

# HOLDERS

## Straight Heavy-Duty Ejector Holders - Swivel head

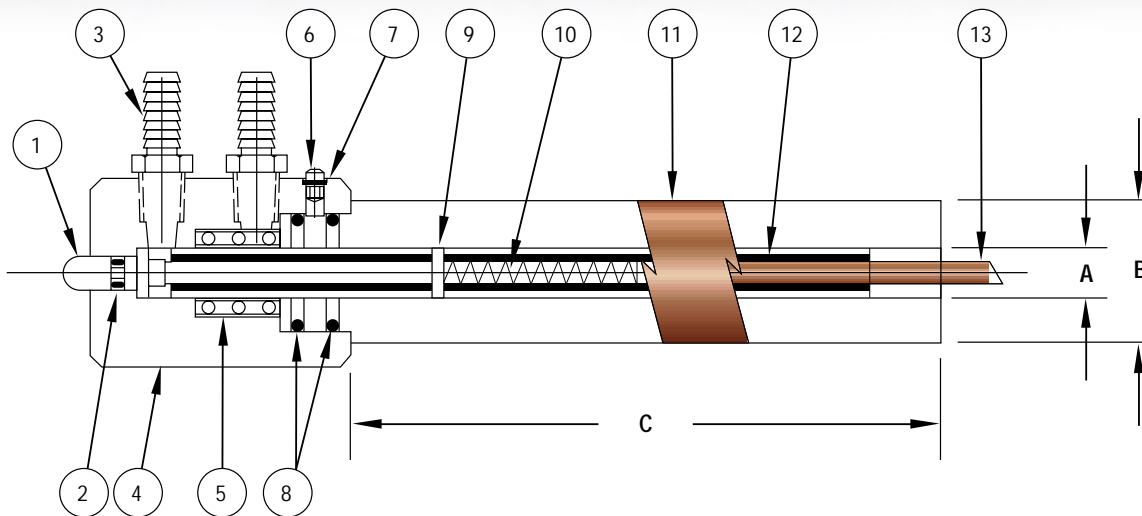


FIGURE 6-1 (Material RWMA Class 2)

**THE CENTERLINE HEAVY DUTY EJECTOR HOLDER HAS BEEN DESIGNED TO PROVIDE LONGER SERVICE LIFE WITH:**

- **tough RWMA Class 2 alloy barrel**  
– resists deformation of the tapered end

- **spring-loaded water tube** – properly positioned in electrode automatically

- **leak-proof water seals**

- **impact-resistant stainless steel ejector in a rugged, high-strength Bronze Head** – for positive ejection

- **tested water flow rate of better than 2.0 gpm at 30 psi.** – assures adequate cooling of electrode and holder

All CenterLine Holders are constructed entirely of non-magnetic, corrosion-resistant components.

- **stainless steel ejector tube**

HEAVY DUTY HOLDER					REPLACEMENT PARTS			
Complete Holder #	RW Taper	A Taper Diameter	B Barrel Diameter	C Barrel Length	11	12	13	4
					Barrel	Ejector Tube	Water Tube	Head
EAK-40608	4	.463 (11.76)	.75 (19.05)	8	RW-2201-4	RW-2301	RW-2401	RW-2101
EAK-40708	4	.463 (11.76)	.88 (22.35)	8	RW-2202-4	RW-2301	RW-2401	RW-2101
EAK-40808	4	.463 (11.76)	1.00 (25.40)	8	RW-2203-4	RW-2301	RW-2401	RW-2101
EAK-40812	4	.463 (11.76)	1.00 (25.40)	12	RW-2213-4	RW-2311	RW-2401	RW-2101
EAK-41008	4	.463 (11.76)	1.25 (31.75)	8	RW-2204-4	RW-2301	RW-2401	RW-2102
EAK-41012	4	.463 (11.76)	1.25 (31.75)	12	RW-2214-4	RW-2311	RW-2401	RW-2102
EAK-50808	5	.625 (15.88)	1.00 (25.40)	8	RW-2203-5	RW-2302	RW-2402	RW-2101
EAK-50812	5	.625 (15.88)	1.00 (25.40)	12	RW-2213-5	RW-2312	RW-2402	RW-2101
EAK-51008	5	.625 (15.88)	1.25 (31.75)	8	RW-2204-5	RW-2302	RW-2402	RW-2102
EAK-51012	5	.625 (15.88)	1.25 (31.75)	12	RW-2214-5	RW-2312	RW-2402	RW-2102
EAK-51208	5	.625 (15.88)	1.50 (38.10)	8	RW-2205-5	RW-2302	RW-2402	RW-2102
EAK-51212	5	.625 (15.88)	1.50 (38.10)	12	RW-2215-5	RW-2312	RW-2402	RW-2102
EAK-71208	7	.875 (22.23)	1.50 (38.10)	8	RW-2205-7	RW-2303	RW-2402	RW-2102
EAK-71212	7	.875 (22.23)	1.50 (38.10)	12	RW-2215-7	RW-2313	RW-2402	RW-2102

STANDARD REPLACEMENT PARTS		
Detail No.	Part No.	Part Name
1	RW-2501	Ejector Pin
2	RW-2850	O-Ring – Ejector Pin
3	RW-1015	Hose fitting
5	RW-2820	Ejector Return Spring
6	RW-2601	Retaining Screw
7	RW-2810	Retaining Screw Washer
8	RW-2860*	O-Ring – Barrel (2) Req'd
9	RW-2840	Retaining Pin – Ejector Spring
10	RW-2830	Water Tube Spring

\*SPECIFY O-RING RW-2861 FOR BARREL DIAMETERS OF 1.25 (31.75) AND 1.50 (38.10)–(2 REQ'D)

• Dimensions Shown Are: inches (mm).

# HOLDERS

## Standard Non-Ejector Holders

- RW-1015 Brass Connection Fits 3/8 Hose

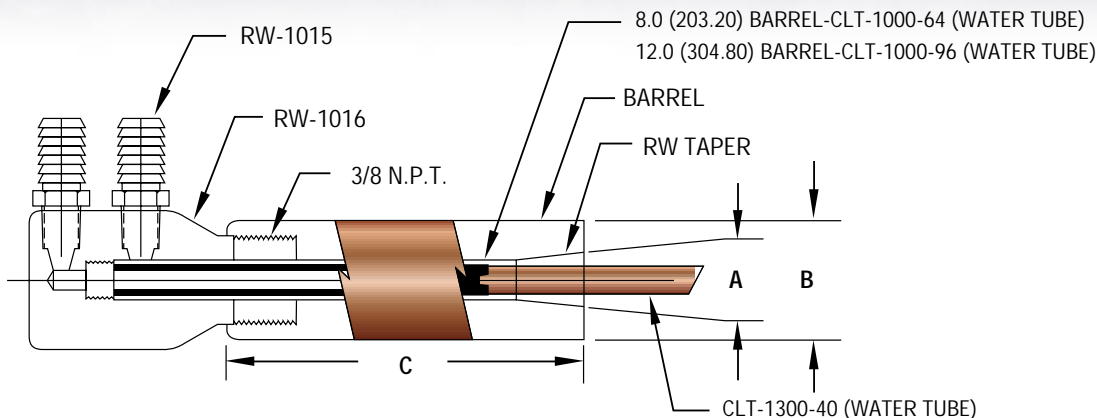


FIGURE 6-2 (Material RWMA Class 2)

HOLDER #	A10804	A20804	A30804	A30805	A40805	A50805	A31204	A31205	A41205
RW Taper	4	4	4	5	5	5	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.463 (11.76)	.625 (15.88)	.625 (15.88)	.625 (15.88)	.463 (11.76)	.625 (15.88)	.625 (15.88)
B – Diameter	.75 (19.05)	.88 (22.23)	1.00 (25.40)	1.00 (25.40)	1.25 (31.75)	1.50 (38.10)	1.00 (25.40)	1.00 (25.40)	1.25 (31.75)
C – Length	8.0 (203.20)	8.0 (203.20)	8.0 (203.20)	8.0 (203.20)	8.0 (203.20)	8.0 (203.20)	12.0 (304.80)	12.0 (304.80)	12.0 (304.80)
BARREL	RW-1121-2	RW-1121-3	RW-1121-4	RW-1121-6	RW-1121-7	RW-1121-8	RW-1121-9	RW-1121-10	RW-1121-11

## Close-Coupled Holders

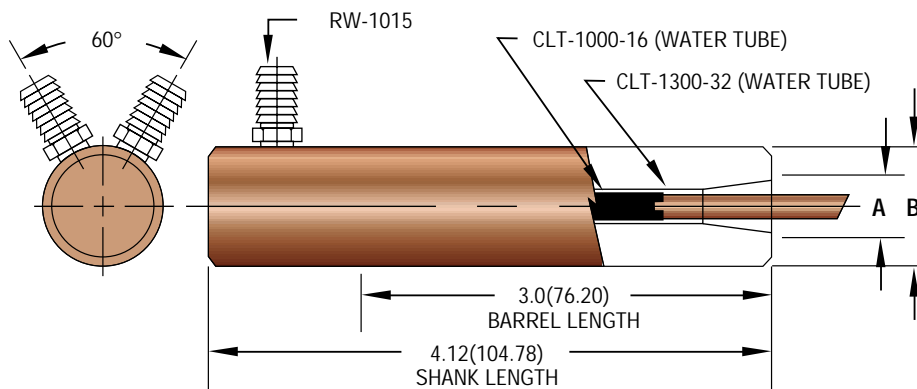


FIGURE 6-3 (Material RWMA Class 2)

HOLDER #	1-20304	1-30304	1-40304	1-20305	1-30305	1-40305
A – RW Taper	4	4	4	5	5	5
B – Diameter	.88 (22.23)	1.00 (25.40)	1.25 (31.75)	.88 (22.23)	1.00 (25.40)	1.25 (31.75)

- FOR USE WHERE WELDING SPACE IS LIMITED. STANDARD BODY LENGTH IS 3.0 (76.20).

• Dimensions Shown Are: inches (mm).

# HOLDERS

## Offset Non-Ejector Electrode Holders

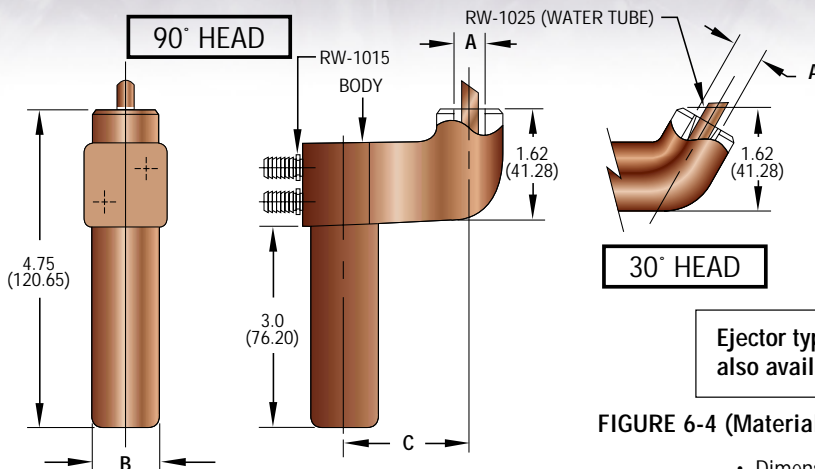


FIGURE 6-4 (Material RWMA Class 3)

• Dimensions Shown Are: inches (mm).

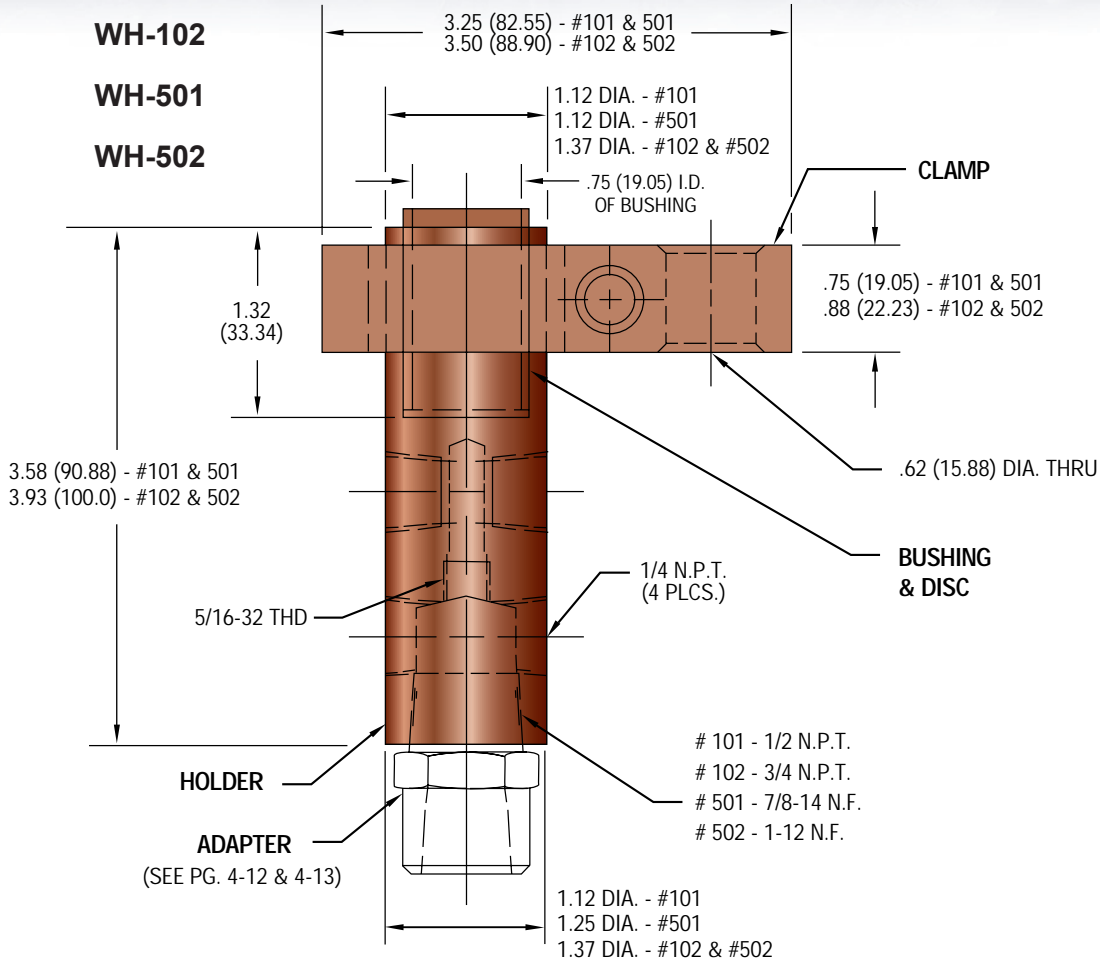
OFFSET HOLDERS – Ordering Chart				
<b>90° COMPLETE HOLDER NO.</b>	<b>B30304</b>	<b>B40304</b>	<b>B30305</b>	<b>B40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	2.00 (50.80)	2.00 (50.80)	2.00 (50.80)	2.00 (50.80)
Body	RW-1122-2	RW-1122-3	RW-1122-5	RW-1122-6
<b>90° COMPLETE HOLDER NO.</b>	<b>G30304</b>	<b>G40304</b>	<b>G30305</b>	<b>G40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	3.00 (76.20)	3.00 (76.20)	3.00 (76.20)	3.00 (76.20)
Body	RW-1126-2	RW-1126-3	RW-1126-5	RW-1126-6
<b>90° COMPLETE HOLDER NO.</b>	<b>C30304</b>	<b>C40304</b>	<b>C30305</b>	<b>C40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	4.00 (101.60)	4.00 (101.60)	4.00 (101.60)	4.00 (101.60)
Body	RW-1123-2	RW-1123-3	RW-1123-5	RW-1123-6
<b>30° COMPLETE HOLDER NO.</b>	<b>D30304</b>	<b>D40304</b>	<b>D30305</b>	<b>D40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	2.00 (50.80)	2.00 (50.80)	2.00 (50.80)	2.00 (50.80)
Body	RW-1124-2	RW-1124-3	RW-1124-5	RW-1124-6
<b>30° COMPLETE HOLDER NO.</b>	<b>E30304</b>	<b>E40304</b>	<b>E30305</b>	<b>E40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	3.00 (76.20)	3.00 (76.20)	3.00 (76.20)	3.00 (76.20)
Body	RW-1127-2	RW-1127-3	RW-1127-5	RW-1127-6
<b>30° COMPLETE HOLDER NO.</b>	<b>F30304</b>	<b>F40304</b>	<b>F30305</b>	<b>F40305</b>
RW Electrode Taper	4	4	5	5
A – Diameter	.463 (11.76)	.463 (11.76)	.619 (15.72)	.619 (15.72)
B – Diameter	1.00 (25.40)	1.25 (31.75)	1.00 (25.40)	1.25 (31.75)
C – Offset	4.00 (101.60)	4.00 (101.60)	4.00 (101.60)	4.00 (101.60)
Body	RW-1125-2	RW-1125-3	RW-1125-5	RW-1125-6



# HOLDERS

## Cylinder Mounted Holders

ITEM NO. WH-101



• Dimensions Shown Are: inches (mm).

**FIGURE 6-7 (Material - Copper)**

### 101, 102, 501 & 502 SERIES HOLDERS

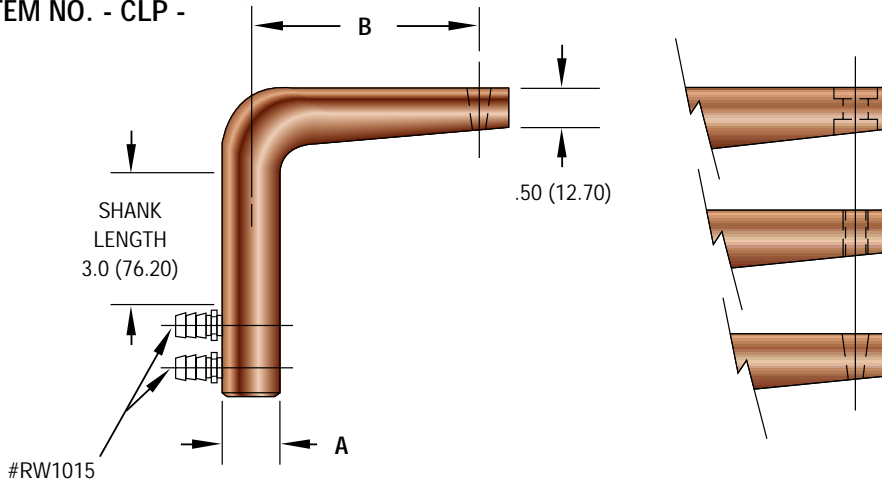
DETAILS	1/2 N.P.T.	3/4 N.P.T.	7/8-14 N.F.	1-12 N.F.
<b>ASSEMBLY NO.*</b>	WH-1010C	WH-1020C	WH-5010C	WH-5020C
<b>BARREL</b>	WH-101-1	WH-102-1	WH-501-1	WH-502-1
<b>CLAMP NO.</b>	WH-101-2	WH-102-2	WH-101-2	WH-102-2
<b>BUSHING NO.</b>	WH-101-3	WH-101-3	WH-101-3	WH-101-3
<b>DISC NO.</b>	WH-101-4	WH-101-4	WH-101-4	WH-101-4

\*A complete assembly consists of a barrel, clamp, bushing and disc.

# HOLDERS

## Paddle Type Holders - Type 1, 2 & 3

ITEM NO. - CLP -



SAMPLE TIPS:

- TYPE-1 – XC-2998  
• See Pg. 3-3 For Caps.
- TYPE-2 – CL-78-50C  
• See Pg. 3-4 For Caps.
- TYPE-3 – CLPC-2998  
• See Pg. 3-3 For Caps.

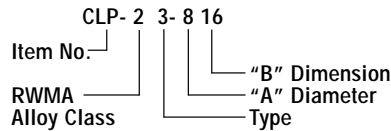
**FIGURE 6-5 (Material RWMA Class 2 & 3)**

• FINAL FIGURE USED IN ORDERING –

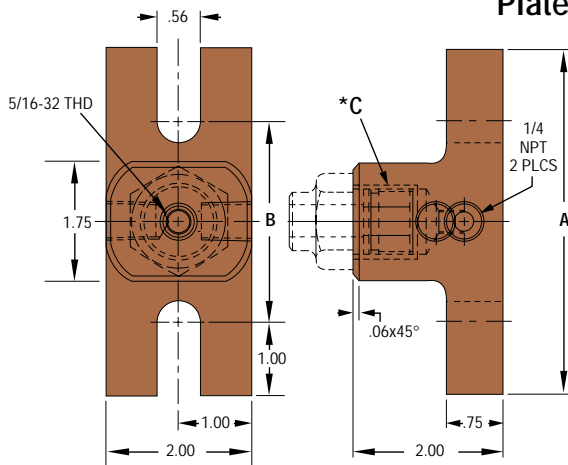
- Indicate Desired Shank Diameter "A" - In .125 (3.18) Increments
- Indicate Desired Offset Dimension "B" - In .250 (6.35) Increments
- For Holders & Tips Specify RWMA Class 2 Or 3 Requirements

EXAMPLE:

HOLDER, RWMA CLASS 2, TYPE - 3, "A" = 1.00 (25.40) DIAMETER, "B" = 4.00 (101.60) OFFSET.



## Platen Mount - Holders



**FIGURE 6-6 (Material RWMA Class 2)**

DIM.	CL-1-PM-"X"	CL-2-PM-"X"
A	4.75 (120.65)	7.00 (177.80)
B	2.75 (69.85)	4.31 (109.47)

C*	X
<b>For these thread/taper types</b> <b>Replace "X" with</b>	
1/2 Pipe Thread	50P
5/8 Pipe Thread	62P
3/4 Pipe Thread	75P
7/8-14 Straight Thread	87S
1-12 Straight Thread	10S
4RW Taper	4E
5RW Taper	5E
6RW Taper	6E
7RW Taper	7E

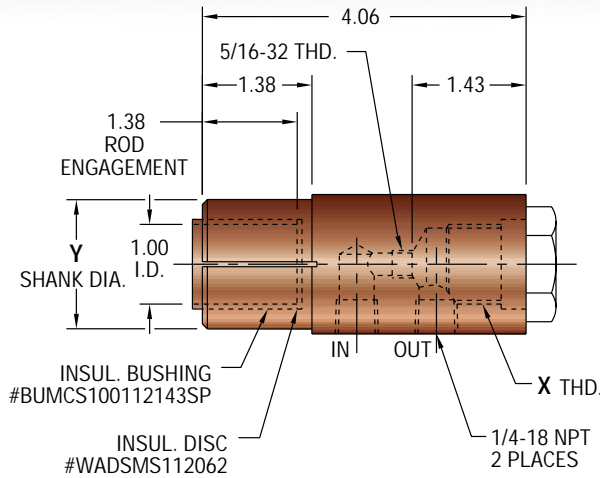
\*Other threads/tapers available upon request

See pages 4-12 & 4-13 for Adapters.

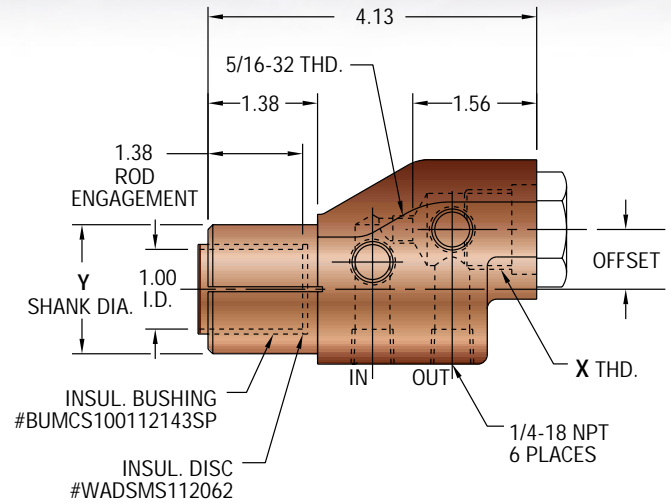
See pages 9-1 & 9-2 for Water Tubes.

# HOLDERS

## Heavy Duty Cylinder Mounted Holders



**FIGURE 6-10 (Material RWMA Class 2)  
HEAVY DUTY STRAIGHT BARREL  
(WHCLH Series)**



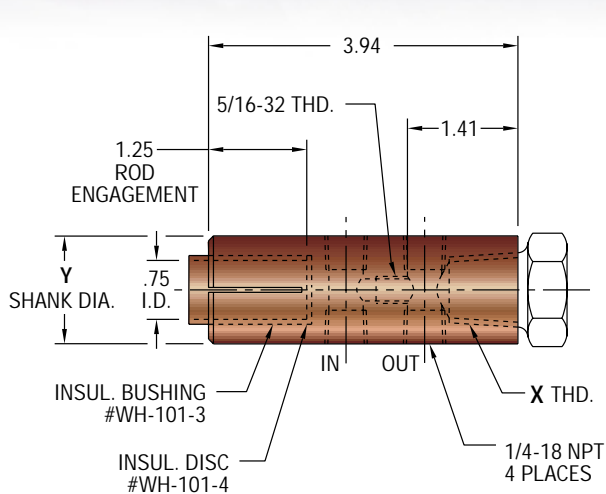
**FIGURE 6-11 (Material RWMA Class 3)  
HEAVY DUTY OFFSET BARREL  
(WHCLHO Series)**

### EXAMPLE EXPLANATION CODING

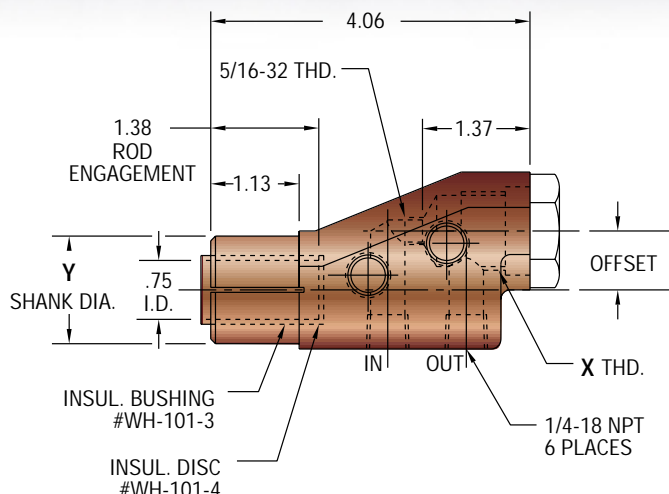
<p>CENTERLINE HEAVY DUTY BARREL</p> <p>OFFSET</p> <p>X=THREAD</p> <p>Y=SHANK</p> <p>OFFSET DISTANCE</p>	<p>USE WHCLH</p> <p>USE 0 FOR OFFSET BARRELS OMIT FOR STRAIGHT BARRELS</p> <p>USE 50P FOR .500 PIPE THREAD USE 62P FOR .625 PIPE THREAD USE 75P FOR .750 PIPE THREAD USE 87S FOR .875 STRAIGHT THREAD USE 10S FOR 1.00 STRAIGHT THREAD USE 12S FOR 1.25 STRAIGHT THREAD</p> <p>USE 162 FOR 1-5/8 DIAMETER</p> <p>USE 1 FOR 1/8 OFFSET (MINIMUM) USE 2 FOR 1/4 OFFSET USE 3 FOR 3/8 OFFSET USE 4 FOR 1/2 OFFSET USE 5 FOR 5/8 OFFSET USE 6 FOR 3/4 OFFSET USE 7 FOR 7/8 OFFSET USE 8 FOR 1" OFFSET (MAXIMUM)</p>
<p>WHCLH 0 87S 162 8</p>	

# HOLDERS

## Light Duty Cylinder Mounted Holders

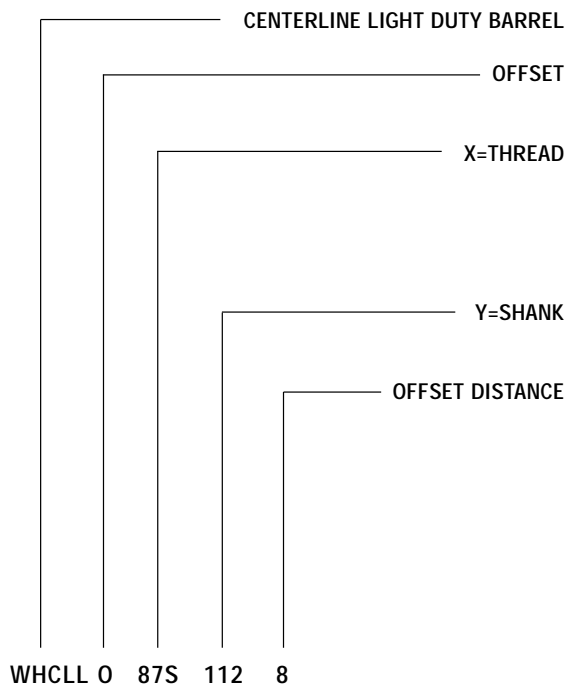


**FIGURE 6-12 (Material RWMA Class 2)  
LIGHT DUTY STRAIGHT BARREL  
(WHCLL Series)**



**FIGURE 6-13 (Material RWMA Class 3)  
LIGHT DUTY OFFSET BARREL  
(WHCLLO Series)**

### EXAMPLE EXPLANATION CODING



- USE WHCLL
- USE 0 FOR OFFSET BARRELS  
OMIT FOR STRAIGHT BARRELS
- USE 50P FOR .500 PIPE THREAD
- USE 62P FOR .625 PIPE THREAD
- USE 75P FOR .750 PIPE THREAD
- USE 87S FOR .875 STRAIGHT THREAD
- USE 10S FOR 1.00 STRAIGHT THREAD
- USE 137 FOR 1-3/8 DIAMETER
- USE 1 FOR 1/8 OFFSET (MINIMUM)
- USE 2 FOR 1/4 OFFSET
- USE 3 FOR 3/8 OFFSET
- USE 4 FOR 1/2 OFFSET
- USE 5 FOR 5/8 OFFSET
- USE 6 FOR 3/4 OFFSET
- USE 7 FOR 7/8 OFFSET
- USE 8 FOR 1" OFFSET (MAXIMUM)



# HOLDERS

## Light Duty Shunt/Cable Clamps

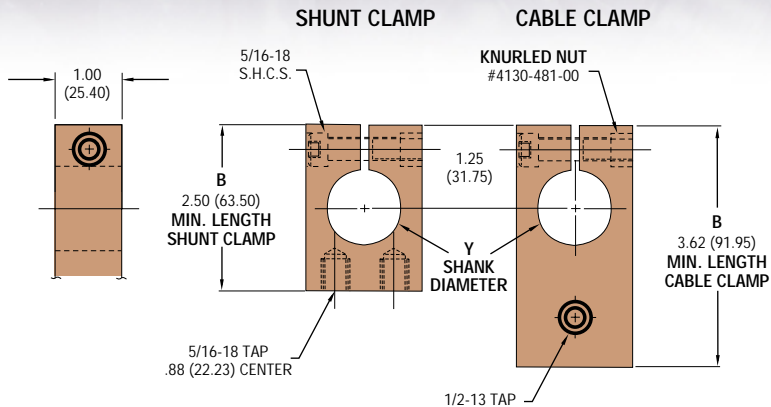
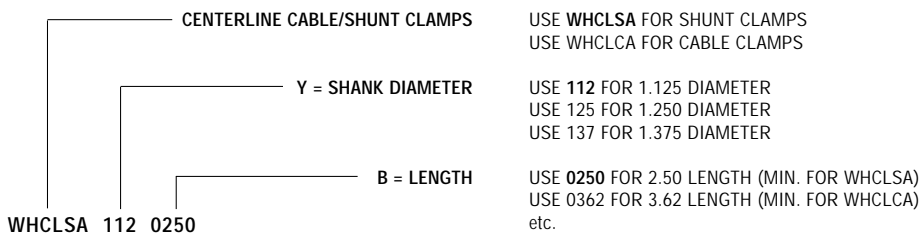


FIGURE 6-14

### EXAMPLE EXPLANATION CODING



## Heavy Duty Shunt/Cable Clamps

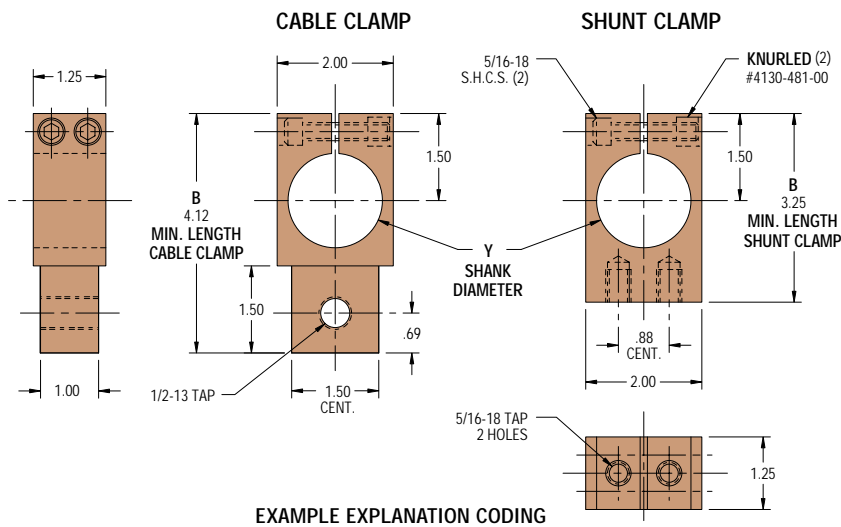
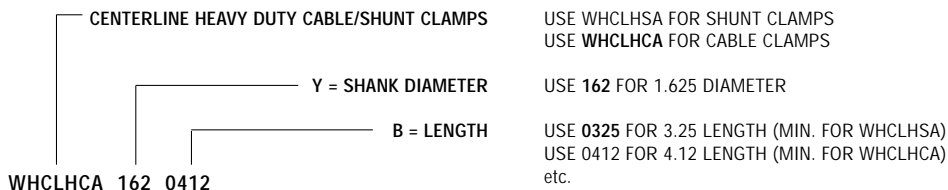


FIGURE 6-15

### EXAMPLE EXPLANATION CODING



# HOLDERS

## Gun Type Holders (Forging) (Barrel Lock Style)

ITEM NO. – CLHA20-

### TYPE "A"

*1.38 (34.93) Diameter Forging*  
Use with Barrel Lock  
No. PB-1089-01  
(Order Separately)

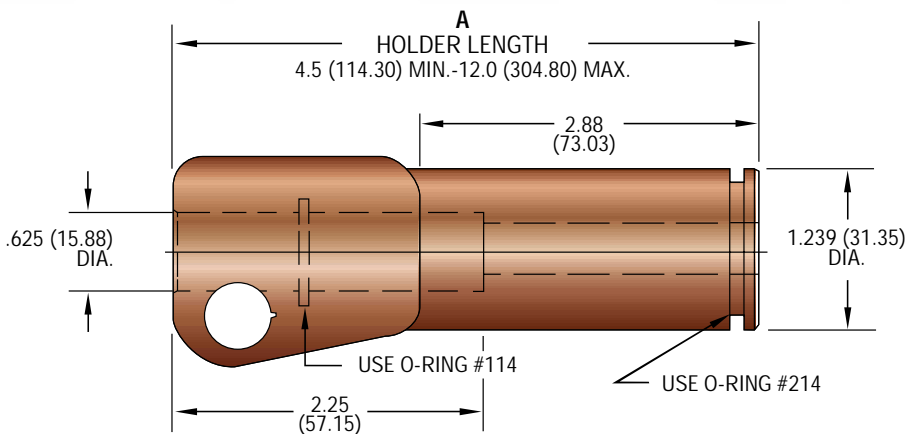


FIGURE 6-16 (Material RWMA Class 3)

ITEM NO. – CLHB25-

### TYPE "B"

*1.38 (34.93) Diameter Forging*  
Use with Barrel Lock  
No. PB-1089-02  
(Order Separately)

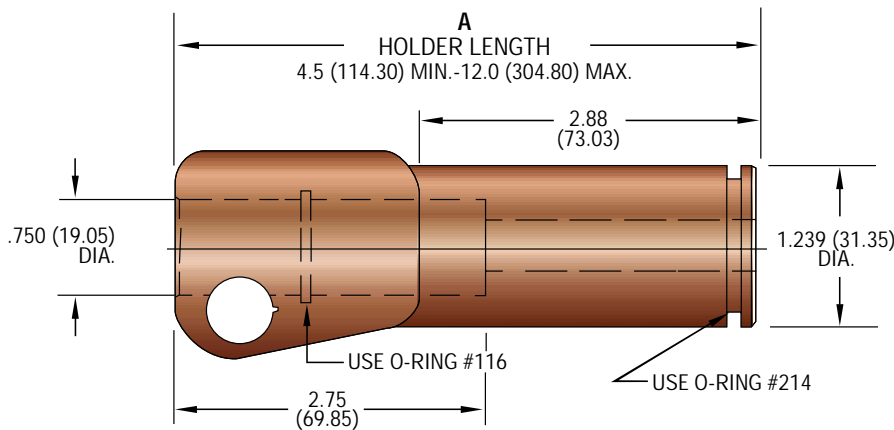
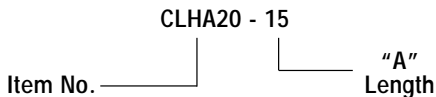


FIGURE 6-17 (Material RWMA Class 3)

• FINAL FIGURE USED IN ORDERING –

- Indicate Desired "A" Length - In .50 (12.70) Increments

EXAMPLE: TYPE "A" WITH 7.50 (190.50) LENGTH



- Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders (Forging) (Barrel Lock Style)

ITEM NO. – CLHC30-

**TYPE "C"**

*1.63 (41.28) Diameter Forging*  
Use with Barrel Lock  
No. PB-1089-04  
(Order Separately)

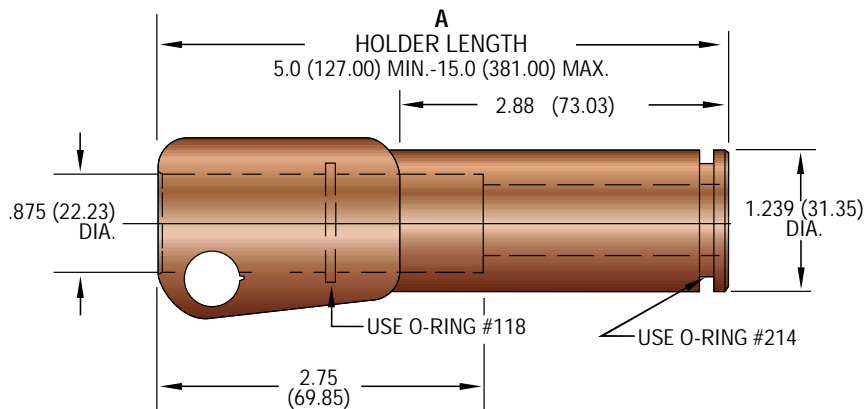


FIGURE 6-18 (Material RWMA Class 3)

ITEM NO. – CLHD35-

**TYPE "D"**

*1.63 (41.28) Diameter Forging*  
Use with Barrel Lock  
No. PB-1089-04  
(Order Separately)

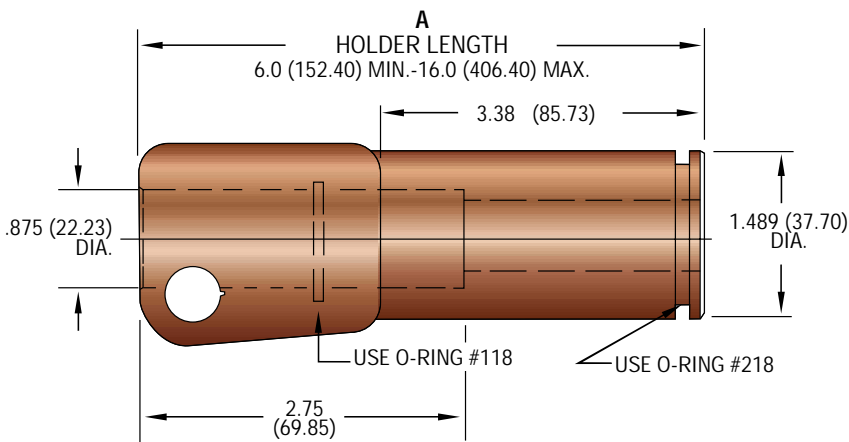
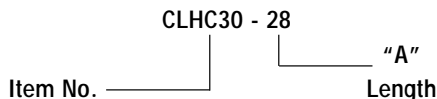


FIGURE 6-19 (Material RWMA Class 3)

• FINAL FIGURE USED IN ORDERING –

• Indicate Desired Holder Length "A" - In .50 (12.70) Increments

EXAMPLE: TYPE "C" WITH 14.00 (355.60) LENGTH



• Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders (Forging) (Barrel Lock Style)

ITEM NO. – CLHE40-

**TYPE "E"**

*Use with Barrel Lock Ass'y  
No. PB-1089-02  
(Order Separately)*

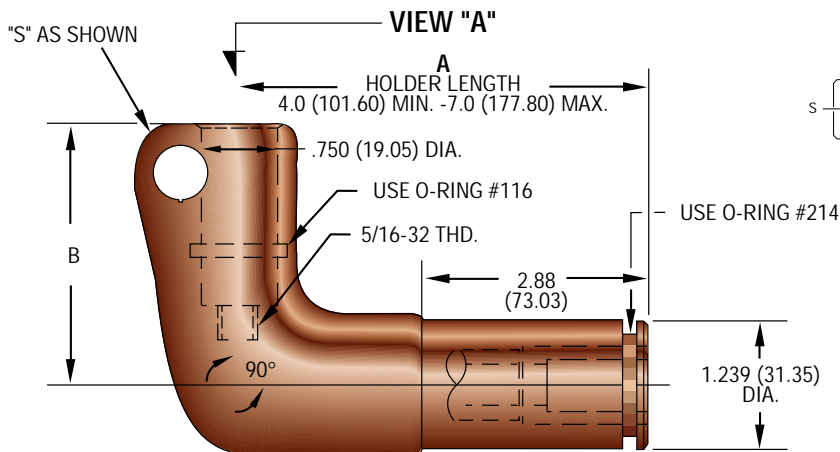


FIGURE 6-20 (Material RWMA Class 3)

ITEM NO. – CLHF45-

**TYPE "F"**

*Use with Barrel Lock Ass'y  
No. PB-1089-04  
(Order Separately)*

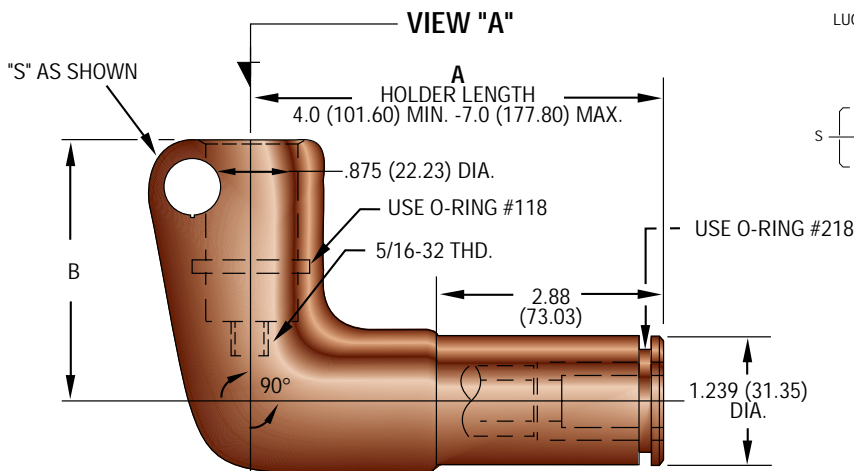
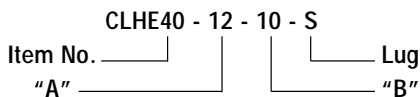


FIGURE 6-21 (Material RWMA Class 3)

**• FINAL FIGURE USED IN ORDERING –**

- Indicate Desired Holder Length "A" - In .50 (12.70) Increments
- Indicate Desired Offset Dimension "B" - In .25 (6.35) Increments

EXAMPLE: TYPE "E", "A" = 6.00 (152.40) LENGTH, "B" = 2.50 (63.50), "S" LUG POSITION.



• Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders (Forging) (Barrel Lock Style)

ITEM NO. – CLHG50-

TYPE "G"

1.38 (34.93) Diameter Forging  
Use with Barrel Lock  
No. PB-1089-01  
(Order Separately)

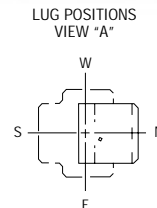
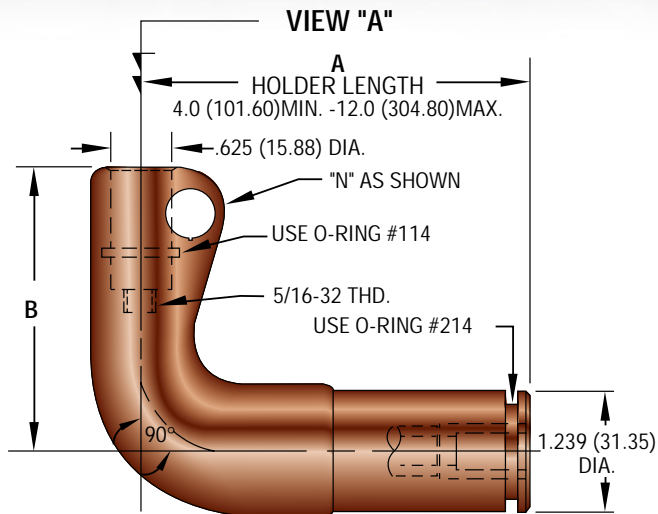


FIGURE 6-22 (Material RWMA Class 3)

ITEM NO. – CLHH55-

TYPE "H"

1.38 (34.93) Diameter Forging  
Use with Barrel Lock  
No. PB-1089-02  
(Order Separately)

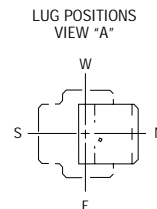
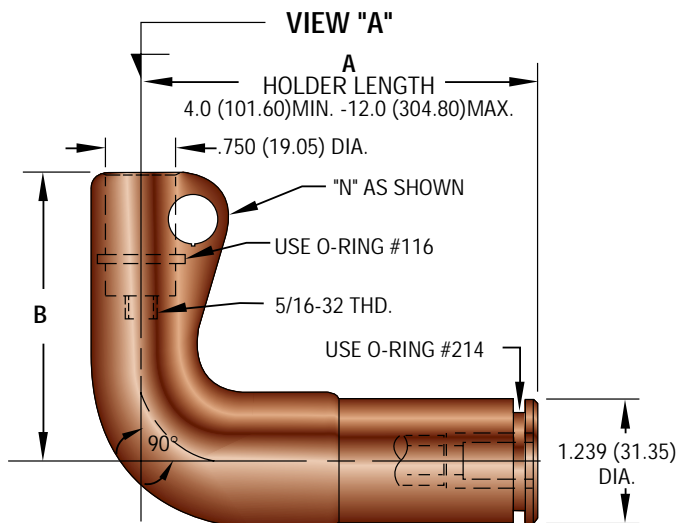
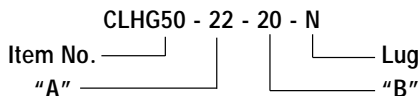


FIGURE 6-23 (Material RWMA Class 3)

• FINAL FIGURE USED IN ORDERING –

- Indicate Desired Holder Length "A" - In .50 (12.70) Increments
- Indicate Desired Offset Dimension "B" - In .25 (6.35) Increments

EXAMPLE: TYPE "G", "A" = 11.00 (279.40) LENGTH, "B" = 5.00 (127.00), "N" LUG POSITION.



• Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders Pipe Thread Style

ITEM NO. – CLHJ602-

**TYPE "J"**  
PIPE THD. = 1/2 N.P.T.

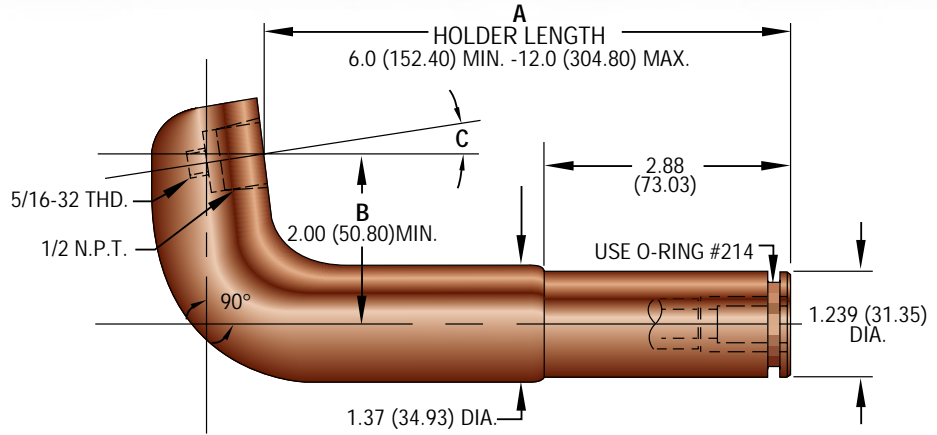


FIGURE 6-24 (Material RWMA Class 2&3)

ITEM NO. – CLHK652-

**TYPE "K"**  
PIPE THD. = 5/8 N.P.T.

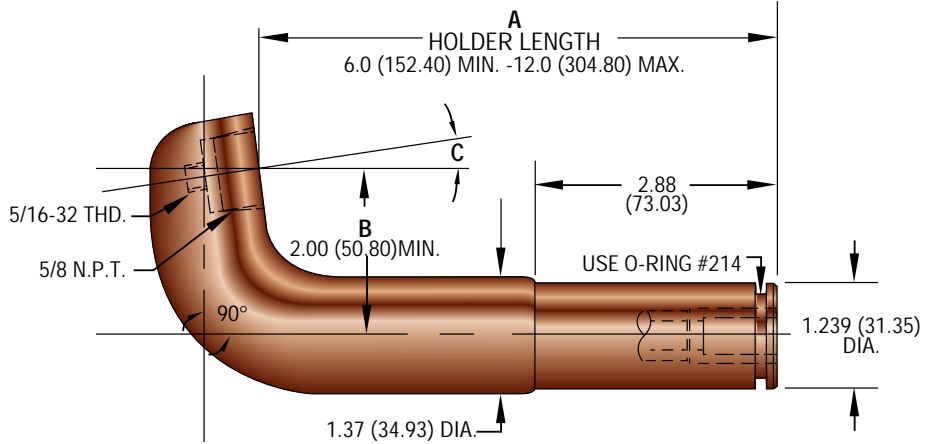
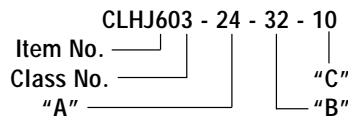


FIGURE 6-25 (Material RWMA Class 2&3)

• FINAL FIGURE USED IN ORDERING –

- Indicate Desired Holder Length "A" - In .50 (12.70) Increments
- Indicate Desired Offset Dimension "B" - In .25 (6.35) Increments
- Specify – "C" – 0-90°

EXAMPLE: TYPE "J", CLASS 3, "A" = 12.00 (304.80) LENGTH, "B" = 8.00 (203.20), "C" = 10°.



• Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders Pipe Thread Style

ITEM NO. – CLHL702-

**TYPE "L"**  
PIPE THD. = 3/4 N.P.T.

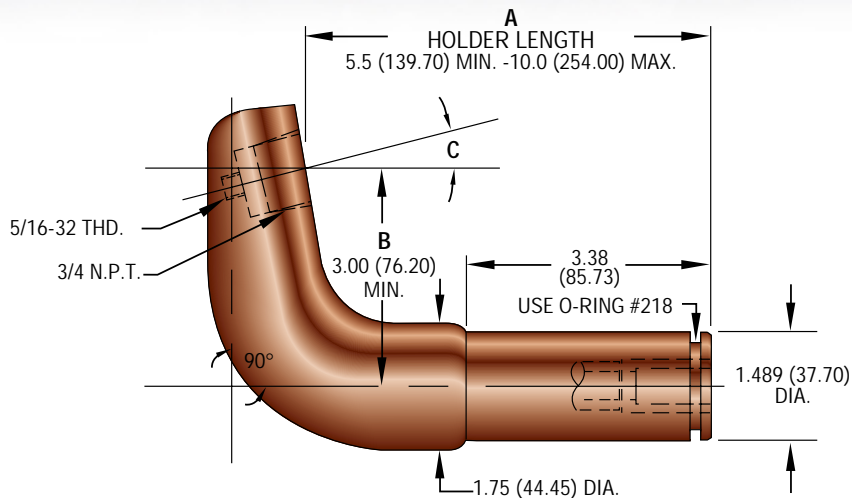


FIGURE 6-26 (Material RWMA Class 2&3)

ITEM NO. – CLHM752-

**TYPE "M"**  
PIPE THD. = 1 N.P.T.

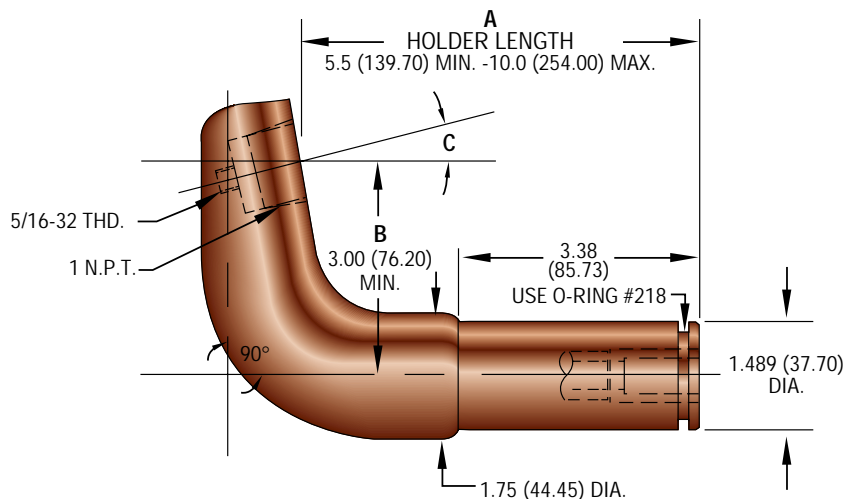
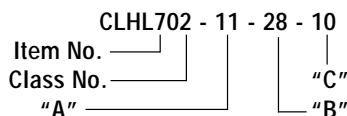


FIGURE 6-27 (Material RWMA Class 2&3)

**• FINAL FIGURE USED IN ORDERING –**

- Indicate Desired Holder Length "A" - In .50 (12.70) Increments
- Indicate Desired Offset Dimension "B" - In .25 (6.35) Increments
- Specify – "C" – 0-90°

EXAMPLE: TYPE "L", CLASS 2, "A" = 5.50 (139.70) LENGTH, "B" = 7.00 (177.80), "C" = 10°.



• Dimensions Shown Are: inches (mm).

# HOLDERS

## Gun Type Holders Pipe Thread Style

**TYPE "N"**  
(With 1/2 N.P.T.)

ITEM NO. – CLHN802-

**TYPE "O"**  
(With 5/8 N.P.T.)

ITEM NO. – CLH0852-

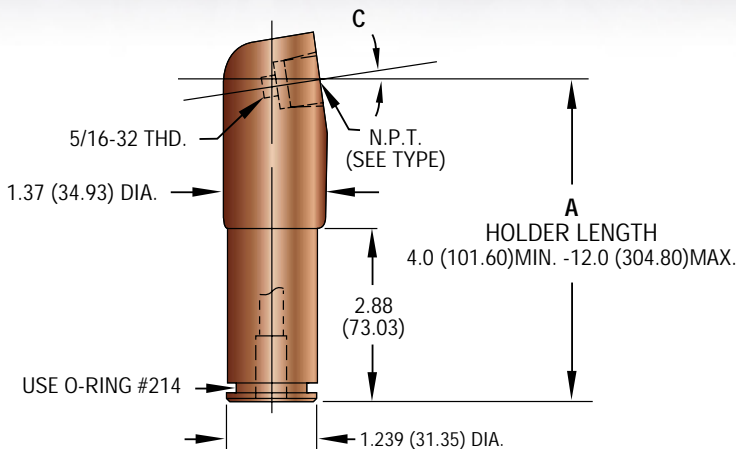


FIGURE 6-28 (Material RWMA Class 2&3)

**TYPE "P"**  
(With 3/4 N.P.T.)

ITEM NO. – CLHP902-

**TYPE "R"**  
(With 1 N.P.T.)

ITEM NO. – CLHR952-

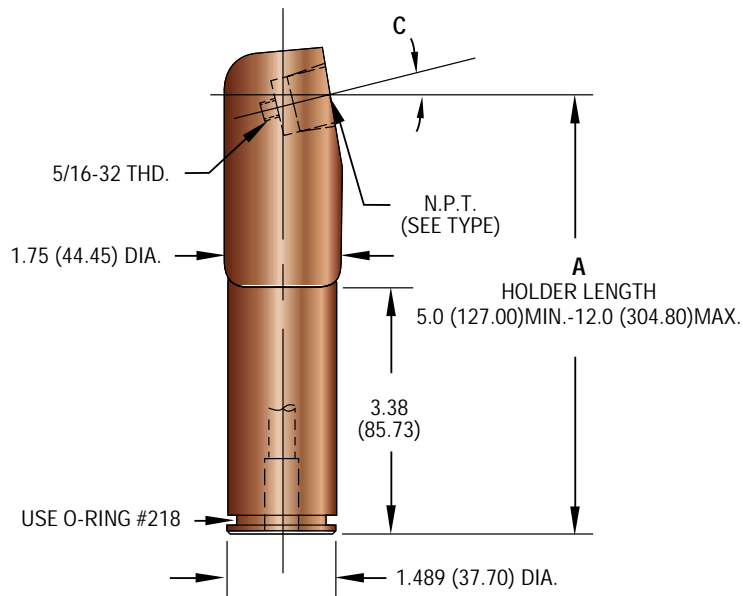
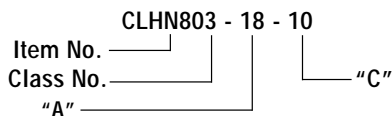


FIGURE 6-29 (Material RWMA Class 2&3)

• FINAL FIGURE USED IN ORDERING –

- Indicate Desired Holder Length "A" - In .50 (12.70) Increments
- Specify – "C" – 0-90°

EXAMPLE: TYPE "N", 1/2-14 N.P.T., CLASS 3, "A" = 9.00 (228.60) LENGTH, "C" = 10°.



• Dimensions Shown Are: inches (mm).