

Material Handling

Dry Material

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Material Handling

Dry Material

H0347 WILDCAT™ Dry Material

page F-4



Application: Transfer of dry bulk, of bottle caps and of cleaning agents.
Discharge of abrasive materials

Tube: Static dissipating natural rubber/SBR

Reinforcement: 2-ply fiber with dual helical wires

Cover: SBR

Temp: -23°C to +71°C, (-10°F to +160°F)

Pressure: 7 bar / 100 psi

H0521 WILDCAT™ Heavy Duty Dry Material

page F-5



Application: Transfer of dry bulk, of bottle caps and of cleaning agents.
Discharge of abrasive materials

Tube: 1/4" tube thickness natural rubber blend

Reinforcement: 2-ply textile with conductive copper anti-static wire

Cover: SBR

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 5 bar / 75 psi

H0319 WILDCAT™ Soft Wall Dry Material

page F-6



Application: Transfer of dry bulk, of bottle caps and of cleaning agents.
Discharge of abrasive materials

Tube: 3/16" tube thickness natural rubber blend

Reinforcement: 2-ply textile with conductive copper anti-static wire

Cover: NR blend

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 5 bar / 75 psi

H0349 WILDCAT™ Hot Air Transfer

page F-7



Application: Hot air blower hose; hot, dry, non-oily applications

Tube: EPDM

Reinforcement: Textile with dual helical wires

Cover: Pin-pricked EPDM

Temp: -34°C to +177°C, (-30°F to +350°F)

Pressure: 7,0-10,5 bar / 100-150 psi

Sandblast

H0034 WILDCAT™ Sandblast

page F-8



Application: Conveys sand or shot for cleaning purposes, sandblast equipment to clean steel or concrete before painting or sealing

Tube: Natural rubber

Reinforcement: 4-ply textile

Cover: SBR

Temp: -40°C to +70°C, (-40°F to +158°F)

Pressure: 7,0-10,5 bar / 100-150 psi

Material Handling

Introduction and Safety Information



Slurry and Abrasive Resistant

- Where you are transferring abrasive slurries and dry materials, think longer life. Eaton offers a wide selection of industrial hoses that meet and exceed your job needs.

Flexibility

- Eaton offers channeled, corrugated and wrapped covers so you can decide how much flexibility your job requires.

Eaton Value

- Eaton stands behind our products with a commitment for excellence.

Material Handling Hose Safety Information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.


⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

Material Handling

Dry Material

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0347

WILDCAT™ Dry Material formerly Sabertooth



Construction:

Tube: Static dissipating natural rubber/SBR

Reinforcement: 2-ply fiber with dual helical wires

Cover: SBR

Operating Temperature:

-23°C to +71°C
(-10°F to +160°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length				
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034748-100	80	76,2	3.00	101,6	4.00	7,0	100	28,0	400	228,6	9.00	94,8	28	4.76	3.20	30,5	100
H034764-100	102	101,6	4.00	127,0	5.00	7,0	100	28,0	400	279,4	11.00	94,8	28	6,55	4.40	30,5	100

Material Handling

Dry Material

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0521

WILDCAT™ Heavy Duty Dry Material formerly LYNX



Construction:

Tube: 1/4" tube thickness
natural rubber blend

Reinforcement: 2-ply textile
and conductive copper
anti-static wire

Cover: SBR

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H052164-100	102	101,6	4.00	122,2	4.81	5,0	75	20,7	300	4,03	2.71	30,5	100
H052180-100	130	127,0	5.00	147,0	5.79	5,0	75	20,7	300	5,02	3.37	30,5	100

Material Handling

Dry Material

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0319

WILDCAT™ Soft Wall Dry Material formerly LYNX



Construction:

Tube: 3/16" tube thickness natural rubber blend

Reinforcement: 2-ply textile and conductive copper anti-static wire

Cover: NR blend

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Transfer of dry bulk
- Discharge of abrasive material
- Transfer of bottle caps
- Transfer of cleaning agents

Markets:

- In-plant transfers
- Tank truck
- Bottling plant
- Coal plant
- Dry cement operations
- Well service

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H031964-100	102	101,6	4.00	117	4.61	5,0	75	20,7	300	3,35	2.25	30,5	100
H031980-100	130	127,0	5.00	144	5.67	5,0	75	20,7	300	4,22	2.84	30,5	100

Material Handling

Dry Material

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0349

WILDCAT™ Hot Air Transfer



Construction:

Tube: EPDM

Reinforcement: Textile with dual helical wires

Cover: Pin-pricked EPDM

Operating Temperature:

-34°C to +177°C
(-30°F to +300°F)
Intermittent +350F

Application:

- Hot air blower hose
- Hot, dry, non-oily applications

Markets:

- Construction
- In-plant transfers
- Tank truck
- Dry cement delivery

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H034948-100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	350	13.78	81,3	24	2,85	1.92	30,5	100
H034964-100	102	101,6	4.00	116,6	4.59	7,0	100	28	400	460	18.11	81,3	24	3,58	2.41	30,5	100

Material Handling

Sandblast

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0034

WILDCAT™ Sandblast

formerly Concord Sandblast



Construction:

Tube: Natural rubber

Reinforcement: 4-ply textile

Cover: SBR

Operating Temperature:

-40°C to +70°C
(-40°F to +158°F)

Application:

- Conveys sand or shot for cleaning purposes
- Conveys sand from sandblast equipment to clean steel or concrete before painting or sealing

Markets:

- Construction
- Metal working
- Ship building

Type of Couplings:

- Sandblast couplings that attach to the O.D. of hose

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H003408-100	12	12,7	0.50	27,0	1.06	10,5	150	41	600	60	2.36	0,60	0.40	30,5	100
H003412-100	19	19,0	0.75	38,1	1.50	10,5	150	41	600	80	3.15	1,03	0.69	30,5	100
H003416-100	24	25,4	1.00	47,6	1.87	10,5	150	41	600	115	4.53	1,53	1.03	30,5	100
H003420-100	31	31,8	1.25	54,8	2.16	8,5	125	35	500	135	5.31	1,84	1.23	30,5	100
H003424-100	38	38,0	1.50	60,0	2.36	7,0	100	28	400	175	6.89	1,98	1.33	30,5	100
H003432-100	51	50,8	2.00	73,0	2.87	7,0	100	28	400	310	12,2	2.47	1.66	30,5	100

Abrasion loss value acc. DIN53516 ≤60mm³