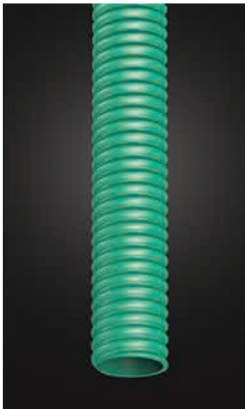
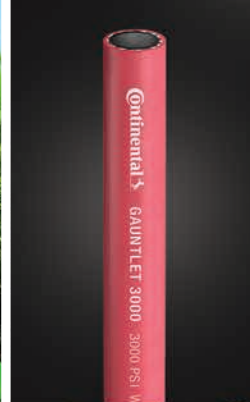
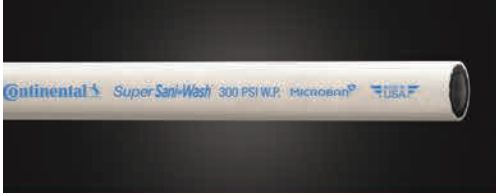


Continental 
The Future in Motion



Industrial Hose Product Catalog

www.continental-industry.com

www.vaportec.us

 **VaporTec**

Flexsteel® 250 Steam



Product Specifications

Application

Flexsteel® 250 is for cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Pyrosyn® synthetic rubber

> Cover

Black or red Pyrosyn® finish, pin-pricked

> Reinforcement

One or two steel wire braids

Temperature Range

-40°F to 450°F (-40°C to 232°C)

Packaging

Reels or 50' cut lengths (1/2" - 4 per box, 3/4" - 3 per box, 1" - 2 per box)

Branding

Example: Continental Flexsteel® 250 Steam
Max WP 250 psi Made in USA

Couplings

Refer to the Continental Industrial Hose Assembly Manual for crimp specifications.



Coupled assemblies available.

Order Codes

539-470 (black wrapped)
539-476 (red wrapped)
559-201 (2" black wrapped)
559-202 (2" red wrapped)

Flexsteel® 250 Steam

		ID		Nom. OD		Max. WP		Weight	
Black Wrapped	Red Wrapped	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
	20594100	1/2	12.7	1.06	26.9	250	1.72	0.45	0.67
20464192	20551612	3/4	19.1	1.28	32.5	250	1.72	0.56	0.83
	20590425	1	25.4	1.63	41.4	250	1.72	0.91	1.35
20615488	20620044	1¼	31.8	1.88	47.8	250	1.72	1.02	1.52
20575082	20620048	1½	38.1	2.12	53.8	250	1.72	1.23	1.83
20766307	20766308	2	50.8	2.58	65.5	250	1.72	1.60	2.38

Hose design factor 10:1.

Air & Multipurpose
General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage
Transfer

Food Washdown

Marine

Material Handling
Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum
Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water
Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Crimped Steam Assembly



Product Specifications

Application
Coupling assembly crimps permanently onto hose, forming a tight crimp that reduces leaks and eliminates bulky bolt clamps while reducing potential for damage from snagging on personnel or property.

Recommended Crimp Diameters for Continental Branded Steam Hose

Hose Description	Hose Order Code	Hose ID	Female Ground Joint Low Profile Unit	Female Ground Joint Wing Nut	Male NPT	Male NPT Swivel	Crimp Dia.	Continental Perma-Crimp Die Set	Approx. Setting
Flexsteel 250 (Red Wrapped)	539-476-016	1/2"	NA	GJS-2V	IMS-2V	NA	1.22"	27	3.99
Flexsteel 250 (Black and Red Smooth)	539-070-024 539-076-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.44"	34	2.58
Flexsteel 250 (Black and Red wrapped)	539-470-024 539-476-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.44"	34	2.58
Flexsteel 250 (Black and Red Smooth)	539-070-032 539-076-032	1"	RGJS-4V	GJS-4V	IMS-4V	IMS-4VSW	1.93"	45	3.90
Flexsteel 250 (Black and Red Wrapped)	539-470-032 539-476-032	1"	RGJS-4V	GJS-4V	IMS-4V	IMS-4VSW	1.90"	45	3.26
Flexsteel 250 (Black and Red Wrapped)	559-201-510 559-202-510	2"	RGJS-8V	GJS-8V	IMS-8V	NA	2.92"	74	0.17
Flexsteel 250 EPDM20 (Black and Red Smooth)	539-970-016 539-976-016	1/2"	RGJS-2V	GJS-2V	IMS-2V	NA	1.22"	27	3.99
Flexsteel 250 EPDM20 (Black and Red Smooth)	539-970-024 539-976-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.44"	34	2.58
Flexsteel 250 EPDM20 (Black and Red Smooth)	539-970-032 539-976-032	1"	RGJS-4CV	GJS-4CV	IMS-4CV	IMS-4CVSW	1.90"	45	3.26
Flexsteel 250 EPDM20 (Red Wrapped)	539-486-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.42"	34	2.07
Flexsteel 250 EPDM20 (Red Wrapped)	539-486-032	1"	RGJS-4V	GJS-4V	IMS-4V	IMS-4VSW	1.90"	45	3.26
Flexsteel 250 CB Extreme (Black and Red Wrapped)	539-870-024 539-876-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.43"	34	2.32
Flexsteel 250 ORS Wrapped (Black)	539-098-024	3/4"	RGJS-3V	GJS-3V	IMS-3V	IMS-3VSW	1.43"	34	2.32

Ground Joint Wing Nut



Ground Joint Wing Nut with Female NPT Spud



Male NPT Swivel



Available as Male NPT

Ground Joint Low Profile Nut with Female NPT Spud



Flexsteel® 250 CB Steam



Product Specifications

Application

Flexsteel® 250 CB is used for cleaning, heat control, fire prevention, pumping, thawing, blowout service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Chlorobutyl synthetic rubber

> Cover

Red or black Pyrosyn® synthetic rubber, pin-pricked

> Reinforcement

Braided steel wire (3/4" and higher have two steel wire braids)

Temperature Range

-40°F to 425°F (-40°C to 218°C)

Packaging

Wrapped cover:

1/2" - Four 50' exact length/box

3/4"-1" - Three 50' exact length/box

1¼"-2" - One 50' exact length/box

Branding

Example: Continental Flexsteel® 250 CB Steam Max WP 250 psi Made in USA

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

539-176 (1/2"-1" red)

581-176 (1¼"-2" red)

Flexsteel® 250 CB Steam WF (Wrapped Finish)

SAP #	ID	Nom. OD		Max. WP		Weight		
Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20050829	1/2	12.7	1.00	25.4	250	1.72	0.40	0.60
20024094	3/4	19.1	1.31	33.3	250	1.72	0.64	0.95
20045991	1	25.4	1.56	39.6	250	1.72	0.77	1.15
20045770	1¼	31.8	1.75	44.5	250	1.72	1.06	1.58
20046224	1½	38.1	2.00	50.8	250	1.72	1.42	2.11
20046225	2	50.8	2.50	63.5	250	1.72	1.71	2.54

Hose design factor 10:1.



Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage
Transfer

Food Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

Flexsteel® 250 CB Extreme Crimp Steam Hose



Product Specifications

Application Continental is pleased to announce the Flexsteel® 250 CB Extreme Crimp Steam Hose, the only Continental chlorobutyl steam hose with an enhanced over-the-cover crimp coupling solution. The hose is rated to a maximum operating pressure of 250 psi, and its temperature range is -40°F to 425°F (-40°C to 218°C), up to 450°F intermittent, with a 10:1 design factor.	Temperature Range -40°F to 425°F (-40°C to 218°C), up to 450°F intermittent
Construction > Tube Chlorobutyl synthetic rubber > Cover Red or black Pyrosyn®, pin-pricked > Reinforcement Two-braid steel wire	Packaging Reels, cut lengths and coupled assemblies Branding Example: Continental Flexsteel® 250 CB Extreme Crimp Steam Drain After Using, Made in USA Order Codes 539-870-024 (black) 539-876-024 (red)

Flexsteel 250 CB Extreme Crimp Steam Hose

SAP #		ID		OD		Max. WP		Weight	
Black	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20637404	20645689	3/4	19.1	1.28	32.5	250	1.72	250	1.72

Hose ID	Campbell Ground Joint Viton Seal Setting Low Profile Nut	Campbell Ground Joint Viton Seal Female NPT Spud Wing Nut	Campbell Male NPT	Campbell Male Male NPT Swivel	Crimp Diameter	Die Set	Approx. Setting
3/4"	RGJF-3V	GJF-3V	IMS-3V	IMS-3VSW	1.43	34	2.32

Hose design factor 10:1.

Flexsteel® 250 ORS Steam



Product Specifications

Application

The Flexsteel® 250 ORS Steam offers all the performance features of the Flexsteel® 250 Steam with the added benefit of improved oil resistance in the cover. Excellent for steam hose applications where the cover may be exposed to oil intermittently. Applications include cleaning, heat control, fire prevention, pumping, thawing, blow-out service, steam pumps and hoists in open-end or permanent installation operations. It is used in refineries, shipyards, chemical plants, steel mills, foundries and heavy industrial applications where high strength is required and where severe environmental conditions are encountered.

Construction

> Tube

Black EPDM rubber

> Cover

Wrapped black oil-resistant synthetic rubber, ARPM Class B (Medium Oil Resistance), pin-pricked

> Reinforcement

Two-braid steel wire

Temperature Range

0°F to 425°F (-18°C to 218°C)

Packaging

Reels or 50' cut lengths

Branding

Example: Continental 3/4" Flexsteel 250 ORS Steam Made in USA Drain After Using

Couplings

Refer to the Continental Industrial Hose Assembly Manual for crimp specifications.

Order Codes

539-098

Flexsteel® 250 ORS Steam Hose

SAP #	ID		Nom. OD		Max. WP		Weight	
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20023872	3/4	19.1	1.26	32.0	250	1.72	0.58	0.86

Hose design factor 10:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage Transfer

Food Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

Plicord® 250 Steam



Product Specifications

Application

Plicord® 250 has a rugged construction used for all-around steam service in chemical plants, refineries, shipyards and demanding industrial service. It is recommended for cleaning, thawing, blowout service, steam pumps, hoists and other applications involving steam.

Temperature Range

0°F to 406°F (-18°C to 208°C)

Packaging

50' lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental Plicord® 250 Steam psi
Drain after use

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-060 (black)
549-061 (red)

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Black EPDM synthetic rubber; also available in red cover with yellow brand for color coding (wrapped impression), pin-pricked

> Reinforcement

Spiral-plied steel wire

Plicord® 250 Steam

SAP#		ID		Nom. OD		Max. WP		Weight	
Black	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20019132	20019162	1/2	12.7	0.97	24.6	250	1.72	0.33	0.49
20019137	20019168	3/4	19.1	1.25	31.8	250	1.72	0.49	0.73
20019141	20019174	1	25.4	1.50	38.1	250	1.72	0.61	0.91
20019144	20019178	1¼	31.8	1.81	46.0	250	1.72	0.83	1.24
20019148	20019180	1½	38.1	2.09	53.1	250	1.72	1.03	1.53
20019154	20019184	2	50.8	2.78	70.6	250	1.72	1.88	2.80
20019155	20019186	2½	63.5	3.28	83.3	250	1.72	2.33	3.47
20019158	20019187	3	76.2	3.77	95.8	250	1.72	2.73	4.06

Hose design factor 10:1.

Heavy Duty Steam Pile Driver



Product Specifications

Application

This hose is designed to withstand the toughest off-shore pile driving applications and offers long-lasting service in on shore applications. A combination of the steam-resistant EPDM tubing and the steel aramid construction gives this hose the pliability and kinetic and crush-resistance required in this application.

Construction

> Tube

Black EPDM synthetic rubber

> Cover

Red or black EPDM synthetic rubber, pin-pricked

> Reinforcement

Brass-coated steel cord and aramid breakers

Packaging

100' exact lengths, coiled and poly-wrapped

Branding (Spiral)

Example: Continental HD Steam Pile Driver

250 psi WP

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

541-460 (red)

541-461 (black)

Temperature Range

-40°F to 406°F (-40°C to 205°C)

Heavy Duty Steam Pile Driver

SAP #		ID		Nom. OD		Max. WP		Bend Radius		Weight	
Black	Red	in.	mm	in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m
20196602		3	76.2	4.29	109.0	250	1.72	24	610	4.90	7.29
20252985	20214787	4	101.6	5.63	143.0	250	1.72	32	813	9.07	13.50
20525522		6	152.4	7.66	194.6	250	1.72	48	1200	10.98	16.40

Hose design factor 10:1.

Air & Multipurpose

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage
Transfer

Food Washdown

Marine

Material Handling

Abrasives

Bulk Transfer

Cement & Concrete

Mining

Petroleum

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

DAMPF TRIX® 6000 Steam



Product Specifications

Application

The high-temperature-resistant DAMPF TRIX® 6000 steam hose has been designed to meet the most severe working conditions for conveying saturated steam in the chemical and petrochemical industry, in refineries, the building industry, in shipyards and for various other industrial applications. It is made of an extremely heat-resistant EPDM lining and cover, assuring the transport of pure, saturated steam at 210°C and 18 bar, or even at 220°C and 23 bar for short-time service. DAMPF TRIX® 6000 is manufactured to European standards.

Construction

> Tube

Black, non-porous and smooth EPDM lining, conductive

> Cover

Black, fabric-patterned EPDM cover resistant to ozone, weather, UV and abrasion, conductive

> Reinforcement

2 steel wire braids, excellent resistance to corrosion

Temperature Range

For saturated steam up to 428°F (220°C), short term 428°F (220°C) at 23 bar/333 psi (saturated steam)

Branding

Barber pole-style.

Example: Continental DAMPF TRIX® 6000 261 psi (18 bar)

Made in Germany

DAMPF TRIX® 6000 Steam

SAP #	ID		Nom. OD		Max. WP		Bend Radius		Length	Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm		lb./ft.	kg/m
20836407	3/8	9.5	0.86	21.5	261	1.8	3 15/16	100	131	0.27	0.40
20836408	1/2	15.9	0.98	25	261	1.8	2 9/16	65	131	0.29	0.43
20836409	3/4	19.1	1.14	29	261	1.8	3 3/8	85	131	0.60	0.90
20836410	1	25.4	1.56	40	261	1.8	9 13/16	250	131	0.81	1.20
20836411	1 1/4	31.8	1.87	48	261	1.8	12 5/8	320	131	1.04	1.55
20836412	1 1/2	38.1	2.13	54	261	1.8	14 15/16	380	131	1.21	1.80
20836413	2	50.8	2.69	68	261	1.8	19 15/16	500	131	1.75	2.60

Hose design factor 20:1 ≤ 1"

Hose design factor 10:1 > 1"

Conti® Blue Steam

NEW



Product Specifications

Application

Conti® Blue Steam is an ideal steam and cleaning hose for dairies, cheese factories and food processing industries. It is fully certified to FDA, BfR and EU Regulations.

Construction

> Tube

White EPDM rubber; smooth, non-porous and absolutely neutral to taste and odor

> Cover

Blue EPDM rubber; smooth, abrasion-resistant and resistant to ozone, weather and UV

> Reinforcement

Synthetic fiber

Packaging

131' lengths (40m)

Branding

Example: Continental CONTI® BLUE STEAM FDA
Glas-/Gabel-Symbol BfR EG 1935/2004 2023/2006
Made in Germany

Couplings

Refer to DINGA® Water-Saving Spray Nozzle for hot water applications and the standard DIN EN 14423 clamp fittings.

Order Codes

500-006

Temperature Range

-22°F to 203°F (-30°C to 95°C)

Conti® Blue Steam

SAP #	ID		Max. WP		Bend Radius		Weight	
	in.	mm	psi	MPa	in.	mm	lb./ft.	kg/m
21087970	1/2	13	290	20	5.1	130	0.31	0.46
21087971	3/4	19	290	20	7.5	190	0.49	0.73
21097910	1	25	290	20	9.8	250	0.68	1.01

Hot water - Hose design factor 3:1.

Steam - Hose design factor 10:1.

Air & Multipurpose

General Purpose
Heavy Duty
Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage Transfer

Food Washdown

Marine

Material Handling

Abrasives
Bulk Transfer
Cement & Concrete

Mining

Petroleum

Aircraft Fueling
Dispensing
Dock
Rig Supply
Transfer Discharge
Transfer S&D

Specialty

Steam

Vacuum

Water

Discharge
Suction & Discharge
Washdown
Garden

Welding

Coupling Systems

Equipment

Appendix

MIL-DTL-29210E Steam Hose



Product Specifications

Application

This hose assembly is for military applications (such as Navy shipyard use) in temporary services from docks or barges to ships. It is a 1st Article-approved hose meeting the requirements of MIL-DTL-29210 rev. E. This specification covers metal-lined, wire-reinforced, rubber hose assemblies for conveyance of saturated steam.*

Revision E update (key changes):

- › Ozone and steam tests as part of ARPM conformance testing are required for 1st Article in rev. E
- › Part or identifying number (PIN) is much more specific
- › The branding requirements have been corrected to brand as MIL-DTL-29210E instead of MIL-PRF-29210C.

Construction

> Tube

EPDM

> Cover

Black wrapped finish EPDM, pin-pricked

> Reinforcement

Two wire braids

Temperature Range

0°F to 406°F (-18°C to 208°C)

Packaging

25' or 50' cut lengths

Branding

Continental (Quarter Year/Date Code)
MIL-DTL-29210 250 PSIG (1724 KPa (Gauge)) Steam
29210E

Couplings

End fittings and special stem design per MIL-DTL-29210E for use with stainless-steel metal liner.* Stainless-steel metal liner per MIL-DTL-29210E.

Order Codes

539-670
505-169 (2" black)

MIL-DTL-29210E Steam Hose

SAP #	ID		Nom. OD		Max. WP		Weight	
Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20490435	3/4	19.05	1.32	33.40	250	1.72	0.61	0.91
20453479	1	25.4	1.61	40.89	250	1.72	0.82	1.22
20469264	1½	38.1	2.12	53.85	250	1.72	1.22	1.82
21017266	2	50.8	2.71	68.8	261	1.80	1.72	2.56

Hose design factor 10:1.

*Steel liners are not available through Continental. Please refer to Mil Spec for an approved suppliers list.