

**REGISTRATION OF A PRESSURE FITTING DESIGN**

04-Feb-21

Pressure Vessel Engineering Ltd.  
120 Randall Drive, Suite B  
Waterloo, ON  
N2V 1C6**Attention: Catherine Diplock****File Number: 11882 [ 0 F]****Re: Manufacturer: Parker Hannifin Corporation Quick Coupling - US Division**  
**Item: Scope of Registration: Series 60 Quick Connect fittings.**  
**Catalog or Drawing: 15877s-1 Rev. 0**

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:


**0H21191.23                      Expiry Date: January 17, 2031**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Williams Uju, P.Eng.  
Codes and Standards Compliance**Remarks:**

CRN registered conditional upon compliance with the notes on the original registration.



Document: 15877s-1 R0

Date: December 17, 2020

**Scope of Registration: Series 60 Quick Connect fittings.**

**Design Data:**

Design Code: ASME B31.3 2018ED

MAWP: See below

MDMT: -320°F

Hydrotest: 1.5x MAWP

Impact Testing: Exempt per 323.2.2


Corrosion Allowance: none

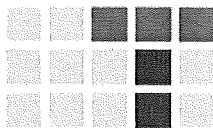
**Drawings Included:**

- SSH1-62Y & SSH1-63Y
  - o MAWP: 2000 psi @ 100°F
- SSH2-62Y & SSH2-63Y
  - o MAWP: 2000 psi @ 100°F
- SSH3-62Y & SSH3-63Y
  - o MAWP: 1500 psi @ 100°F
- SSH4-62Y & SSH4-63Y
  - o MAWP: 1500 psi @ 100°F
- SSH6-62Y & SSH6-63Y
  - o MAWP: 1500 psi @ 100°F
- SSH8-62Y & SSH8-63Y
  - o MAWP: 1000 psi @ 100°F
- SSH12-62NY & SSH12-63NY
  - o MAWP: 1000 psi @ 100°F
- SSH2016-62Y & SSH2016-63Y
  - o MAWP: 1000 psi @ 100°F
- SSH2024-62Y & SSH2024-63Y [Same design as SSH2016]
  - o MAWP: 1000 psi @ 100°F

**Validation:**

- Burst Test Report: PVE\_Report 20010547
- UG-101 calculations: 15877c-1 R0

	<b>Technical Safety Authority of Saskatchewan</b>
Registration No.	0H21191.23
File No.	11882
	<div>Registered</div>
Date:	February 04, 2031
Expiry Date:	January 17, 2031
Codes & Standards Compliance Office	



# Technical Safety Authority of Saskatchewan

2202 2nd Ave.  
Regina, SK S4R 1K3  
PH: (306)798-7112 Toll Free: (866)530-8599  
FAX: (306)787-9273 Toll Free: (866)760-9255  
Email: [boilerpermits@tsask.ca](mailto:boilerpermits@tsask.ca)  
Website: [www.tsask.ca](http://www.tsask.ca)

## Statutory Declaration (Registration of Fittings)

TSK-1008

### I. Declaration Information

I, Paul Lemay

Engineering Manager

(company title, e.g. vice president, plant manager, chief engineer)  
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Parker Hannifin Corporation Quick Coupling - US Division

(name of manufacturer)

located at: 8145 Lewis Road, Golden Valley, MN, 55345 USA

(Plant Address - Apt/Street)

(City, Prov)

(Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- ☐ Comply with the requirements of \_\_\_\_\_ which specifies the dimensions,  
(title of recognized North American Standard)  
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- ☒ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 2018ED as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, Bureau Veritas as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Quick connect fittings

In support of this application, the following information, calculations and / or test data are attached:  
See Scope Document: 15877s-1 R0

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



### II. Declaration

DECLARED before me at Golden Valley In the STATE of MINNESOTA  
this 19th day of November, 2020

Kurtis M Krause  
(print name)



KURTIS M KRAUSE (Signature)  
NOTARY PUBLIC - MINNESOTA  
My Commission Expires Jan. 31, 2025

(Signature of Commissioner of Oaths)

### III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_

(Registration Number)



(Date Registered - MM DD YYYY)

(For the Administrator / Chief Inspector)

(Expiry Date - MM DD YYYY)

Registration No. 0H21191.23

File No. 11882

Registered

Date: February 04, 2031

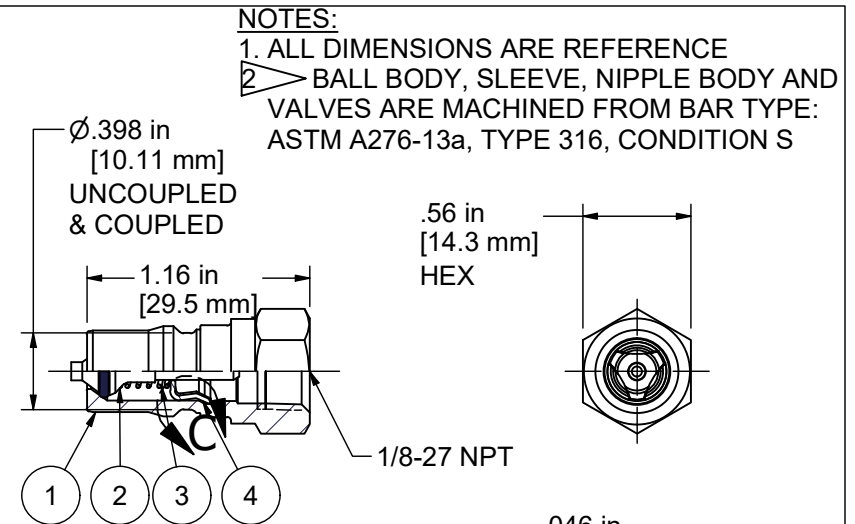
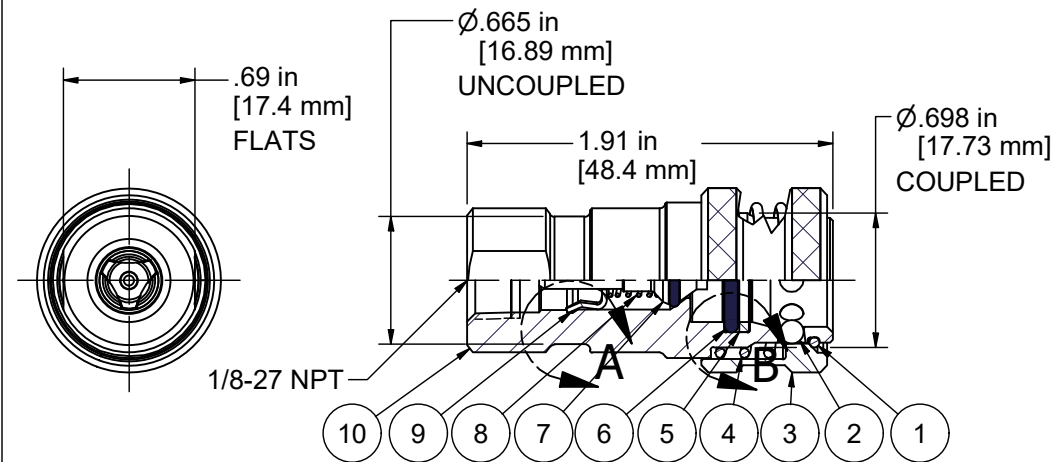
Expiry Date: January 17, 2031

Codes & Standards Compliance Office

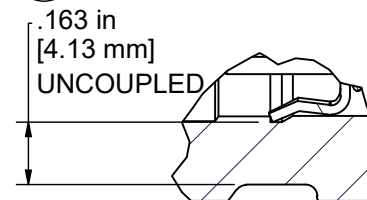
TSK-1008  
Rev. 10/2012  
Page 1 of 1



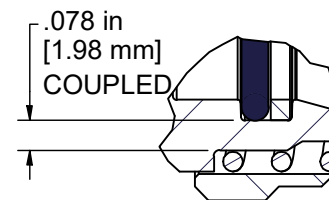
Part No.: SSH1-62Y AND SSH1-63Y	Rev No.
Title: 1/8 INCH 60 SERIES	-



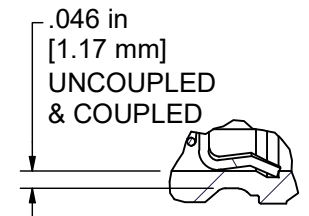
SSH1-62Y			
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	8	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL 2
4	1	SLEEVE SPRING	316 STAINLESS STEEL
5	1	BACK-UP RING	PTFE
6	1	INTERFACE SEAL	FLUOROCARBON
7	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON 2
8	1	VALVE SPRING	316 STAINLESS STEEL
9	1	PERCH	17-7PH
10	1	BALL BODY	316 STAINLESS STEEL 2



**DETAIL A**




**DETAIL B**



**DETAIL C**

SSH1-63Y			
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL 2
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON 2
3	1	VALVE SPRING	17-7PH
4	1	PERCH	316 STAINLESS STEEL

Modeled: B. KAMINSKI		CUSTOMER DRAWING			Quick Coupling Division
Drawn: B. KAMINSKI		Date: 8/27/2020			
Checked: V. POPOV		Approved: B. KAMINSKI			
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		Part No.: SSH1-62Y AND SSH1-63Y			
		Title: 1/8 INCH 60 SERIES			
Publication No. 3800-B1.0 Safety Guide for Selecting and Using Quick Action Couplings and Related Accessories is part of this document.		Reference: FOR CRN PURPOSES			
				Scale: N/A	
Revision				Sheet 1 Of 1	
RELEASE				Rev./Ver. -	

**Technical Safety Authority of Saskatchewan**

Registration No. 0H21191.23

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Date: February 04, 2031

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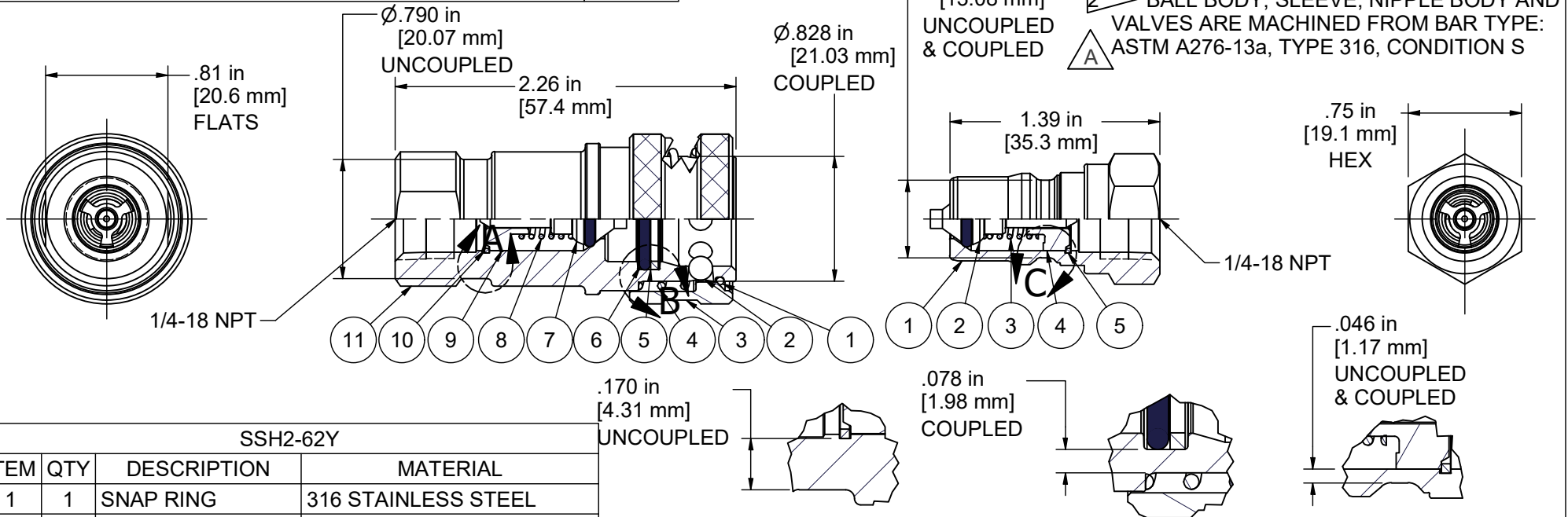
Codes & Standards Compliance Office

Part No.: SSH2-62Y AND SSH2-63Y

Title: 1/4" 60 SERIES

Rev No.

A



## NOTES:

1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, SLEEVE, NIPPLE BODY AND VALVES ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION S

## SSH2-62Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	8	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL
4	1	SLEEVE SPRING	316 STAINLESS STEEL
5	1	BACK-UP RING	PTFE
6	1	INTERFACE SEAL	FLUOROCARBON
7	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
8	1	VALVE SPRING	316 STAINLESS STEEL
9	1	PERCH	316 STAINLESS STEEL
10	1	RETAINING RING	316 STAINLESS STEEL
11	1	BALL BODY	316 STAINLESS STEEL

## DETAIL A

## DETAIL B

## DETAIL C

## SSH2-63Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
3	1	VALVE SPRING	316 STAINLESS STEEL
4	1	PERCH	316 STAINLESS STEEL
5	1	RETAINING RING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

## CUSTOMER DRAWING

Drawn: B. KAMINSKI

Date: 8/27/2020

Checked: V. POPOV

Approved: B. KAMINSKI

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Revision

BAR TYPE

**Parker**  
Fluid Connectors

Quick Coupling  
Division

Part No.: SSH2-62Y AND SSH2-63Y

Title: 1/4" 60 SERIES

Reference: FOR CRN PURPOSES

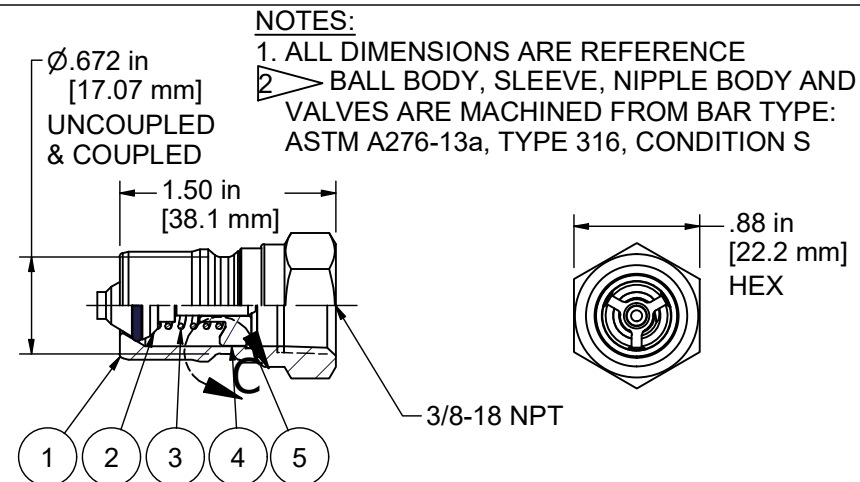
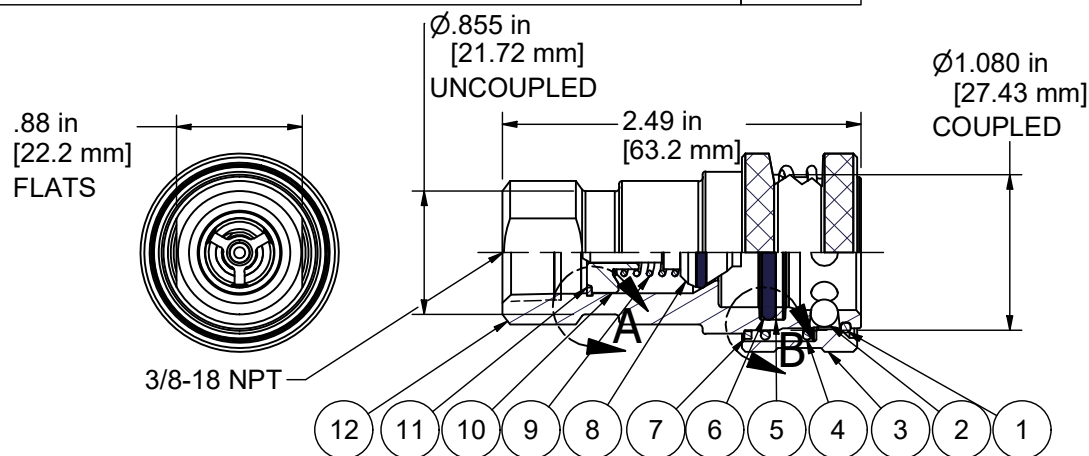
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Sheet 1 Of 1

Rev./Ver.

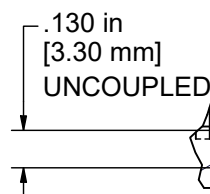
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Part No.: SSH3-62Y AND SSH3-63Y	Rev No.
Title: 3/8 INCH 60 SERIES	-

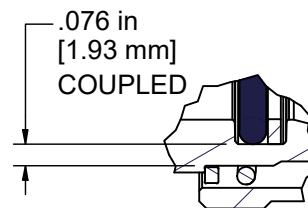


#### SSH3-62Y

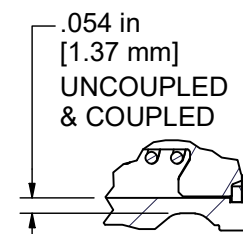
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	8	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL
4	1	BACK-UP RING	316 STAINLESS STEEL
5	1	SLEEVE SPRING	316 STAINLESS STEEL
6	1	INTERFACE SEAL	316 STAINLESS STEEL
7	1	WASHER	316 STAINLESS STEEL
8	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	PERCH	316 STAINLESS STEEL
11	1	RETAINING RING	316 STAINLESS STEEL
12	1	BALL BODY	316 STAINLESS STEEL



DETAIL A



DETAIL B



DETAIL C

#### SSH3-63Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
3	1	VALVE SPRING	316 STAINLESS STEEL
4	1	PERCH	316 STAINLESS STEEL
5	1	RETAINING RING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

**CUSTOMER DRAWING**

Drawn: B. KAMINSKI

Date: 8/27/2020

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Quick Coupling  
Division

Part No.: SSH3-62Y AND SSH3-63Y

Title: 3/8 INCH 60 SERIES

Reference: FOR CRN PURPOSES

Scale: N/A

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Revision

RELEASE

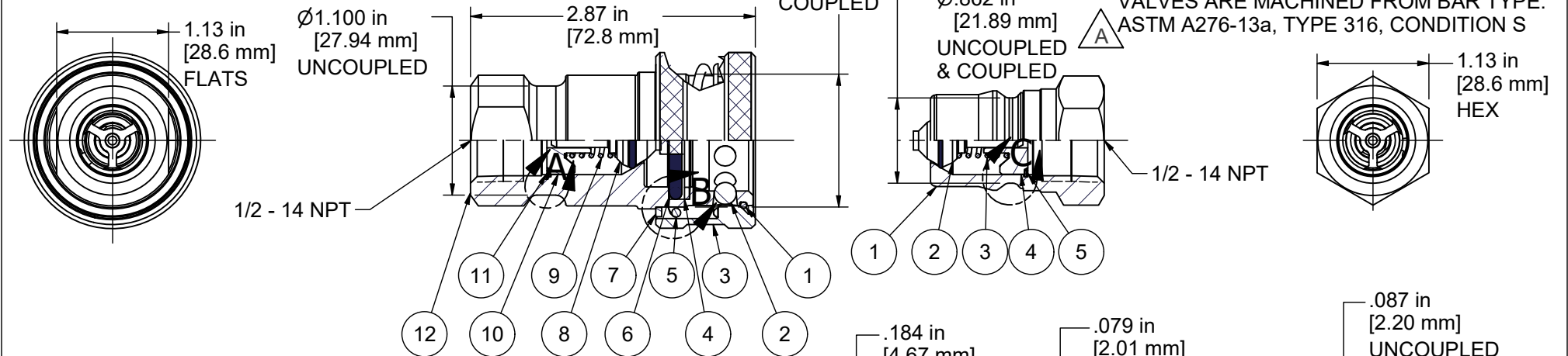


Part No.: SSH4-62Y AND SSH4-63Y

Title: 1/2 INCH 60 SERIES

Rev No.

A

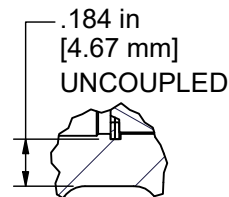


## NOTES:

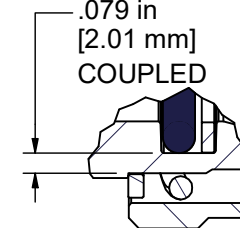
1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, SLEEVE, NIPPLE BODY AND VALVES ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION S

## SSH4-62Y

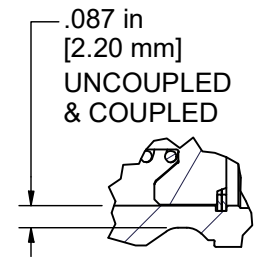
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	10	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL
4	1	BACK-UP RING	PTFE
5	1	SLEEVE SPRING	316 STAINLESS STEEL
6	1	INTERFACE SEAL	FLUOROCARBON
7	1	WASHER	316 STAINLESS STEEL
8	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	PERCH	316 STAINLESS STEEL
11	1	RETAINING RING	316 STAINLESS STEEL
12	1	BALL BODY	316 STAINLESS STEEL



DETAIL A



DETAIL B



DETAIL C

## SSH4-63Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
3	1	VALVE SPRING	316 STAINLESS STEEL
4	1	PERCH	316 STAINLESS STEEL
5	1	RETAINING RING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

## CUSTOMER DRAWING

Drawn: B. KAMINSKI

Date: 8/27/2020

Checked: V. POPOV

Approved: B. KAMINSKI

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Publication No. 3800-B1.0 Safety Guide for Selecting and Using Quick Action Couplings and Related Accessories is part of this document.

Revision

BAR TYPE

**Parker**  
Fluid Connectors

Quick Coupling  
Division

Part No.: SSH4-62Y AND SSH4-63Y

Title: 1/2 INCH 60 SERIES

Reference: FOR CRN PURPOSES

Scale: N/A

Sheet 1 Of 1

Rev./Ver.

A

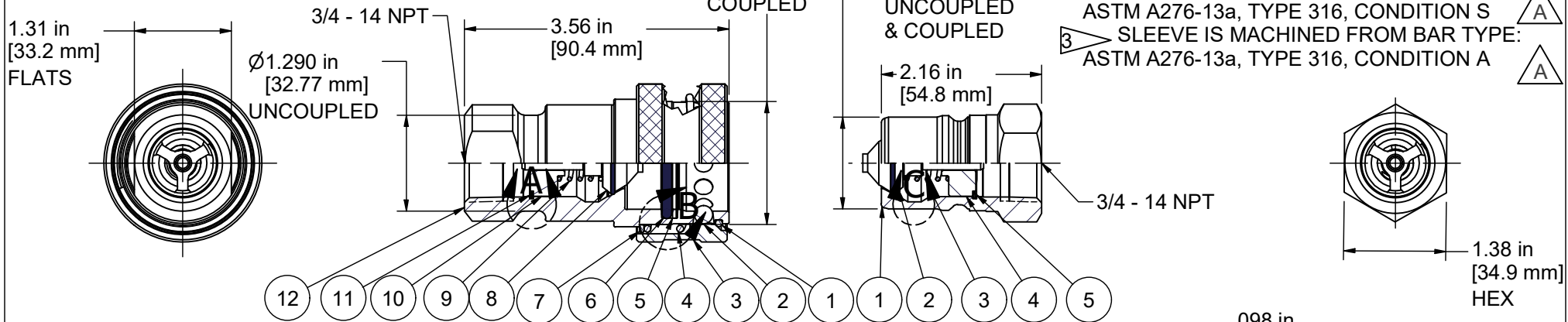


Part No.: SSH6-62Y AND SSH6-63Y

Title: 3/4 INCH 60 SERIES

Rev No.

A



## NOTES:

1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, NIPPLE BODY AND VALVES ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION S
3. SLEEVE IS MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION A

## SSH6-62Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	12	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL
4	1	SLEEVE SPRING	316 STAINLESS STEEL
5	1	BACK-UP RING	PTFE
6	1	INTERFACE SEAL	FLUOROCARBON
7	1	WASHER	316 STAINLESS STEEL
8	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	PERCH	316 STAINLESS STEEL
11	1	RETAINING RING	316 STAINLESS STEEL
12	1	BALL BODY	316 STAINLESS STEEL

DETAIL A

DETAIL B

DETAIL C

## SSH6-63Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
3	1	VALVE SPRING	316 STAINLESS STEEL
4	1	PERCH	316 STAINLESS STEEL
5	1	RETAINING RING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

CUSTOMER DRAWING

Drawn: B. KAMINSKI

Date: 8/27/2020

Checked: V. POPOV

Approved: B. KAMINSKI

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Fluid Connectors

Quick Coupling  
Division

Part No.: SSH6-62Y AND SSH6-63Y

Title: 3/4 INCH 60 SERIES

Reference: FOR CRN PURPOSES

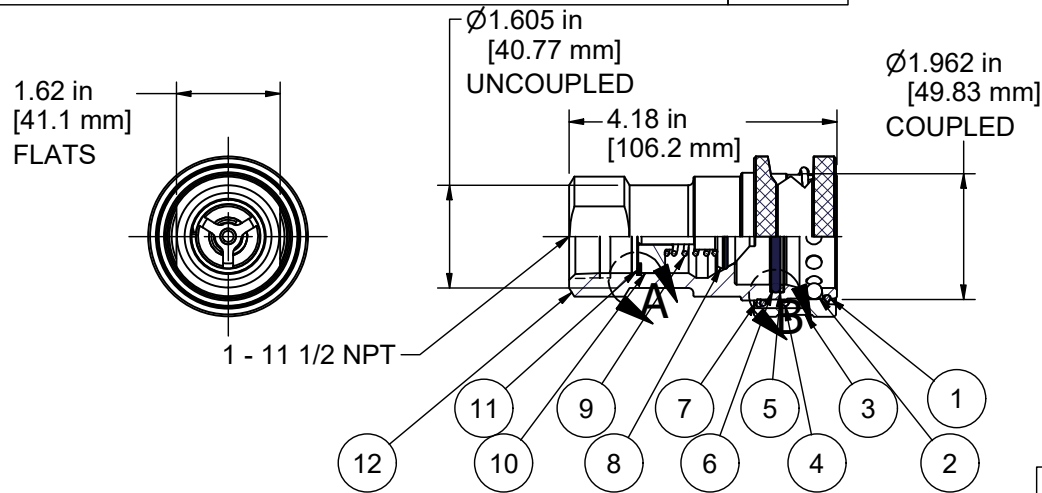
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Sheet 1 Of 1

Rev./Ver.

A

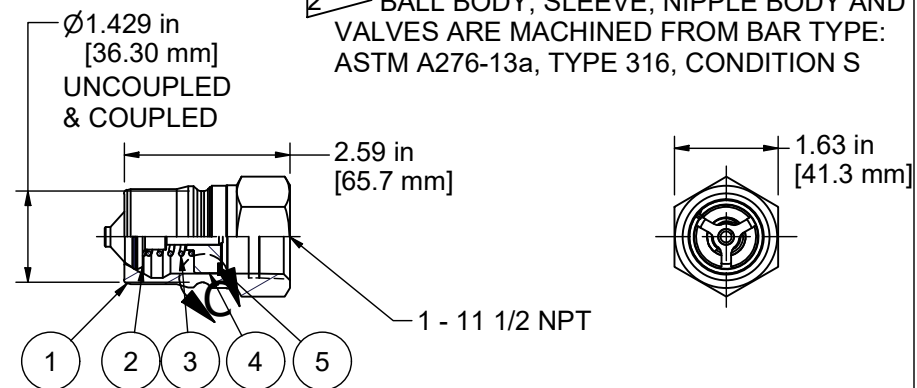
Part No.: SSH8-62Y AND SSH8-63Y	Rev No.
Title: 1 INCH 60 SERIES	-



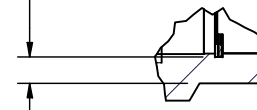
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ITEM	QTY	DESCRIPTION	MATERIAL
1	1	SNAP RING	316 STAINLESS STEEL
2	12	LOCKING BALL	316 STAINLESS STEEL
3	1	SLEEVE	316 STAINLESS STEEL
4	1	SLEEVE SPRING	316 STAINLESS STEEL
5	1	BACK-UP RING	316 STAINLESS STEEL
6	1	INTERFACE SEAL	316 STAINLESS STEEL
7	1	WASHER	316 STAINLESS STEEL
8	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	PERCH	316 STAINLESS STEEL
11	1	RETAINING RING	316 STAINLESS STEEL
12	1	BALL BODY	316 STAINLESS STEEL

# NOTES:

1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, SLEEVE, NIPPLE BODY AND VALVES ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION S

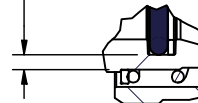


.204 in  
[5.18 mm]  
UNCOUPLED



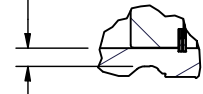
DETAIL A

.114 in  
[2.88 mm]  
COUPLED



DETAIL B

.142 in  
[3.61 mm]  
UNCOUPLED  
& COUPLED



DETAIL C

SSH8-63Y			
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE ASSEMBLY	316 STAINLESS STEEL & FLUOROCARBON
3	1	VALVE SPRING	316 STAINLESS STEEL
4	1	PERCH	316 STAINLESS STEEL
5	1	RETAINING RING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

Drawn: B. KAMINSKI

Checked: V. POPOV

## CUSTOMER DRAWING

Date: 8/27/2020

Approved: B. KAMINSKI

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Revision

RELEASE



Quick Coupling  
Division

Part No.: SSH8-62Y AND SSH8-63Y

Title: 1 INCH 60 SERIES

Reference: FOR CRN PURPOSES

Scale: N/A

Sheet 1 Of 1

Rev./Ver.

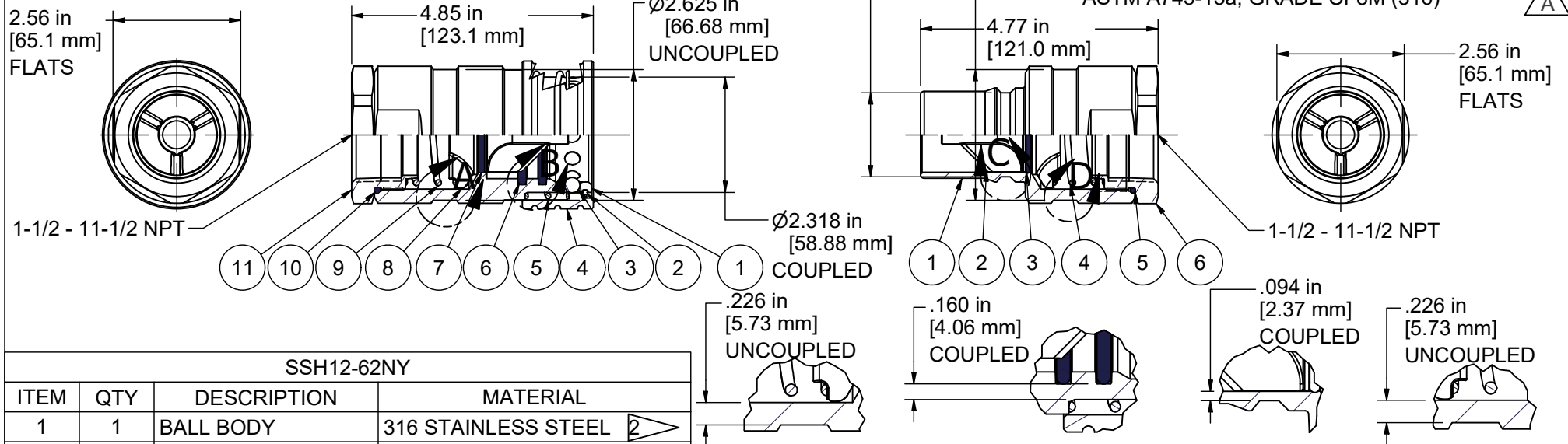
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Part No.: SSH12-62NY AND SSH12-63NY

Title: 1-1/2 INCH 60 SRIES

Rev No.

A



## NOTES:

1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, SLEEVE, NIPPLE BODY AND BUSHINGS ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION A
3. VALVES ARE INVESTMENT CAST FROM: ASTM A743-13a, GRADE CF8M (316)

## SSH12-62NY

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	BALL BODY	316 STAINLESS STEEL
2	1	SNAP RING	316 STAINLESS STEEL
3	12	LOCKING BALL	316 STAINLESS STEEL
4	1	SLEEVE	316 STAINLESS STEEL
5	1	SLEEVE SPRING	316 STAINLESS STEEL
6	2	INTERFACE SEAL	FLUOROCARBON
7	1	VALVE SEAL	FLUOROCARBON
8	1	VALVE	316 STAINLESS STEEL
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	FITTING SEAL	FLUOROCARBON
11	1	BUSHING	316 STAINLESS STEEL

## DETAIL A

## DETAIL B

## DETAIL C

## DETAIL D

## SSH12-63NY

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL
2	1	VALVE	316 STAINLESS STEEL
3	1	VALVE SEAL	FLUOROCARBON
4	1	VALVE SPRING	316 STAINLESS STEEL
5	1	FITTING SEAL	FLUOROCARBON
6	1	BUSHING	316 STAINLESS STEEL

Modeled: B. KAMINSKI

## CUSTOMER DRAWING

Drawn: B. KAMINSKI

Date: 8/27/2020

Checked: V. POPOV

Approved: B. KAMINSKI

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Revision

BAR AND CAST TYPE

**Parker**  
Fluid Connectors

Quick Coupling  
Division

Part No.: SSH12-62NY AND SSH12-63NY

Title: 1-1/2 INCH 60 SRIES

Reference: FOR CRN PURPOSES

Scale: N/A

Sheet 1 Of 1

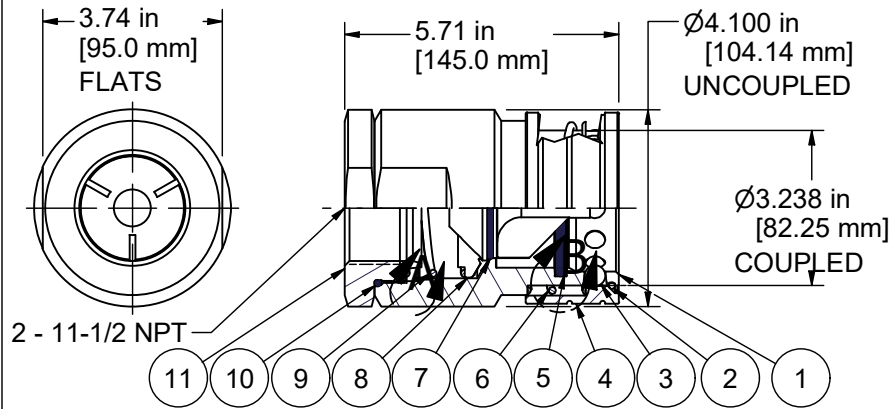
Rev./Ver.

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Part No.: SSH2016-62Y AND SSH2016-63Y

Title: 2-1/2 INCH 60 SERIES

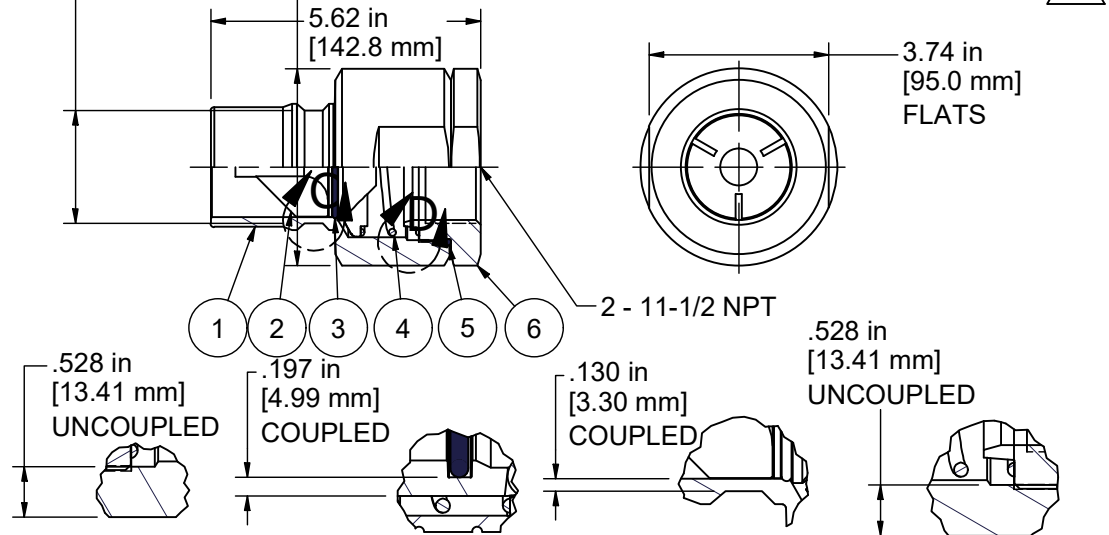
Rev No.

**A**

## SSH2016-62Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	BALL BODY	316 STAINLESS STEEL 2
2	1	SNAP RING	316 STAINLESS STEEL
3	12	LOCKING BALL	316 STAINLESS STEEL
4	1	SLEEVE	316 STAINLESS STEEL 2
5	1	INTERFACE SEAL	FLUOROCARBON
6	1	SLEEVE SPRING	316 STAINLESS STEEL
7	1	VALVE SEAL	FLUOROCARBON
8	1	VALVE	316 STAINLESS STEEL 3
9	1	VALVE SPRING	316 STAINLESS STEEL
10	1	FITTING SEAL	FLUOROCARBON
11	1	BUSHING	316 STAINLESS STEEL 2

Ø4.100 in  
[104.14 mm]  
UNCOUPLED



## NOTES:

1. ALL DIMENSIONS ARE REFERENCE
2. BALL BODY, SLEEVE, NIPPLE BODY AND BUSHINGS ARE MACHINED FROM BAR TYPE: ASTM A276-13a, TYPE 316, CONDITION A
3. VALVES ARE INVESTMENT CAST FROM: ASTM A743-13a, GRADE CF8M (316)

DETAIL ADETAIL BDETAIL CDETAIL D

## SSH2016-63Y

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	NIPPLE BODY	316 STAINLESS STEEL 2
2	1	VALVE	316 STAINLESS STEEL 3
3	1	VALVE SEAL	FLUOROCARBON
4	1	VALVE SPRING	316 STAINLESS STEEL
5	1	FITTING SEAL	FLUOROCARBON
6	1	BUSHING	316 STAINLESS STEEL 2

Modeled: B. KAMINSKI

**CUSTOMER DRAWING**

Drawn: B. KAMINSKI

Date: 8/27/2020

Checked: V. POPOV

Approved: B. KAMINSKI

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Revision

BAR AND CAST TYPE

Quick Coupling  
Division

Part No.: SSH2016-62Y AND SSH2016-63Y

Title: 2-1/2 INCH 60 SERIES

Reference: FOR CRN PURPOSES

Scale: N/A

Sheet 1 Of 1

Rev./Ver.

**A**