

HK Series (Steel) ISO 7241-1 B Interchange



Eaton's HK Series coupling sets the industry standard for ISO B Couplings. The HK Series features a rugged ball latch mechanism with automatic self-sealing poppet valves in a wide array of port configurations and multiple valved and non-valved configurations.

Product Features

- Meets dimensional requirements to ISO standard 7241-1 Series B
- The coupling that sets the industry standard
- Self-sealing poppet valve design provides excellent high and low pressure sealing
- Standard seal material: Buna-N
- Seal options available in PTFE, Neoprene, FKM, EPDM, and Kalrez®
- Standard body material: Zinc trivalent plated steel with stainless steel springs, balls and retaining rings.
- PTFE back up rings in sockets (females)

Physical Characteristics

Series	Body Size	ISO Size	Nominal Flow Diameter	Max. Operating Pressure		Rated Flow*		Air Inclusion	Fluid Loss
				Non hazardous liquids & gases Group 2	Hazardous liquids & gases Group 1				
	(in)	(mm)	(mm)	(bar)	(psi)	(bar)	(psi)	lpm	gpm
1HK	1/8	5	4.4	275	4,000	275	4,000	3	0.8
2HK	1/4	6.3	5.9	345	5,000	345	5,000	12	3
3HK	3/8	10	7.9	275	4,000	275	4,000	23	6
4HK	1/2	12.5	10	345	5,000	345	5,000	45	12
6HK	3/4	20	17	275	4,000	275	4,000	102	26
8HK	1	25	19.6	275	4,000	275	4,000	189	50
10HK	1 1/8**	—	25.7	200	2900	27	537	288	76
12HK	1 1/2	40	35.1	150	2175	23	421	375	98
20HK	2 1/2	50	45	100	1450	21	305	75.7	200

* For questions related to vacuum please contact Eaton.

** No ISO Standard available for the 10HK.

Applications & Markets

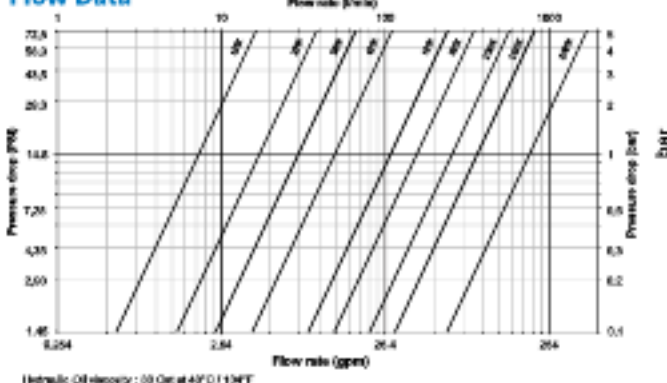
- Agriculture
- Hydraulic Tool
- General Industry
- Construction
- Fluid Transfer
- Transportation
- Military
- Law Enforcement/Rescue
- Chemical
- Oil and Gas
- Consumer Products
- HVAC
- Food and Beverage
- Trucks
- Aerospace
- Medical

European Pressure Equipment Directive

Couplings with nominal diameters up to and including 25 mm are designed and manufactured under Article 3.3 of the European Pressure Equipment Directive 97/23 EC. Couplings with nominal diameters greater than 25 mm are designed and manufactured in accordance with stipulations of Module A of the European Pressure Equipment Directive 97/23 EC. They should not be used to convey unstable gases.

Group 1 = Hazardous media / Group 2 = Other media

Flow Data



Seal Elastomer Data*

Seal Elastomer**	Max. Operation Temperature Range
Buna-N	-40°C to +121°C / -40°F to +250°F
Neoprene	-54°C to +100°C / -65°F to +212°F
EPDM	-54°C to +149°C / -65°F to +300°F
FKM	-23°C to +204°C / -15°F to +400°F

* For reference only, based on Eaton recommended temperatures.

** For seals not listed contact Eaton.

Contact Eaton technical support for further information on fluid compatibility.