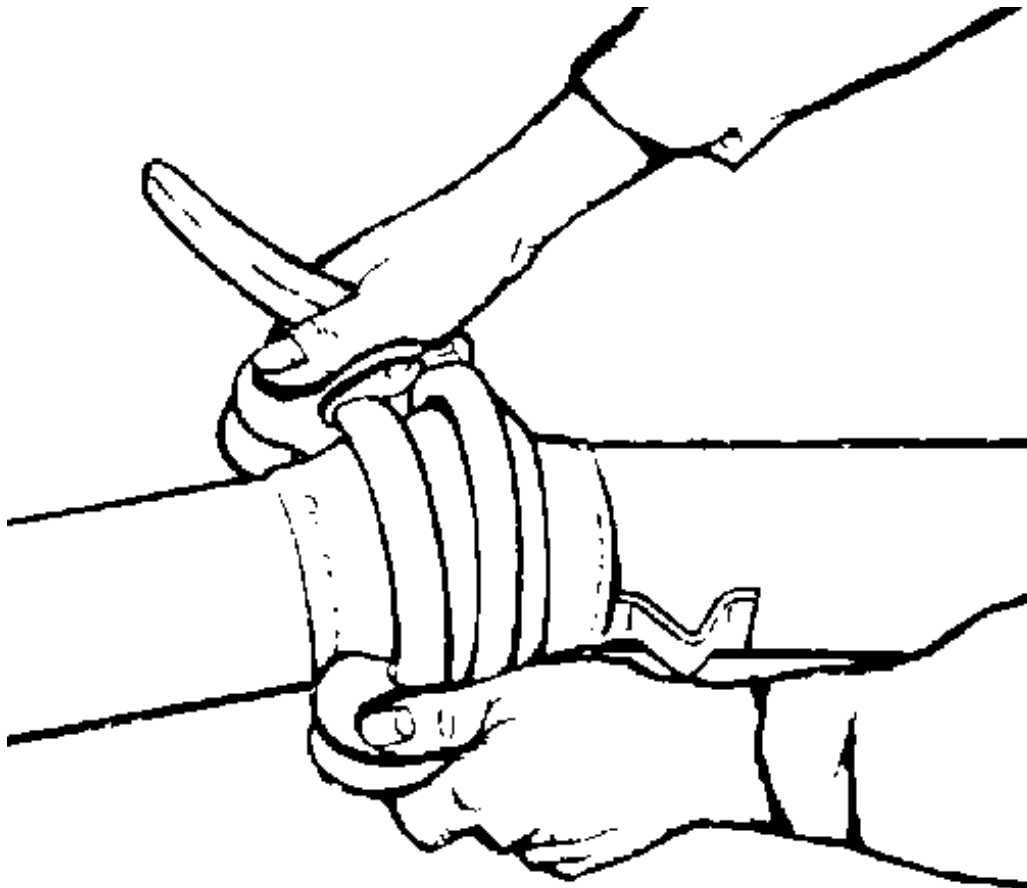


## ICM Industries Hose coupling- Bauer coupling



*Section V*  
*ICM Hose coupling-*  
***Bauer coupling***

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# Bauer coupling Introduction

Bauer coupling are widely used in farming, gardening, industry, construction, road and tunnel building, groundwater drainage, sewage treatment plants, wastewater disposal and environmental engineering. Bauer coupling design allows angular deflection of the connected coupling ( max. 30° up to 108mm, 20° in bigger sizes)

## 1. Features:

Material: Galvanized steel

Hot-dip galvanized zn according to ISO1461:2009.

Wall thickness less than 1.5mm, local coating thickness is 35 um, mean coating thickness is 45um.

Wall thickness more than 1.5mm, less than 3mm, local coating thickness is 45um, mean cotating thickness is 55um

Gasket: NBR O-Ring gasket

Working Pressure: 20 bar for size up to 31/2"

12bar for size above 31/2"

Working Temperature: From -20°C up to +50°C

Size: 2", 3", 3-1/2",4",6",8"

Parts: male tail, female tail, lever ring and rubber ring

in the same range some other items: T joint, Y joint, 90 degree bend, 45 degree bend, flange adaptor, end cap, thread adaptor, flange adaptor, enlarger and reducer male and female, strainer, pipe galvanized and non-galvanized

Advantage: safe, fast, easy, flexible

Application: irrigation, mining and tunneling, civil engineering project, emergency water supply, dewatering and drainage

## 2. Applications:

- Irrigation systems
- Dewatering & drainage: Suction and delivery lines for site dewatering
- Bypass for water & sewer lines
- Water transfer (fresh & waste water)
- Gas lines & Compressed air delivery
- Dredging
- Mining & tunneling
- Civil engineering projects,
- Food processing
- Emergency water supply, such as disaster and fire control
- Sludge handling
- Conveyance for powder or granular materials
- Vacuum & compressed air
- Road construction
- Exhaust gas emission
- Oil industry applications: Onshore/ offshore drilling
- Well point
- Pumps & pumping stations

- Lurry & liquid manure
- Building & road construction
- Oil production: Ship to ship or ship to shore transfer
- Bentonite transfer

### 3. Media:

- Potable drinking water
- Waste water
- Compressed air and gases
- Exhaust fumes
- Sludge
- Motar
- Bentonite
- Crude oil and oil products
- Pneumatic loading of powder and granular materials, such as gains and feeds and so on.

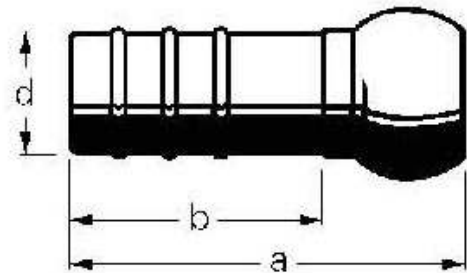
For stainless steel material types

- Food
- Pharmaceutical
- Chemical industries

### 4. Advantage:

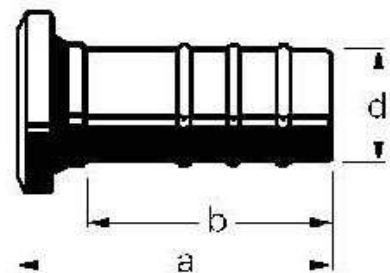
- Fast, flexible, strong & safe
- High performance couplers & fittings
- Can be used on both suction & discharge applications
- Quick-action couplings in sizes 2" through 12"
- Can be used to connect aluminum, steel, stainless steel or HDPE pipe & hoses
- Secure locking pins to avoid costly spillages
- Vacuum-tight "O" ring seal
- 14 to 30 degree coupling flexibility in all directions to compensate for misalignments and rough terrain
- Standard and custom-built steel and aluminum fittings available
- Couplings available in black, galvanized, powder coated steel, stainless steel 304 or cast aluminum
- Will handle water pressures from 58 psi to 290 psi
- No special tools to couple or uncouple
- Three styles available (D, A, B)

### § Bauer Coupling Male End



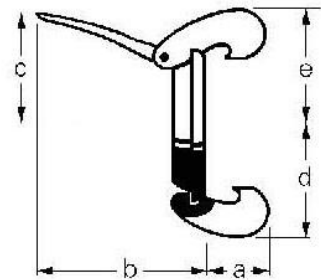
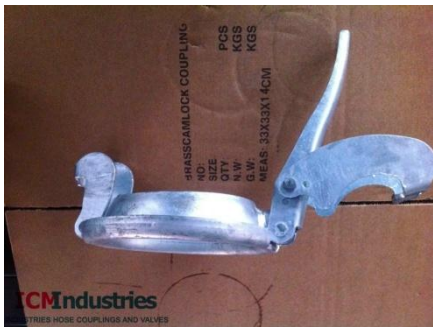
Item	Part No	F(inches)	DN(mm)	Bauer Reference	A	B	D
Male End	ICMBCM200	2 "	52	50	200	145	50
	ICMBCM300	3"	76	76	229	145	74.6
	ICMBCM350	3 1/2"	89	89	242	155	89
	ICMBCM400	4 "	102	108	313	208	108
	ICMBCM500	5"	127	133	305	208	125
	ICMBCM600	6"	152	159	350	232	150
	ICMBCM800	8"	203	194	397	270	200

### § Bauer Coupling Female End



Item	Part No	F(inches)	DN(mm)	Bauer Reference	A	B	D
Female End	ICMBCF200	2 "	52	179	145	50	179
	ICMBCF300	3"	76	194	155	74.36	194
	ICMBCF350	3 1/2"	89	209	155	89	209
	ICMBCF400	4 "	102	266	208	100	266
	ICMBCF500	5"	127	268	208	125	268
	ICMBCF600	6"	152	282	232	150	282
	ICMBCF800	8"	203	346	270	200	346

### § Bauer Coupling Lever



Item	Part No	F(inches)	DN(mm)	Bauer Reference	A	B	D	E
Lever	ICMBCL200	2"	52	50	38	120	65	63
	ICMBCL300	3"	76	76	62	170	90	95
	ICMBCL350	3 1/2"	89	89	62	175	101	107
	ICMBCL400	4"	102	108	65	210	115	123
	ICMBCL500	5"	127	133	80	230	130	137
	ICMBCL600	6"	152	159	90	170	152	150
	ICMBCL800	8"	203	194	100	160	180	177

## Coupling Parts photos

### § Type A Bauer Coupling Parts







Type A coupling Pipes



### § Type B Bauer Coupling





## Bauer coupling application sites photos

### § Bauer couplings for Pumps









## § Bauer coupling in farm Irrigation site





## § Bauer coupling pipe lines in Tunnel Construction site



## § Mining sites drainage water





### § River treatment





## § Bauer coupling used in sewer bypass



## § Bauer coupling used in well point site

