

Danfoss Hansen® Quick disconnect couplings

Introducing the Danfoss Hansen aluminium flat face ADB coupling

Developed for cooling systems in electric applications with circulating water and antifreeze fluids. This coupling provides an enhanced solution to prevent spillage of cooling agent which can cause technical failures, system shutdowns, and difficult clean-ups.

Aluminium Flat Face ADB coupling offers no-spill, flat-face design, and high reliability

Endurance to exposure

Aluminium construction extends life for safer operations and reduced maintenance



Flat Face aluminium (ADB) coupling is light weight and strong, providing resistance to environmental exposure, pressure and mechanical stress.

It is designed to extend the life of the coupling, minimizing spill risk in critical electric cooling applications, offering end users reduced maintenance, and safer operations.

Safe connection

Aluminium construction enhances operations in demanding applications with heat and vibration compared to plastic couplings





Optimal to be used in environments with vibration and heat exposure.

It connects with a 4-times safety factor at maximum operating pressure of 25 bar.

Options are available for railway applications with an enhanced version for vibration resistance tested according to EN 61373.

High flow rates

Up to 62% higher flow than ISO 16028 requirements to improve efficiency



Higher pressure rate from 29% to 62% compared to ISO 16028 requirements, reducing pressure drops and increasing cooling system efficiency.





- Pre-guided system that helps users pre-position the coupling in difficult environments, making connection easy and reducing maintenance time.
- Full range of optional seals, end connections, and sizes helping manufacturers benefit from the design in any type of application.
- Due to the aluminium material, ADB couplings are available in a variety of color coding options, and can be anodized in colors such as red, blue and even in gold, aiding assembly and field maintenance processes.

ISO size	Body size	Normal Flow Diameter	Max. Operating Pressure		Rating* Flow
(mm)	(in)	(mm)	(bar)	(psi)	(lpm)
6.3	1/4"	5.9	25	360	360
10	3/8"	9	25	360	360
12.5	1/2"	11.5	25	360	360
19	3/4"	15	25	360	360
25	1"	18.5	25	360	360
	(mm) 6.3 10 12.5	(mm) (in) 6.3 1/4" 10 3/8" 12.5 1/2" 19 3/4"	(mm) (in) (mm) 6.3 1/4" 5.9 10 3/8" 9 12.5 1/2" 11.5 19 3/4" 15	(mm) (in) (mm) (bar) 6.3 1/4" 5.9 25 10 3/8" 9 25 12.5 1/2" 11.5 25 19 3/4" 15 25	(mm) (in) (mm) (bar) (psi) 6.3 1/4" 5.9 25 360 10 3/8" 9 25 360 12.5 1/2" 11.5 25 360 19 3/4" 15 25 360

^{*} Indicated values refer to a 1 bar/14.5 psi pressure drop

ENGINEERING TOMORROW



Danfoss Power Solutions, Nordborgvej 81, 6430 Nordborg, Denmark, Tel. +45 74 88 22 22, Fax +45 74 65 25 80 www.danfoss.com, E-mail: info@danfoss.com

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice.

This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.