

Refining Industry

Hose and Power Transmission
Solutions for Your Operation



Continental.

Worldwide. World-class. World-changing.

Continental is a world leader in industrial rubber and plastic products and has one of the largest global footprints of any rubber products manufacturer. Our knowledge and expertise allow us to deliver the most innovative and highest quality products on the market. Plus, our extensive problem-solving experience across multiple industries and applications enables us to share innovations over our entire product offering. Which means we can deliver unexpected solutions and advanced improvements in situations where others can't.

Continental offers a full breadth of industrial rubber products including:

- › Industrial Hose
- › Conveyor Belts
- › Power Transmission Belts
- › Hydraulic Hose and Fittings
- › Air Springs



Our Power Transmission Belts

Bring Greater Efficiency to Your Operation

Performance is critical with your axial fan air-cooled heat exchangers and your operation's success. Outages can be costly and may cause plants to shut down or operate at reduced capacity. Continental's Power Transmission Group can optimize an ACHE system's output and give you more for your energy dollar with drive solutions that fit your oil refinery's needs.

As an expert in the power transmission technology area, we provide drives for a wide range of industries. It's why Continental is a global leader that delivers belt drive systems custom-tailored to customer requirements.

Antistatic Protection for Your People and Operation

NEW

 Conti® Synchrochain Supreme

The Conti® Synchrochain Supreme has an antistatic fabric to dissipate electrostatic discharges, preventing the damage of sensitive electronic components, avoiding contamination of the drive system and accidental ignition of flammable liquids or gases. With similar characteristics to our Synchrochain Carbon, the Synchrochain Supreme will be offered in the same profiles.



Air-Cooled Heat Exchanger or ACHE

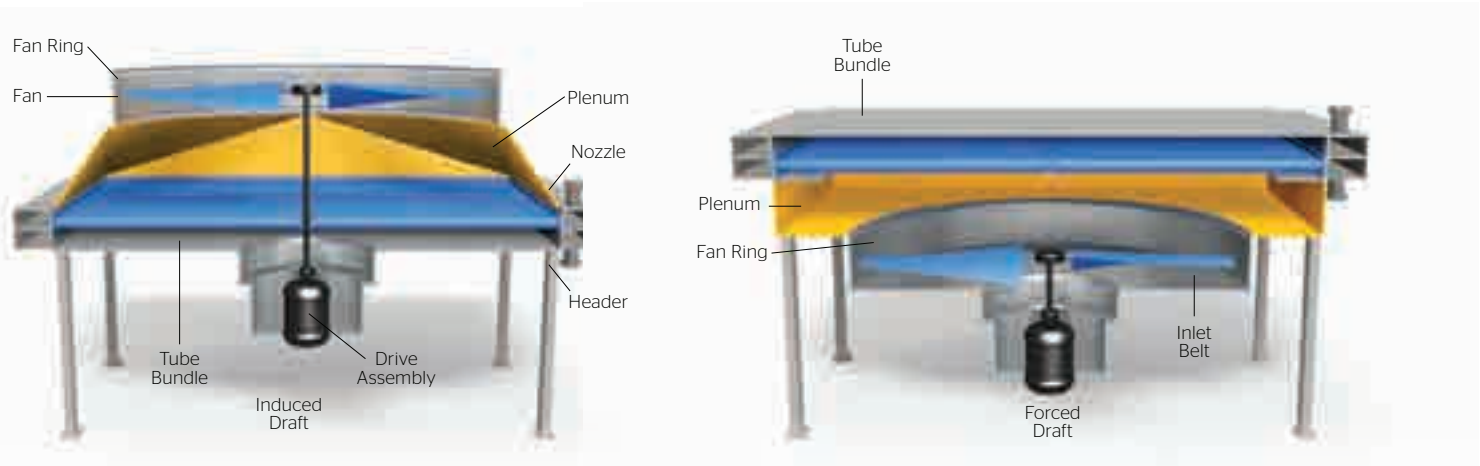
ACHE forces air over a set of coils to cool the exchange. They're used where a system produces heat that must be removed because there's a need for temperature reduction.

Which Industries use ACHE?

They're used in refineries, petrochemical plants, LNG processing terminals, geothermal power generation plants, compressor stations, power plants, iron/ steel mills & other facilities.

Our Belts Play a Key Role

Conti® Synchrochain Supreme, Conti® Synchrochain Carbon, and Conti® Synchroforce Supreme belts provide flexibility in fan speed selection and allow the motor to be located outside the air stream. This is a distinct advantage in high temperature or corrosive environments.



CTD-C8M

Standard Width: 12mm / 21mm / 36mm / 62mm

Length	608	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440
Number of Teeth	76	80	90	100	112	115	120	125	130	140	150	153	160	180

Length	1600	1760	1792	2000	2240	2400	2520	2850	3048	3200	3600	4000	4480
Number of Teeth	200	220	224	250	280	300	315	355	381	400	450	500	560

CTD-C14M

Standard Width: 20mm / 37mm / 68mm / 90mm / 125mm

Length	994	1120	1190	1260	1400	1568	1610	1750	1890	1960	2100	2240	2310	2380	2450
Number of Teeth	71	80	85	90	100	112	115	125	135	140	150	160	165	170	175

Length	2520	2590	2660	2730	2800	3136	2828	3304	3360	3500	3850	3920	4326	4410
Number of Teeth	180	185	190	195	200	224	202	236	240	250	275	280	309	315

Our Intelligent Designs Deliver Maximum ACHE Output

Conti® Synchrochain Carbon

Conti® Synchrochain Carbon delivers increased power output and is maintenance free. Our lightweight, high-tensile belt is also longitudinally stable through its lifetime. Thanks to its design and advanced materials you get clean, smooth and reliable power transmission at high torques or dynamic loads.



Get More From Your High Efficiency Drive Systems

Conti® Synchroforce Supreme

When you demand more from your high efficiency drive systems, turn to Synchroforce Supreme. Our improved HNBR rubber compound runs 6dB quieter, delivers 36% more horsepower in high-torque and lower speed applications, plus offers static conductivity. Plus, it's maintenance free, features exceptional tensile strength and offers greater flexibility than polyurethane.*



**When compared to previous generation product*

CTD-C8M

Standard Width: 12mm / 21mm / 36mm / 62mm

Length	608	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440
Number of Teeth	76	80	90	100	112	115	120	125	130	140	150	153	160	180

Length	1600	1760	1792	2000	2240	2400	2520	2850	3048	3200	3600	4000	4480
Number of Teeth	200	220	224	250	280	300	315	355	381	400	450	500	560

G8M

Standard Width: 12mm / 21mm / 36mm / 62mm

Length	608	640	720	800	896	920	960	1000	1040	1120	1200	1224	1280	1440
Number of Teeth	76	80	90	100	112	115	120	125	130	140	150	153	160	180

Length	1600	1760	1792	2000	2240	2400	2520	2840	3200	3600	4000	4480	5152
Number of Teeth	200	220	224	250	280	300	315	355	400	450	500	560	644

CTD-C14M

Standard Width: 20mm / 37mm / 68mm / 90mm / 125mm

Length	994	1120	1190	1260	1400	1568	1610	1750	1890	1960	2100	2240	2310	2380	2450
Number of Teeth	71	80	85	90	100	112	115	125	135	140	150	160	165	170	175

Length	2520	2590	2660	2730	2800	3136	2828	3304	3360	3500	3850	3920	4326	4410
Number of Teeth	180	185	190	195	200	224	202	236	240	250	275	280	309	315

G14M

Standard Width: 20mm / 37mm / 68mm / 90mm / 125mm

Length	994	1120	1190	1260	1400	1568	1610	1750	1890	1960	2100	2240	2380	2520	2660
Number of Teeth	71	80	85	90	100	112	115	125	135	140	150	160	170	180	190

Length	2800	3136	3304	3500	3850	3920	4326	4410	5166	6496	6636
Number of Teeth	200	224	236	250	275	280	309	315	369	464	474

Hoses

Pushing the boundaries of what’s possible.

Continental is recognized worldwide as a leader in the design, manufacture and supply of technologically advanced hose for the oil and gas refinery industry. We continue to create new developments for the field by incorporating advanced technology into our products by pushing the boundaries of what’s possible. Our products will always meet or exceed the highest specifications, the strictest environmental mandates and perform in the most extreme conditions.

BUILD YOUR OWN HOSE ASSEMBLIES



Our NEW C-IQ app lists all recommended fittings

It’s where you’ll find the most up-to-date fitting recommendations and crimp specifications.

APPLICATION AREAS

- Steam
- Hydrocarbon Drain
- Chemical
- Petroleum
- Nitrogen
- Air & Water

					Crimp Specs Available																
	APPLICATION	CUSTOMIZATION	CONTINENTAL RECOMMENDED FITTINGS	Crimp Spec Location	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	6"	12"	
FLEXSTEEL 250 EPDM-20		 	Campbell Female Ground Joint Wing Nut, Female Ground Joint Low Profile Nut, Male NPT, Male NPT Swivel	INH Assembly Manual				✓		✓	✓										
FLEXSTEEL 250 STEAM		 	Campbell Female Ground Joint Wing Nut, Female Ground Joint Low Profile Nut, Male NPT, Male NPT Swivel	INH Assembly Manual								+	✓	✓							
FLEXSTEEL 250 CB STEAM			Bolt-on Style Only	N/A				+			+	+	+	+							
FLEXSTEEL 250 CB EXTREME CRIMP STEAM		 	Campbell Female Ground Joint Wing Nut, Female Ground Joint Low Profile Nut, Male NPT, Male NPT Swivel	INH Assembly Manual						✓											
HYDROCARBON DRAIN - BRAIDED			Continental B2 Male NPT	INH Assembly Manual						✓	+										
HYDROCARBON DRAIN - HAND-BUILT			*Contact fitting manufacturer	INH Assembly Manual						+	+		+	+							
FABCHEM		  	Campbell Insta-Lock™, Campbell ChemJoint™	INH Assembly Manual				✓		✓	✓	✓	✓	✓	✓	✓		✓			
EXTREMEFLEX PETROLEUM TRANSFER			Campbell Insta-Lock™	INH Assembly Manual				✓		✓	✓	✓	✓	✓	✓	✓		✓	✓		
FLEXDOCK 225			Custom factory assemblies with built-in ends: fixed or floating flanges. Contact customer service for additional options.	Built-in										✓	✓	✓	✓	✓	✓	✓	
NITROGEN SERVICE HOSE		 	Couplamatic Vari-crimp, Campbell Bowes/Thor	INH Assembly Manual and Campbell Crimp Specs for Bowes/Thor						✓											
GORILLA			Couplamatic Vari-Crimp	INH Assembly Manual		✓	✓	✓	✓	✓	✓	✓	✓	✓							
FRONTIER		    	Couplamatic Vari-crimp	INH Assembly Manual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							

Full color and branding customization available upon request.

- Size Available
- Size and Crimp Specs Available
- Ready2Go Assemblies Available

The Right Solutions.

Exactly where you need them.

APPLICATION AREAS



Steam

Hydrocarbon
Drain

Chemical



Petroleum



Nitrogen



Air & Water

ATMOSPHERIC DISTILLATION



VACUUM DISTILLATION



CATALYTIC REFORMER



CRUDE

COKER



UTILITIES



TERMINAL



HYDROCRACKER



HYDROHEATER



FCC FEED HYDROTREATER



TANK FARM



ALKYLATION



ISOMERIZATION



FLUID CATALYTIC CRACKER



WASTEWATER





Steam

- Atmospheric Distillation
- Vacuum Distillation
- Hydrocracker
- Hydrotreater
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer
- Tank Farm
- Wastewater
- Utilities



Flexsteel® 250 EPDM-20

Application: The Flexsteel® 250 EPDM-20 features the superior performance of the Flexsteel 250 Steam Hose series enhanced with the increased design ratio of 20:1. This exceeds the ARPM safety standard and makes steam operations more secure and user-friendly. The hose has a maximum operating pressure of 250 psi with a temperature range of -40°F to 450°F.

- › Qualified crimped solution, proven safety and cost advantages over bolt-on style coupled assemblies
- › Best performing steam hose on the market for steam endurance testing
- › 20:1 safety factor, twice the ARPM recommendation for steam hose

Tube: Pyrosyn (EPDM) synthetic rubber	Temperature: -40°F to 450°F (-40°C to 232°C)	Order Codes: 539-970	 <i>Coupled assemblies available.</i>
Cover: Smooth red Pyrosyn (EPDM)	Couplings: Campbell Female Ground Joint Wing Nut, Female Ground Joint Low Profile Nut, Male NPT, Male NPT Swivel	539-976	
Reinforcement: Braided steel wire (3/4" and larger have two steel wire braids)			

SAP #		ID		Nom. OD		Max. WP		Weight	
Black	Red	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
21114392	21040909	1/2	12.7	1.09	26.9	250	1.72	0.45	0.67
21087853	21088882	3/4	19.1	1.28	32.5	250	1.72	0.59	0.83
21113444	21113460	1	25.4	1.63	41.4	250	1.72	0.95	1.43

Hose design ratio (burst pressure) 20:1



Flexsteel® 250 Steam

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.

- › Crimped solution, proven safety and cost advantages over bolt-on style coupled assemblies
- › Superior performance for steam exposure testing
- › Exceeds 10:1 ARPM recommended safety factor

Tube: Wrapped Pyrosyn (EPDM) synthetic	Order Codes:
Cover: Black or red wrapped Pyrosyn (EPDM)	539-470 (black wrapped)
Reinforcement: One or two steel wire braids	539-476 (red wrapped)
Temperature: -40°F to 450°F (-40°C to 232°C)	559-201 (2" black wrapped)
Couplings: Campbell Female Ground Joint	559-202 (2" red wrapped)
Wing Nut, Female Ground Joint Low Profile Nut,	
Male NPT, Male NPT Swivel	

SAP #		ID		Nom. OD		Max. WP		Weight	
Black Wrapped	Red Wrapped	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
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 ratio (burst pressure) 10:1.



Flexsteel® 250 CB Steam

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.

- › Pure chlorobutyl tube compound
- › Exceeds 10:1 ARPM recommended safety factor
- › Superior performance for steam exposure testing

Tube: Chlorobutyl synthetic rubber	Couplings: Bolt-on Style Couplings
Cover: Wrapped red Pyrosyn (EPDM) synthetic rubber	Order Codes: 539-176 (½"-1" red) 581-176 (1¼"-2" red)
Reinforcement: Braided steel wire (3/4" and larger have two steel wire braids)	
Temperature: -40°F to 425°F (-40°C to 218°C)	

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
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 ratio (burst pressure) 10:1.



Flexsteel® 250 CB Extreme Crimp Steam

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 ratio.

- › Pure chlorobutyl tube compound
- › Crimped solution, proven safety and cost advantages over Campbell bolt-on style coupled assemblies
- › Exceeds 10:1 ARPM recommended safety factor

Tube: Chlorobutyl synthetic rubber	Couplings: Campbell Female Ground Joint Wing Nut, Female Ground Joint Low Profile Nut, Male NPT, Male NPT Swivel	 <i>Coupled assemblies available.</i>
Cover: Red or Black wrapped Pyrosyn (EPDM) synthetic rubber		
Reinforcement: Two-braid steel wire	Order Codes:	
Temperature: -40°F to 425°F (-40°C to 218°C), up to 450°F intermittent	539-870-024 (black) 539-876-024 (red)	

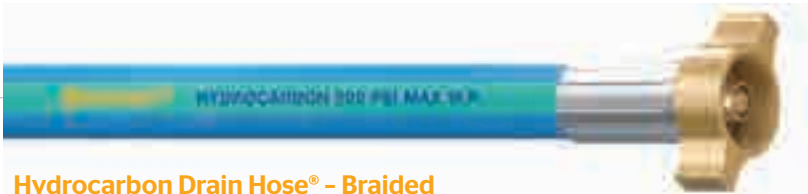
SAP #		ID		Nom. OD		Max. WP		Weight	
Red	Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20645689	20637404	3/4	19.1	1.28	32.5	250	1.72	250	1.72

Hose design ratio (burst pressure) 10:1.



Hydrocarbon Drain

- Atmospheric Distillation
- Vacuum Distillation
- Hydrocracker
- Hydrotreater
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer



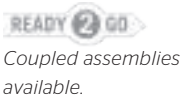
Hydrocarbon Drain Hose® – Braided

Application: This is a heavy-duty hose designed for hydrocarbon drain service. It is designed to clean out the hot residue created during steam cleaning and withstand harsh high heat and oil environments.

- › 10:1 safety factor, over twice the ARPM recommendation
- › Over-the-cover crimp solution with B2 fittings
- › Compatible with Campbell air hammer fittings to eliminate cross threading

Tube: Black nitrile
Cover: Blue chlorosulfonated polyethylene
Reinforcement: One-wire braid
Temperature: -40°F to 275°F (-40°C to 135°C)
Couplings: Continental B2 Male NPT, Campbell Air Hammer Couplings

Order Codes:
539-819 (blue)



SAP #	ID		OD		Max. WP		Weight	
Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20177678	3/4	19.1	1.10	27.94	500	3.45	0.14	0.21
20221522	1	25.4	1.42	36.07	500	3.45	0.20	0.30

Hose design ratio (burst pressure) 10:1.
Note: Not designed for steam service. Use Flexsteel® 250 Steam for steam service requirements.



Hydrocarbon Drain Hose® – Hand-Built

Application: This is a heavy-duty hose designed for use in hydrocarbon drain service.

- › Exceeds the ARPM recommendation safety factor
- › 350°F maximum temperature rating

Tube: Black nitrile
Cover: Blue Wingprene®
Reinforcement: Two spiral-plied steel wires

Temperature: -25°F to 350°F (-32°C to 177°C)
Couplings: Campbell Air Hammer Couplings
Order Code: 543-729

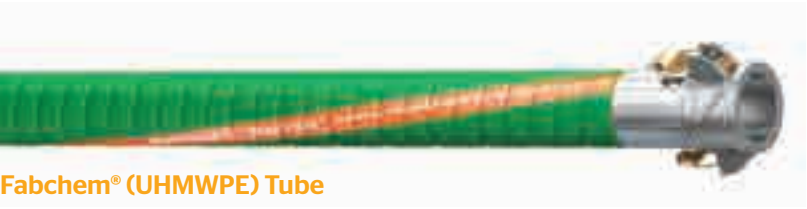
SAP #	ID		OD		Max. WP		Weight	
Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20254919	3/4	19.1	1.33	33.86	300	2.07	0.63	0.94
20467694	1	25.4	1.58	40.14	300	2.07	0.78	1.16
20326679	1½	38.1	2.25	57.2	300	2.07	1.57	2.34
20276441	2	50.8	2.77	70.36	300	2.07	2.01	2.99

Hose design ratio (burst pressure) 8:1.
Note: Not designed for steam service. Use Flexsteel® 250 Steam for steam service requirements.



Chemical

- Atmospheric Distillation
- Vacuum Distillation
- Hydrotreater
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer
- Wastewater
- Utilities



Fabchem® (UHMWPE) Tube

Application: A significant improvement to our chemical hose line, Fabchem® handles the majority of common industrial chemicals in pressure, gravity flow and suction service.

- › Extremely versatile, handling 98% of all chemicals
- › 212°F maximum temperature rating
- › Crimp specs available with Campbell Insta-Lock™ cam & groove couplings
- › Conductive version available: Fabchem®-C

Tube: Ultra-high molecular weight polyethylene (UHMWPE)
Cover: Wrapped green EPDM synthetic rubber with bright orange longitudinal stripe, corrugated
Reinforcement: Spiral-plied synthetic fabric with double wire helix
Temperature: -40°F to 212°F (-40°C to 100°C)

Couplings: Campbell Insta-Lock™, Campbell ChemJoint™
Order Codes:
546-065 (green)
546-533 (purple)
546-555 (blue)
546-498 (conductive)

SAP #				ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
Green	Purple	Blue	Conductive	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20018477		20617876		1/2	12.7	0.95	24.1	200	1.38	3	76	29	737	0.33	0.49
20018478		20959090 20959090		3/4	19.1	1.22	31.0	200	1.38	4	89	29	737	0.46	0.68
20018481	20673999	20936107	20936107	1	25.4	1.47	37.3	200	1.38	4	102	29	737	0.60	0.89
20018485		21102379 21102379		1¼	31.8	1.73	43.9	200	1.38	4	102	29	737	0.73	1.09
20018488	20674040			1½	38.1	1.97	50.0	200	1.38	5	127	29	737	0.84	1.25
20018493	20674041	20936141	20936141	2	50.8	2.55	64.8	200	1.38	6	152	29	737	1.22	1.82
20018496	21088746	21055223	21055223	2½	63.5	3.14	79.8	200	1.38	8	203	29	737	1.78	2.65
20018498	20845788	21093776	20936142	3	76.2	3.63	92.2	200	1.38	9	229	29	737	2.11	3.14
20018502	20845789	21093777		4	101.6	4.67	118.6	200	1.38	10	254	29	737	2.81	4.18

Hose design ratio (burst pressure) 4:1.





Petroleum

- Atmospheric Distillation
- Vacuum Distillation
- Hydrocracker
- Hydrotreater
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer
- Wastewater
- Utilities
- Terminal



ExtremeFlex™ Petroleum Transfer

Application: This hose is an extremely flexible and lightweight drop hose for use in tank truck and in-plant operation to transfer diesel, ethanol, gasoline, oil and petroleum-based products with up to 50% aromatic content. It has a corrugated construction for lower drag coefficient and superior abrasion resistance.

- › Double helix construction provides lightweight construction and extreme flexibility
- › Compatible with a variety of petroleum products, up to 50% aromatics
- › Colored cover abrasion wear indicator layer

Tube: Black nitrile synthetic rubber, ARPM Class A (High Oil Resistance)
Cover: Black Chemivic synthetic (corrugated)
Reinforcement: Spiral-plied synthetic fabric with double wire helix

Temperature: -40°F to 200°F (-40°C to 93°C)
Couplings: Campbell Insta-Lock™
Order Code: 543-216

SAP #	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
Black	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20459042	3/4	19.1	1.20	30.5	250	1.72	.75	19	29	737	0.44	0.65
20459043	1	25.4	1.45	36.8	250	1.72	1	25	29	737	0.55	0.81
20459044	1½	38.1	1.91	48.5	250	1.72	1.5	38	29	737	0.73	1.08
20459045	2	50.8	2.43	61.8	250	1.72	2	51	29	737	0.96	1.43
20459046	2½	63.5	3.00	76.1	200	1.37	2.5	64	29	737	1.41	2.10
20459047	3	76.2	3.50	88.8	200	1.37	3	76	29	737	1.69	2.51
20459048	4	101.6	4.56	115.7	150	1.03	4	101	29	737	2.42	3.61
20546328	6	152.4	6.62	168.4	150	1.03	6	152	29	737	4.43	2.01

Hose design ratio (burst pressure) 4:1.



Flexdock® 225

Application: Flexdock® 225 is built with a corrugated cover to provide flexibility in petroleum transfer service. A variety of tube compounds are available to tailor the chemical and hydrocarbon resistance of the hose to the type of material handled.

- › Corrugated cover to provide flexibility in large bore petroleum transfer service
- › Variety of tube compounds are available to tailor the chemical and hydrocarbon resistance
- › Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170

Tube: Nitrile synthetic rubber for up to 50% aromatics. Also available with a Flosyn® tube for up to 100% aromatics

Cover: Black Wingprene® synthetic cover, corrugated, wrapped finish

Reinforcement: Spiral-plied heavy-duty synthetic fabric with double wire helix

Temperature: -25°F to 200°F (-32°C to 93°C)

Couplings: Standard built-in steel nipple

Order Codes:

541-532 (nitrile tube)

541-534 (Flosyn® tube)

Order Codes	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
541-532-064	2	50.8	2.93	74.5	225	1.55	8.0	203	29	737	2.38	3.54
541-532-107	3	76.2	3.96	100.5	225	1.55	11.0	279	29	737	3.47	5.16
541-532-123	4	101.6	5.25	133.5	225	1.55	15.0	381	29	737	6.19	9.21
541-532-139	5	127.0	6.31	160.4	225	1.55	20.0	508	29	737	7.77	11.57
541-532-155	6	152.4	7.32	185.8	225	1.55	22.0	559	29	737	9.37	13.95
541-532-187	8	203.4	9.41	238.9	225	1.55	30.0	762	29	737	13.64	20.30
541-532-219	10	254.0	11.61	295.0	225	1.55	40.0	1016	29	737	20.29	30.20
541-532-251	12	305.4	13.70	348.0	225	1.55	60.0	1524	29	737	24.87	37.01

Flexdock® 225 Flosyn®

Order Codes	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
541-534-107	3	76.2	3.99	101.3	225	1.55	11.0	279	29	737	3.82	5.69
541-534-123	4	101.6	5.17	131.4	225	1.55	15.0	381	29	737	6.16	9.16
541-534-155	6	152.4	7.31	185.6	225	1.55	22.0	559	29	737	9.94	14.79
541-534-187	8	203.4	9.40	238.7	225	1.55	30.0	762	29	737	14.40	21.42
541-534-219	10	254.0	11.52	292.6	225	1.55	40.0	1016	29	737	20.46	30.44
541-534-251	12	305.4	13.72	348.5	225	1.55	60.0	1524	29	737	26.54	39.49

Hose design ratio (burst pressure) 4:1.

Note: Factory-coupled hose manufactured according to the code of Federal Regulations Standard 33 CFR 154.500 and 33 CFR 156.170.



Nitrogen

- Atmospheric Distillation
- Vacuum Distillation
- Hydrocracker
- Hydrotreater
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer
- Utilities



Nitrogen Service Hose

Application: Nitrogen Service Hose is for in-plant nitrogen service at petrochemical, refineries and general manufacturing.

- › Built specifically for nitrogen service in plant with a temp rating of -40°F to 210°F for excellent durability
- › Specifically formulated compounds to handle nitrogen air in the tube and ozone resistance in the cover for longer life
- › Crimped with Campbell's Bowes/Thor fitting for the safest nitrogen assembly on the market (no cross contamination)

Tube: EPDM synthetic rubber

Cover: Yellow or blue EPDM synthetic rubber

Reinforcement: Four-spiral polyester

Temperature: -40°F to 210°F (-40°C to 99°C)

Couplings: Continental UC Male NPTF, Campbell Bowes/Thor

Order Codes:

569-516 (yellow)

569-562 (blue)

SAP #		ID		Nom. OD		Max. WP		Weight	
Yellow	Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20026847	20315149	3/4	19.1	1.15	29.2	300	2.07	0.42	0.62

Hose design ratio (burst pressure) 4:1.



Air & Water

- Atmospheric Distillation
- Vacuum Distillation
- Hydrocracker
- Hydrotreater *(air only)*
- Coker
- Alkylation
- Isomerization
- FCC Feed Hydrotreater
- Fluid Catalytic Cracker
- Catalytic Reformer
- Tank Farm
- Wastewater
- Utilities



Gorilla®

Application: A premium-quality, multipurpose industrial hose with a wide range of applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry and shipbuilding. All sizes are crush-resistant and rated at 500 psi (3.4 MPa) maximum working pressure. The premium Carbryn™ cover offers the most superior abrasion resistance of air and multipurpose hose. Non-conductive, minimum electrical resistance greater than 1 megohm per inch of hose length at 1000 volts DC.

- › Carbryn™ cover for superior abrasion resistance
- › Highest oil resistance in both tube and cover for long life span
- › Crush-resistant with aramid reinforcement for durability

Tube: Nitrile synthetic rubber, ARPM Class A (High Oil Resistance)

Cover: Yellow Carbryn™ synthetic rubber, ARPM Class A (High Oil Resistance), MSHA approved

Reinforcement: Spiral aramid yarn, 2" is braided synthetic yarn

Temperature: -20°F to 210°F (-29°C to 99°C)

Couplings: Continental UC Male NPTF

Order Codes:

569-035

536-446 (2")

SAP #		ID		Nom. OD		Max. WP		Weight	
Yellow	Blue	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20026239		1/4	6.4	0.61	15.5	500	3.45	0.17	0.25
20026256		3/8	9.5	0.73	18.6	500	3.45	0.22	0.33
20026273		1/2	12.7	0.89	22.6	500	3.45	0.28	0.42
20026289		5/8	15.9	1.06	26.9	500	3.45	0.35	0.52
20026290		3/4	19.1	1.19	30.2	500	3.45	0.41	0.61
20026304		1	25.4	1.50	37.8	500	3.45	0.58	0.86
20026306		1¼	31.8	1.77	45.6	500	3.45	0.79	1.18
20026309		1½	38.1	2.04	51.8	500	3.45	0.86	1.27
20023183		2	50.8	2.62	66.6	500	3.45	1.22	1.82

Hose design ratio (burst pressure) 4:1.





Air & Water

Atmospheric Distillation

Vacuum Distillation

Hydrocracker

Hydrotreater

Coker

Alkylation

Isomerization

FCC Feed Hydrotreater

Fluid Catalytic Cracker

Catalytic Reformer

Tank Farm

Wastewater

Utilities



Frontier®

Application: An economical air and water hose, Frontier® is for a wide range of industrial, construction and agricultural applications. Available in 200 and 300 psi working pressures.

- › Good ozone resistance for longer life
- › Economical hose that can withstand the job and last longer than competitors
- › Available in black, red, yellow, green and blue for full-line dedication and no cross contamination

Tube: EPDM synthetic rubber

Cover: Black, red, yellow, green or blue EPDM synthetic rubber

Reinforcement: Spiral synthetic yarn, 2" is braided

Temperature: -40°F to 210°F (-40°C to 99°C)

Couplings: Continental UC Male NPTF

Order Codes: See charts

Frontier® 200

Order Codes: 536-035 (2" Black), 536-040 (2" Red), 569-009 (Black), 569-011 (Red), 569-038 (Yellow), 569-547 (Blue)

SAP #				ID		Nom. OD		Max. WP		Weight	
Black	Red	Blue	Yellow	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20025544				3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
20025553	20025735	20026919		1/4	6.4	0.50	12.7	200	1.38	0.09	0.13
20025565	20025748	20026920		5/16	7.9	0.58	14.7	200	1.38	0.12	0.18
20025572	20025750	20338093		3/8	9.5	0.67	17.0	200	1.38	0.15	0.22
20025591	20025773	20026921		1/2	12.7	0.81	20.6	200	1.38	0.20	0.30
20025610	20025787	20026923		5/8	15.9	0.97	24.6	200	1.38	0.27	0.40
20025619	20025799	20026925		3/4	19.1	1.12	28.5	200	1.38	0.34	0.51
20025714	20025966	20026928		1	25.4	1.44	36.8	200	1.38	0.54	0.80
20025649	20025826	20736320	20026364	1¼	31.8	1.73	44.0	200	1.38	0.75	1.12
20025655	20025834	20340494		1½	38.1	1.98	50.3	200	1.38	0.86	1.28
20022897	20022939			2	50.8	2.50	63.5	200	1.38	1.16	1.73

Hose design ratio (burst pressure) 4:1.

Frontier® 300

Order Codes: 569-516 (Yellow), 569-557 (Red), 569-560 (Green), 569-559 (Black), 569-562 (Blue)

SAP #				ID		Nom. OD		Max. WP		Weight	
Red	Yellow	Green	Black	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20026960			20026997	1/4	6.4	0.53	13.5	300	2.07	0.10	0.15
20026971	20127382	20761181	20027001	3/8	9.5	0.70	17.8	300	2.07	0.17	0.25
20026980	20127385	20761182	20027003	1/2	12.7	0.84	21.3	300	2.07	0.22	0.33
20026985	20026845	20048519	20183079	3/4	19.1	1.15	29.2	300	2.07	0.37	0.55
20026992	20026859	20048546	20027011	1	25.4	1.48	37.3	300	2.07	0.58	0.86

Hose design ratio (burst pressure) 4:1.

Hose Maintenance and Inspection Guide

Routine maintenance and inspection of hose saves money by reducing the chance of costly repairs and downtime, while increasing the potential for longer hose life. It also ensures a safe work environment and reduces the chance of hazardous spills.

Hose 101 – The Basics

- › Always use the proper hose and coupling selection process (“STAMPED”)
- › Always follow manufacturer assembly instructions
- › Always follow ARPM maintenance and storage guidelines
- › Make sure the hose is properly grounded, if applicable

DAILY INSPECTION CHECKLIST

- ☐ Hose cover damage
- ☐ Stiffness or hardening (i.e., cracking)
- ☐ Changes in hose color
- ☐ Cover blisters or bubbles
- ☐ Kinked, crushed or flattened hose
- ☐ Leakage
- ☐ Exposed or damaged hose reinforcement
- ☐ Movement of the hose from fittings

PERIODIC INSPECTION CHECKLIST

- ☐ Inspect hose tube for hardness, color change, cracks, blisters and erosion
- ☐ Visually inspect for leakage

Note: Never inspect a hose for leaks by running your hands over it while it is under pressure
- ☐ Hydrostatic Pressure Testing
 - a. Always use WATER for pressure testing
 - b. Test at regular intervals
 - c. Essential for hose in hazardous applications
- ☐ Check the hose for electrical continuity if applicable

Achieve The STAR Distributor Status You Deserve

Obtaining STAR Distributor status puts you in an exclusive group. It confirms your status as a distributor who aims higher than others. One that brings an extra level of service to customers and becomes a true partner that provides solutions.

Earning STAR status recognizes that your operation maintains the highest levels of hose assembly standards by providing greater assembly integrity, consistency and traceability. That’s why day after day, a STAR Distributor outshines all others. Contact your Continental CTM to see if you qualify.



SHOP IN A BOX

HOSE ASSEMBLY SOLUTIONS MADE EASY



WHAT'S INCLUDED?

- › PC125-RCD SKIT (1) (includes dies, shelf and calipers)
- › HS150 Hose Saw (1)
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- › SG Insertion Block (1)
- › B2 Insertion Block (1)
- › Paint Markers (4)
- › Fitting Bin (1)
- › Fitting Bin Boxes (2)
- › Work Table (96 x 36 in.)
- › Tape Measure (2)
- › Hose Reel Rack (1)
- › Work Light
- › Continental Air Hose & Nozzle
- › Power Strip
- › CrimpIQ™ Tablet

Shop In A Box is our full turnkey crimping station that becomes your new profit center. It contains a crimper and all the accessories needed to produce premium Continental hydraulic or industrial hose assemblies right in your shop. All you have to do is supply the operator. Choose from four Shop In A Box options for your operation and watch your business grow.

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GET THE MOST UP-TO-DATE SPECIFICATIONS

The **C-IQ Mobile** application provides users with up-to-date specifications to properly crimp Continental hydraulic hose and fittings. Users can search by hose style, coupling style, hose size and crimper. The application contains all the information required to properly set up and crimp the desired hose and fitting.

The new app features the same data you’re accustomed to seeing, but now at your fingertips. And never wonder again if it is the most up-to-date version.

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