

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