



RAM-0007

Request for Approval of Material

Contract 8078	FA Number _____	SR I-5	Date 2/3/11
Section I-5 Columbia River Bridge (WA 0.3 to OR MP 308)		County WA AND OR states	
Contractor AMERICAN CONSTRUCTION COMPANY, INC.		Subcontractor _____	

This form shall be completed prior to submittal. If this form is not complete at time of submittal it may be returned for information that was omitted.
For assistance in completing, see Instructions and Example

For WSDOT Use Only	
RAM #	7
Bid Item No.	Material or Product/Type
Name and Location of Fabricator, Manufacturer or Pit Number	Specification Reference
PE/QPL Code	Hdqr./QPL Code

2&3	Furnish manifold	TIMCO, Inc.	SPECIAL PROVISIONS		
	for both CONFINED	1926 Port of Tacoma Rd	page 98	8	
	AND UNCONFINED	Tacoma, WA 98421			
	BUBBLE CURTAINS				
2.05					
2.06	AIR HOSES & FITTINGS				
3.05	FOR BUBBLE RINGS				
3.06					

Project Engineer Hecki Peppers for Frank Green	Date 2/3/11	State Materials Engineer	Date
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Acceptance Action Codes for use by Project Engineer and State Materials Laboratory

1. Acceptance Criteria: Acceptance based upon 'Satisfactory' Test Report for samples of materials to be incorporated into project.
 2. Acceptance Criteria: Mfg. Cert. of Compliance for 'Acceptance' prior to use of material.
 3. Acceptance Criteria: Catalog Cuts for 'Acceptance' prior to use of material. Catalog Cut Approved Yes No
 4. Acceptance Criteria: Submit Shop Drawings for 'Approval' prior to fabrication of material.
 5. Acceptance Criteria: Only 'Approved for Shipment', 'WSDOT Inspected' or 'Fabrication Approved Decal' material shall be used.
 6. Acceptance Criteria: Submit Certificate of Materials Origin to Project Engineer Office.
 7. Acceptance Criteria: Request Transmitted to State Materials Laboratory for Approval Action.
 8. Source Approved: _____
 9. Approval Withheld: Submit samples for preliminary evaluation.
 10. Approval Withheld: _____
 11. Miscellaneous Acceptance Criteria.
- Remarks:
- cc: American Construction, Peppers*

Project Engineer Distribution

- Contractor Region Materials
 Region Operations Engineer State Materials Lab
 Fabrication Inspection M/S 47365

State Materials Engineer Distribution

- General File Signing Inspection
 Other

Air Fittings

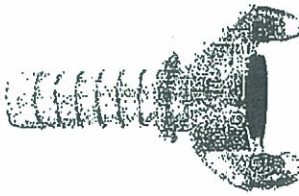
Air King Universal Couplings



CAT-0006

Hose Ends

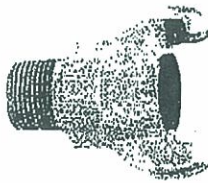
may use with Air King ferrules



Air

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 [†]	22.30	50	RAM1	55.20
5/8"	AM5	9.15	50	AB5	23.60	50	---	---
3/4"	AM6	6.25	50	AB6 [†]	23.05	50	RAM6	46.60
1"	AM11	8.20	50	AB11 [†]	29.65	50	RAM11	51.55

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 [†]	24.30	50	RAM2	54.00
3/4"	AM7	7.45	50	AB7 [†]	24.05	50	RAM7	47.90
1"	AM12	8.25	50	AB12 [†]	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 [†]	20.50	50	RAM3	55.20
3/4"	AM8	7.35	50	AB8 [†]	24.30	50	RAM8	47.90
1"	AM13	9.30	50	AB13 [†]	24.80	50	RAM13	54.00

Blank Ends



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

Triple Connections



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

[†] 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-69553 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.



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:** Verisgard® synthetic rubber, RMA Class C (Limited Oil Resistance)
- COVER:** Black, Red, Yellow, Green or Blue Verisgard® 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 |
| 1 1/4" | 400' reels, maximum 3 pieces, 50' increments |
| 1 1/2" | 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.

Verisgard® 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

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

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

- CHEMICAL TRANSFER
- CLEANING EQUIPMENT
- FOOD Transfer Washdown
- MARINE
- MATERIAL HANDLING
 Abrasives
 Bulk Transfer
 Cement & Concrete
- MINING
- PETROLEUM
 Aircraft Fueling
 Dispensing
 Dock Transfer
- SPRAY
- STEAM
- VACUUM
- VEYANCE
- WATER
 Discharge
 Suction & Discharge
 Washdown
- WELDING
- COUPLING SYSTEMS
- APPENDIX

