

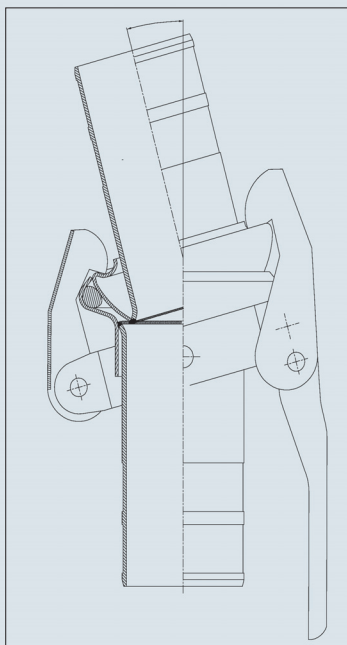
STANDARD

LMC's cardan couplings are heavy duty quick couplings used in agricultural, irrigation, cleaning and construction applications. They are most commonly used with systems carrying water, mortar, bitumen, bulk products, etc.

OPERATION

Cardan couplings consist of a male and a female section. The female section incorporates a thick o-ring seal and a lever-operated 2-claw latch. The male section is inserted into the female section and the joint closed by latching the lever over the conical head of the male section. The seal between the male and female section enables the cardan coupling to remain secure up to 15° deflection.

LMC's Cardan couplings hose shanks are designed to be used in heavy applications. This feature makes LMC's Cardan couplings more resistant to impact and wear, ensuring a longer working life.



N.B.: Cardan couplings are not interchangeable with Bauer couplings.

FEATURES



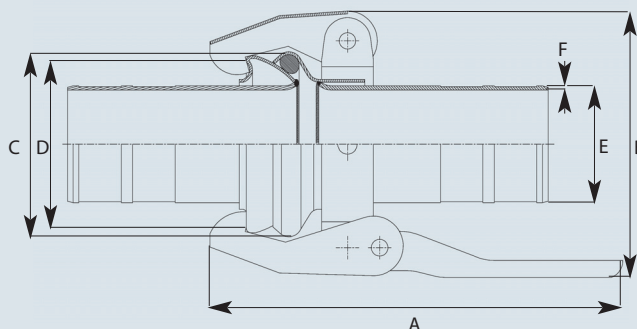
1. Specially designed serrated hose shank for a perfect binding assembly using band clamps and safety clamps
2. Extra-thick wall for longer working life
3. Thick SBR o-ring seal for a guaranteed total seal in pressure and vacuum applications
4. Deflection up to 30° when closed (-15°/+15° axis)
5. Easy single handed closure



DIMENSIONS

ND	A MM	B MM	C MM	D MM	E MM	F MM
50	230.0	128.0	85.0	76.0	51.0	2.60
70	270.0	163.0	108.0	103.0	63.0	3.60
89	310.0	194.0	136.0	133.0	76.1	2.90
108	360.0	232.0	161.0	154.0	101.6	3.60
133	370.0	264.0	188.0	179.0	127.0	4.00
159	370.0	313.0	223.0	210.0	152.4	4.00

Dimensions are given as illustration only

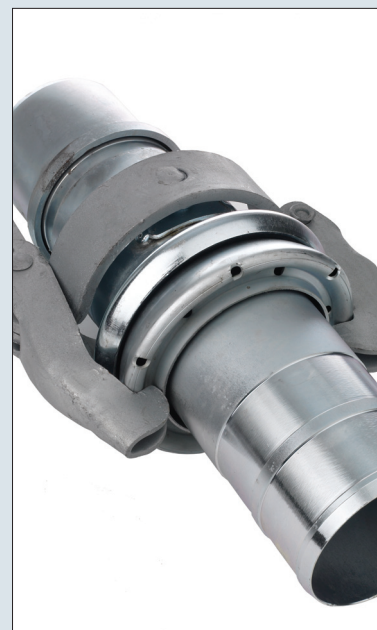


APPLICATION

- Emptying tanks and reservoirs containing environmentally harmful waste products
- Transporting bulk products, such as grain, flour, feed, pellets, granulates, concrete and minerals
- Transporting water
- Pressure and suction connections to pumps

WORKING PRESSURE

ND	BAR	PSI
50	20	290
70	20	290
89	15	217
108	15	217
133	10	145
159	10	145



TEMPERATURE

-40°C / -40°F up to +80°C / +176°F

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

MATERIAL

- Coupling
 - Galvanized carbon steel St 37-2 (female section with steel lever)
 - Stainless steel AISI 304 - EN 1.4301 (female section with steel lever)
- Seal
 - SBR
 - NBR, EPDM on request

ASSEMBLY

Band, bolt clamps

RK safety clamps to EN 14420-3 / DIN 2817

FLEXOLINE® safety clamp

Welding

A.9.2