



REAL HYDROFIT & CO.[®]

ALL TYPES OF FLEXIBLE HOSES/FITTINGS & ENGINEERING/PRODUCTS
EXPORTERS & IMPORTERS

CAMLOCK COUPLINGS

BUILT FOR STRENGTH. ENGINEERED FOR RELIABILITY.



SS

STAINLESS STEEL
(SS 316)

MS

MILD STEEL

BRASS

PREMIUM BRASS

PP

POLYPROPYLENE



CHEMICAL



PHARMACEUTICAL



OIL & GAS



FOOD & BEVERAGE



AGRICULTURE



MARINE



QUICK CONNECT
& DISCONNECT



LEAK PROOF
SEAL



WIDE RANGE
OF SIZES



BUILT FOR
INDUSTRIAL USE



9869078630 / 9167921882



www.realhydrofit.com



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CAMLOCK COUPLING – TECHNICAL DATA

SIZE DN	SS		BR		AL		PP	
	Bar	Psi	Bar	Psi	Bar	Psi	Bar	Psi
DN 15	16	225	16	225	16	225	6	87
DN 20	18	250	18	250	16	225	6	87
DN 25	18	250	18	250	18	250	6	87
DN 32	18	250	18	250	18	250	6	87
DN 40	18	250	18	250	18	250	6	87
DN 50	18	250	18	250	18	250	6	87
DN 65	16	225	16	225	16	225	6	87
DN 80	14	220	9	150	9	125	6	87
DN 100	7	100	7	100	7	100	6	87
DN 125	7	100	5	75	5	75	3	50
DN 150	7	100	5	75	5	75	3	50
DN 200	5	75	5	75	5	75	3	50



QUICK & EASY
CONNECTION



LEAK PROOF
DESIGN



DURABLE &
CORROSION RESISTANT



SUITABLE FOR WIDE
APPLICATIONS



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CAMLOCK COUPLING

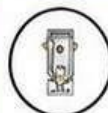
QUICK • SAFE • RELIABLE

A Camlock Coupling, also known as a Cam & Groove Coupling, is a quick-connect hose coupling designed to connect and disconnect hoses and pipelines without using tools.

It consists of a male adapter (plug) and a female coupler (socket) with two cam arms that lock the adapter securely in place.

Camlock couplings are widely used for transferring liquids, powders, chemicals, petroleum products, food products, water, and dry bulk materials, and complete fluid transfer

WORKING PRINCIPLE



1. INSERT

Insert the male adapter into the female coupler.



2. CLOSE CAM ARMS

Close both cam arms.



3. SECURE SEAL

The cam arms compress the gasket to create a leak-tight seal.



4. DISCONNECT

To disconnect, lift both cam arms and pull the adapter out.

MATERIALS AVAILABLE



STAINLESS STEEL SS304



STAINLESS STEEL SS316



ALUMINIUM



BRASS



POLYPROPYLENE (PP)



NYLON

GASKET MATERIALS



NBR (BUNA-N)

Good resistance to oil, fuel, and hydraulic fluids.



EPDM

Excellent for water, steam, and mild chemicals.



VITON (FKM)

High temperature and excellent chemical resistance.



PTFE (ENVELOPE)

Superior chemical resistance, suitable for aggressive media.



SILICONE

Excellent for high and low temperature applications.



NEOPRENE

Good for general purpose and mild chemicals.



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CONTACT

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WEBSITE

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ALL TYPES CAMLOCK COUPLING

STANDARD CAMLOCK TYPES



A

TYPE A

MALE ADAPTER
X FEMALE BSP / NPT



B

TYPE B

FEMALE COUPLER
X MALE BSP / NPT



C

TYPE C

FEMALE COUPLER
X HOSE SHANK



D

TYPE D

FEMALE COUPLER
X FEMALE BSP / NPT



E

TYPE E

FEMALE COUPLER
X MALE NPT



F

TYPE F

MALE ADAPTER
X MALE BSP / NPT

CAPS, PLUGS & THREAD ADAPTERS



DC

TYPE DC

DUST CAP
FOR TYPE ADAPTER



DP

TYPE DP

DUST PLUG
FOR TYPE COUPLER



BSP

BSP THREAD
COUPLING



NPT

NPT THREAD
COUPLING



HOSE SHANK

HOSE SHANK
COUPLING



M x F

MALE X FEMALE
ADAPTER

ELBOWS, TEES & ACCESSORIES



90° ELBOW

90° ELBOW
CAMLOCK



45° ELBOW

45° ELBOW
CAMLOCK



T TYPE

T TYPE
COUPLING



REDUCER

REDUCER
COUPLING



SAFETY CLIP

SAFETY CLIP
WITH CAM ARM



LOCK PIN

LOCK PIN
FOR CAM ARM

FLANGE ATTACHED CAMLOCKS



FLANGE ATTACHED
TYPE B
(FEMALE COUPLER)
X MALE BSP / NPT



FLANGE ATTACHED
TYPE C
(FEMALE COUPLER)
X HOSE SHANK



FLANGE ATTACHED
TYPE D
(FEMALE COUPLER)
X FEMALE BSP / NPT



FLANGE ATTACHED
TYPE E
(FEMALE COUPLER)
X MALE NPT



FLANGE ATTACHED
TYPE A
(MALE ADAPTER)
X FEMALE BSP / NPT



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ALL TYPES CAMLOCK COUPLING

★★★ COMPLETE PRODUCT RANGE & TECHNICAL INFORMATION ★★★

01 STANDARD CAMLOCK TYPES (TOP ROW)

- A** Type A: Male adapter with a female BSP or NPT thread.
- B** Type B: Female coupler with a male BSP or NPT thread.
- C** Type C: Female coupler with a hose shank (barb) for hose insertion.
- D** Type D: Female coupler with a female BSP or NPT thread.
- E** Type E: Female coupler with a male NPT thread (or hose shank variation depending on specific charts).
- F** Type F: Male adapter with a male BSP or NPT thread.



02 CAPS, PLUGS & THREAD ADAPTERS (SECOND ROW)

- DC** DC: Dust Cap used to seal off a male adapter when not in use.
- DP** DP: Dust Plug used to seal off a female coupler when not in use.
- BSP** BSP: Specific threaded couplings matching British Standard Pipe (BSP).
- NPT** NPT: Specific threaded couplings matching National Pipe Tapered (NPT).
- HS** Hose Shank: Standard barbed connection for flexible hoses.
- M x F** M x F: Male by female thread adapters.



KEY FEATURES

- ✓ Quick connect and disconnect without tools
- ✓ Leak-resistant design with precision machining
- ✓ Manufactured from high quality materials
- ✓ Available in sizes from ½" to 6"
- ✓ Interchangeable with most international standards
- ✓ Corrosion resistant and long service life
- ✓ Suitable for wide range of industrial applications

03 ELBOWS, TEES & ACCESSORIES (THIRD ROW)

- 90°** 90° Elbow: Angled configurations for tight spaces or routing changes.
- 45°** 45° Elbow: Angled configurations for smooth flow direction change.
- T** T Type: A 3-way T-shaped camlock splitter.
- R** Reducer: Connects two different sizes of pipes or hoses together.
- SC** Safety Clip: Mechanical locking mechanisms to prevent the cam arms from accidentally opening during fluid transfer.
- LP** Lock Pin: Additional locking mechanism to prevent accidental opening of cam arms.



APPLICATIONS

- Chemical Processing
- Agriculture & Irrigation
- Oil & Gas Industry
- Marine & Shipping
- Water Treatment Plants
- Fire Fighting Systems
- Food & Beverage
- Mining Industry
- Pharmaceutical Industry
- Industrial Fluid Transfer



DEFENCE



AEROSPACE

04 FLANGE ATTACHED CAMLOCKS (BOTTOM ROW)

Flange Attached Type A, B, C, D, E Camlocks combine the convenience of a quick-connect camlock coupling with a standard bolt-hole flange. These variants feature a standard bolt-hole flange on one side, allowing the quick-disconnect camlock system to bolt directly onto industrial flanged piping networks, tanks, or valves.



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INDUSTRIES WE SERVE



**CHEMICAL
PROCESSING
INDUSTRIES**



**PETROLEUM &
OIL TRANSFER**



**WATER TREATMENT
PLANTS**



**FOOD & BEVERAGE
PROCESSING**



**PHARMACEUTICAL
INDUSTRY**



**AGRICULTURE &
IRRIGATION**



**MARINE & OFFSHORE
APPLICATIONS**



**FIRE FIGHTING
SYSTEMS**



**MINING
INDUSTRY**



**CEMENT & BULK
MATERIAL HANDLING**



**INDUSTRIAL FLUID
TRANSFER SYSTEMS**



**VARIOUS GENERAL
INDUSTRIAL
APPLICATIONS**



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GST NO: 27ADUPM0382L12X

