DRY BARREL FIRE HYDRANT

PRODUCT OVERVIEW

Fireguard has designed hydrants to assure reliable and high performance product according to ANSI/ AWWA C502,UL246 and FM1510 standard requirements.
Dry barrel hydrants have been used in fire protection for over 100 years. Hydrants are considered as critical piece of emergency equipment and should be fully reliable equipment to function when required.

Fireguard hydrants are easy to maintain and are supplied with repair kits.

Hydrant body is of ductile iron with stainless steel stem.

The wedge is of ductile iron fully encapsulated with EPDM rubber.

Designed as per AWWA C502

Meets or exceeds all the latest provision of AWWA and UL 246 FM 1510 standards.

Break away design to prevent accidents to the hydrants, where only the upper part of the flange would be broke upon impact.

High working pressure of 250psi with 500psi testing pressure

Simple rugged construction and easy to maintain

2 x 2.5” NST hose nozzles + 1 x 4½”& 4" NST pumper nozzle Fully and easily lubricated operating threads for corrosion protection

Barrel length extension kit in different lengths is available on request

SPECIFICATION:

Body: Ductile iron

Wedge: Ductile iron encapsulated with EPDM

Inlet: ANSI Flanged

Outlet: 2 x 2.5" NST + 1 x 4½” & 4"

Working pressure: 250 Psi

Test Pressure : 500 Psi

UL LISTED

Model FGH 701 & FGH 702
Model FGH701-4.5/2.5
Model FGH701-4/2.5

Working pressure 250 Psi

Test Pressure 500 Psi

Besides repair kits for our hydrants have various accessories such as extension spindles,Street covers,Different stem caps which completes our valves and hydrants.

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Technical Specification

FIRE HYDRANT

※ Unique shock,Low torque design effectively prevents the opening and closing.

※ Gland nut- designed to prevent unauthorized removal of operating nut.The seal prevents water entry to protect operating nut from freezing. .

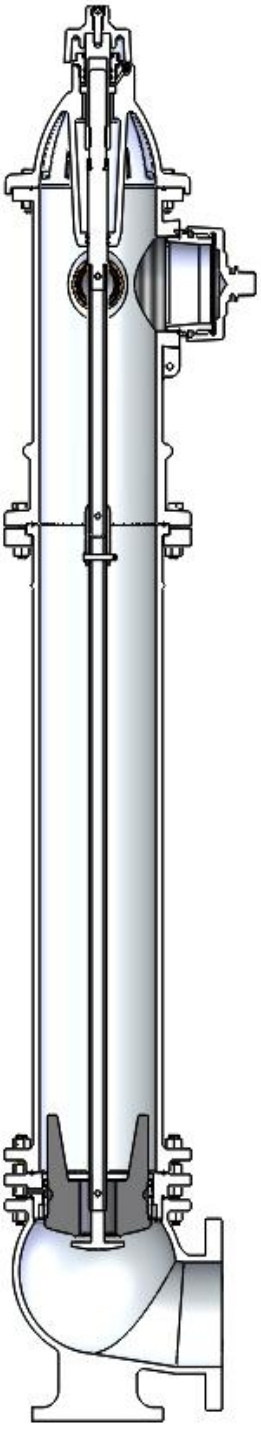
※ oil cap - Allows quick check of the oil for lubrication of internal components.

※ The Sealed oil reservoir- O-rings seal to prevent leakage, Every time the hydrant is opened liquid lubricant automaticaly lubricate the stem threads and bearing surface.

※ Security flange - to help prevent traffic injury, and sufficient strength under normal operation, allowing easy maintenance, without digging or turn off the water.。

※ O-rings - better leakage prevention and easy maintenance.

※ Galvanized bolts and nuts - Prevents corrosion。



※ Bronze drain screw plug - Prevents corrosion , keep fire hydrant with effective drainage flushing.

※ Bronze seat ring- Easy to tighten and remove with O ring seal, can use simple tools to remove or install above the ground for effective drainage.

※ Rubber plug plate - rubber material has a longer life expectancy and effectively guarantee the hydrant close seal.

※ Start bar - galvanized processing surface corrosion effectively.

Taper interface - provide a variable diameter inlet interface, which can realize different pipe size.

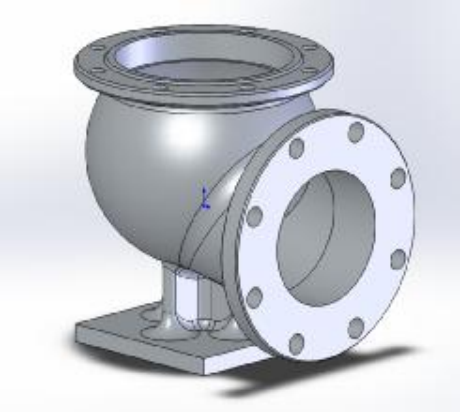
※ Can guarantee the performance - meet or exceed ANSI/AWWA C502, UL246 and FM1510 standard requirements.

※ 250 psi (1723 kpa) level - the maximum working pressure and 500 psi (3447 kpa)testing pressure

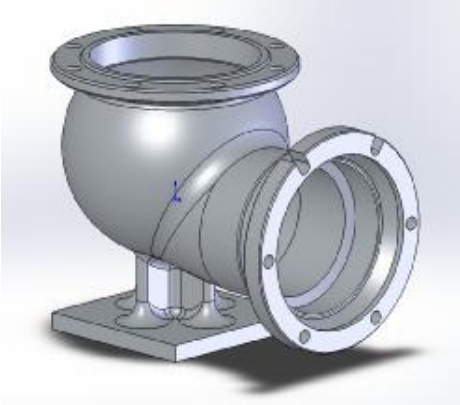
※ Outlet thread according to NFPA 1963

※ 10 years guarantee period - to maintain stability

FIRE PROTECTION PRODUCTS
FIRE HYDRANTS WATER INLET CONNECTION SIZE AND MODEL



FGH701 FLANGE INLET



FGH702 MECHANICAL JOINT INLET

Model	Base-Valve Size, inch	Hose Outlet	Pumper Outlet	Type of inlet	Listing
FGH701	6	2.5”	4 ½”	Flanged	UL
FGH702	6	2.5”	4 ½”	Mechanical joint	UL
FGH701-4.5/2.5	5 ¼”	2.5”	4 ½”	Flanged	UL
FGH701-4/2.5	5 ¼”	2.5”	4 ”	Flanged	UL

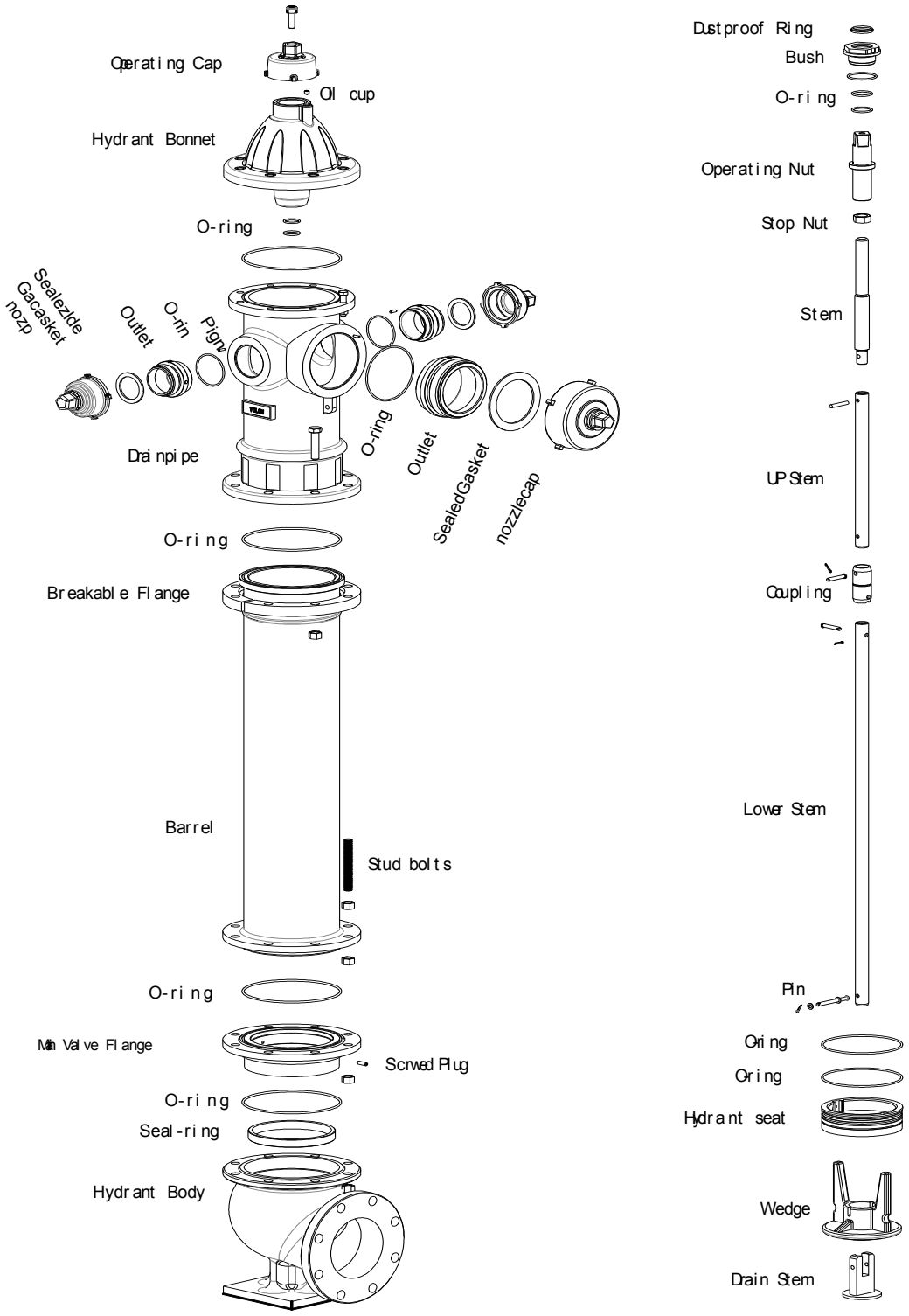
Optional: For 4" pipes we can supply Flange inlet with 4" size.

※ **FLANGED INLET-** For flanged end pipe or when used with a flanged end auxiliary gate valve. The flange is faced and drilled to the125 lbs. American Standard – ANSI

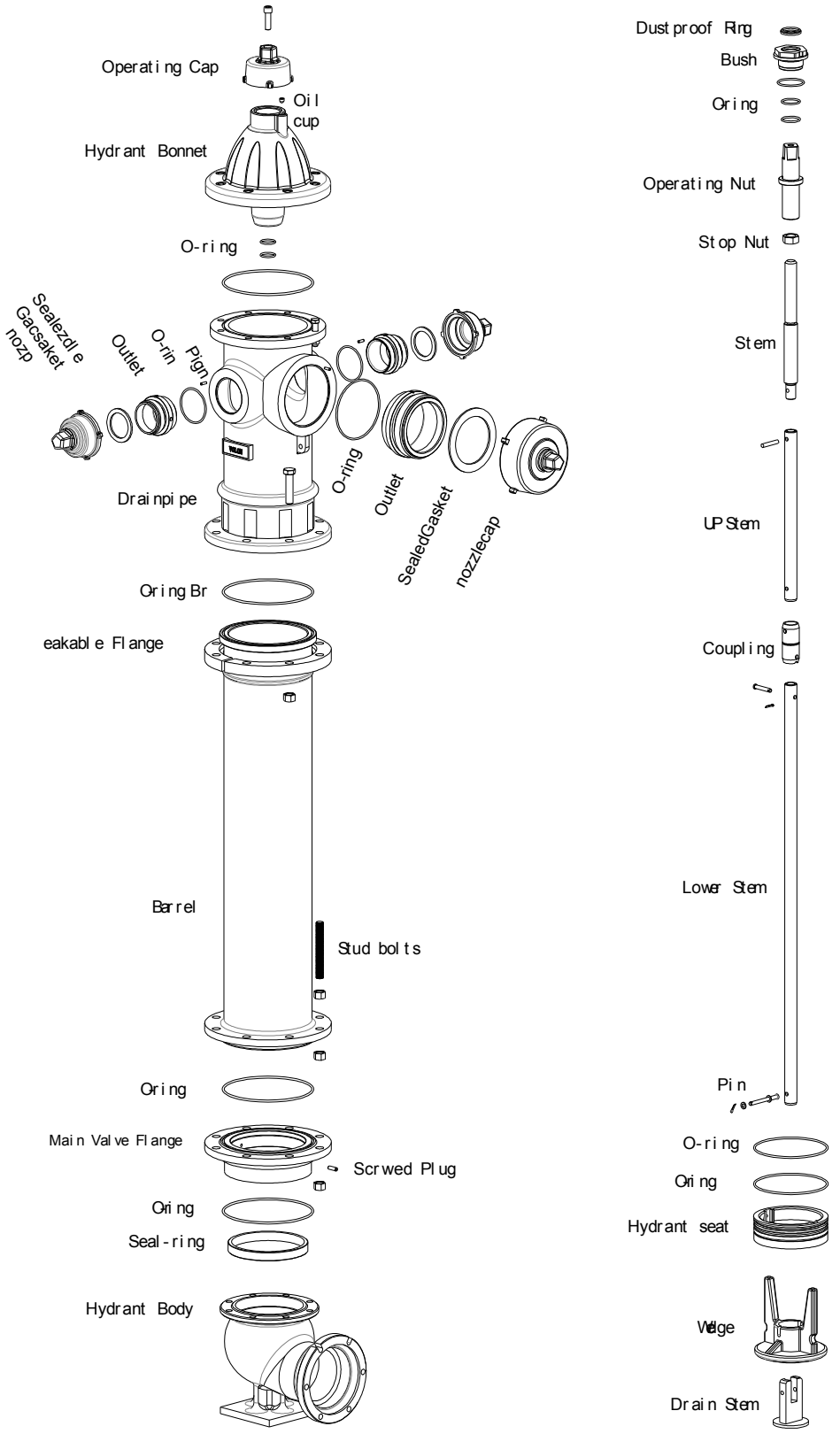
※ **MECHANICAL JOINT INLET-** For use on Ductile Iron, C900 PVC and Cast Iron pipe with end demension complyant with ANSI/AWWA C111. Fur-nished with the connecting gland, plain rubber gasket, and bolts and nuts, un-less otherwise specified. Inlet has two strapping lugs. Can also be furnished on order with set screws in the gland

※ **ADAPTER FLANGE** - provides an adapter flange, implement different pipe size.

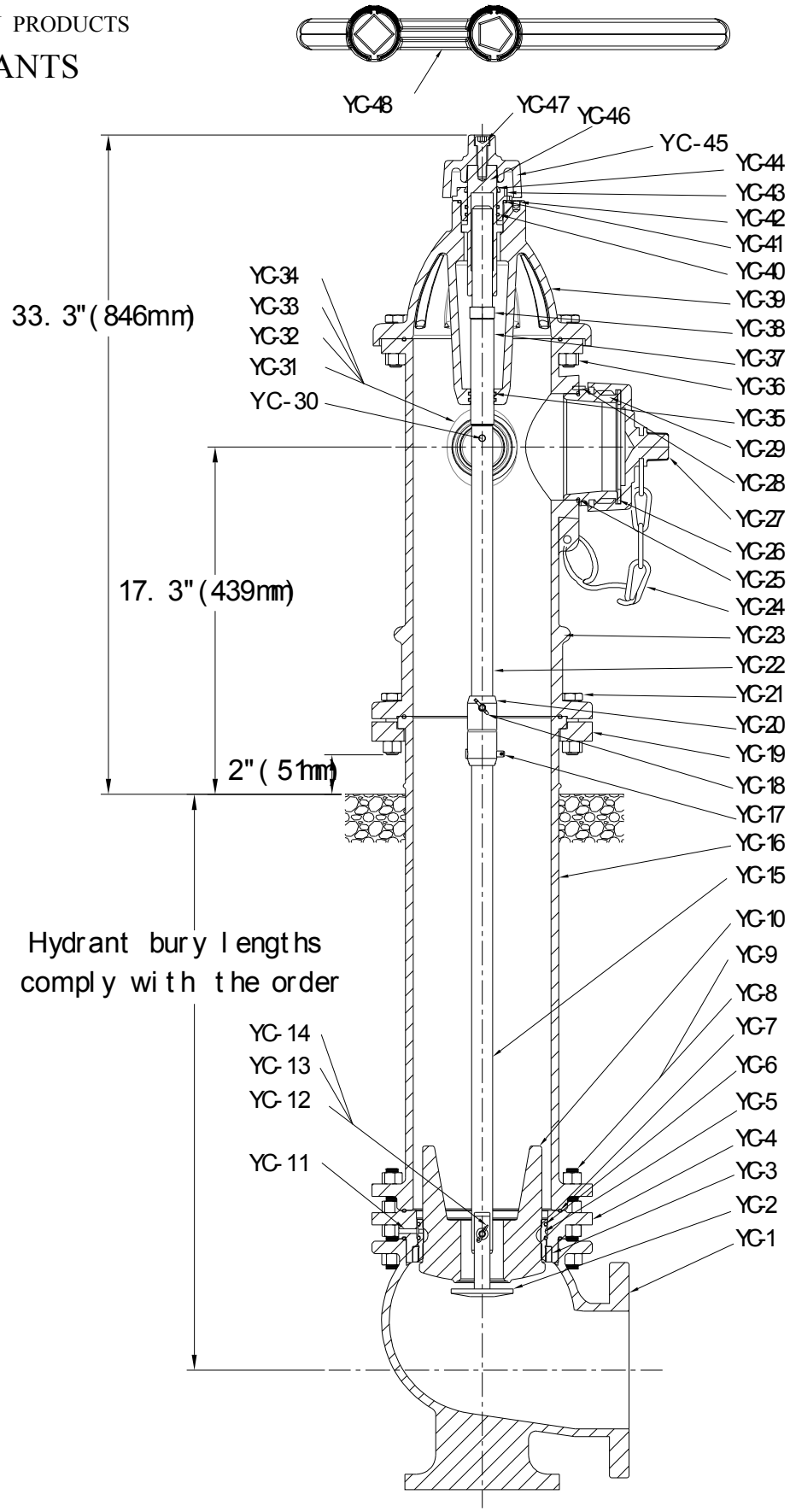
FGH701 FIRE HYDRANTS



FGH702 FIRE HYDRANTS



FIRE HYDRANTS



NO.	Description	Material	Material standard
YC-1	Hydrant Body	Ductile Iron	ASTM A536 65-45-12
YC-2	Drain Stem	Stainless Steel	SS304
YC-3	Seal-ring	Bronze	ASTM B584
YC-4	Main Valve Flange	Ductile Iron	ASTM A536 65-45-12
YC-5	Hydrant seat YC-6	Bronze	ASTM B584
YC-6	O-ring	EPDM	ASTM D2000
YC-7	O-ring	EPDM	ASTM D2000
YC-8	Stud bolts	Steel	ASTM A307
YC-9	Nuts	Steel	ASTM A307
YC-10	Wedge	DI.+EPDM	
YC-11	Scrwed Plug	Bronze	ASTM B584
YC-12	Pin Axes	Stainless Steel	SS304
YC-13	Pin	Stainless Steel	SS304
YC-14	Washer	Stainless Steel	SS304
YC-15	Lower Stem	Steel	ASTM A29M 1020 Plated
YC-16	Barrel	Ductile Iron	ASTM A536 65-45-12
YC-17	Pin Axes	Stainless Steel	SS304
YC-18	Pin	Stainless Steel	SS304
YC-19	Breakable flange	Cast Iron	ASTM A126 CL.B
YC-20	Coupling	Ductile Iron	ASTM A536 65-45-12
YC-21	Bolts	Steel	ASTM A307
YC-22	Up Stem	Steel	ASTM A29M 1020 Plated
YC-23	Drainpipe	Ductile Iron	ASTM A536 65-45-12
YC-24	Link	Steel	Plated
YC-25	O-ring	EPDM	ASTM D2000
YC-26	Sealed Gasket	EPDM	ASTM D2000
YC-27	Nozzle Cap	Ductile Iron	ASTM A536 65-45-12
YC-28	Pin	Stainless Steel	SS304
YC-29	Outlet	Bronze	ASTM B584
YC-30	Pin	Stainless Steel	SS304
YC-31	Sealed Gasket	EPDM	ASTM D2000
YC-32	Nozzle Cap	Ductile Iron	ASTM A536 65-45-12
YC-33	O-ring	EPDM	ASTM D2000
YC-34	Outlet	Bronze	ASTM B584
YC-35	O-ring	EPDM	ASTM D2000
YC-36	Nuts	Steel	ASTM A307
YC-37	Stem	Stainless Steel	SS304
YC-38	Stop Nut	Steel	ASTM A29M 1045
YC-39	Hydrant Bonnet	Ductile Iron	ASTM A536 65-45-12
YC-40	O-ring	EPDM	ASTM D2000
YC-41	O-ring	EPDM	ASTM D2000
YC-42	Oil cup		
YC-43	Bush	Bronze	ASTM B584
YC-44	Dust proof ring	EPDM	ASTM D2000
YC-45	Operating cap	Ductile Iron	ASTM A536 65-45-12
YC-46	Operating nut	Bronze	ASTM B584
YC-47	Socket head bolt	Steel	ASTM A307
YC-48	Wrench	Ductile Iron	ASTM A536 65-45-12

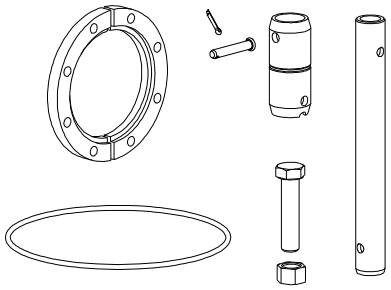
FIRE HYDRANT REPAIR KITS

The main valve repair parts:

- ※ YC-2 Drain Stem
- ※ YC-5 **Hydrant seat**
- ※ YC-6 O-ring
- ※ YC-10 Wedge
- ※ YC-12 Pin Axes
- ※ YC-13 **Pin**
- ※ YC-14 **Washer**
- ※ YC-15 **Lower Stem**

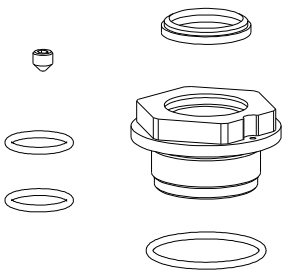
Safety Flange Repair Kit consists of --- ※

- ※ YC-19 **Breakable Flange**
- ※ YC-21 **Bolts**
- ※ YC-22 **Up Stem**
- ※ YC-17 Pin Axes
- ※ YC-18 **Pin**
- ※ YC-20 **Coupling**



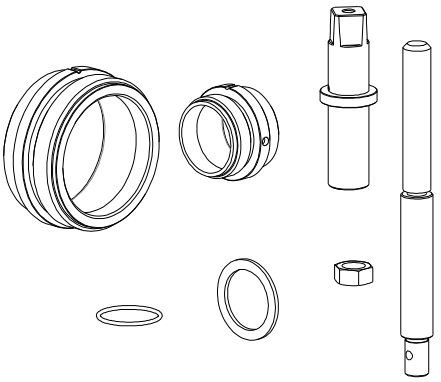
Bonnet Repair Kit consists of ---

- ※ YC-35 O-Ring
- ※ YC-40 O-Ring
- ※ YC-41 O-Ring
- ※ YC-42 **Oil cup**
- ※※ YC-43 **Bush**
- ※※ YC-44 **Dustproof Ring**



Extension Kit consists of ---

- ※ YC-29 **Outlet**
- ※ YC-34 **Outlet**
- ※ YC-37 **Stem**
- ※ YC-38 **Stop Nut**
- ※ YC-46 **Hydrant Bonnet**
- ※ Each part O - Ring and rubber parts



To protect products and replacement of parts with accessories

SLEEVE –

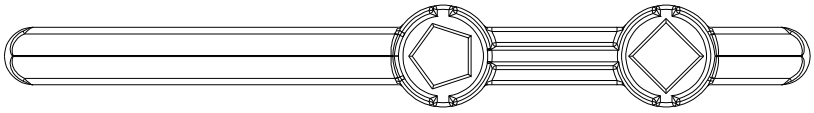
Protects O-rings from being damaged

by stems threads when removing the housing from the upper stem for any reason.

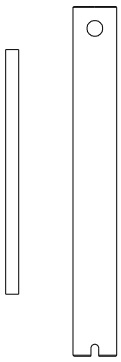
To order specify - Quantity and Catalog Number

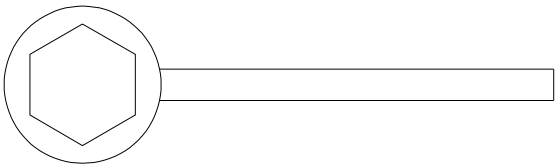
OPERATING WRENCH –

Used to operate nozzle caps, Operating Cap， Operating Nut， close and open the hydrant



Wrench - used to changing a Bush, Stop the Nut, and filed a seat, replace o-rings





To order specify - Quantity and Catalog Number

When placing a order for fire hydrant, please comply with:
1.If more than one kind of specification, please pointed out respectively

2. The main valve opening size and model, see page 3.
   Decided to fire hydrant size and inlet type

3. The buried depth, see page 6
   By the inlet center distance to the horizon,

4. Close the direction
   Clockwise closing fire hydrant, regular, counterclockwise closed fire hydrant if required, please specify.

5. The hose nozzle thread and fire engine nozzle
   Thread in line with general international hose connection standard NFPA1963, hose nozzle screw thread is 2.5 "7.5 NH, fire engine nozzle thread 4.5-4 "nh.

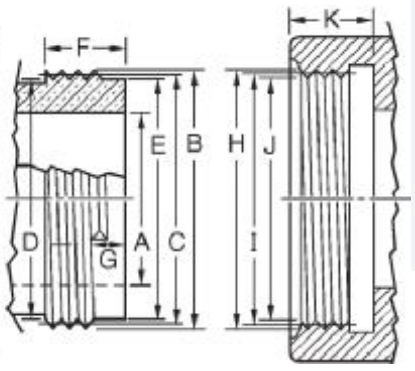
6. Color:
   Unless otherwise specified, fire hydrant surface color to red.

7. When we need to place an order parts, details are as follows:

   The number of
   Part number and name Size
   and catalogue number Open
   direction
   Buried depth

National Standard hose coupling thread specifications

A. Nominal inside diameter of nozzle		2-1/2"	3"	3-1/2"	4"	4-1/2"
Number of threads per inch		7-1/2	6	6	4	4
B. Major diameter nozzle thread	Max.	3.0686	3.6239	4.2439	5.0109	5.7609
	Min.	3.0366	3.5879	4.2079	4.9609	5.7109
C. Pitch diameter nozzle thread	Max.	2.9820	3.5156	4.1356	4.8485	5.5985
	Min.	2.9660	3.4976	4.1176	4.8235	5.5735
D. Minor diameter nozzle thread	Max.	2.8954	3.4073	4.0273	4.6861	5.4361
E. Diameter pilot nozzle		2.850	3.354	3.973	4.610	5.357
F.* Length of thread-nozzle		1"	1-1/8"	1-1/8"	1-1/4"	1-1/4"
G. Face to start of second turn		1/4"	5/16"	5/16"	7/16"	7/16"
H. Major diameter cplg. thread	Min.	3.0836	3.6389	4.2639	5.0359	5.7859
I. Pitch diameter coupling thread	Max.	3.0130	3.5486	4.1736	4.8985	5.6485
	Min.	2.9970	3.5306	4.1556	4.8735	5.6235
J. Minor diameter coupling thread	Max.	2.9424	3.4583	4.0833	4.7611	5.5111
	Min.	2.9104	3.4223	4.0473	4.7111	5.4611
K. Depth of coupling		15/16"	1-1/16"	1-1/16"	1-3/16"	1-3/16"



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