

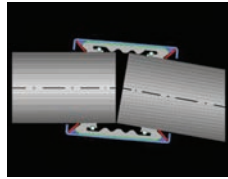


# Straub Open-Flex 1L Couplings

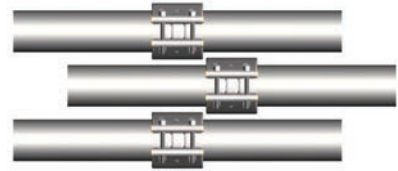
*Joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper*

## Features:

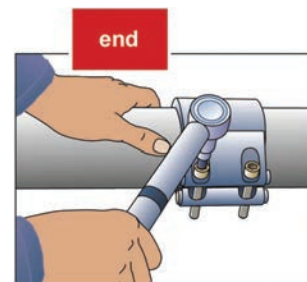
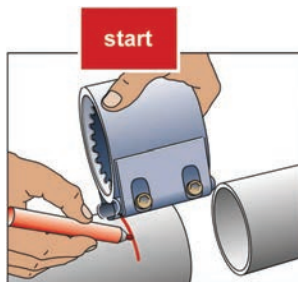
- Joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- Requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening.
- highest quality 316 Ti stainless steel construction
- accommodates up to 5° of pipe misalignment
- vary gap between pipe ends
- absorbs vibration, water hammer, and sound
- acts as an expansion joint; will accept up to .25" of axial movement
- 5 year limited warranty
- reusable
- conforms to ASTM 1476, Type 2, Class 3 specifications



Accommodates up to 5° of pipe misalignment



Lends itself well to confined areas



Straub couplings eliminate the need for threading, flanging, galling and welding. Coupling installation takes minutes instead of hours.



# Straub Open-Flex 1L Couplings

## Applications:

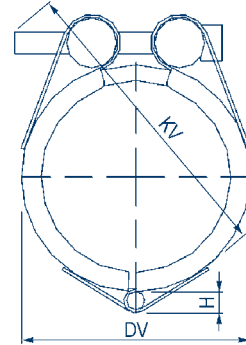
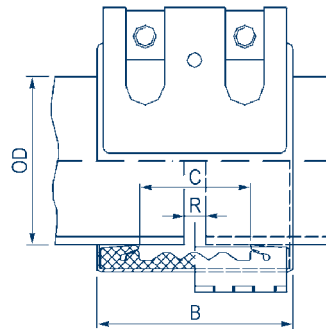
Straub Open-Flex 1L couplings are suitable for repairing or joining pipes where access to the pipe end is difficult or not possible. This unique wrap-around design differs from similar type repair products because the installation or repair is permanent due to the unique flexible lipseal gasket design. Open-Flex couplings will also act as an expansion joint. *Straub Open-Flex couplings do require the pipes to be properly anchored and restrained as they are not pull-out resistant like the Straub Grip-L couplings.* Use Straub Open-Flex couplings to replace bolted sleeve type couplings (AWWA Std. C-219) or for permanent repairs or installation.

## Features:

- casing: AISI 316Ti
- screws: AISI 4135 steel
- bolts: AISI 12L 14 Galvanized
- EPDM sealing sleeve: temperature range - 4°F to 176°F (-20°C to 80°C)

## Specifications:

- American Bureau of Shipping (ABS) up to 232 PSI
- Underwriter's Laboratories (UL)
- National Sanitation Foundation (NSF)



Size	Pipe OD		Working Pressure PSI	Coupling Dimensions			Assembled Dimensions		Max. Distance Between Pipe End R	Weight (lbs.)	Stainless Steel
	actual	range min to max		B	C	H	DV	KV			Part #
1½"	1.90"	1.85" to 1.95"	363	3.0"	1.4"	.28	2.8"	3.3"	.20"	1.10	STR35001
2"	2.38"	2.32" to 2.42"	232	3.0"	1.4"	.28	3.2"	3.7"	.20"	1.34	STR35151
2½"	2.88"	2.81" to 2.93"	232	3.0"	1.4"	.36	3.2"	3.7"	.20"	1.80	STR35201
3"	3.50"	3.44" to 3.56"	232	3.7"	2.0"	.36	4.4"	4.9"	.20"	2.10	STR35351
4"	4.50"	4.43" to 4.57"	232	3.7"	2.0"	.36	5.4"	5.9"	.20"	2.33	STR35651
5"	5.56"	5.49" to 5.57"	232	4.2"	2.4"	.38	6.4"	7.1"	.20"	3.20	STR35901
6"	6.63"	6.54" to 6.71"	232	4.2"	2.4"	.38	7.5"	8.1"	.20"	3.70	STR36051



**Not pull-out resistant.**

Ensure that pipes are properly anchored and supported.

Assembly tool available,  
**STR6648**



Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ARPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit [ARPMINC.com](http://ARPMINC.com) for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877.963.4966 or click [dixonvalve.com](http://dixonvalve.com) to learn more.

**Dixon Valve & Coupling Co.**

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