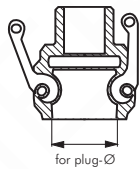


Camlock couplings



for plug-Ø

Camlock couplings

MIL-C-27487

Temperature range: -10°C to max. +80°C

- Advantages:** • Full throughway • Low pressure loss • Also suitable for solid materials, as there are no int. valves
• Dimensions globally standardised according to MIL-C-27487

Materials:

Body	Seal	Handles	Rings, safety pins, chains
Stainless steel AISI 316	NBR	Stainless steel	Stainless steel
Polypropylene	EPDM*	Stainless steel	Stainless steel
Brass	NBR	Brass	Stainless steel
Aluminium	NBR	Stainless steel	Zinc-plated steel

* 1/4" (plug Ø 45 mm): NBR

Operating pressure:

	1/2"	3/4" - 2"	2 1/2"	3"	4"	5" - 6"
Stainless steel AISI 316	11 bar	18 bar	16 bar	14 bar	7 bar	7 bar
Polypropylene (+40°C)	---	6 bar	6 bar	6 bar	6 bar	---
Brass & aluminium	11 bar	18 bar	11 bar	9 bar	7 bar	5 bar

Camlock couplings sockets with male threads

Type B

Type AISI 316	Type polypropylene ¹⁾	Type brass	Type aluminium	Thread	DN	For plug Ø
				R 1/2"	15 (1/2")	25
				R 3/4"	20 (3/4")	32
				R 1"	25 (1")	37
				R 1 1/4"	32 (1 1/4")	45
				R 1 1/2"	40 (1 1/2")	53
				R 1 3/4"	40 (1 3/4")	53
				R 2"	50 (2")	63
				R 2 1/2"	60 (2 1/2")	76
				R 3"	75 (3")	92
				R 4"	90 (4")	120
				R 5"	120 (5")	145
				R 6"	140 (6")	175

Camlock couplings sockets with female threads

Type D

Type AISI 316	Type polypropylene ¹⁾	Type brass	Type aluminium	Thread	DN	For plug Ø
				Rp 1/2"	15 (1/2")	25
				Rp 3/4"	20 (3/4")	32
				Rp 1"	25 (1")	37
				Rp 1 1/4"	32 (1 1/4")	45
				Rp 1 1/2"	40 (1 1/2")	53
				Rp 1 3/4"	40 (1 3/4")	53
				Rp 2"	50 (2")	63
				Rp 2 1/2"	60 (2 1/2")	76
				Rp 3"	75 (3")	92
				Rp 4"	90 (4")	120
				Rp 5"	120 (5")	145
				Rp 6"	140 (6")	175

Camlock couplings sockets with hose nozzles

Type C

Type AISI 316	Type polypropylene ¹⁾	Type brass	Type aluminium	Hose Ø internal	DN	For plug Ø
				13	15 (1/2")	25
				19	20 (3/4")	32
				25	25 (1")	37
				32	32 (1 1/4")	45
				32	40 (1 1/2")	53
				38	40 (1 1/2")	53
				50	50 (2")	63
				63	60 (2 1/2")	76
				75	75 (3")	92
				100	90 (4")	120
				127	120 (5")	145
				150	140 (6")	175

Camlock couplings End caps for quick action chucks

Type DC

Type AISI 316	Type polypropylene ¹⁾	Type brass	Type aluminium	Size	DN	For plug Ø
				1/2"	15 (1/2")	25
				3/4"	20 (3/4")	32
				1"	25 (1")	37
				1 1/4"	32 (1 1/4")	45
				1 1/2"	40 (1 1/2")	53
				2"	50 (2")	63
				2 1/2"	60 (2 1/2")	76
				3"	75 (3")	92
				4"	90 (4")	120
				5"	120 (5")	145
				6"	140 (6")	175

¹⁾ For liquids, please use your preferred stainless steel, brass or aluminium. ²⁾ Plug Ø 53 mm with reduced connection. This does not comply with the standard! ³⁾ Four hand levers. ⁴⁾ Without safety pin. ⁵⁾ One hand lever without safety pin.

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.

Camlock couplings

<i>Camlock couplings chucks with male threads</i>				Type F		
Type	Type	Type	Type	Thread	DN	Plug Ø
AISI 316	polypropylene ¹⁾	brass	aluminium	R 1/2"	15 (1/2")	25
				R 3/4"	20 (3/4")	32
				R 1"	25 (1")	37
				R 1 1/4"	32 (1 1/4")	45
				R 1 1/4"	40 (1 1/2")	53
				R 1 1/2"	40 (1 1/2")	53
				R 2"	50 (2")	63
				R 2 1/2"	60 (2 1/2")	76
				R 3"	75 (3")	92
				R 4"	90 (4")	120
				R 5"	120 (5")	145
				R 6"	140 (6")	175



<i>Camlock couplings chucks with female threads</i>				Type A		
Type	Type	Type	Type	Thread	DN	Plug Ø
AISI 316	polypropylene ¹⁾	brass	aluminium	Rp 1/2"	15 (1/2")	25
				Rp 3/4"	20 (3/4")	32
				Rp 1"	25 (1")	37
				Rp 1 1/4"	32 (1 1/4")	45
				Rp 1 1/4"	40 (1 1/2")	53
				Rp 1 1/2"	40 (1 1/2")	53
				Rp 2"	50 (2")	63
				Rp 2 1/2"	60 (2 1/2")	76
				Rp 3"	75 (3")	92
				Rp 4"	90 (4")	120
				Rp 5"	120 (5")	145
				Rp 6"	140 (6")	175



<i>Camlock couplings chucks with female threads for IBC containers</i>				Type A		
Type				Thread	DN	Plug Ø
polypropylene				S60x6 (FT)	25 (1")	37
				S100x8 (FT)	25 (1")	37
				S60x6 (FT)	50 (2")	63
				S100x8 (FT)	50 (2")	63



<i>Camlock couplings chucks with hose nozzles</i>				Type E		
Type	Type	Type	Type	Hose	DN	Plug Ø
AISI 316	polypropylene ¹⁾	brass	aluminium	Ø internal		
				13	15 (1/2")	25
				19	20 (3/4")	32
				25	25 (1")	37
				32	32 (1 1/4")	45
				32	40 (1 1/2")	53
				38	40 (1 1/2")	53
				50	50 (2")	63
				63	60 (2 1/2")	76
				75	75 (3")	92
				100	90 (4")	120
				125	120 (5")	145
				150	140 (6")	175



<i>Camlock couplings valved plugs for quick coupling sockets</i>				Type DP		
Type	Type	Type	Type	Size	DN	Plug Ø
AISI 316	polypropylene ¹⁾	brass	aluminium	1/2"	15 (1/2")	25
				3/4"	20 (3/4")	32
				1"	25 (1")	37
				1 1/4"	32 (1 1/4")	45
				1 1/2"	40 (1 1/2")	53
				2"	50 (2")	63
				2 1/2"	60 (2 1/2")	76
				3"	75 (3")	92
				4"	90 (4")	120
				5"	120 (5")	145
				6"	140 (6")	175

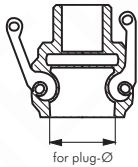


¹⁾ For liquids please preferably use stainless steel, brass or aluminium.

²⁾ Plug Ø 53 mm with reduced connection. This does not comply with the standard!

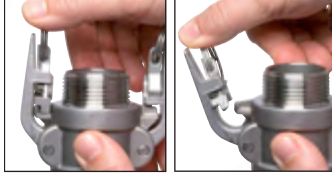
All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.

Camlock couplings with safety locks



for plug-Ø

Only to be opened by manual unlocking



Camlock couplings with safety locks

MIL-C-27487

Function: A safety rapid locking mechanism integrated in the hand levers locks the coupling in the coupled state and this is fully automatic. The coupling can only be opened by manually unlocking the safety lever (2 1/2" and 6" with unlocking pins). All quick action chucks (conforming to the MIL-C-27487 standard) can be used as plugs.

Materials: Body: Stainless steel AISI 316, seal: NBR, handle, ring and chain: Stainless steel

Temperature range: -10°C to max. +80°C

- Advantages:**
- Coupling is automatically locked in coupled condition
 - Safety pins cannot get lost
 - Full throughway
 - Low pressure loss
 - Also suitable for solid materials, as there are no internal valves
 - Dimensions globally standardised according to MIL-C-27487



INOX

Camlock coupling sockets with safety locks and male threads

Type B

Type	Thread	DN	For plug Ø	PN
AISI 316	R 1"	25 (1")	37	16 bar
	R 1 1/4"	32 (1 1/4")	45	16 bar
	R 1 1/2"	40 (1 1/2")	53	16 bar
	R 2"	50 (2")	63	16 bar
	R 2 1/2"	60 (2 1/2")	76	16 bar
	R 3"	75 (3")	92	14 bar
	R 4"	90 (4")	120	7 bar
	R 6"	140 (6")	175	7 bar



INOX

Camlock coupling sockets with safety locks and female threads

Type D

Type	Thread	DN	For plug Ø	PN
AISI 316	Rp 1"	25 (1")	37	16 bar
	Rp 1 1/4"	32 (1 1/4")	45	16 bar
	Rp 1 1/2"	40 (1 1/2")	53	16 bar
	Rp 2"	50 (2")	63	16 bar
	Rp 2 1/2"	60 (2 1/2")	76	16 bar
	Rp 3"	75 (3")	92	14 bar
	Rp 4"	90 (4")	120	7 bar
	Rp 6"	140 (6")	175	7 bar



INOX

Camlock coupling sockets with safety locks and hose nozzles

Type C

Type	Hose Ø internal	DN	For plug Ø	PN
AISI 316	25	25 (1")	37	16 bar
	32	32 (1 1/4")	45	16 bar
	38	40 (1 1/2")	53	16 bar
	50	50 (2")	63	16 bar
	63	60 (2 1/2")	76	16 bar
	75	75 (3")	92	14 bar
	100	90 (4")	120	7 bar
	150	140 (6")	175	7 bar



INOX

Camlock coupling end caps with safety locks for quick action chucks

Type DC

Type	Size	DN	For plug Ø	PN
AISI 316	1"	25 (1")	37	16 bar
	1 1/4"	32 (1 1/4")	45	16 bar
	1 1/2"	40 (1 1/2")	53	16 bar
	2"	50 (2")	63	16 bar
	2 1/2"	60 (2 1/2")	76	16 bar
	3"	75 (3")	92	14 bar
	4"	90 (4")	120	7 bar
	6"	140 (6")	175	7 bar

Camlock couplings EN 14420-7 (DIN 2828)

Camlock couplings

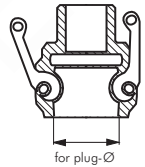
EN 14420-7 (DIN 2828)

Materials: Body: Stainless steel AISI 316, seal: NBR, handle, ring: Stainless steel (female thread is equipped with PTFE flat seals)

Temperature range: -10°C to max. +80°C

- Advantages:**
- Full throughway
 - Low pressure loss
 - Also suitable for solid materials, as there are no internal valves
 - Compatible with plugs/sockets according to MIL-C-27487

The EN couplings only differ with regard to the version of the female thread and hose connection for standard couplings. They are completely compatible with standard couplings in accordance with MIL-C-27487.

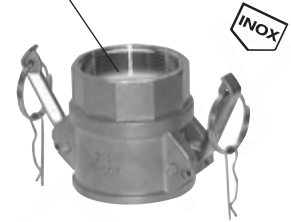


Camlock couplings sockets with female threads, EN 14420-7 (DIN 2828)

Type D

Type	Thread	DN	For plug Ø	PN
AISI 316	G 3/4"	20 (3/4")	32	18 bar
	G 1"	25 (1")	37	18 bar
	G 1 1/4"	32 (1 1/4")	45	18 bar
	G 1 1/2"	40 (1 1/2")	53	18 bar
	G 2"	50 (2")	63	18 bar
	G 2 1/2"	60 (2 1/2")	76	16 bar
	G 3"	75 (3")	92	14 bar
	G 4"	90 (4")	120	7 bar

female thread with PTFE-flat seal



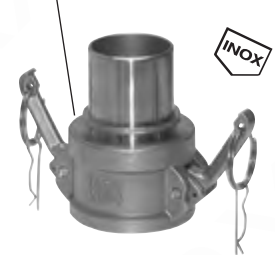
Camlock couplings sockets with hose nozzles, EN 14420-7 (DIN 2828)

Type C

Hose assembly is done using shell hose clamps EN 14420-3 (DIN 2817) (see page 239)

Type	Hose Ø internal	DN	For plug Ø	PN
AISI 316	19	20 (3/4")	32	18 bar
	25	25 (1")	37	18 bar
	32	32 (1 1/4")	45	18 bar
	38	40 (1 1/2")	53	18 bar
	50	50 (2")	63	18 bar
	63	60 (2 1/2")	76	16 bar
	75	75 (3")	92	14 bar
	100	90 (4")	120	7 bar

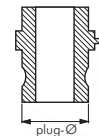
Safety clamps



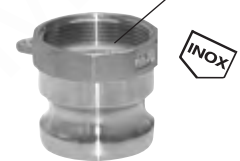
Camlock couplings chucks with female threads, EN 14420-7 (DIN 2828)

Type A

Type	Thread	DN	Plug Ø	PN
AISI 316	G 3/4"	20 (3/4")	32	18 bar
	G 1"	25 (1")	37	18 bar
	G 1 1/4"	32 (1 1/4")	45	18 bar
	G 1 1/2"	40 (1 1/2")	53	18 bar
	G 2"	50 (2")	63	18 bar
	G 2 1/2"	60 (2 1/2")	76	16 bar
	G 3"	75 (3")	92	14 bar
	G 4"	90 (4")	120	7 bar



female thread with PTFE-flat seal



Camlock couplings chucks with hose nozzles, EN 14420-7 (DIN 2828)

Type E

Hose assembly is done using shell hose clamps EN 14420-3 (DIN 2817)

Type	Hose Ø internal	DN	Plug Ø	PN
AISI 316	19	20 (3/4")	32	18 bar
	25	25 (1")	37	18 bar
	32	32 (1 1/4")	45	18 bar
	38	40 (1 1/2")	53	18 bar
	50	50 (2")	63	18 bar
	63	60 (2 1/2")	76	16 bar
	75	75 (3")	92	14 bar
	100	90 (4")	120	7 bar

Safety clamps

