressure, the hose, particularly the hose end, may possibly suffer a break. If it is unavoidable, be sure to use a swivel joint.

- **Avoid using a hose with a sharp bend.**

The use of a hose with a sharp bend may cause an early break or other unexpected troubles. Utilize proper adapters or spring guards to avoid excessive bending.

- **Do not be electrified.**

Electrifying a hose may lead to a break of the hose or an electric shock.

- **Tighten the recommended torque.**

When a hose is connected to machine, be sure to apply the recommended torque.

- **Apply the appropriate fluid.**

The use of the inappropriate fluid will deteriorate the inner tube or the reinforcement, which will lead to burst of a hose or a coupling come-off.

- **Keep the minimum bending radius.**

When the hose is bent smaller than the minimum bending radius, it may cause early burst.

- **Do not put the external force such as excessive impulse.**

Under the excessive external force, the service will decline.

- **Keep the temperature range.**

The use of a hose over the temperature range will lead to burst or problems around the coupling, such as leakage, or come-off.

- **Do not put the excessive negative pressure.**

Under the excessive negative pressure, the inner tube will scrape, which will lead to leakage.

- **Do not put into the water or any other liquid.**

In water, the hose undergoes external pressure, which will reduce the service life of a hose.

- **Remove the air inside.**

The air left inside may cause the scrape of inner tube, which will lead to leakage.

- **Keep the minimum exposed hose length.**

To acquire the service life of the hose, keep at least the minimum exposed hose length.

- **Do not fix or remodel a hose.**

The fixed or remodeled hose does not show the service life of the specification.

2. Fluid compatibility

- For use with water based fluid maximum temperature is +70°C (+158°F);

- For the use with any other fluid (biodegradable hydraulic fluids, oil-based hydraulic fluids with special additives and medium different from oil-based fluids) please ask us the compatibility.

→ → →

Precautions

3. Maintenance inspection

At the inception, be sure that none of the following can be found.

- *Damage of a hose*
- *Swelling of a hose*
- *Exposure of a Reinforcement*
- *Transformation (ex. sharp bending)*

4. Storage

- *Avoid direct rays of the sun, noxious gasses, oils and chemicals.*
- *Store in dry place at temperature range of -10°C to +40°C*

Selecting hose size by flow capacity

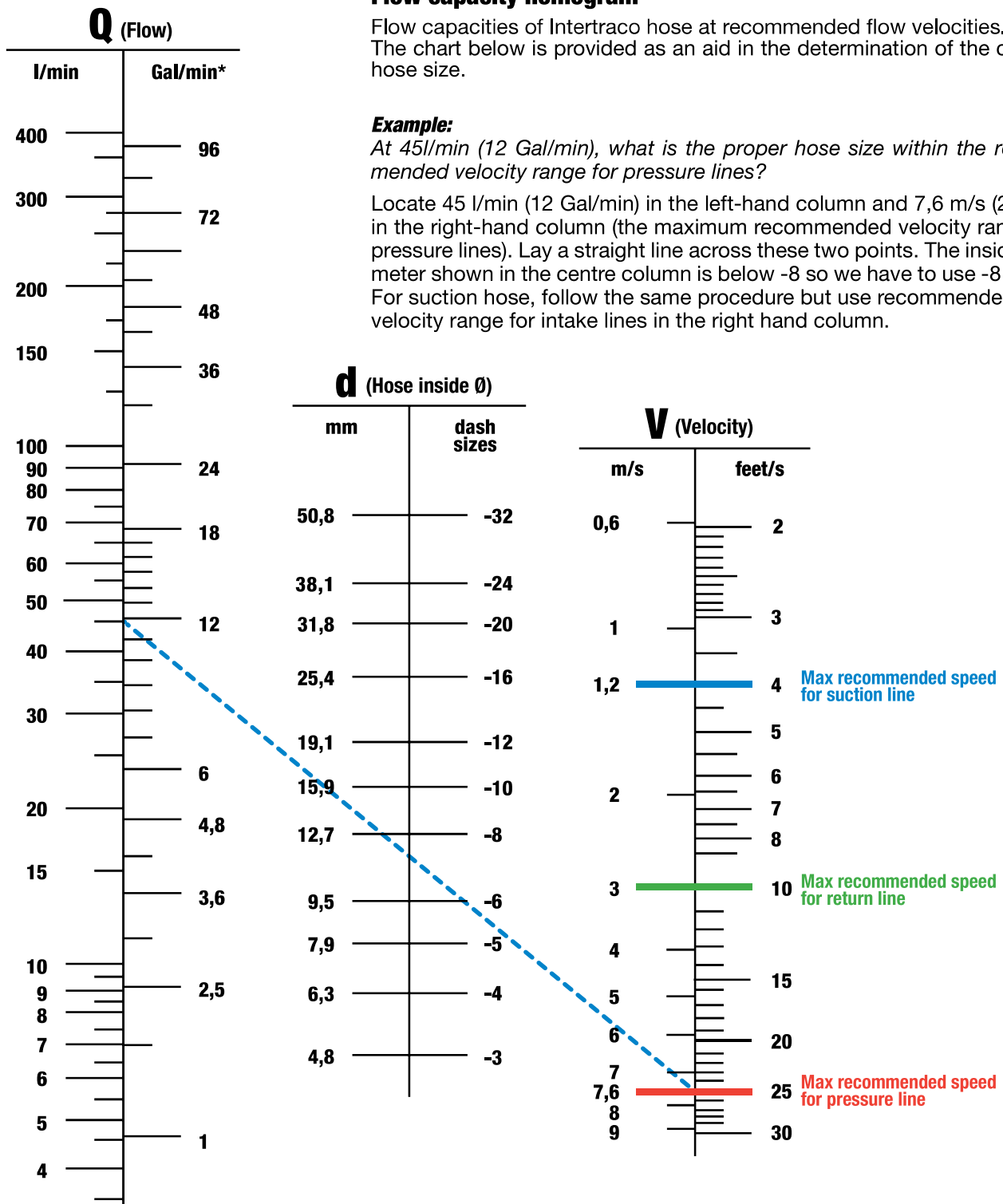
Flow capacity nomogram

Flow capacities of Intertraco hose at recommended flow velocities. The chart below is provided as an aid in the determination of the correct hose size.

Example:

At 45l/min (12 Gal/min), what is the proper hose size within the recommended velocity range for pressure lines?

Locate 45 l/min (12 Gal/min) in the left-hand column and 7,6 m/s (25 ft/s) in the right-hand column (the maximum recommended velocity range for pressure lines). Lay a straight line across these two points. The inside diameter shown in the centre column is below -8 so we have to use -8 (1/2"). For suction hose, follow the same procedure but use recommended velocity range for intake lines in the right hand column.



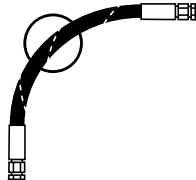
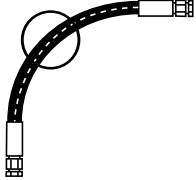
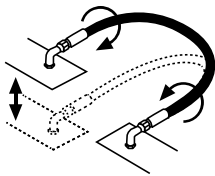
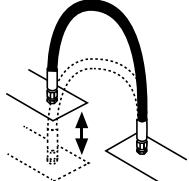
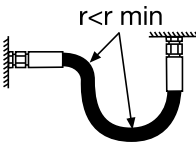
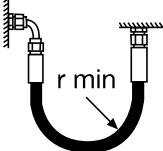
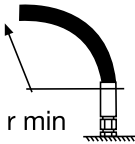
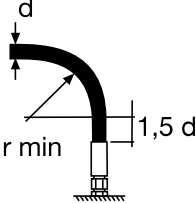
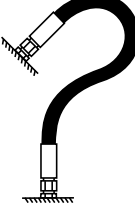

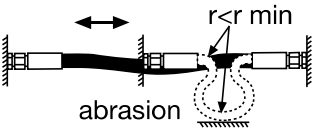
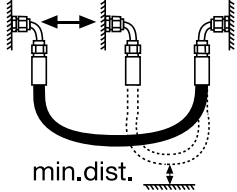
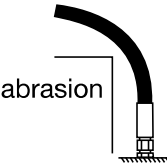
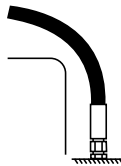
* Gallons are US gallons - Conversion rate: Gal/min x 3,785=l/min - feet/s x 0,3048=m/s

Recommended velocities are according to hydraulic fluids of maximum viscosity 315 S.S.U. at 38°C (100°F) working at room temperatures within 18°C (65°F) and 68°C (155°F).

Correct hose assembly installation

NO - Wrong use

YES - Correct use

| | | |
|---|---|---|
|  | <p>Avoid twisting the assembly. Where moving parts can cause twisting take care to avoid this by correct installation.</p> |  |
|  | |  |
|  | <p>Use proper fittings to avoid tight bend radius. Do not begin to bend closer than 1,5 time "d" to the ferrule.</p> |  |
|  | |  |
|  | |  |
|  | <p>Avoid contact with objects that can cause abrasion or damage. On moving applications, pay particular attention when specifying hose length to avoid tensile stress or abrasion.</p> |  |
|  | |  |

For detailed informations about the recommendeds practices for Hydraulic Hose Assemblies, please refer to SAEJ1273 standard.

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