

## ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )

Aluminium cam-lock couplings for all common fluids of 2<sup>nd</sup> group.  
According to MIL-C-27487 and A-A 59326 standards.  
NBR gasket with the couplers.



**Size :** DN15 to DN100 (1/2" to 4")  
**Connection :** Female, Male BSP and hose coupling  
**Min Temperature :** -10°C  
**Max Temperature :** +80°C  
**Max Pressure :** 16 Bars  
**Specifications :** Aluminium fittings  
NBR gasket  
Brass cam  
According to MIL-C-27487 and A-A 59326

**Materials :** Aluminium

## ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )

### SPECIFICATIONS :

- Aluminium
- NBR gasket ( only for couplers )
- According to MIL-C-27487 and A-A 59326

### UTILISATION :

- For all common fluids of 2<sup>nd</sup> group
- Min and max Temperature Ts : - 10°C to + 80°C
- Max Pressure Ps : See the table thereafter

| DN         | 1/2" | 3/4" | 1" | 1"1/4 | 1"1/2 | 2" | 2"1/2 | 3" | 4" |
|------------|------|------|----|-------|-------|----|-------|----|----|
| Ps ( Bar ) | 11   | 16   | 16 | 16    | 16    | 16 | 11    | 9  | 7  |

### RANGE :

- Female adapter type A **Ref.2201** DN 1/2" to DN 4"
- Male coupler type B **Ref.2202** DN 1/2" to DN 4"
- Hose coupler type C **Ref.2203** DN 1/2" to DN 4"
- Female coupler type D **Ref.2204** DN 1/2" to DN 4"
- Hose adapter type E **Ref.2205** DN 1/2" to DN 4"
- Male adapter type F **Ref.2206** DN 1/2" to DN 4"
- Cap coupler type DC **Ref.2207** DN 1/2" to DN 4"
- Plug adapter type DP **Ref.2208** DN 1/2" to DN 4"
- **Other gasket on demand : EPDM or FKM**

### TEMPERATURE AND REFERENCE FOR GASKET NBR AND EPDM :

| GASKET | TEMPERATURE          | 1/2"    | 3/4"    | 1"      | 1"1/4   | 1"1/2   | 2"      | 2"1/2   | 3"      | 4"      |
|--------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| NBR    | From -10°C to +80°C  | 9830860 | 9830861 | 9830862 | 9830863 | 9830864 | 9830865 | 9830866 | 9830867 | 9830868 |
| EPDM   | From -10°C to +130°C | 9830850 | 9830851 | 9830852 | 9830853 | 9830854 | 9830855 | 9830856 | 9830857 | 9830858 |

## ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )

### MATERIALS :



| Item | Designation | Materials         |
|------|-------------|-------------------|
| 1    | Body        | Aluminium         |
| 2    | Gasket      | NBR               |
| 3    | Cam         | Brass or AISI 301 |
| 4    | Ring        | Brass             |

### REPAIRABILITY :



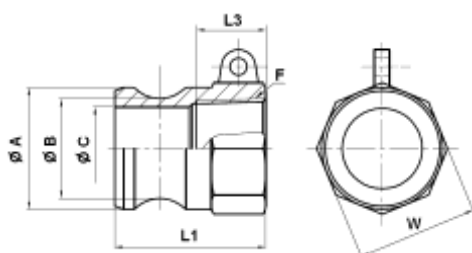
| * NBR gasket (Item 2) |         |
|-----------------------|---------|
| DN                    | Ref.    |
| DN1/2"                | 9830860 |
| DN3/4"                | 9830861 |
| DN1"                  | 9830862 |
| DN1"1/4               | 9830863 |
| DN1"1/2               | 9830864 |
| DN2"                  | 9830865 |
| DN2"1/2               | 9830866 |
| DN3"                  | 9830867 |
| DN4"                  | 9830868 |

**ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )**

**SIZE ( in mm ) :**

- Female adapter type A Ref.2201

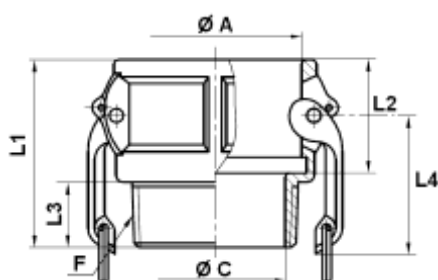
**Modification in progress**



| REF. | DN         | 1/2"          | 3/4"        | 1"        | 1"1/4       | 1"1/2         | 2"          | 2"1/2       | 3"        | 4"            |
|------|------------|---------------|-------------|-----------|-------------|---------------|-------------|-------------|-----------|---------------|
| 2201 | F          | 1/2"          | 3/4"        | 1"        | 1"1/4       | 1"1/2         | 2"          | 2"1/2       | 3"        | 4"            |
|      | Ø A        | 23.8          | 32.1        | 36.7      | 45.5        | 53.4          | 63          | 75.8        | 91.5      | 119.5         |
|      | Ø B        | 18.2          | 26.2        | 29        | 35.2        | 43.1          | 52.5        | 64.6        | 81        | 106           |
|      | Ø C        | 12.8-<br>14.1 | 21.2-<br>22 | 24        | 28.5-<br>30 | 36.5-<br>37.8 | 46-<br>47.1 | 56.6-<br>59 | 73-<br>75 | 98-<br>102.5  |
|      | L1         | 40-<br>38     | 40-<br>36   | 49-<br>44 | 54.6-<br>53 | 56-<br>55     | 63-<br>61   | 78-<br>80   | 69-<br>67 | 76.5-<br>75.5 |
|      | L3         | 15.5-<br>14.5 | 16-<br>15   | 19-<br>20 | 21-<br>22   | 23-<br>22     | 25-<br>23.5 | 29-<br>27   | 30        | 36-<br>32     |
|      | W on flat  | 26-<br>24.5   | 32          | 39-<br>38 | 49-<br>47.2 | 54.5-<br>55   | 65          | 81-<br>79.5 | 95-<br>94 | 122           |
|      | Weig. (Kg) | 0.023         | 0.047       | 0.059     | 0.082       | 0.11          | 0.15        | 0.28        | 0.3       | 0.5           |

- Male coupler type B Ref.2202

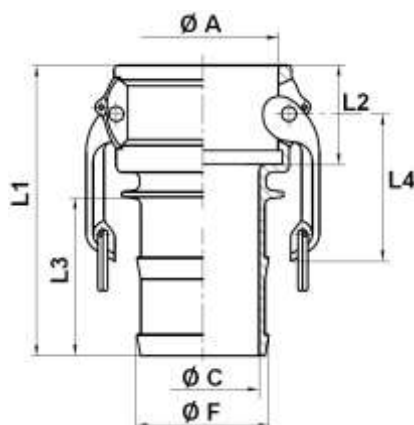
**Modification in progress**



| REF. | DN         | 1/2"          | 3/4"        | 1"          | 1"1/4     | 1"1/2       | 2"          | 2"1/2       | 3"          | 4"            |
|------|------------|---------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|---------------|
| 2202 | F          | 1/2"          | 3/4"        | 1"          | 1"1/4     | 1"1/2       | 2"          | 2"1/2       | 3"          | 4"            |
|      | Ø A        | 24.3          | 32.4        | 37.3        | 46        | 54          | 63.8        | 76.5        | 92.2        | 120.3         |
|      | Ø C        | 12.8          | 19.5        | 25.5        | 32        | 40          | 50          | 62          | 76          | 99            |
|      | L1         | 46.6-<br>47.5 | 47-<br>48.8 | 56-<br>58.3 | 63-<br>65 | 66-<br>67   | 76-<br>75   | 83-<br>84.8 | 87-<br>87.5 | 94-<br>95.5   |
|      | L2         | 27            | 29          | 36          | 42        | 42          | 47.5        | 50          | 51          | 52            |
|      | L3         | 15.8-<br>17   | 15.5-<br>18 | 18-<br>19.5 | 19-<br>20 | 20-<br>21.6 | 24-<br>23.5 | 29-<br>30   | 31-<br>30.5 | 37.5-<br>36.1 |
|      | L4         | 30            | 30          | 38          | 59        | 59          | 59          | 59          | 70          | 70            |
|      | Weig. (Kg) | 0.08          | 0.11        | 0.16        | 0.28      | 0.3         | 0.38        | 0.46        | 0.64        | 1.06          |

- Hose coupler type C Ref.2203

**Modification in progress**



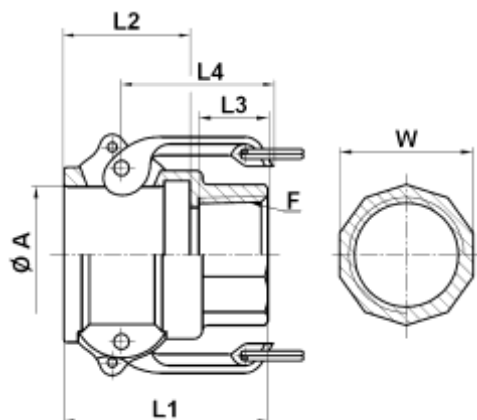
| REF. | DN         | 1/2" | 3/4"          | 1"           | 1"1/4         | 1"1/2       | 2"          | 2"1/2         | 3"            | 4"            |
|------|------------|------|---------------|--------------|---------------|-------------|-------------|---------------|---------------|---------------|
| 2203 | Ø F        | 15   | 21.4          | 27.7         | 34.2          | 40.5        | 52-<br>53   | 66.7-<br>66   | 79.3-<br>78.5 | 104.7-<br>104 |
|      | Ø A        | 24.3 | 32.4          | 37.3         | 46            | 54          | 63.8        | 76.5          | 92.2          | 120.3         |
|      | Ø C        | 8    | 13            | 19.5         | 25.5          | 31.7        | 44          | 57            | 67.5          | 94            |
|      | L1         | 64   | 92.5-<br>81.6 | 106-<br>95.8 | 112-<br>102.5 | 118-<br>115 | 135-<br>133 | 147-<br>150.3 | 161-<br>168.5 | 164-<br>169.5 |
|      | L2         | 27   | 29            | 36           | 42            | 42          | 47.5        | 50            | 51            | 52            |
|      | L3         |      | 61-<br>50.8   | 68-<br>57    | 68-<br>57.5   | 72-<br>69.5 | 83-<br>81.5 | 93-<br>95.5   | 105-<br>111   | 106-<br>110   |
|      | L4         | 30   | 30            | 38           | 59            | 59          | 59          | 59            | 70            | 70            |
|      | Weig. (Kg) | 0.09 | 0.115         | 0.179        | 0.296         | 0.356       | 0.497       | 0.522         | 0.924         | 1.22          |

## ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )

### SIZE ( in mm ) :

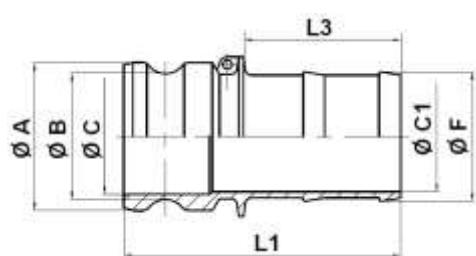
- Female coupler type D Ref.2204

**Modification in progress**



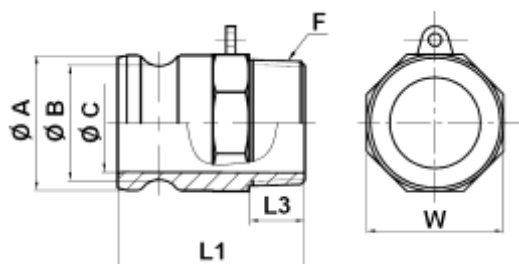
| REF. | DN         | 1/2"          | 3/4"        | 1"          | 1"1/4       | 1"1/2       | 2"          | 2"1/2       | 3"          | 4"          |
|------|------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2204 | F          | 1/2"          | 3/4"        | 1"          | 1"1/4       | 1"1/2       | 2"          | 2"1/2       | 3"          | 4"          |
|      | Ø A        | 24.3          | 32.4        | 37.3        | 46          | 54          | 63.8        | 76.5        | 92.2        | 120.3       |
|      | L1         | 45.3-<br>47.5 | 46-<br>49.8 | 56-<br>58.3 | 63-<br>67   | 66-<br>69.5 | 76-<br>75.2 | 83-<br>84.8 | 87-<br>88.5 | 93-<br>95.5 |
|      | L2         | 27            | 29          | 36          | 42          | 42          | 47.5        | 50          | 51          | 52          |
|      | L3         | 16-<br>18     | 15-<br>19   | 18.5-<br>19 | 19-<br>22   | 20-<br>24   | 25-<br>24   | 29-<br>30   | 31-<br>32   | 35-<br>36   |
|      | L4         | 30            | 30          | 38          | 59          | 59          | 59          | 59          | 70          | 70          |
|      | W on flat  | 26.4-<br>24.5 | 32          | 39-<br>38   | 49-<br>47.2 | 54.5-<br>55 | 65          | 81-<br>79.5 | 95-<br>94   | 121.5       |
|      | Weig. (Kg) | 0.09          | 0.12        | 0.18        | 0.27        | 0.34        | 0.39        | 0.47        | 0.67        | 0.93        |

- Hose adapter type E Ref.2205



| REF. | DN         | 1/2" | 3/4" | 1"   | 1"1/4 | 1"1/2 | 2"   | 2"1/2 | 3"   | 4"    |
|------|------------|------|------|------|-------|-------|------|-------|------|-------|
| 2205 | Ø F        | 15   | 21.5 | 27.3 | 34    | 40.4  | 53   | 66.7  | 79   | 104.5 |
|      | Ø A        | 23.8 | 32.1 | 36.7 | 45.5  | 53.4  | 63   | 75.8  | 91.5 | 119.5 |
|      | Ø B        | 18.2 | 26.2 | 29   | 35.2  | 43.1  | 52.5 | 64.6  | 81   | 106   |
|      | Ø C        | 12.8 | 21.2 | 24   | 28.5  | 36.5  | 46   | 57    | 73   | 98    |
|      | Ø C1       | 8    | 13   | 19.5 | 25.5  | 31.7  | 44   | 57    | 67.5 | 92    |
|      | L1         | 72   | 87   | 102  | 108   | 113   | 131  | 142   | 166  | 173.5 |
|      | L3         | 43   | 53   | 61   | 56    | 76    | 85   | 79    | 100  | 113   |
|      | Weig. (Kg) | 0.04 | 0.07 | 0.11 | 0.15  | 0.2   | 0.32 | 0.41  | 0.57 | 0.97  |

- Male adapter type F Ref.2206



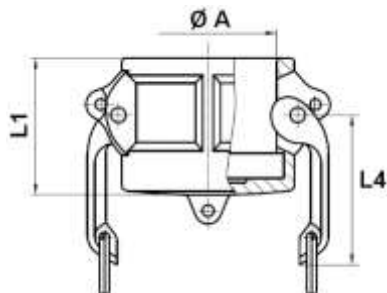
| REF. | DN         | 1/2"  | 3/4"  | 1"   | 1"1/4 | 1"1/2 | 2"   | 2"1/2 | 3"   | 4"    |
|------|------------|-------|-------|------|-------|-------|------|-------|------|-------|
| 2206 | F          | 1/2"  | 3/4"  | 1"   | 1"1/4 | 1"1/2 | 2"   | 2"1/2 | 3"   | 4"    |
|      | Ø A        | 23.8  | 32.1  | 36.7 | 45.5  | 53.4  | 63   | 75.8  | 91.5 | 119.5 |
|      | Ø B        | 18.2  | 26.2  | 29   | 35.2  | 43.1  | 52.5 | 64.6  | 81   | 106   |
|      | Ø C        | 12.8  | 21.2  | 24   | 28.5  | 36.5  | 46   | 56.6  | 73   | 98    |
|      | L1         | 56    | 55.5  | 66   | 74    | 76    | 86.5 | 96    | 100  | 112   |
|      | L3         | 16    | 15    | 18   | 20    | 20    | 23   | 28    | 31   | 37    |
|      | W on flat  | 26.4  | 32    | 39   | 49    | 54.5  | 64   | 77    | 93   | 120   |
|      | Weig. (Kg) | 0.028 | 0.066 | 0.1  | 0.15  | 0.18  | 0.28 | 0.43  | 0.57 | 1.05  |

## ALUMINIUM CAM-LOCK COUPLERS ( 2201-2208 )

### SIZE ( in mm ) :

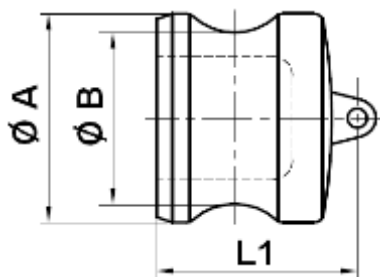
- Cap coupler type DC Ref.2207

**Modification in progress**



| Ref. | DN         | 1/2"         | 3/4" | 1"       | 1"1/4    | 1"1/2 | 2"   | 2"1/2      | 3"         | 4"         |
|------|------------|--------------|------|----------|----------|-------|------|------------|------------|------------|
| 2207 | Ø A        | 24.3         | 32.4 | 37.3     | 46       | 54    | 63.8 | 76.5       | 92.2       | 120.3      |
|      | L1         | 29.8<br>30.5 | 31.3 | 38<br>39 | 44<br>45 | 46    | 52   | 54<br>54.8 | 56<br>57.5 | 60<br>59.2 |
|      | L4         | 30           | 30   | 38       | 59       | 59    | 59   | 59         | 70         | 70         |
|      | Weig. (Kg) | 0.05         | 0.1  | 0.15     | 0.29     | 0.30  | 0.36 | 0.41       | 0.65       | 0.9        |

- Plug adapter type DP Ref.2208



| REF. | DN          | 1/2" | 3/4" | 1"   | 1"1/4 | 1"1/2 | 2"   | 2"1/2 | 3"   | 4"    |
|------|-------------|------|------|------|-------|-------|------|-------|------|-------|
| 2208 | Ø A         | 23.8 | 32.1 | 36.7 | 45.5  | 53.4  | 63   | 75.8  | 91.5 | 119.5 |
|      | Ø B         | 18.2 | 26.2 | 29   | 35.2  | 43.1  | 52.5 | 64.6  | 81   | 106   |
|      | L1          | 31   | 32   | 40   | 45    | 45    | 52   | 55    | 58   | 61    |
|      | Weight (Kg) | 0.03 | 0.04 | 0.05 | 0.07  | 0.12  | 0.18 | 0.24  | 0.29 | 0.52  |

### STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- Directive 2014/68/EU : Products excluded from directive (Article 4, § 3)
- Designing according to MIL-C-27487 and A-A 59326
- Threaded female BSP cylindrical according to ISO 228-1 and male BSP conical according to ISO 7-1 R

**ADVICE :** Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.  
The customer must check the right choice of the products with the real service conditions.