

From: [Vernon Uy](#)
To: [Green, Frank;](#)
cc: [Daly, Keith; Peppers, Nicki;](#)
Subject: Contract 8078, Air Hose and Air Hose Fittings Submittals
Date: Thursday, February 03, 2011 10:55:53 AM
Attachments: [CatalogueCutSheet-AirHoseFittings.pdf](#)
[CatalogueCutSheet-AirHoses.pdf](#)
[RAMForm-Airhoses&fittings.pdf](#)
[TransmittalSheet.pdf](#)

Hi Frank.

Attached you'll find the submittals for the air hose and air hose fittings equipment (for the bubble rings): RAM and Catalogue Cut.

Hard copies are in the mail.

Vernon Uy
American Construction Company, Inc.
(425) 870-3217

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Marine Construction Dredging Pile Driving

1501 Taylor Way • Tacoma, Washington 98421

PHONES: Tacoma (253) 254-0118,

Seattle (206) 623-0114,

Fax (253) 254-0155



AMERICAN CONSTRUCTION COMPANY

CONTRACTORS LIC NO. 223-01-AM-ER-IC*372 NO.

DATE February 3, 2011

TO:

Columbia River Crossing Project Office
700 Washington Street, Suite 300
Vancouver, WA 98660

Attn: Frank Green, P.E.

JOB #: MC 02-11

TITLE: Columbia River Bridge Temporary
Pile Test Program (#8078)

THE FOLLOWING ITEMS ARE BEING SENT:

Herewith

Under Separate Cover

Direct

QUANTITY	DESCRIPTION
4 EA	RAM for air hoses and fittings (from TIMCO, Inc.)
4 EA	Catalogue cut of air hoses and fittings (from TIMCO, Inc.)

These items are being sent:

- Per your request
- Please keep us advised of action taken
- For you to process
- For your inspection and approval
- For your general information and file
- For your approval or corrections

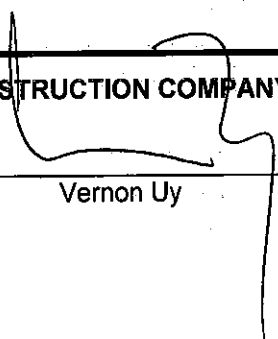
REMARKS:

Please contact us promptly if there is a problem or question

COPY TO:

AMERICAN CONSTRUCTION COMPANY, INC.

BY:


Vernon Uy

AIR &
MULTIPURPOSE
General Purpose
Heavy Duty
Push-on

HORIZON®

Product Specifications

- APPLICATION:** An economical air and water hose, Horizon® is for a wide range of industrial, construction and agricultural applications. Available in 200, 250, and 300 PSI working pressures.
- CONSTRUCTION TUBE:** Versigard® synthetic rubber, RMA Class C (Limited Oil Resistance)
- COVER:** Black, Red, Yellow, Green or Blue Versigard® synthetic rubber
- REINFORCEMENT:** Spiral synthetic yarn, 2" is braided
- TEMPERATURE:** -40°F to 190°F (-40°C to 88°C)
- PACKAGING:**
- | | |
|------------|--|
| 3/16"-3/4" | 500' reels, maximum 3 pieces, 50' increments |
| 1" | 450' reels, maximum 3 pieces, 50' increments |
| 1¼" | 400' reels, maximum 3 pieces, 50' increments |
| 1½" | 300' reels, maximum 3 pieces, 50' increments |
| 2" | 200' cartons, maximum 3 pieces, 50' increments |
- Coupled assemblies available in 1/4", 3/8", 1/2", and 3/4" in red.
- COUPLINGS:** Contact fitting manufacturer for proper fitting recommendation and coupling procedure.
- BRANDING:** Example: 1/2" Horizon® Goodyear® 300 psi WP.
- NON-STOCK/SIZES:** Refer to page 303 for special production run minimum requirements.
- ORDER CODES:** See next page.

Versigard® is a registered trademark of The Goodyear Tire & Rubber Company.

GOODYEAR
ENGINEERED PRODUCTS

AIR & MULTIPURPOSE

AIR & MULTIPURPOSE
 General Purpose
 Heavy Duty
 Push-on

HORIZON® 200

ORDER CODES: 536-035 (2" black) 536-040 (2" red) 569-009 (black)
 569-011 (red) 569-038 (yellow) 569-547 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m
3/16	4.8	0.44	11.2	200	1.38	0.08	0.12
1/4	6.4	0.50	12.7	200	1.38	0.09	0.13
5/16	7.9	0.58	14.7	200	1.38	0.12	0.18
3/8	9.5	0.67	17.0	200	1.38	0.15	0.22
1/2	12.7	0.81	20.6	200	1.38	0.20	0.30
5/8	15.9	0.97	24.6	200	1.38	0.27	0.40
3/4	19.1	1.12	28.5	200	1.38	0.34	0.51
1	25.4	1.44	36.8	200	1.38	0.54	0.80
1 1/4	31.8	1.73	44.0	200	1.38	0.75	1.12
1 1/2	38.1	1.98	50.3	200	1.38	0.86	1.28
2	50.8	2.50	63.5	200	1.38	1.16	1.73

CHEMICAL
TRANSFER

CLEANING
EQUIPMENT

FOOD
Transfer
Washdown

MARINE

MATERIAL
HANDLING
Abrasives
Bulk Transfer
Cement & Concrete

HORIZON® 250

ORDER CODES: 569-010 (black) 569-012 (red) 569-039 (yellow)
 569-506 (green) 569-548 (blue)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m
1/4	6.4	0.53	13.5	250	1.72	0.11	0.16
5/16	7.9	0.59	15.0	250	1.72	0.13	0.19
3/8	9.5	0.70	17.8	250	1.72	0.17	0.25
1/2	12.7	0.84	21.3	250	1.72	0.22	0.33
5/8	15.9	0.98	24.9	250	1.72	0.27	0.40
3/4	19.1	1.14	29.0	250	1.72	0.35	0.52

PETROLEUM
Aircraft Fueling
Dispensing
Dock
Transfer

HORIZON® 300

ORDER CODES: 569-516 (yellow) 569-557 (red) 569-560 (green)

ID		NOM. OD		MAX. WP		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	lb./ft.	kg./m
1/4	6.4	0.53	13.5	300	2.07	0.10	0.15
3/8	9.5	0.70	17.8	300	2.07	0.17	0.25
1/2	12.7	0.84	21.3	300	2.07	0.22	0.33
3/4	19.1	1.15	29.2	300	2.07	0.37	0.55
1	25.4	1.48	37.3	300	2.07	0.58	0.86

SPRAY

STEAM

VACUUM

VEYANCE

WATER
Discharge
Suction &
Discharge
Washdown

WELDING

COUPLING
SYSTEMS

APPENDIX



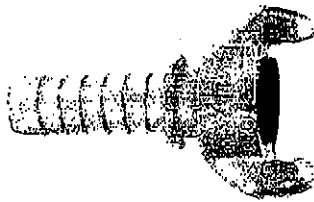
Air Fittings

Air King Universal Couplings



Hose Ends

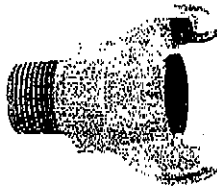
may use with Air King ferrules



Size	Iron			Brass			316 Stainless Steel	
	Part #	Price/E *	Qty	Part #	Price/E *	Qty	Part #	Price/E *
3/8"	AMH	\$9.80	25	ABH	\$31.30	25	RAMH	\$68.95
1/2"	AM1	6.20	50	AB1 ¹	22.30	50	RAM1	55.20
5/8"	AM5	9.15	50	AB5	23.60	50	---	---
3/4"	AM6	6.25	50	AB6 ¹	23.05	50	RAM6	46.60
1"	AM11	8.20	50	AB11 ¹	29.65	50	RAM11	51.55

☰
Air

Male NPT Ends



Size	Iron			Brass			316 Stainless Steel	
	Part #	Price/E *	Qty	Part #	Price/E *	Qty	Part #	Price/E *
1/4"	AMB1	\$9.70	25	ABB1	\$24.15	25	---	---
3/8"	AMB	8.35	25	ABB	29.60	25	RAMB	\$77.00
1/2"	AM2	7.25	50	AB2 ¹	24.30	50	RAM2	54.00
3/4"	AM7	7.45	50	AB7 ¹	24.05	50	RAM7	47.90
1"	AM12	8.25	50	AB12 ¹	24.80	50	RAM12	51.55

Female NPT Ends



Size	Iron			Brass			316 Stainless Steel	
	Part #	Price/E *	Qty	Part #	Price/E *	Qty	Part #	Price/E *
1/4"	AMC1	\$8.65	25	ABC1	\$26.15	25	---	---
3/8"	AMC	8.35	25	ABC	25.75	25	RAMC	\$73.00
1/2"	AM3	7.65	50	AB3 ¹	20.50	50	RAM3	55.20
3/4"	AM8	7.35	50	AB8 ¹	24.30	50	RAM8	47.90
1"	AM13	9.30	50	AB13 ¹	24.80	50	RAM13	54.00

Blank Ends



Part #	Iron		Qty	Brass		Qty	316 Stainless Steel	
	Price/E *	Qty		Part #	Price/E *		Part #	Price/E *
AM0	\$11.90	25	AB0 ¹	\$24.15	25	RAM0	\$50.30	

Triple Connections



Part #	Iron		Qty	Brass		Qty
	Price/E *	Qty		Part #	Price/E *	
AM10	\$21.60	25	AB10 ¹	\$49.50	25	

¹ global investment cast

* Prices for Universal couplings listed above include safety clip (not pictured).

The use of an Air King safety clip or wire type retainer is necessary to ensure Air King universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King safety clip or wire type retainer is required for each Air King universal coupling.

To provide protection against coupling breakage and related hazards, Dixon recommends the use of a whip hose. See page 6 for Whip Hose safety information.

Air King is rated to 150 PSI at ambient temperature (70°F). Standard Air King fittings come with AWR4 rubber washers.

Air King meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D.



Air King is for air and water service only *Warning: Never use any Air King coupling for steam service!*
None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.

