



A SINGER INDUSTRIAL COMPANY

RUBBERWORX STORZLOCK



Dual Interlock Dry Disconnect for Liquid Cooling Systems - Data Center Couplers

The Rubberworx StorzLock is a dual interlock dry disconnect coupling engineered for secure, clean, and efficient liquid cooling connections in next-generation thermal management systems. Designed for main liquid cooling circuits, it delivers safe operation, minimal fluid loss, and fast connection and disconnection.

Key Features

- **Dual Interlock Safety Mechanism** – Integrated valve and coupling design ensures the valve opens only after full engagement. Both valves must be closed prior to disconnection, maximizing operational safety.
- **Genderless Design** – No male or female distinction. Fully symmetrical ends simplify installation and reduce inventory complexity.
- **Locking Button Protection** – Prevents accidental opening during operation.
- **Minimal Fluid Loss** – Clean disconnect design with controlled residual loss.
- **360° Rotatable End Connections** – Simplifies hose alignment and installation.
- **Color-Coded Protective Sleeve** – Provides impact protection and easy fluid identification.
- **Optional Actuator Interface** – Available for remote control or automated applications.
- **Full Interchangeability** – Fully interchangeable with the Danfoss FD83 series and compatible with standard European Storz fittings.

Applications

- Data centers & AI infrastructure
- High-performance computing (HPC)
- Energy storage systems
- 5G base stations
- Railway and industrial thermal management systems

Technical Specifications *(Theoretical Data)*

MATERIAL: 304 Stainless Steel

SEAL: Peroxide Cured EPDM

WORKING TEMP: -40°F to +248°F
(-40°C to +120°C)

MAX WORKING PRESSURE: 232 psi (16 bar)

MIN BURST PRESSURE: 696 psi (48 bar)

AVAILABLE SIZES: 1", 2", 3", 4"

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Hanna Rubber Company

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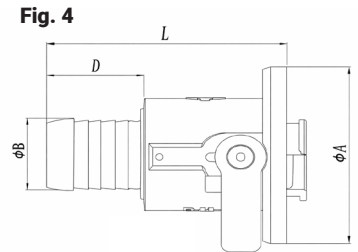
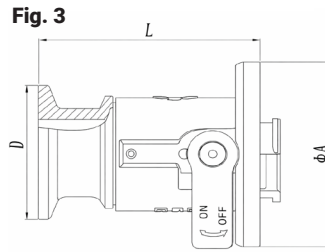
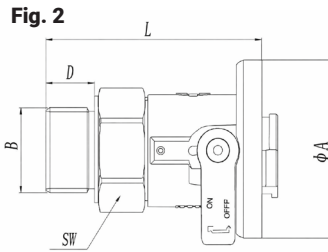
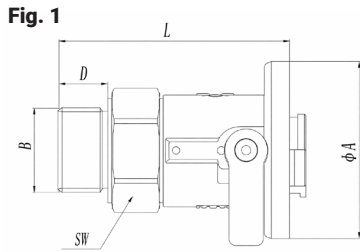
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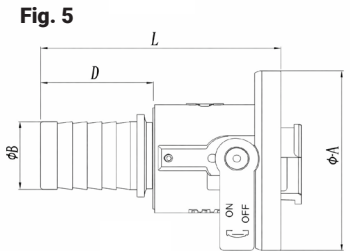
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RBX STORZLOCK - DATA CENTER COUPLERS



Flow Performance

Size	Rated Flow	CV Value	Max Fluid Loss
1"	57 GPM (216 L/min)	34	2.8 cc
1"	57 GPM (216 L/min)	34	2.8 cc



Name	Size	Code No.	Ball Size (mm)	B	Type	A (mm)	L (mm)	D (mm)	SW (mm)	Material	Figure
RBXLK-F3-12MBP	1"	L2313001	20	G3/4"-14	Male BSPP	65	85.8	19	41	304	1
RBXLK-F3-16MBP	1"	L2313002	20	G1"-11	Male BSPP	65	85.8	19	41	304	1
RBXLK-F3-16MORB	1"	L2313003	20	1 5/16"-12-UNF	Male ORB	65	85.8	19	60	304	1
RBXLK-F3-16MP	1"	L2313004	20	1"NPT-11.5	Male NPT	101	115	20	41	304	1
RBXLK-F3-24MBP	2"	L2313012	38	G1 1/2"-11	Male BSPP	101	115	20	70	304	1
RBXLK-F3-32MBP	2"	L2313013	38	G2"-11	Male BSPP	101	115	20	70	304	1
RBXLK-F3-24MP	2"	L2313014	38	1 1/2"NPT-11.5	Male NPT	101	115	20	70	304	1
RBXLK-F3-32MP	2"	L2313015	38	2"NPT-11.5	Male NPT	101	115	20	70	304	1
RBXLK-F3B-24MBP	2"	L2313023	40	G1 1/2"-11	Male BSPP	101	115	20	70	304	1
RBXLK-F3B-32MBP	2"	L2313024	40	G2"-11	Male BSPP	65	85.8	19	70	304	1
RBXLK-F3B-24MP	2"	L2313025	40	1 1/2"NPT-11.5	Male NPT	101	115	20	70	304	1
RBXLK-F3B-32MP	2"	L2313026	40	2"NPT-11.5	Male NPT	101	115	20	70	304	1
RBXLK-F3-12FBP	1"	L2313005	20	G3/4"-14	Female BSPP	65	68.8	18	41	304	2
RBXLK-F3-16FBP	1"	L2313006	20	G1"-11	Female BSPP	65	68.8	18	41	304	2
RBXLK-F3-16FORB	1"	L2313007	20	1 5/16"-12-UNF	Female ORB	65	68.8	18	60	304	2
RBXLK-F3-16FP	1"	L2313008	20	1"NPT-11.5	Female NPT	65	80.8	20	41	304	2
RBXLK-F3-24FBP	2"	L2313016	38	G1 1/2"-11	Female BSPP	101	99	24	70	304	2
RBXLK-F3-32FBP	2"	L2313017	38	G2"-11	Female BSPP	101	117.5	24	70	304	2
RBXLK-F3-24FP	2"	L2313018	38	1 1/2"NPT-11.5	Female NPT	65	68.8	20	70	304	2
RBXLK-F3-32FP	2"	L2313019	38	2"NPT-11.5	Female NPT	101	99	20	70	304	2
RBXLK-F3B-24FBP	2"	L2313027	40	G1 1/2"-11	Female BSPP	101	99	24	70	304	2
RBXLK-F3B-32FBP	2"	L2313028	40	G2"-11	Female BSPP	65	74.8	26	70	304	2
RBXLK-F3B-24FP	2"	L2313029	40	1 1/2"NPT-11.5	Female NPT	65	68.8	20	70	304	2
RBXLK-F3B-32FP	2"	L2313030	40	2"NPT-11.5	Female NPT	101	99	20	70	304	2
RBXLK-F3-16HB	1"	L2313010	20	25.5	Hose	65	87.4	43		304	3
RBXLK-F3-24HB	2"	L2313021	38	50.5	Hose	101	127.6	49		304	3
RBXLK-F3B-32HB	2"	L2313032	40	50.5	Hose	101	127.6	49		304	3
RBXLK-F3-16PLHB	1"	L2313009	20	28.5	Hose	65	75.3	30		304	4
RBXLK-F3-24PLHB	2"	L2313020	38	50.5	Hose	101	127.6	49		304	4
RBXLK-F3B-32PLHB	2"	L2313031	40	50.5	Hose	101	127.6	49		304	4
RBXLK-F3-16TC	1"	L2313011	20	NA	Sanitary Flange 1"	65	68.8	50.5		304	3
RBXLK-F3-32TC	2"	L2313022	38	NA	Sanitary Flange 2"	101	99	64		304	3
RBXLK-F3B-32TC	2"	L2313033	40	NA	Sanitary Flange 2"	101	99	64		304	3