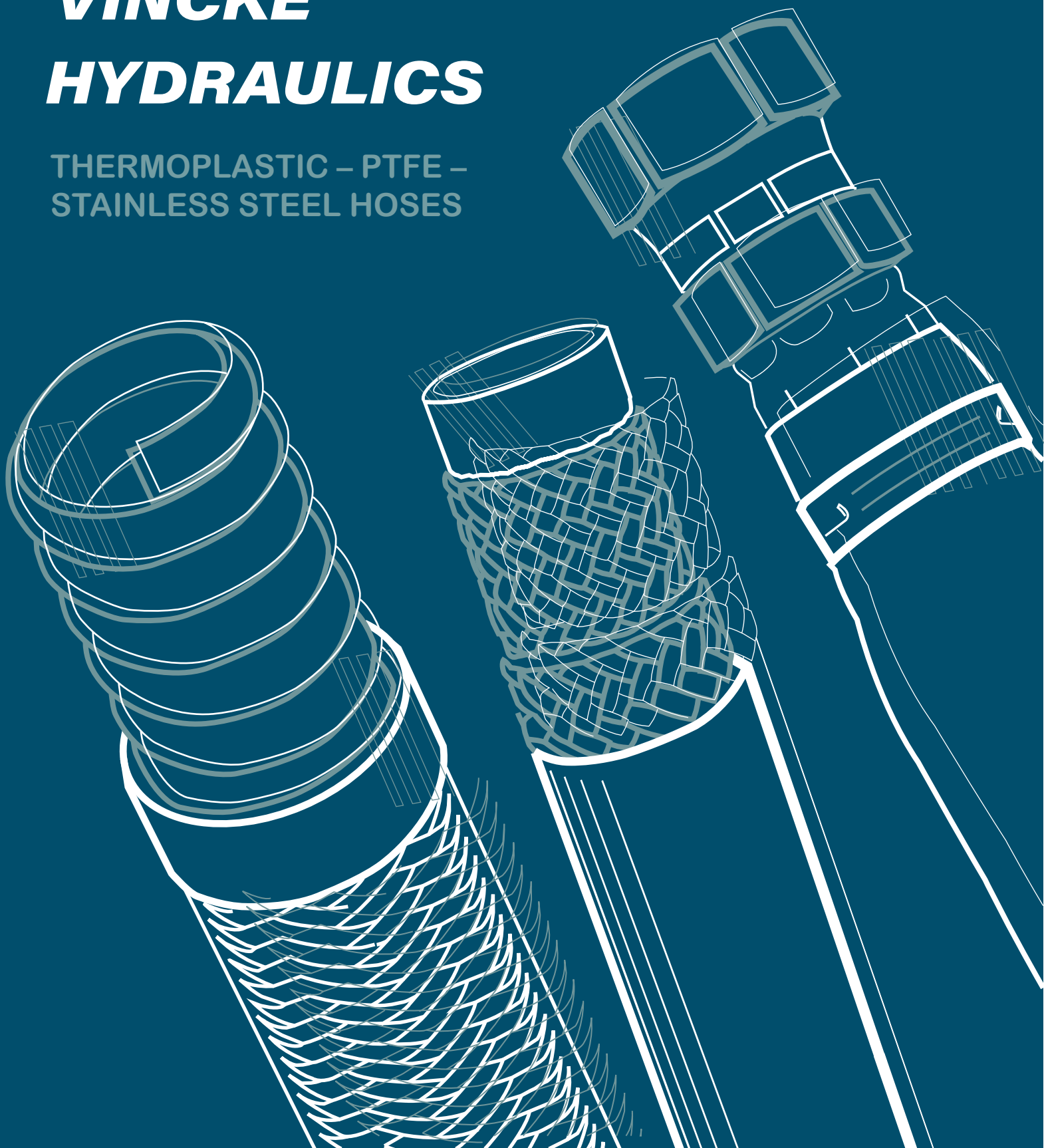
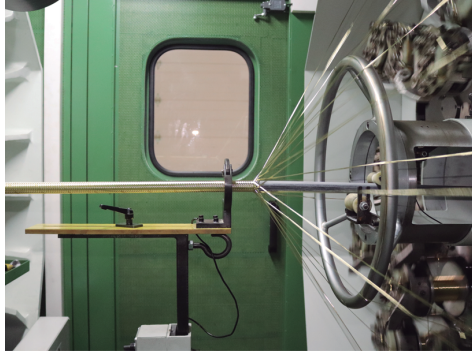
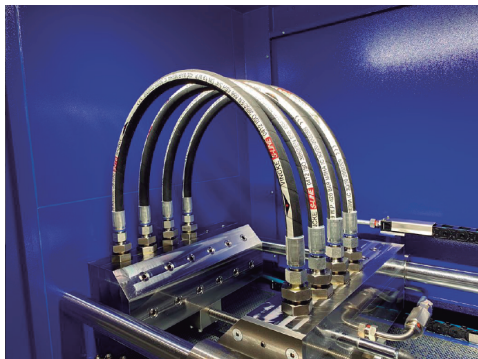


VINCKE

HYDRAULICS

THERMOPLASTIC – PTFE –
STAINLESS STEEL HOSES





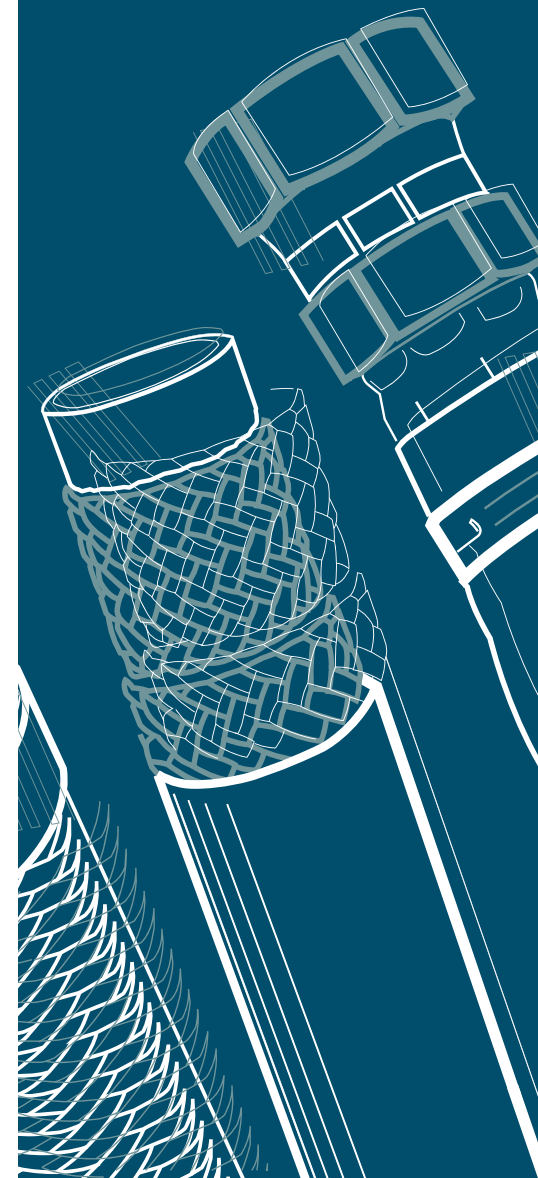
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| 4. Protection | 16 |

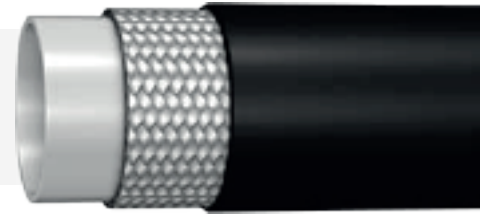


THERMOPLASTIC - PTFE - STAINLESS STEEL HOSES

VINCKE



Medium pressure / Thermoplastic hose Hydraulic



VINCKE TH-07

| SAE 100R7 DIN EN ISO 3949 | | | | | | | | | | |
|------------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 0702 | 02 | 1/8" | 3,2 | 8,2 | 210 | 3045 | 840 | 12180 | 25 | 57 |
| 0703 | 03 | 3/16" | 4,8 | 10 | 210 | 3045 | 840 | 12180 | 25 | 80 |
| 0704 | 04 | 1/4" | 6,6 | 11,8 | 200 | 2900 | 800 | 11600 | 32 | 114 |
| 0705 | 05 | 5/16" | 5/16" | 14,3 | 190 | 2755 | 760 | 11020 | 45 | 142 |
| 0706 | 06 | 3/8" | 9,65 | 16 | 175 | 2538 | 700 | 10150 | 55 | 164 |
| 0708 | 08 | 1/2" | 12,7 | 20,3 | 140 | 2030 | 560 | 8120 | 77 | 229 |
| 0710 | 10 | 5/8" | 16 | 23,5 | 105 | 1523 | 420 | 6090 | 110 | 295 |
| 0712 | 12 | 3/4" | 19 | 26,5 | 90 | 1305 | 360 | 5220 | 140 | 356 |
| 0716 | 16 | 1" | 25,5 | 33,3 | 70 | 1015 | 280 | 4060 | 200 | 504 |

Construction:

Internal core thermoplastic polyester

Reinforcement One or two braids of polyester fiber.

Cover Polyurethane

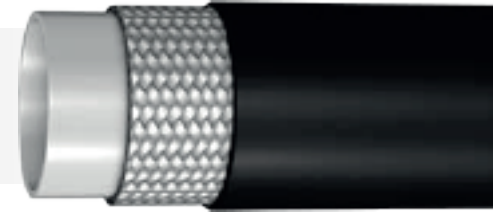
Note: Available twin with different hose combination/size, also micro perforated and special colours available on request.

Temperature Range Continuous: -40°C to +100°C

Temperature not to exceed +70°C for air and water based fluids.



Medium pressure / Thermoplastic hose Hydraulic - Paint Spray



VINCKE TH-07V

| SAE 100R7 DIN EN ISO 3949 | | | | | | | | | | |
|------------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 07V02 | 02 | 1/8" | 3,2 | 8,2 | 210 | 3045 | 840 | 12180 | 25 | 57 |
| 07V03 | 03 | 3/16" | 4,8 | 10 | 210 | 3045 | 840 | 12180 | 25 | 80 |
| 07V04 | 04 | 1/4" | 6,6 | 11,8 | 200 | 2900 | 800 | 11600 | 32 | 114 |
| 07V05 | 05 | 5/16" | 8,18 | 14,3 | 190 | 2755 | 760 | 11020 | 45 | 142 |
| 07V06 | 06 | 3/8" | 9,65 | 16 | 175 | 2538 | 700 | 10150 | 55 | 164 |
| 07V08 | 08 | 1/2" | 12,7 | 20,3 | 140 | 2030 | 560 | 8120 | 77 | 229 |
| 07V10 | 10 | 5/8" | 16 | 23,5 | 105 | 1523 | 420 | 6090 | 110 | 295 |
| 07V12 | 12 | 3/4" | 19 | 26,5 | 90 | 1305 | 360 | 5220 | 140 | 356 |
| 07V16 | 16 | 1" | 25,5 | 33,3 | 70 | 1015 | 280 | 4060 | 200 | 504 |

Construction:

Internal core Polyamide single

Reinforcement One or two braids of polyester fiber.

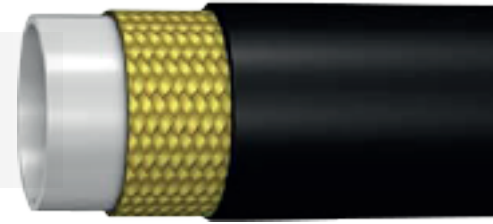
Temperature not to exceed +70°C for air and water based fluids.

Note: Available micro perforated and special colours available on request.

Cover Polyurethane

Temperature Range Continuous: -40°C to +100°C





Medium pressure / Thermoplastic hose Hydraulic Low Temperature

VINCKE TH-18

| SAE 100R18 | | | | | | | | | | |
|------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 1803 | 03 | 3/16" | 4,8 | 10,5 | 250 | 3625 | 1000 | 14500 | 30 | 80 |
| 1804 | 04 | 1/4" | 6,6 | 12,7 | 250 | 3625 | 1000 | 14500 | 45 | 120 |
| 1805 | 05 | 5/16" | 8,18 | 15 | 250 | 3625 | 1000 | 14500 | 50 | 153 |
| 1806 | 06 | 3/8" | 9,65 | 18 | 250 | 3625 | 1000 | 14500 | 75 | 188 |
| 1808 | 08 | 1/2" | 12,7 | 22,5 | 210 | 3045 | 840 | 12180 | 90 | 298 |

Construction:

Internal core thermoplastic polyester
Reinforcement two braids of polyester fiber.

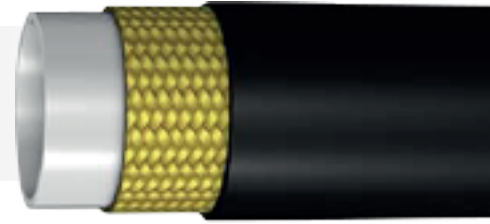
Cover Polyurethane

Note: Available twin with different hose combination/size, also micro perforated and special colours available on request.

Temperature Range: Continuous: -55°C to +100°C
Temperature not to exceed +70°C for air and water based fluids.



Medium pressure / Thermoplastic hose Hydraulic - Paint Spray



VINCKE TH-08Z

| SAE 100R8 DIN EN ISO 3949 | | | | | | | | | | |
|------------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 0802Z | 02 | 1/8" | 3,2 | 8,2 | 420 | 6090 | 1680 | 24360 | 25 | 57 |
| 0803Z | 03 | 3/16" | 4,8 | 10 | 350 | 5075 | 1400 | 20300 | 25 | 80 |
| 0804Z | 04 | 1/4" | 6,6 | 11,8 | 350 | 5075 | 1400 | 20300 | 32 | 114 |
| 0805Z | 05 | 5/16" | 8,18 | 14,3 | 300 | 4350 | 1200 | 17400 | 45 | 142 |
| 0806Z | 06 | 3/8" | 9,65 | 16 | 280 | 4060 | 1120 | 16240 | 55 | 164 |
| 0808Z | 08 | 1/2" | 12,7 | 20,3 | 245 | 3552,5 | 980 | 14210 | 77 | 229 |
| 0810Z | 10 | 5/8" | 16 | 23,5 | 200 | 2900 | 800 | 11600 | 110 | 295 |
| 0812Z | 12 | 3/4" | 19 | 26,5 | 165 | 2392,5 | 660 | 9570 | 140 | 356 |
| 0816Z | 16 | 1" | 25,5 | 33,3 | 140 | 2030 | 560 | 8120 | 200 | 504 |

Construction:

Internal core Polyamide (single) - thermoplastic polyester (twin).

Reinforcement One or two braids of aramid fiber.

Cover Polyurethane

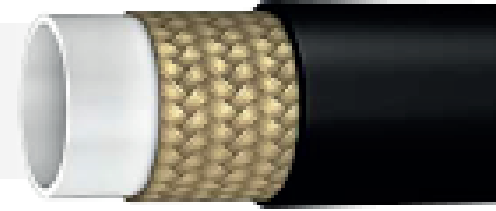
Note: Available twin with different hose combination/size, also micro perforated and special colours available on request

Temperature Range: Continuous: -40°C to +100°C

Temperature not to exceed +70°C for air and water based fluids.



Medium pressure / Thermoplastic hose Hydraulic - Paint Spray



VINCKE TH-77

| PAINT-OIL 1W | | | | | | | | | | |
|--------------|----------------|---------------|----------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal ϕ | Inside ϕ | Outside ϕ | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 7703 | 03 | 3/16" | 4,8 | 9,7 | 350 | 5075 | 1400 | 20300 | 30 | 133 |
| 7704 | 04 | 1/4" | 6,6 | 11,8 | 300 | 4350 | 1200 | 17400 | 40 | 170 |
| 7705 | 05 | 5/16" | 8,18 | 14 | 240 | 3480 | 960 | 13920 | 50 | 221 |
| 7706 | 06 | 3/8" | 9,65 | 16 | 225 | 3263 | 900 | 13050 | 60 | 260 |
| 7708 | 08 | 1/2" | 12,7 | 19,2 | 190 | 2755 | 760 | 11020 | 75 | 326 |
| 7710 | 10 | 5/8" | 16 | 23,3 | 150 | 2175 | 600 | 8700 | 110 | 412 |
| 7712 | 12 | 3/4" | 19 | 26,5 | 130 | 1885 | 520 | 7540 | 150 | 454 |
| 7716 | 16 | 1" | 25,5 | 32,5 | 105 | 1523 | 420 | 6090 | 185 | 590 |

Construction:

Internal core Polyamide (single) - thermoplastic polyester (twin)

Reinforcement One high tensile steel braid.

Cover Polyurethane

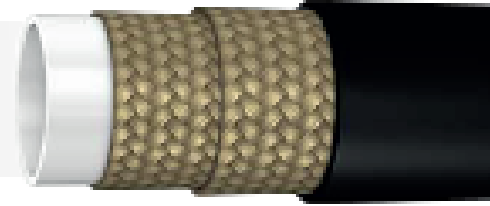
Note: Available twin with different hose combination/size, also micro perforated and special colours available on request.

Temperature Range: Continuous: -40°C to +100°C

Temperature not to exceed +70°C for air and water based fluids.



Medium pressure / Thermoplastic hose Hydraulic - Paint Spray



VINCKE TH-88

| PAINT-OIL 2W PAINT-OIL 2W | | | | | | | | | | |
|---------------------------|---------------------|--------------------|---------------------|-----------------------|----------------|---------------------|--------|-------|-----|------|
| Code | Nominal \emptyset | Inside \emptyset | Outside \emptyset | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 8804 | 04 | 1/4" | 6,6 | 13,5 | 450 | 6525 | 1800 | 26100 | 100 | 336 |
| 8805 | 05 | 5/16" | 8,18 | 15,1 | 400 | 5800 | 1600 | 23200 | 110 | 388 |
| 8806 | 06 | 3/8" | 9,65 | 17 | 380 | 5510 | 1520 | 22040 | 127 | 483 |
| 8808 | 08 | 1/2" | 12,7 | 22 | 300 | 4350 | 1200 | 17400 | 178 | 605 |
| 8810 | 10 | 5/8" | 16 | 24,5 | 210 | 3045 | 840 | 12180 | 203 | 803 |
| 8812 | 12 | 3/4" | 19 | 27,5 | 160 | 2320 | 640 | 9280 | 250 | 922 |
| 8816 | 16 | 1" | 25,5 | 35 | 150 | 2175 | 600 | 8700 | 305 | 1092 |

Construction:

Internal core Polyamide single

Reinforcement One or two braids of polyester fiber.

Temperature not to exceed +70°C for air and water based fluids.

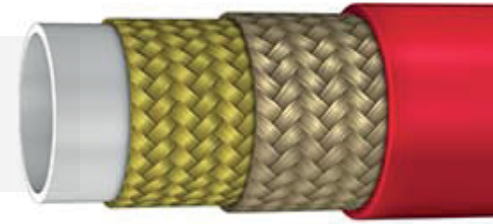
Cover Polyurethane

Temperature Range: Continuous: -40°C to +100°C

Note: Available micro perforated and special colours available on request.



Medium pressure / Thermoplastic hose Hydraulic -NON CONDUCTIVE



VINCKE TH-700

| R8 700B | | | | | | | | | | |
|-----------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 7004 | 04 | 1/4" | 6,6 | 14,8 | 700 | 10150 | 2800 | 40600 | 100 | 356 |
| 7005 | 06 | 3/8" | 9,65 | 18,7 | 700 | 10150 | 2800 | 40600 | 150 | 513 |
| 7006 | 08 | 1/2" | 12,7 | 23,4 | 550 | 7975 | 2200 | 31900 | 200 | 778 |

Construction:

Internal core thermoplastic polyester

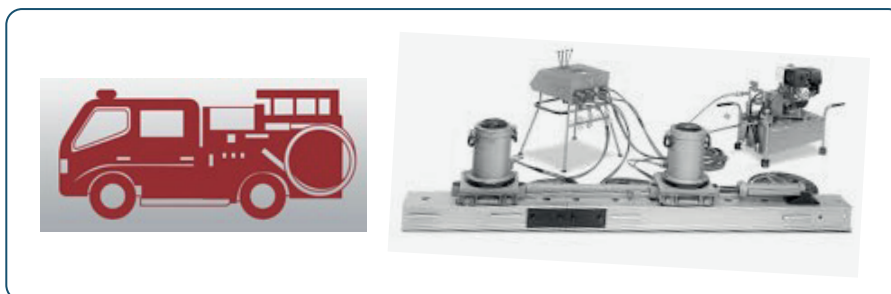
Reinforcement two braids of aramid fiber or One or more braids of aramid fiber with one braid of steel wire.

Cover Polyurethane, orange colour

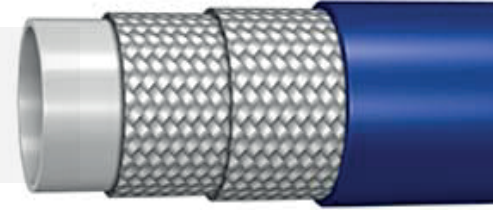
Temperature Range: Continuous: -40°C to +100°C

Temperature not to exceed +70°C for air and water based fluids.

Note: Available twin with different hose combination/size, also micro perforated and special colours available on request.



Medium pressure / Thermoplastic hose Wash



VINCKE WH-07W

| WASH - TH | | | | | | | | | | |
|-----------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 07W04 | 04 | 1/4" | 6,6 | 12,8 | 210 | 3045 | 525 | 7500 | 40 | 117 |
| 07W06 | 06 | 3/8" | 8,18 | 16,3 | 210 | 3045 | 525 | 7500 | 75 | 170 |
| 07W08 | 08 | 1/2" | 12,7 | 22,4 | 210 | 3045 | 525 | 7500 | 100 | 318 |
| 07W10 | 10 | 1/2" | 16 | 26,2 | 210 | 3045 | 525 | 7500 | 110 | 430 |
| 07W12 | 12 | 3/4" | 19 | 29,2 | 210 | 3045 | 525 | 7500 | 125 | 496 |
| 07W16 | 16 | 1" | 25,4 | 37,3 | 210 | 3045 | 525 | 7500 | 160 | 759 |

Construction:

Internal core thermoplastic polyester

Reinforcement One or two braids of polyester fiber.

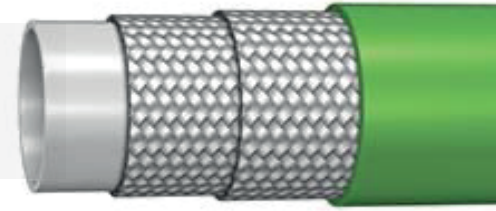
Cover Polyurethane, Blue colour

Temperature Range: Continuous: -40°C to +60°C

Note: Special colours available on request



High Pressure / Thermoplastic hose



VINCKE WH-08W

| WASH-TH | | | | | | | | | | |
|-----------|---------------------|--------------------|---------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \emptyset | Inside \emptyset | Outside \emptyset | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 08W04 | 04 | 1/4" | 6,6 | 13 | 280 | 4000 | 840 | 12000 | 40 | 124 |
| 08W06 | 06 | 3/8" | 8,18 | 17,5 | 280 | 4000 | 840 | 12000 | 75 | 217 |
| 08W08 | 08 | 1/2" | 12,7 | 22,4 | 280 | 4000 | 690 | 10000 | 100 | 316 |
| 08W12 | 12 | 3/4" | 19 | 30 | 250 | 3600 | 625 | 9000 | 125 | 521 |
| 08W16 | 16 | 1" | 25,4 | 38,1 | 250 | 3600 | 625 | 9000 | 160 | 811 |

Construction:

Internal core thermoplastic polyester

Reinforcement Two or more braids of polyester fiber

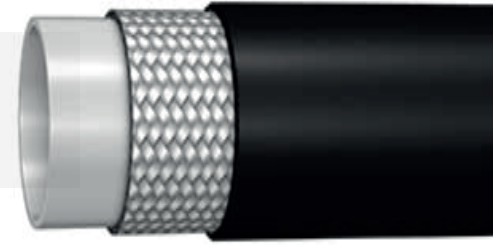
Cover Polyurethane, Green colour

Temperature Range: Continuous: -40°C to +60°C

Note: Special colours available on request



High pressure / Micro hose Hydraulic



VINCKETH-007

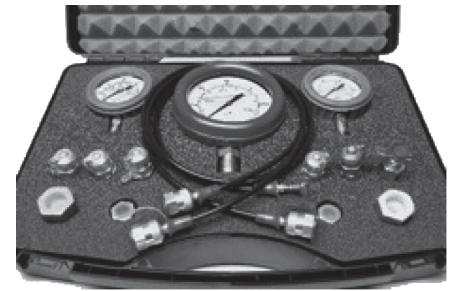
| | | | | | | | | | | |
|------------------------------|-----------------------|----------------------|-----------------------|-----------------------|-----|----------------|---------------------|-------|--------|-----|
| SAE 100R7 DIN EN ISO 3949 | | | | | | | | | | |
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | | Burst Pressure | Minimum Bend Radius | | Weight | |
| | Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m |
| 00702 | 02 | 1/12" | 2,1 | 5 | 630 | 9135 | 1890 | 27405 | 20 | 24 |

Construction:

Internal core thermoplastic polyester

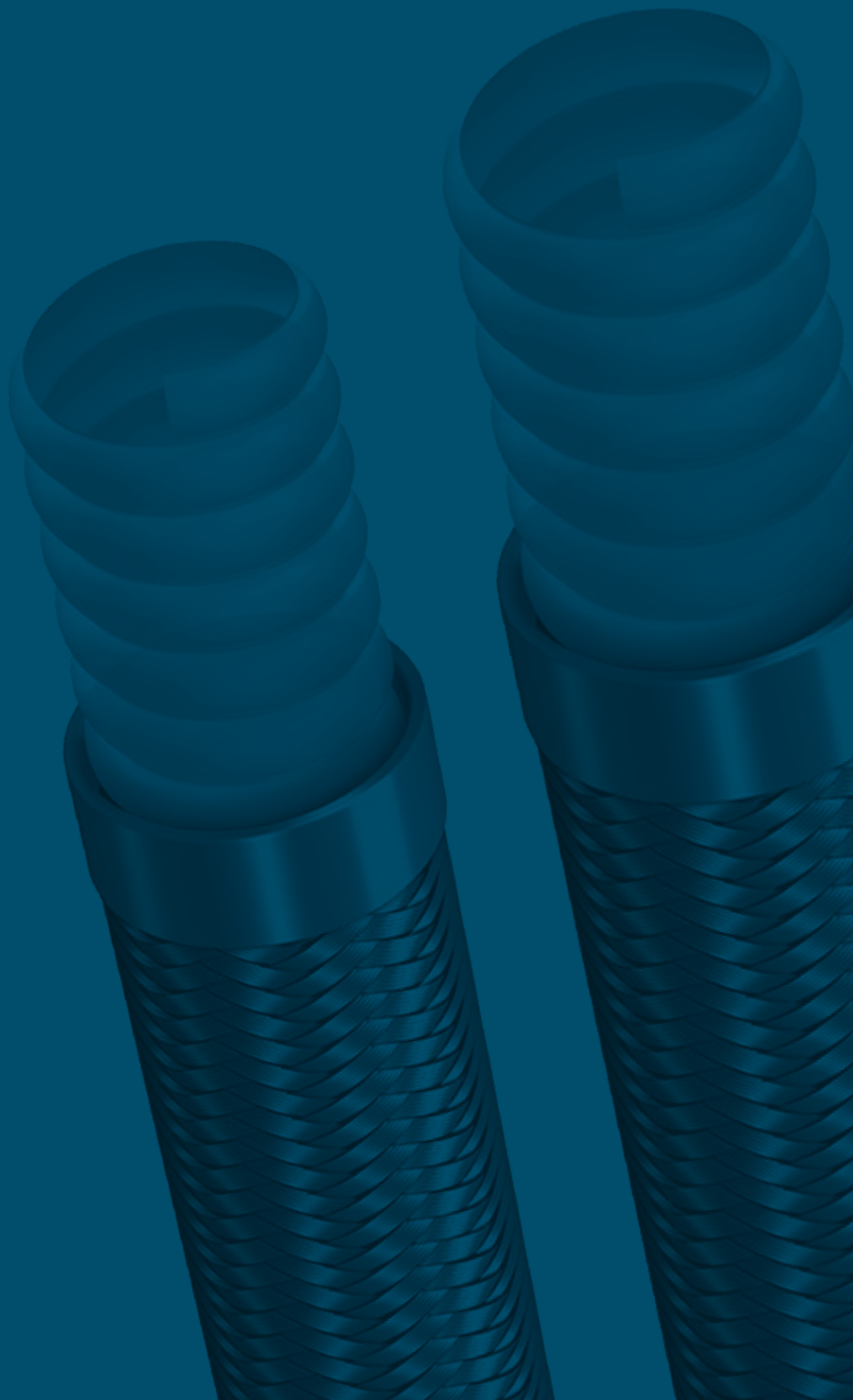
Reinforcement one braid of aramid fiber

Temperature Range: Continuous: -40°C to +100°C



VINCKE

PTFE hoses



VINCKE



Extra Flexible / Medium Pressure PTFE convoluted

VINCKE CPH-90

| PTFE CONVOLUTED | | | | | | | | | |
|-----------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-----|------|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m |
| 9004 04 | 1/4" | 6,6 | 10,4 | 175 | 2538 | 700 | 10150 | 20 | 149 |
| 9005 05 | 5/16" | 8,18 | 12,4 | 160 | 2320 | 640 | 9280 | 20 | 170 |
| 9006 06 | 3/8" | 9,65 | 13,7 | 150 | 2175 | 600 | 8700 | 20 | 182 |
| 9090 08 | 1/2" | 12,83 | 18,4 | 135 | 1957,5 | 540 | 7830 | 25 | 289 |
| 9010 10 | 5/8" | 16 | 21 | 100 | 1450 | 400 | 5800 | 50 | 349 |
| 9012 12 | 3/4" | 19,18 | 25,9 | 80 | 1160 | 320 | 4640 | 65 | 494 |
| 9016 16 | 1" | 25,53 | 33,8 | 55 | 798 | 220 | 3190 | 90 | 677 |
| 9020 20 | 1" 1/4 | 31,88 | 42,7 | 45 | 652,5 | 180 | 2610 | 110 | 891 |
| 9024 24 | 1" 1/2 | 38,2 | 48 | 35 | 508 | 140 | 2030 | 150 | 959 |
| 9032 32 | 2" | 50,9 | 61,5 | 25 | 362,5 | 100 | 1450 | 200 | 1309 |

Construction:

Internal core: Helically convoluted sintered tube of P.T.F.E, raw material: DUPONT.

Reinforcement: Single braid of AISI 304 stainless steel wire, available AISI 316.

Application: PTFE hose has an excellent temperature characteristics, high and low temperature.

This PTFE convoluted are also designed to be used with a range of hydraulic fittings.

Also available conductive hose to dissipate electro-static charges.

Temperature range: Continuous: -54°C to +260°C



Flexible / Medium Pressure PTFE LARGE THICKNESS HOSE



VINCKE PH-08

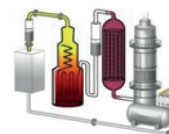
| PTFE SAEJ517 SAE100R14 | | | | | | | | | | |
|---------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|---------------------|--------|-------|-----|-----|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Minimum Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | g/m | |
| 0802 | 03 | 1/8" | 3,35 | 6,4 | 225 | 3263 | 900 | 13050 | 40 | 65 |
| 0803 | 04 | 3/16" | 4,83 | 7,6 | 210 | 3045 | 840 | 12180 | 50 | 84 |
| 0804 | 05 | 1/4" | 6,5 | 9,7 | 210 | 3045 | 840 | 12180 | 75 | 121 |
| 0805 | 06 | 5/16" | 8 | 11,2 | 175 | 2537,5 | 700 | 10150 | 100 | 163 |
| 0806 | 07 | 3/8" | 9,65 | 12,6 | 165 | 2393 | 660 | 9570 | 125 | 170 |
| 0808 | 10 | 1/2" | 12,83 | 16,5 | 120 | 1740 | 480 | 6960 | 165 | 234 |
| 0810 | 12 | 5/8" | 16 | 19,8 | 88 | 1276 | 352 | 5104 | 200 | 318 |
| 0812 | 16 | 3/4" | 19,2 | 22,9 | 75 | 1087,5 | 300 | 4350 | 230 | 395 |
| 0816 | 18 | 1" | 25,5 | 29,5 | 62 | 899 | 248 | 3596 | 300 | 528 |

Construction:

Internal core: tube of P.T.F.E, raw material: DUPONT

Reinforcement: Single braid of AISI 304 stainless steel wire, available AISI 316 - Double braided available for higher performance.

Temperature range: Continuous: -54°C to +260°C

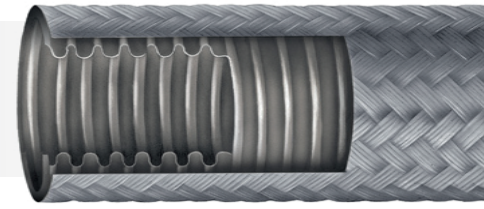


VINCKE

Stainless steel hoses



Flexible / Medium Pressure CORRUGATED METAL HOSE SINGLE BRAID



VINCKE AI-01

| EN ISO 10380 | | | | | | | | | | | |
|--------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|--------------------|--------------------|--------|-----|-----|------|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Static Bend Radius | Static Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | mm | g/m | |
| I0104 | 04 | 1/4" | 6,3 | 9,6 | 120 | 1740 | 480 | 6960 | 25 | 110 | 0,15 |
| I0105 | 05 | 5/16" | 8,5 | 12,1 | 112 | 1624 | 448 | 6496 | 32 | 130 | 0,18 |
| I0106 | 06 | 3/8" | 10 | 14,4 | 97 | 1406,5 | 388 | 5626 | 38 | 150 | 0,22 |
| I0108 | 08 | 1/2" | 12,1 | 16,7 | 75 | 1087,5 | 300 | 4350 | 45 | 165 | 0,24 |
| I0110 | 10 | 5/8" | 16,6 | 21,9 | 60 | 870 | 240 | 3480 | 58 | 195 | 0,38 |
| I0112 | 12 | 3/4" | 20,2 | 26,7 | 62 | 899 | 248 | 3596 | 70 | 225 | 0,5 |
| I0116 | 16 | 1" | 25,3 | 32,3 | 50 | 725 | 200 | 2900 | 85 | 260 | 0,59 |
| I0120 | 20 | 1 1/4" | 33,6 | 41,2 | 46 | 667 | 184 | 2668 | 105 | 300 | 1,04 |
| I0124 | 24 | 1 1/2" | 40 | 49,5 | 42 | 609 | 168 | 2436 | 130 | 340 | 1,23 |
| I0132 | 32 | 2" | 50,4 | 60,7 | 32 | 464 | 128 | 1856 | 160 | 390 | 1,43 |
| I0140 | 40 | 2 1/2" | 62,8 | 76,3 | 30 | 435 | 120 | 1740 | 200 | 460 | 2,2 |
| I0148 | 48 | 3" | 79,8 | 96,5 | 18 | 261 | 72 | 1044 | 240 | 660 | 2,33 |
| I0164 | 64 | 4" | 99,8 | 116,2 | 16 | 232 | 64 | 928 | 290 | 750 | 2,89 |

Construction:

Annular corrugated flexible metal hoses can be produced from longitudinally welded tubes corrugated mechanically with or with out braiding.

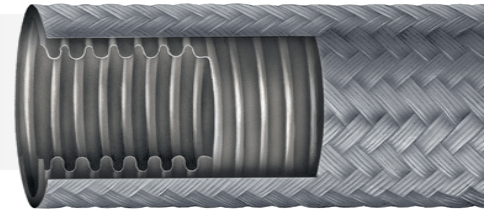
Internal core: Stainless steel AISI316L

Reinforcement: Single braid of AISI 304 stainless steel wire, available AISI 316

Temperature range: Continuous -200° a +800°



Flexible / Medium Pressure CORRUGATED METAL HOSE DOUBLE BRAID



VINCKE AI-02

| EN ISO 10380 | | | | | | | | | | | |
|--------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|--------------------|--------------------|--------|-----|-----|------|
| Code | Nominal \varnothing | Inside \varnothing | Outside \varnothing | Max. Working Pressure | Burst Pressure | Static Bend Radius | Static Bend Radius | Weight | | | |
| Dash Size | inch | mm | mm | bar | psi | bar | psi | mm | mm | g/m | |
| I0204 | 04 | 1/4" | 6,3 | 10,8 | 180 | 2610 | 720 | 10440 | 25 | 110 | 0,22 |
| I0205 | 05 | 5/16" | 8,5 | 13,6 | 168 | 2436 | 672 | 9744 | 32 | 130 | 0,27 |
| I0206 | 06 | 3/8" | 10 | 15,7 | 145,5 | 2109,75 | 582 | 8439 | 38 | 150 | 0,34 |
| I0208 | 08 | 1/2" | 12,1 | 18,2 | 112,5 | 1631,25 | 450 | 6525 | 45 | 165 | 0,38 |
| I0210 | 10 | 5/8" | 16,6 | 23,5 | 90 | 1305 | 360 | 5220 | 58 | 195 | 0,57 |
| I0212 | 12 | 3/4" | 20,2 | 28,2 | 93 | 1348,5 | 375 | 5394 | 70 | 225 | 0,75 |
| I0216 | 16 | 1" | 25,3 | 33,8 | 75 | 1087,5 | 300 | 4350 | 85 | 260 | 0,85 |
| I0220 | 20 | 1 1/4" | 33,6 | 43 | 69 | 1000,5 | 276 | 4002 | 105 | 300 | 1,55 |
| I0224 | 24 | 1 1/2" | 40 | 51,3 | 63 | 913,5 | 252 | 3654 | 130 | 340 | 1,81 |
| I0232 | 32 | 2" | 50,4 | 62,6 | 48 | 696 | 192 | 2784 | 160 | 390 | 2,06 |
| I0240 | 40 | 2 1/2" | 62,8 | 78,9 | 45 | 652,5 | 180 | 2610 | 200 | 460 | 3,19 |
| I0248 | 48 | 3" | 79,9 | 98,5 | 27 | 391,5 | 108 | 1566 | 240 | 660 | 3,51 |
| I0264 | 64 | 4" | 99,8 | 119 | 24 | 348 | 96 | 1392 | 290 | 750 | 4,36 |

Construction:

Annular corrugated flexible metal hoses can be produced from longitudinally welded tubes corrugated mechanically with or with out braiding.

Internal core: Stainless steel AISI316L

Reinforcement: Single braid of AISI 304 stainless steel wire, available AISI 316

Temperature range: Continuous -200° a +800°



Flexible / Medium Pressure TEMPERATURE CORRECTION FACTOR (f)

| TEMP. RANGE (°C) | SS 316L |
|------------------|---------|
| (-200 to -20) | 1 |
| 20 | 1 |
| 50 | 0,88 |
| 100 | 0,74 |
| 150 | 0,67 |
| 200 | 0,62 |
| 250 | 0,58 |
| 300 | 0,54 |
| 350 | 0,52 |
| 400 | 0,5 |
| 450 | 0,48 |
| 500 | 0,47 |
| 550 | 0,47 |
| 600 | - |
| 650 | - |

STAINLEES STEEL HOSE TEMPERATURE CORRECTION FACTORS

Where hoses are required to operate at temperatures above 20C° a correction factor must be multiplied by the indicated working pressure given for the selected hose.

The factors for stainless steel flexible hoses are given in the table below and the following example shows how calculations are made for hoses required to operate at elevated temperatures.

Example Ø 50 bore stainless steel hose is required to transfer fluid at a working pressure of 14 bar and temperature of 300 °C.

The maximum working pressure at 20 C° for single barid is of 32 bar.

The chart indicates a Maximum Working pressure of 300 C° = $32 \times 0.54 = 17.28$ bar. The hose selected is therefore suitable for this application.

STEEL FITTINGS

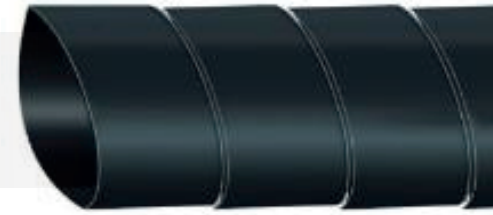
The connectors of carbon steel should not be used under – 20 °C or over 400 °C.



VINCKE





Protection

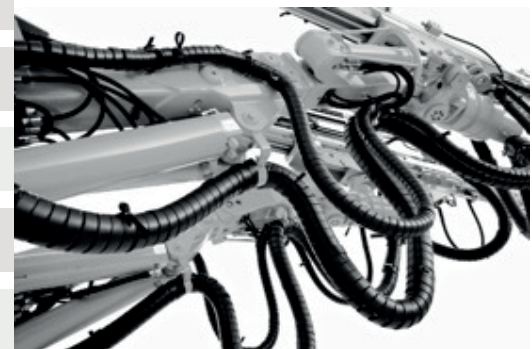




Flexible / Medium Pressure PAD SPIRAL GUARD

VINCKE FL

| Safe Spiral |  |  |  |  | Box |
|-------------|---|---|---|---|-----|
| Code | Inside \varnothing | Outside \varnothing | Thickness | Burst Pressure | m |
| | mm | mm | mm | mm | mm |
| FL013 | 13 | 16 | 1,6 | 12 | 20 |
| FL017 | 17 | 20 | 1,9 | 16 | 20 |
| FL021 | 21 | 25 | 2,9 | 20 | 20 |
| FL027 | 27 | 32 | 2,3 | 22 | 20 |
| FL035 | 35 | 40 | 2,7 | 24 | 20 |
| FL045 | 45 | 50 | 3 | 30 | 20 |
| FL058 | 58 | 63 | 3,5 | 37 | 20 |
| FL069 | 69 | 75 | 3,8 | 42 | 20 |
| FL080 | 82 | 90 | 5 | 45 | 20 |






Construction:
 Material High Density Polyethylenene
 Available different colours on request
 UV resistance.
 High abrasion resistance
 Colour: Black
 Working temperature -40°C to 90 °C



Flexible / Medium Pressure Hose Protective Sleeve



VINCKE PT

| Protective Sleeve |  Inside \varnothing |  Thickness |  Flat Width | Box |
|-------------------|--|---|--|-----|
| Code | mm | mm | (+/-1 mm) | m |
| PT17 | 17 | 0,8 | 30 | 50 |
| PT20 | 20 | 0,8 | 36 | 50 |
| PT23 | 23 | 0,8 | 40 | 50 |
| PT25 | 25 | 0,8 | 43 | 50 |
| PT27 | 27 | 0,8 | 45 | 50 |
| PT31 | 31 | 0,8 | 52 | 50 |
| PT33 | 33 | 0,8 | 55 | 50 |
| PT36 | 36 | 0,8 | 60 | 50 |
| PT40 | 40 | 0,8 | 66 | 50 |
| PT44 | 44 | 0,8 | 74 | 50 |
| PT47 | 47 | 0,8 | 77 | 50 |
| PT53 | 53 | 0,8 | 86 | 50 |
| PT55 | 55 | 0,8 | 90 | 50 |
| PT60 | 60 | 0,8 | 98 | 50 |
| PT66 | 66 | 0,8 | 106 | 50 |
| PT73 | 73 | 0,8 | 118 | 50 |
| PT78 | 78 | 0,8 | 126 | 50 |
| PT85 | 85 | 0,8 | 136 | 50 |
| PT93 | 93 | 0,8 | 150 | 50 |
| PH112 | 112 | 0,8 | 178 | 50 |



**Description:**

Protective Sleeves are made of a high-performance nylon yarn to prevent abrasion and injuries.

The special weave gives an exceptionally smooth inner wall, in which the hydraulic hose can move freely to prevent wear.

Protective Sleeves are ideal for protecting people, the environment and the machine against possible leaks.

Material:

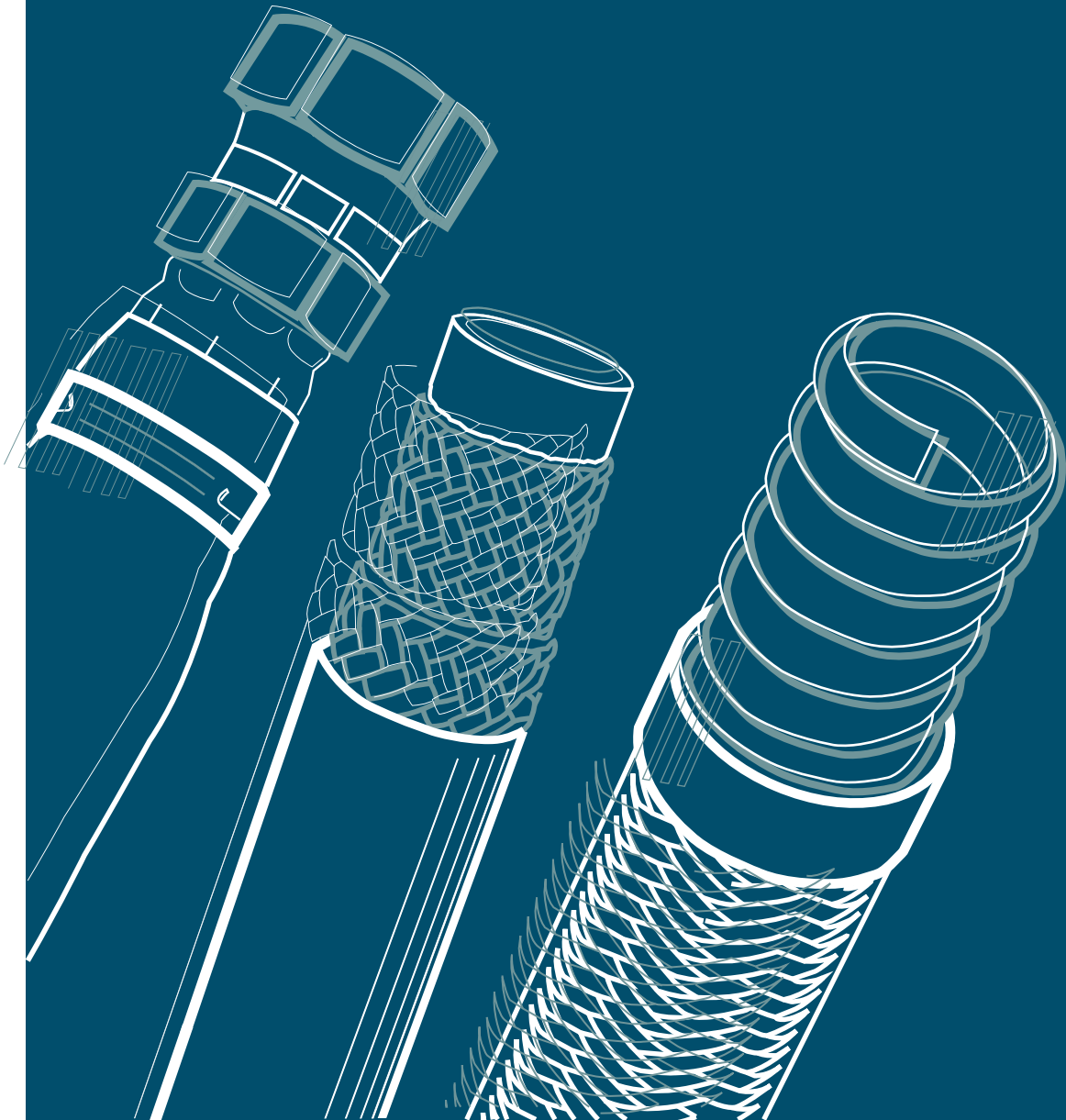
For Nylon – PH369N, ç

Colour: Black

Approval: RoHS, MSHA

Work Temperature: -50°C +125°C

VINCKE HYDRAULICS



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Your Hydraulic Brand

