

RITE QUICK COUPLINGS



**FOR
LIQUID
AND
GAS
TRANSFER
SYSTEMS**



Catalogue 46



Ritepro Corporation
Montreal, Canada

SHOP DRAWING REVIEW

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR DETAILS.

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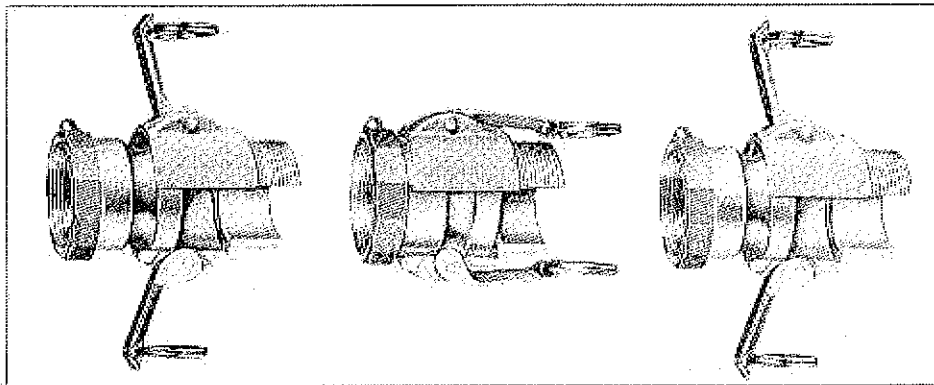
A growth industry

Since the invention of cam and groove quick couplings, demand has grown steadily because they excel all other methods in ease of use and reliability. In addition to the hundreds of known uses, industrial engineers are finding new ones daily. Usage has expanded so rapidly that the standards in this catalogue are accepted world-wide for most liquid, gas and bulk transfer systems.

Ritepro has manufactured reliable, high-speed cam and groove quick couplings for the past decade. We maintain high inventories and also manufacture many specialty couplings. Our engineering and quality control standards are rigidly exact to ensure perfect interchangeability wherever our couplings may be in use. Parts are manufactured to specification A-A 59326 (Superseding MIL-C27487).

If you do not find the solution to your coupling problem, contact us for additional information and design services.

How to make a quick connection



**To make connection,
simply extend
coupler arms
and slip the adaptor
smoothly inside the
coupler.**

When adaptor makes contact against the gasket, press the cam levers down until they are parallel to body of coupler with normal hand pressure. The cam bears on the groove keeping adaptor and coupler securely locked together in a permanent leakproof connection until released.

Uncoupling is just as quick and easy. Again, using normal hand pressure, lift locking arms or levers and slide adaptor out of the coupler. Gasket remains securely in place ready for the next connection.

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Rite

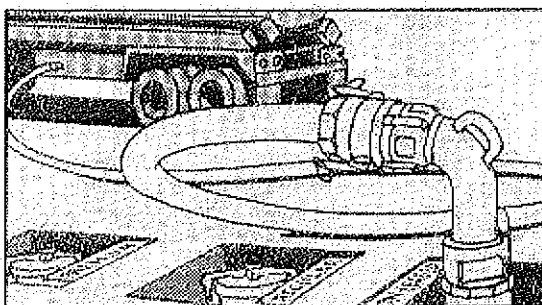
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Rite Quick Couplings save labor, time and material

Flexible, portable Tight-fill system facilitates rapid switching from one product to another speeding up delivery schedules.

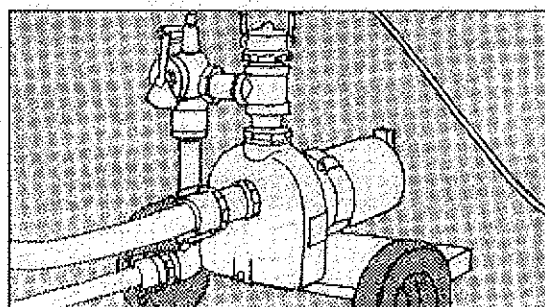
Quick couplings are easy to handle require no threading, no tools, no twisting, no springs and no snaps. Operators prefer their smooth, easy operation and prolonged hose life.



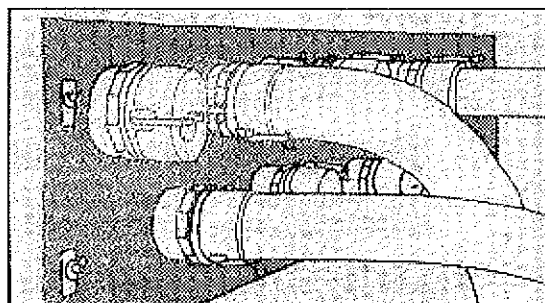
Rugged quick couplings ensure maximum utilization of mobile equipment. Their rugged construction will stand up to years of heavy use. This is especially important in developing areas where replacement and repair costs are abnormally high. Special metals and gasket materials are available to handle problems of pressure, corrosion, volatility and temperature.

Cam and groove quick couplings save labor because they are so quick and easy to use. Installation is simple; operators need little or no training; their rugged construction stands up well to heavy use.

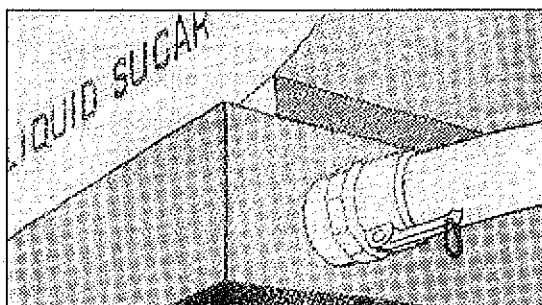
Quick couplings save time because of the great flexibility they bring to any liquid or gas handling transfer system, or for that matter, anything that flows. When there is a need to accommodate rapid shift in supply and demand they facilitate immediate change in product flow between manufacturing, storage and distribution facilities. Losses and interruption of flow are kept to a minimum.



Quick coupling systems are simple to plan and set up. They save material and space eliminating the redundancy of piping and fittings associated with permanent installations. Their portability and flexibility permit greater utilization.



Couplings are designed so that the pressure in the system completes the seal. If pressure increases, locking pressure increases too. This feature ensures complete safety when handling hazardous materials.

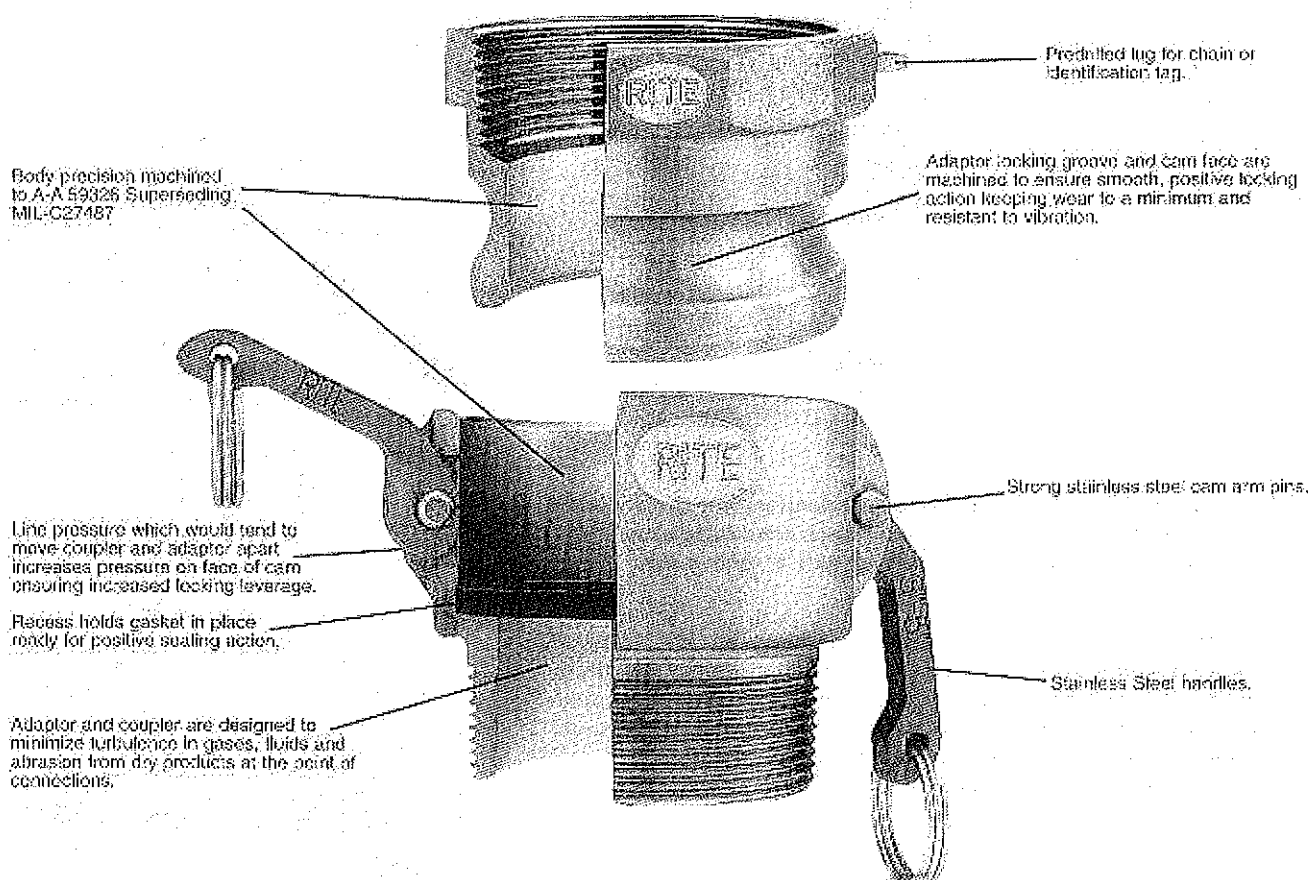


Quick couplings reduce or eliminate delays at key measuring and blending stations when there are frequent product changes. This is only one of many ways in which they may be used to increase productivity of expensive machinery and equipment.



Speedy, leakproof coupling ensure minimum interruption of throughput minimum loss of product or contamination.

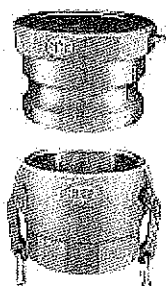
Engineered to give years of leak-proof connections



Precision machined for complete interchangeability

Any adaptor (male) may be coupled with any coupler (female) of the same size. This provides maximum flexibility in setting up the most convenient and efficient quick coupling system needed for the job.

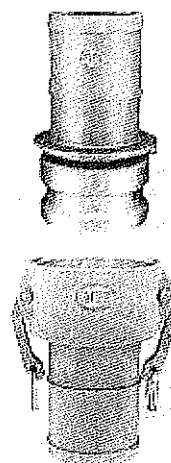
Adaptors and couplers are available with either male or female national pipe or hose shank connection. Each part carries a letter prefix which designates whether it is an adaptor or a coupler and whether it is threaded male or female or hose shank. The letter system is standard in the industry and facilitates proper identification of the basic parts available. Examples are illustrated below.



(Upper) Part A
adaptor with female thread
(Lower) Part D
coupler with female thread.



(Upper) Part F
adaptor with male thread
(Lower) Part B
coupler with male thread.



(Upper) Part E
shank adaptor
(Lower) Part C
shank coupler.

Rite

Secondary Lock Systems for Rite Couplers

The design of cam and groove couplings is such that an increase in internal pressure will increase the clamping force on the cam (handle). Handles will not open due to pressure alone. However, there are applications that for **hazardous and safety reasons** a secondary lock may be desirable.

This is often the case in the chemical industry where dangerous fluids are often present. In many cases a lock is required where a separate and deliberate movement must be performed before the coupling handles can be opened and the coupling halves separated.

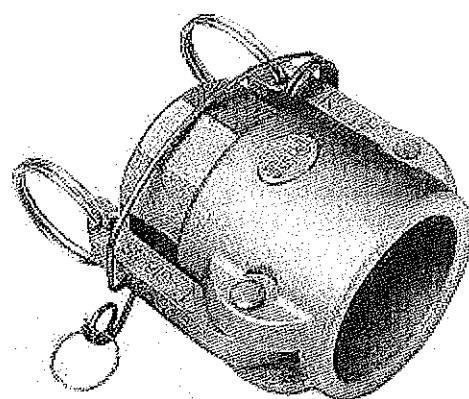


Figure 1

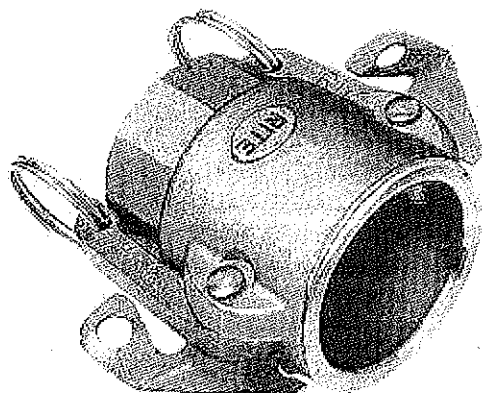


Figure 2

In many locations, pins or other removable mechanical devices are used to provide a lock. These are often difficult to use if the operator is wearing protective equipment and the components are small. Ritepro's secondary locks are an integral part of the coupling and so they do not need to be removed. They are easy to operate, even while wearing gloves.

The Anti-Vibration Spring (**Figure 1**) clamps the handles in position. The spring remains attached to one of the handles when open so it cannot be lost. This lock is easily field retrofit to existing couplers. Just remove the finger ring, slide the spring on and reinstall the ring. A secondary motion is required to place the Spring in lock position.

The Spring Clip (**Figure 2**) locks automatically when the handle is closed. To open the lock, press the Clip to the side and open the handle normally. This system can be retrofit, however, the handle rivets need to be removed.

This option is best ordered from the factory.

The Secondary Coupling Lock (**figure 3**) is an integral part of the coupling design. When the rotational lock is closed, the handles cannot be opened. A secondary motion is required to lock or unlock this device. This is ideal when space is at a premium, i. e. batching where multiple connections are arranged on a manifold.

These locks are available to fit on all coupling styles, B, C, D, and DC as well as all materials aluminium, brass, stainless steel etc.. All the locks are stainless steel for corrosion resistance.

More detailed information on the Secondary Coupling Lock (Figure 3) can be found on Standard Specification Sheet SCL.

For further information on any of these secondary locks, contact your distributor.

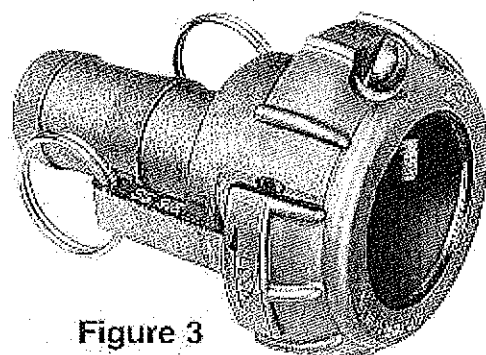
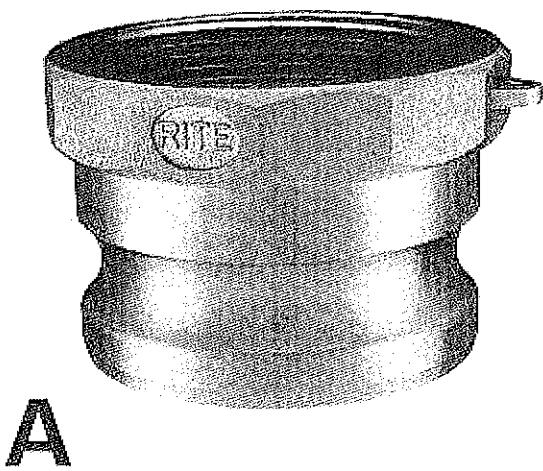


Figure 3

Eight standard parts -

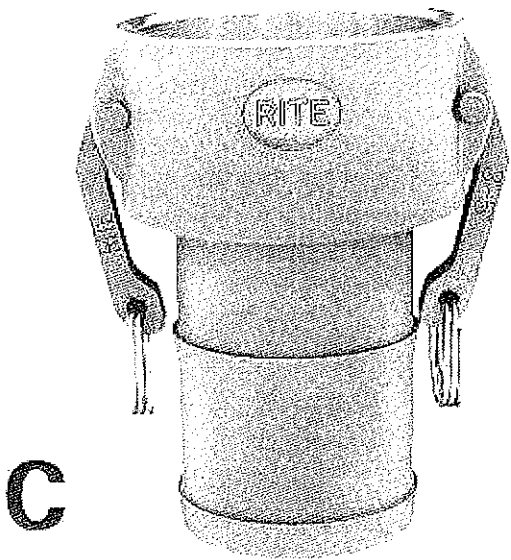
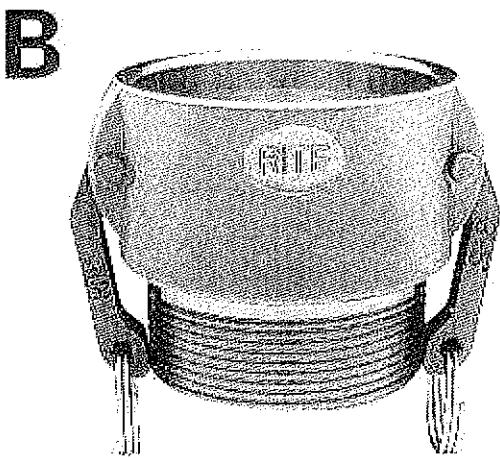


Part A Adaptor Female Thread

| | | | | | | |
|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050A | 075A | 100A | 125A | 150A | 200A |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250A | 300A | 400A | 500A | 600A | 800A |

Part B Coupler Male Thread

| | | | | | | |
|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050B | 075B | 100B | 125B | 150B | 200B |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | |
| Part No. | 250B | 300B | 400B | 500B | 600B | |

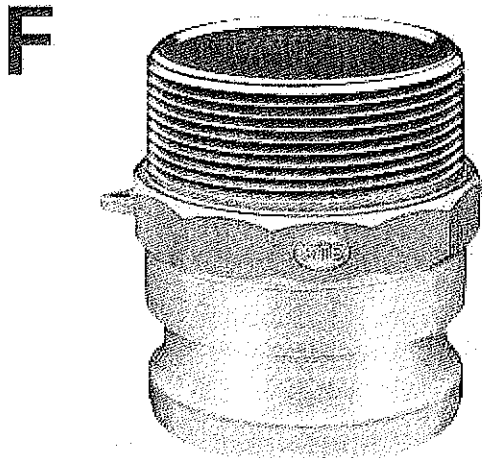


Part C Hose Shank Coupler

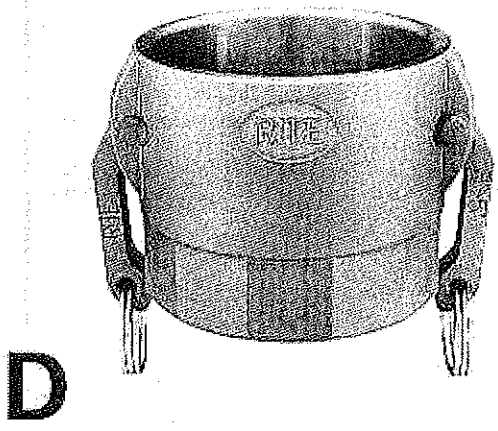
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|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050C | 075C | 100C | 125C | 150C | 200C |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250C | 300C | 400C | 500C | 600C | 800C |

Part F Adaptor Male Thread

| | | | | | | |
|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050F | 075F | 100F | 125F | 150F | 200F |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | |
| Part No. | 250F | 300F | 400F | 500F | 600F | |



each one in 12 sizes



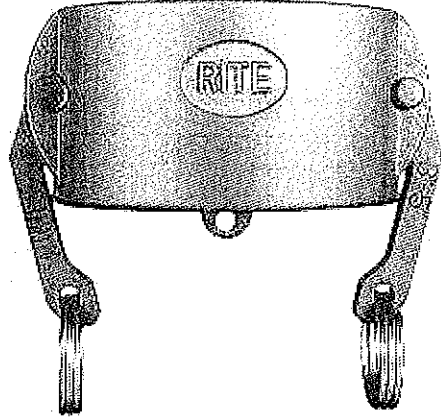
Part D Coupler Female Thread

| | | | | | | |
|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050D | 075D | 100D | 125D | 150D | 200D |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250D | 300D | 400D | 500D | 600D | 800D |

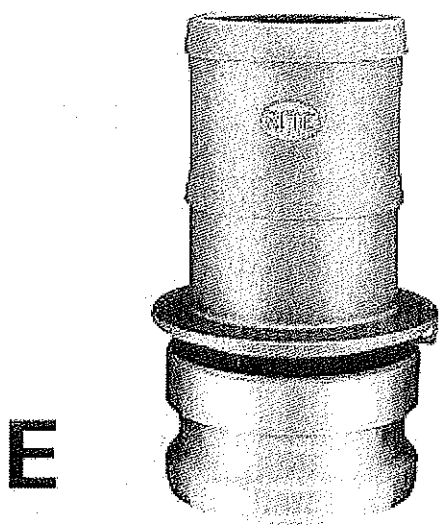
Part DC Dust Cap For adaptors

| | | | | | | |
|----------|--------|-------|-------|--------|--------|-------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050DC | 075DC | 100DC | 125DC | 150DC | 200DC |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250DC | 300DC | 400DC | 500DC | 600DC | 800DC |

DC



Note: Available with NPT or BSP threads. All 1/2" couplers have only one handle. All 8" couplers have four handles.



Part E Hose Shank Adaptor

| | | | | | | |
|----------|--------|------|------|--------|--------|------|
| Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050E | 075E | 100E | 125E | 150E | 200E |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250E | 300E | 400E | 500E | 600E | 800E |

Part DP Dust Plug For Couplers

| | | | | | | |
|----------|--------|-------|-------|--------|--------|-------|
| Size | 1/2" | 3/2" | 1" | 1 1/4" | 1 1/2" | 2" |
| Part No. | 050DP | 075DP | 100DP | 125DP | 150DP | 200DP |
| Size | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Part No. | 250DP | 300DP | 400DP | 500DP | 600DP | 800DP |

DP



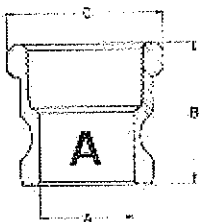
Rite standard dimensions

Index

| Size | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---------------|----------------|-----------------|----------------|----------------|----------------|
| A | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{11}{16}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ |
| B | $\frac{1}{2}$ | $\frac{9}{16}$ | $1\frac{1}{8}$ | $1\frac{3}{8}$ | $1\frac{5}{8}$ | $1\frac{7}{8}$ |
| C | $\frac{5}{8}$ | 1 | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 |

Milestones

| Size Div | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|-------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| A | 14.3 | 20.5 | 21.6 | 20.5 | 35.7 | 46.0 | 56.6 | 73.0 | 97.6 | 122.2 | 149.8 |
| B | 10.9 | 11.2 | 14.5 | 55.6 | 27.2 | 61.9 | 80.9 | 89.9 | 79.3 | 87.3 | 68.9 |
| C | 29.4 | 33.1 | 44.5 | 55.6 | 98.7 | 74.8 | 92.1 | 138.4 | 138.1 | 63.5 | 133.7 |

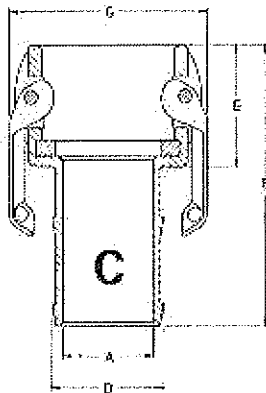


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| 分 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| A | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ |
| B | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{5}{6}$ | $\frac{4}{5}$ | $\frac{6}{7}$ | $\frac{5}{6}$ |
| C | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{5}$ | $\frac{2}{3}$ | $\frac{4}{7}$ | $\frac{3}{5}$ | $\frac{5}{8}$ | $\frac{4}{7}$ | $\frac{6}{9}$ |
| D | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{5}{6}$ | $\frac{4}{5}$ |
| E | $\frac{5}{6}$ | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{5}{6}$ |
| F | $\frac{6}{7}$ | $\frac{5}{6}$ | $\frac{4}{5}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $\frac{4}{5}$ | $\frac{3}{4}$ |

Mileage

| SEX | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | 14.3 | 13.5 | 20.6 | 25.4 | 31.6 | 42.9 | 54.9 | 66.7 | 80.9 | 117.5 | 146.1 |
| B | 98.2 | 64.1 | 92.3 | 164.0 | 109.0 | 235.8 | 126.5 | 190.3 | 169.9 | 187.3 | 230.1 |
| D | 15.1 | 21.4 | 27.8 | 34.1 | 46.5 | 53.2 | 66.7 | 79.4 | 104.8 | 150.2 | 155.6 |
| E | 31.0 | 33.3 | 39.1 | 47.6 | 49.6 | 54.3 | 57.2 | 60.7 | 61.9 | 59.1 | 65.7 |
| G | 42.9 | 56.6 | 61.9 | 79.4 | 86.5 | 99.8 | 130.5 | 139.7 | 153.3 | 193.7 | 268.9 |

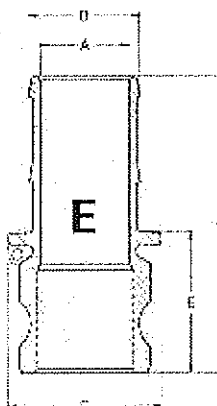


Inches:

| $\frac{a}{b}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 | 5 | 6 |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| A | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 | 5 | 6 |
| B | $\frac{2}{3}$ | 3 | $3\frac{1}{2}$ | $4\frac{1}{2}$ | 5 | $5\frac{1}{2}$ | $6\frac{1}{2}$ | 7 | $8\frac{1}{2}$ | 9 |
| C | $\frac{3}{4}$ | $1\frac{1}{4}$ | $1\frac{3}{4}$ | 2 | $2\frac{3}{4}$ | $3\frac{1}{4}$ | $4\frac{1}{4}$ | $5\frac{1}{4}$ | $6\frac{1}{4}$ | $7\frac{1}{4}$ |
| D | $\frac{4}{5}$ | $\frac{8}{5}$ | $1\frac{3}{5}$ | $1\frac{7}{5}$ | $2\frac{2}{5}$ | $2\frac{6}{5}$ | $3\frac{1}{5}$ | $4\frac{4}{5}$ | $5\frac{3}{5}$ | $6\frac{2}{5}$ |
| E | $1\frac{1}{6}$ | 1 | $1\frac{5}{6}$ | $1\frac{2}{3}$ | $2\frac{1}{6}$ | $2\frac{5}{6}$ | $2\frac{2}{3}$ | $3\frac{1}{2}$ | $4\frac{1}{6}$ | $4\frac{5}{6}$ |

References

| SPE. DISE | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| A | 14.3 | 13.9 | 20.6 | 25.4 | 31.0 | 42.9 | 54.0 | 66.7 | 80.9 | 117.5 | 146.0 |
| B | 61.1 | 78.2 | 90.5 | 108.4 | 112.7 | 131.6 | 149.7 | 169.3 | 175.4 | 200.0 | 247.0 |
| C | 21.4 | 31.8 | 38.5 | 50.6 | 50.7 | 73.0 | 80.2 | 103.2 | 131.0 | 154.0 | 181.0 |
| D | 15.1 | 21.4 | 27.4 | 34.1 | 43.8 | 63.2 | 66.7 | 70.4 | 104.8 | 150.2 | 155.6 |
| E | 26.2 | 25.4 | 33.0 | 49.2 | 52.4 | 61.9 | 80.3 | 96.7 | 97.5 | 89.9 | 75.4 |

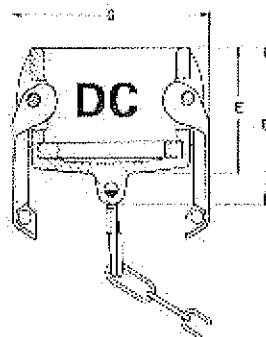


ក្រុងភ្នំពេញ

[illegible]

Abstract

| SIZE DM | 15 | 20 | 25 | 32 | 40 | 50 | 60 | 80 | 100 | 125 | 150 |
|------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| B | 42.9 | 46.1 | 54.0 | 63.5 | 63.5 | 109.9 | 70.6 | 70.4 | 65.7 | 90.5 | 104.0 |
| C | 33.4 | 36.5 | 41.2 | 50.5 | 50.8 | 57.2 | 51.5 | 53.5 | 56.7 | 66.3 | 73.0 |
| D | 42.9 | 50.6 | 61.8 | 79.4 | 86.5 | 96.8 | 109.5 | 129.7 | 108.3 | 194.7 | 263.3 |



Rite

8

Index

| Time Antecedent | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| A | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |
| B | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |
| C | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |
| D | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |
| E | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |
| F | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ | $\frac{1}{12}$ | $\frac{1}{13}$ |

Messages

| SIZE INCH | 18 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|--------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| A | 14.3 | 20.8 | 23.8 | 28.6 | 35.7 | 49.2 | 55.6 | 71.6 | 97.8 | 123.8 | 149.2 |
| B | 17.6 | 55.5 | 60.3 | 63.9 | 73.3 | 79.4 | 80.9 | 93.5 | 100.0 | 113.2 | 104.0 |
| C | 21.0 | 33.3 | 38.5 | 47.6 | 47.6 | 64.0 | 57.9 | 73.7 | 81.9 | 66.1 | 55.7 |
| D | 42.0 | 50.4 | 61.9 | 79.4 | 88.5 | 96.8 | 109.0 | 130.7 | 148.3 | 193.7 | 268.3 |

Inches

| Div | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| A | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ |
| B | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ |
| C | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ |
| D | $\frac{1}{2}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{5}$ | $\frac{1}{6}$ | $\frac{1}{7}$ | $\frac{1}{8}$ | $\frac{1}{9}$ | $\frac{1}{10}$ | $\frac{1}{11}$ |

Intelligence

| SE CIV. | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| A | 4.3 | 20.6 | 23.0 | 28.8 | 35.7 | 47.6 | 64.0 | 73.0 | 97.8 | 122.2 | 149.2 |
| B | 46.0 | 52.4 | 63.3 | 69.0 | 69.9 | 81.0 | 85.7 | 88.9 | 103.3 | 123.2 | 104.9 |
| E | 91.8 | 32.3 | 33.1 | 47.6 | 47.6 | 54.0 | 62.2 | 58.7 | 61.2 | 65.1 | 66.7 |
| G | 42.9 | 58.8 | 61.9 | 79.4 | 83.5 | 96.0 | 59.5 | 135.7 | 169.3 | 192.7 | 200.3 |

inchi

| 2022 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------|----------------|----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|
| Expenditure | | | | | | | | | | |
| A | $\frac{1}{10}$ | $\frac{3}{10}$ | $\frac{11}{10}$ | $\frac{1}{10}$ | $\frac{11}{10}$ | $\frac{11}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ | $\frac{4}{10}$ |
| B | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ | $\frac{3}{10}$ | $\frac{3}{10}$ | $\frac{4}{10}$ | $\frac{4}{10}$ | $\frac{4}{10}$ | $\frac{4}{10}$ |
| C | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ | $\frac{4}{10}$ | $\frac{5}{10}$ | $\frac{7}{10}$ |
| E | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{10}$ | $\frac{3}{10}$ |

4417

| SIZE DIN | 15 | 20 | 25 | 30 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|-------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| A | 14.9 | 20.8 | 24.6 | 29.6 | 35.7 | 46.0 | 55.8 | 73.0 | 95.6 | 122.2 | 149.2 |
| B | 15.2 | 23.5 | 27.5 | 32.8 | 39.8 | 50.5 | 61.6 | 80.2 | 104.5 | 132.7 | 162.7 |
| C | 29.4 | 38.1 | 44.6 | 55.6 | 65.7 | 74.6 | 92.1 | 105.4 | 138.1 | 161.5 | 193.7 |
| E | 38.9 | 41.3 | 44.5 | 54.6 | 61.6 | 61.9 | 83.1 | 89.9 | 77.0 | 77.8 | 79.4 |

ក្រដាស

| $\frac{S_{22}}{Dm(\% \text{ O})}$ | 7 | $\frac{3}{4}$ | 1 | $1\frac{1}{2}$ | $1\frac{1}{4}$ | 2 | $2\frac{1}{2}$ | 3 | 4 | 5 | 6 |
|-----------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|
| B | $1\frac{1}{16}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{1}{2}$ | $2\frac{1}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | 3 | $3\frac{1}{16}$ | $3\frac{1}{8}$ |
| E | $1\frac{1}{16}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $\frac{5}{8}$ | $2\frac{1}{4}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ |

Abstract

| SIZE DM | 15 | 20 | 25 | 32 | 40 | 50 | 56 | 60 | 100 | 125 | 150 |
|------------|------|------|------|------|------|------|------|------|------|------|------|
| H | 35.7 | 35.1 | 35.2 | 35.0 | 37.2 | 41.9 | 73.7 | 69.9 | 78.2 | 61.0 | 93.7 |
| E | 23.2 | 23.6 | 30.5 | 42.9 | 44.5 | 49.2 | 54.0 | 61.0 | 57.2 | 55.7 | 61.9 |

Available in Aluminium, Bronze, Ductile Iron and Stainless Steel

Overall width with Cams open

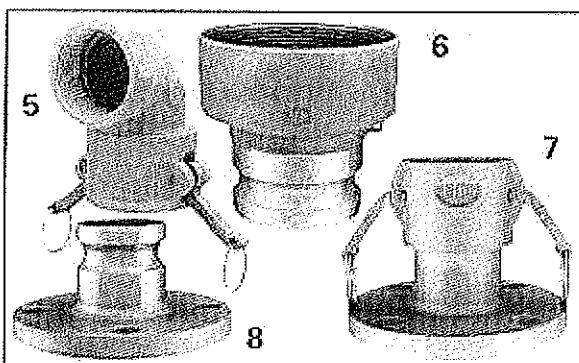
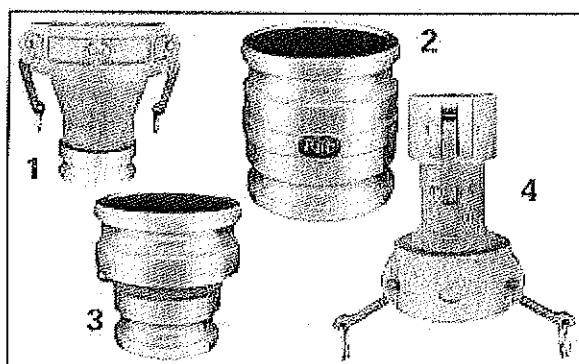
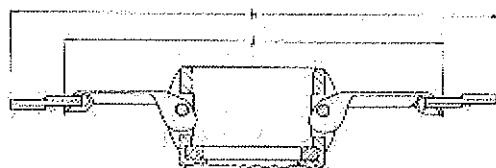
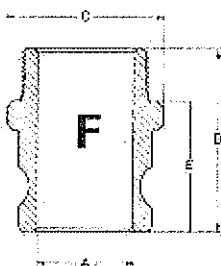
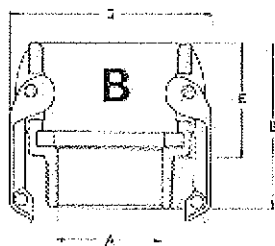
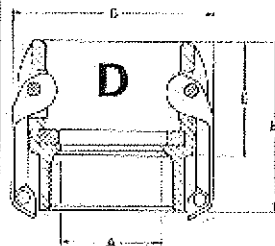
Inches

| Size | 1 | 1 1/2 | 2 | 3 | 4 | 5 | 6 |
|------|-------|-------|-------|-------|--------|--------|--------|
| H | 5 1/2 | 6 1/2 | 7 1/2 | 9 1/2 | 10 1/2 | 12 1/2 | 14 1/2 |
| J | 4 1/2 | 5 1/2 | 6 1/2 | 7 1/2 | 8 1/2 | 9 1/2 | 10 1/2 |

Millimetres

| SIZE | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| H | 141.2 | 157.2 | 181.0 | 235.0 | 244.5 | 254.0 | 286.2 | 311.2 | 330.7 | 360.3 | 487.4 |
| J | 103.2 | 111.1 | 139.7 | 182.6 | 184.9 | 185.0 | 211.1 | 247.7 | 275.2 | 304.8 | 412.1 |

*One handle only (divide "J" & "H" by two)



Standard units for special jobs

We have illustrated in the two pictures opposite, only eight variations of our standard parts for special applications. We have many more in stock. Call or write us if you have a special application. If we don't already have it in stock we will design and make one to your specifications.

Upper left picture

1. Combination Coupler and Adaptor for connecting different sizes of pipe or hose.
2. Spool Adaptor to connect two lengths of hose when both have coupler ends.
3. Spool Adaptor and reducer.
4. Spool Coupler and reducer for two lengths of hose with adaptor ends. Available in all sizes for reducing and increasing.

Lower left picture

5. 90° Elbow Coupler.
6. Tank car Adaptor with female thread.
7. FLB Tank Truck Round Flange Coupler.
8. FLA Tank Truck Round Flange Adaptor.

Line Pressure Ratings

Inches/psi

| Size | Aluminium, Bronze Ductile Iron | Stainless Steel Steel & Monel |
|-------|--------------------------------|-------------------------------|
| 1/2 | 150 | 150 |
| 3/4 | 250 | 250 |
| 1 | 250 | 250 |
| 1 1/4 | 250 | 250 |
| 1 1/2 | 250 | 250 |
| 2 | 250 | 250 |
| 2 1/2 | 150 | 225 |
| 3 | 125 | 200 |
| 4 | 100 | 100 |
| 5 | 75 | 100 |
| 6 | 75 | 100 |
| 8 | 75 | 100 |

Millimetres/kg/cm²

| Size | Aluminium, Bronze Ductile Iron | Stainless Steel Steel & Monel |
|------|--------------------------------|-------------------------------|
| 15 | 10.54 | 10.54 |
| 20 | 17.58 | 17.58 |
| 25 | 17.58 | 17.58 |
| 32 | 17.58 | 17.58 |
| 40 | 17.58 | 17.58 |
| 50 | 17.58 | 17.58 |
| 65 | 10.54 | 15.82 |
| 80 | 8.79 | 14.06 |
| 100 | 7.03 | 7.03 |
| 125 | 5.27 | 7.03 |
| 150 | 5.27 | 7.03 |
| 200 | 5.27 | 7.03 |

For information about sizes other than shown on these pages, please contact your distributor.

Rite

Available in Aluminium, Bronze, Ductile Iron and Stainless Steel

All eight basic parts are available in Aluminium, Bronze, Ductile Iron and Stainless Steel. You may order parts in other materials. If you need special materials, call or write us. We will be pleased to supply specifications and prices.

There is a table on the inside back cover of this catalogue which lists suggested materials and product applications. Do not hesitate to contact us to discuss your requirements.

A general guide to gasket materials

Be sure to specify gasket materials when ordering couplers. We have listed below a brief recommendation for the five different gasket materials which are available.

Special gasket applications are listed in the table on the inside back cover of this catalogue.

Please write or call us if you would like additional information.

BUNA N: Buna N is standard specification. It is recommended for petroleum derivatives, neutral or slightly acidic salt solutions, alcohols, ethers, glycols, fats, oils and greases. This compound will give good service from -40 F. to 250 F.

NEOPRENE: Neoprene is recommended for alkaline and acid salt solutions and aldehydes.

VITON: Viton is recommended for aromatics, hydrocarbons, liquid chlorine, carbon disulfide and molten sulphur. It is not recommended for esters or the ketone family. It is serviceable from -20 F. to +400 F.

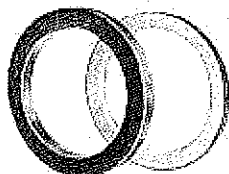
BUTYL: Butyl is recommended for anhydrous ammonia, Skydrol, acetone, methyl ethyl ketone and oxidizing chemicals.

TEFLON: The standard teflon gasket is an envelope with a Buna N core. Viton core gaskets are also available. Teflon is recommended for highly oxidizing fluids, esters, ketones and other liquids not generally handled by either natural or synthetic rubbers.

Gaskets are available made from a wide variety of compounds such as Thiokol, Pure Gum, Silicone, and Hypalon. Write us for further information.

How to order

Use the following code in ordering adaptors, couplers and gasket materials.



| | | | | | | | | | | | | |
|-----------------|-----|-----|-----|--------|--------|-----|--------|-----|-----|-----|-----|-----|
| Size in inches: | 1/8 | 3/8 | 1" | 1 1/2" | 1 3/4" | 2" | 2 1/2" | 3" | 4" | 5" | 6" | 8" |
| Code Number | 050 | 075 | 100 | 125 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 800 |

| | | | | | | | | | |
|-------------|-----------------------|--|--|---------------------|--|--|--------------------|--|--|
| Description | Adaptor Female Thread | | | Adaptor Male Thread | | | Adaptor Hose Shank | | |
| Code Letter | A | | | F | | | E | | |

| | | | | | | | | | |
|-------------|-----------------------|--|--|---------------------|--|--|--------------------|--|--|
| Description | Coupler Female Thread | | | Coupler Male Thread | | | Coupler Hose Shank | | |
| Code Letter | D | | | B | | | C | | |

| | | | | | | |
|-------------|-----------|--|--|----------|--|--|
| Description | Dust Plug | | | Dust Cap | | |
| Code Letter | D.P. | | | D.C. | | |

| | | | | | |
|---------------|-----------|--------|---------|-----------------|--|
| Body Material | Aluminium | Bronze | Ductile | Stainless Steel | |
| Code Letter | A | B | D | S | |

| | | | | | |
|-----------------|--------|----------|-------|-------|--------|
| Gasket Material | Buna N | Neoprene | Viton | Butyl | Teflon |
| Code Letter | B | N | V | Bu | T |

The complete code number should be written in this order:

SIZE, PART DESCRIPTION, BODY MATERIAL, GASKET MATERIAL

5 only 100 F.A. = 5 only 1" Adaptor with male thread, aluminium construction.

5 only 200 C.BB. = 5 only 2" Coupler with hose shank, bronze construction, Buna gasket.

| | |
|----------|----|
| Buna N | B |
| Neoprene | N |
| Viton | V |
| Butyl | Bu |
| Teflon | T |

These recommendations are based on pure chemicals at normal operating temperatures. Contact us for recommendations if your product is diethyl sedacate, coke oven gas, hydrochloric acid, mercuriochloride, methyl amyl acetate, muriatic acid, pentachlorophenol, sodium phosphate, stannic chloride, sulfuric acid or any name not shown in the table below.

[illegible][illegible]

Prices and Quotations

Prices quoted do not include taxes and are F.O.B. our plant.
All quotations by our distributors are subject to confirmation
and acceptance by head office. Quotations are firm for 30 days.

Cancellations and Returns

Firm orders accepted by us may only be cancelled subject
to recovery of costs incurred. No goods may be returned for
credit unless authorized by head office and subject to
restocking and handling charges.

Couplers and adaptors manufactured
for special applications cannot be
returned for credit.

Warranty

Ritepro Corporation warrants any of its products against defects of
materials or workmanship for a period of one year from date
of shipment and is limited to repair, replacement or
refunding of purchase price. We will not be responsible for
any claims for labour or any other expenses or
consequential or secondary damages in any case.

Registration

Couplings are registered in all Canadian Provinces under the authority
of the Boiler and Pressure Vessels Act, as detailed in CSA Standard B51.

Base Canadian Registration Number OA 0577.6



Ritepro Corporation

A subsidiary of Bray International Inc.



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