

STANDARD

Storz is a symmetric hose coupling invented by Carl August Guido Storz in 1882 that connects using interlocking hooks and flanges. It is sometimes referred to as a sexless coupling, because rather than having a male and a female end connected by screw threads, either identical end can be joined to any other end of the same diameter. Amongst other uses, it has been widely used in firefighting applications and bulk transfer solutions.

OPERATION

To couple a Storz connection, the two symmetric couplings are pressed together in a way that the hooks of each coupling are inserted into the slots of the flange of the other. Then they are rotated in opposite directions until they are tight, or latches engage. This creates a water-tight connection between the internal packing gaskets. To uncouple them, the latches are released and the connectors are turned in the opposite directions from coupling, and then separated when the hooks and slots are aligned. Special wrenches are designed for assisting with use of Storz connectors.

FEATURES

The main benefit to using Storz couplings is that connecting hoses by using the Storz couplings, is quick. Generally, a hose can be locked turning it with a 1/4 turn. By comparison, locking hoses using threaded couplings often takes several turns. Therefore, Storz couplings are widely viewed as a safer alternative compared to using threaded couplings.

WORKING PRESSURE

PN 10

MATERIAL

Coupling

Casted aluminium

Seal

Suction and delivery version

White NBR

ASSEMBLY

Wire binding

Low pressure ferrules

Band clamps

Worm drive clamps

THREADS

Male thread: EN ISO 228-1

Female thread: EN ISO 228-1



MALE THREADED

ND	Male thread	Material	Seal	Claws	Reference
50	2'	Aluminium	NBR White	66	STM050066-ECO
50	2'	Aluminium	NBR White	81	STM050081-ECO
65	2 1/2'	Aluminium	NBR White	81	STM065081-ECO
80	3'	Aluminium	NBR White	89	STM075089-ECO
100	4'	Aluminium	NBR White	133	STM100133-ECO



FEMALE THREADED

ND	Female thread	Material	Seal	Claws	Reference
50	2'	Aluminium	NBR White	66	STF050066-ECO
65	2 1/2'	Aluminium	NBR White	81	STF065081-ECO
65	2 1/2'	Aluminium	NBR White	89	STF063089-ECO
80	3'	Aluminium	NBR White	89	STF075089-ECO
100	4'	Aluminium	NBR White	133	STF100133-ECO



HOSE SHANK

Size	ND	Material	Seal	Claws	Reference
2'	50	Aluminium	NBR White	66	STS050066-ECO
2 1/2'	65	Aluminium	NBR White	81	STS065081-ECO
3'	80	Aluminium	NBR White	89	STS075089-ECO
4'	100	Aluminium	NBR White	133	STS100133-ECO



PLUG

ND	Material	Seal	Claws	Reference
2'	Aluminium	NBR White	66	STK066-ECO
2 1/2'	Aluminium	NBR White	81	STK081-ECO
3'	Aluminium	NBR White	89	STK089-ECO
4'	Aluminium	NBR White	133	STK133-ECO



STORZ COUPLINGS ECO-LINE

GASKET

ND	Material	For claws	Reference
50	NBR White	66	STXBW066-ECO
80	NBR White	89	STXBW089-ECO
100	NBR White	133	STXBW133-ECO



WRENCH

FIT	Material	Standard	Reference
A-B-C	Steel plated	DIN14822	STYABC

