

Air King Universal Couplings

AIR HOSE COUPLINGS – This form of energy can be one of the most dangerous because it is used in so many applications and when mishandled, can have more serious results than fluids. Air, as a gas, is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurised air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects. This is why the selection of proper hose and couplings for air-lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose – check it regularly and use safety devices (see King Cable Hose Restraint Section).

Air King universal couplings can be recommended for 10 bar (150psi) working pressure at ambient temperature (21°C / 70°F). It is recommended that an Air King safety clip or wire restrainer is used to avoid accidental disconnection. Also a King cable should be standard practice on the supply end of the hose. Boss or Air King interlocking type bolt clamps should be used and both components of an Air King assembly should be Dixon products standard Air King fittings are fitted with AWR4 washers. Air King is also available to meet MIL spec. WWC-633D.

4-lug King quick-acting couplings may only be used in conjunction with an Air King Safety Clip.

Note: Air King is for Air and Water service only. NEVER use any "AIR KING" for STEAM SERVICE.



MALE NPT END		
PART NO.	SIZE	MATERIAL
AMB1	1/4"	Malleable Iron
AMB	3/8"	Malleable Iron
AM2	1/2"	Investment Cast Carbon Steel
AM7	3/4"	Investment Cast Carbon Steel
AM12	1"	Investment Cast Carbon Steel
ABB1	1/4"	Brass
ABB	3/8"	Brass
AB2	1/2"	Brass
AB7	3/4"	Brass
AB12	1"	Brass
RAM2	1/2"	316 Stainless Steel
RAM7	3/4"	316 Stainless Steel
RAM12	1"	316 Stainless Steel



FEMALE NPT END		
PART NO.	SIZE	MATERIAL
AMC1	1/4"	Malleable Iron
AMC	3/8"	Malleable Iron
AM3	1/2"	Investment Cast Carbon Steel
AM8	3/4"	Investment Cast Carbon Steel
AM13	1"	Investment Cast Carbon Steel
ABC1	1/4"	Brass
ABC	3/8"	Brass
AB3	1/2"	Brass
AB8	3/4"	Brass
AB13	1"	Brass
RAM3	1/2"	316 Stainless Steel
RAM8	3/4"	316 Stainless Steel
RAM13	1"	316 Stainless Steel



"AIR KING" BLANK CAP

PART NO.	MATERIAL
AM0	Investment Cast Carbon Steel
AB0	Brass
RAM0	316 Stainless Steel



"AIR KING" TRIPLE CONNECTOR

PART NO.	MATERIAL
AM10	Investment Cast Carbon Steel
AB10	Brass



"AIR KING" UNIVERSAL SWIVELS

PART NO.	SIZE
AM2SWIV	1/2" Male NPT
AM6SWIV	3/4" Hose End
AM7SWIV	3/4" Male NPT
AM8SWIV	3/4" Female NPT



SAFETY CLIPS

PART NO.	DESCRIPTION
	SAFETY CLIPS
AC1	(In bags of 25)
	Same size for all coupling sizes



SAFETY CLIPS

PART NO.	DESCRIPTION
	STAINLESS STEEL CLIPS
AC7	Same size for all coupling sizes



LANYARDS

PART NO.	DESCRIPTION
LR7	Stainless Steel
ACL8	Synthetic Cord (In bags of 25)
	Same size for all coupling sizes



"AIR KING" CLAMPS

PART NO.	SIZE	OD. RANGE	TORQUE (FT.LBS)
CD	3/8"	17.5 - 22.2	6
A4	1/2"	25.4 - 30.1	6
A9	3/4"	28.6 - 33.3	12
A10*	1"	33.3 - 38.1	12
A14	1"	38.1 - 46.4	21

Torque values for clamps are based on "Dry Bolts". The use of lubricant on bolts will adversely effect clamp performance. *Can be used with AM6 and AM11 Couplings.



"AIR KING" WITH FERRULES

PART NO.	SIZE	OD. RANGE	MATERIAL
AM1WF	1/2"	21.4 - 23.0	Malleable Iron
AM6WF	3/4"	26.9 - 34.1	Malleable Iron
AM11WF-1	1"	32.5 - 38.8	Malleable Iron
AM11WF	1"	37.3 - 43.6	Malleable Iron
RAM6WF	3/4"	26.9 - 34.1	Stainless Steel



"KING" 4 LUG QUICK-ACTING HOSE END COUPLINGS

PART NO.	SIZE	MATERIAL
AM16	1 1/4"	Malleable Iron
AM21	1 1/2"	Malleable Iron
AM26	2"	Malleable Iron
AB16	1 1/4"	Brass
AB21	1 1/2"	Brass
AB26	2"	Brass

Must be used in conjunction with an "Air King" safety clip.



"KING" QUICK-ACTING FEMALE NPT END COUPLINGS

PART NO.	SIZE	MATERIAL
AM18	1 1/4"	Malleable Iron
AM23	1 1/2"	Malleable Iron
AM28	2"	Malleable Iron
AB18	1 1/4"	Brass
AB23	1 1/2"	Brass
AB28	2"	Brass



WASHERS for 4-LUG

PART NO.
AWR 14
Fits All Sizes

WASHERS for 2-LUG

PART NO.	DESCRIPTION
AWR4*	Black Natural Rubber
AWS6*	Neoprene

*Sold only in bags of 50.



HOSE END

PART NO.	SIZE	MATERIAL
AMH	3/8"	Malleable Iron
AM1*	1/2"	Investment Cast Carbon Steel
AM5	5/8"	Malleable Iron
AM6*	3/4"	Investment Cast Carbon Steel
AM11*	1"	Investment Cast Carbon Steel
ABH	3/8"	Brass
AB1*	1/2"	Brass
AB5	5/8"	Brass
AB6*	3/4"	Brass
AB11*	1"	Brass
RAM1	1/2"	316 Stainless Steel
RAM6	3/4"	316 Stainless Steel
RAM11	1"	316 Stainless Steel

*These hose ends can now be crimped using the ferrules below.



CRIMP FERRULES

PART NO.	SIZE	HOSE OD (INCH)	MATERIAL
CCF0906	1/2"	0.8438	Carbon Steel
CCF0906	1/2"	0.8594	Carbon Steel
CCF0906	1/2"	0.8750	Carbon Steel
CCF1120	3/4"	1.0781	Carbon Steel
CCF1120	3/4"	1.0938	Carbon Steel
CCF1149	3/4"	1.1094	Carbon Steel
CCF1149	3/4"	1.1250	Carbon Steel
CCF1190	3/4"	1.1406	Carbon Steel
CCF1190	3/4"	1.1563	Carbon Steel
CCF1218	3/4"	1.1719	Carbon Steel
CCF1218	3/4"	1.1875	Carbon Steel
CCF1246	3/4"	1.2031	Carbon Steel
CCF1246	3/4"	1.2188	Carbon Steel
CCF1277	3/4"	1.2344	Carbon Steel
CCF1277	3/4"	1.2500	Carbon Steel
CCF1430	1"	1.3906	Carbon Steel
CCF1430	1"	1.4063	Carbon Steel
CCF1469	1"	1.4219	Carbon Steel
CCF1469	1"	1.4375	Carbon Steel
CCF1500	1"	1.4531	Carbon Steel
CCF1500	1"	1.4688	Carbon Steel
CCF1530	1"	1.4844	Carbon Steel
CCF1530	1"	1.5000	Carbon Steel