

# Flow Line

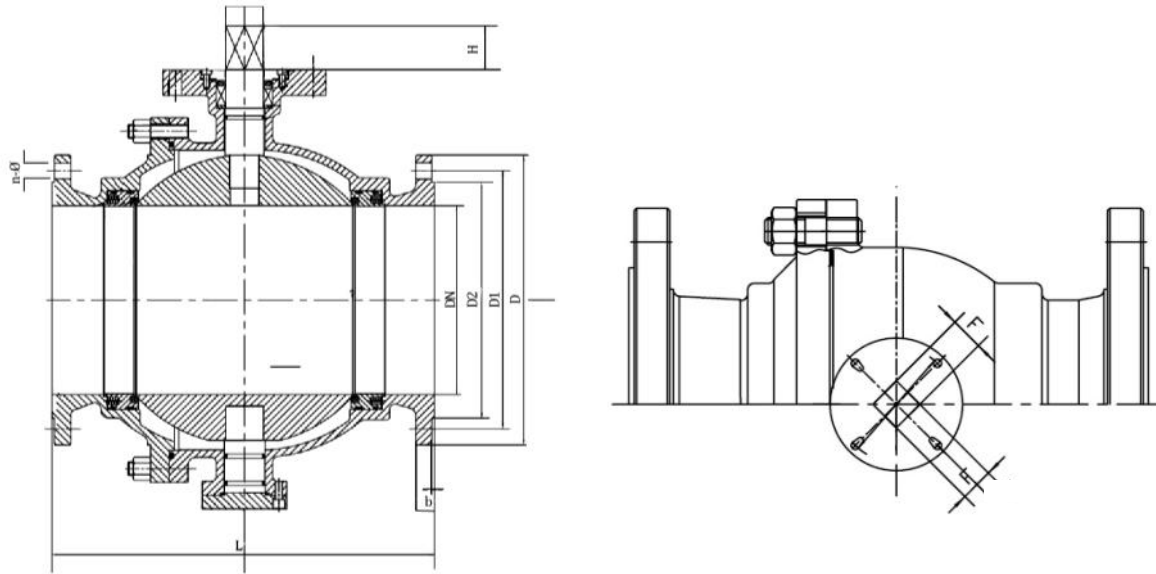
# 65



***ANSI Flanged Trunnion Ball Valve  
with ISO 5211 Mounting***

**Sizes 1/2" - 12"**

# ENGINEERING



## ANSI 150

Size	L	D	D1	D2	b	H	F	n-Ø	ISO 5211
4"	9.02	9.0	7.5	6.2	0.9	.9		8-0.7	F10
5"						1.1			
6"	15.51	11.0	9.5	8.5	1.0	1.26		8-0.9	F12
8"	17.99	13.5	11.8	10.6	1.1	1.58		8-0.9	F12
10"	20.98	16.0	14.0	12.8	1.2	1.71		12-1.0	F14
12"	24.02	17.0	19.1	15.0	1.3	1.81		12-1.0	F16

## ANSI 300

Size	L	D	D1	D2	b	H	F	n-Ø	ISO 5211
4"	12.01	10.0	7.9	6.2	1.3	.7		8-0.9	F10
5"						.9			
6"	15.87	12.5	10.6	8.5	1.4	1.1		12-0.9	F12
8"	19.76	15.0	13.0	10.6	1.6	1.1		12-1.0	F12
10"	22.36	17.5	15.3	12.8	1.9	1.81		16-1.1	F14
12"	25.51	20.5	17.8	15.0	2.0	1.81		16-1.3	F16

## ANSI 600

Size	L	D	D1	D2	b	H	F	n-Ø	ISO 5211
4"	17.01	10.7	8.5	6.2	1.5			8-1.0	F12
5"									
6"	22.01	14.0	11.5	8.5	1.9			12-1.1	F14
8"	25.98	16.5	13.7	10.6	2.2			12-1.3	F16
10"	30.98	20.0	17.0	12.8	2.5			16-1.4	F16
12"	32.99	22.0	19.3	15.0	2.6			20-1.4	F25

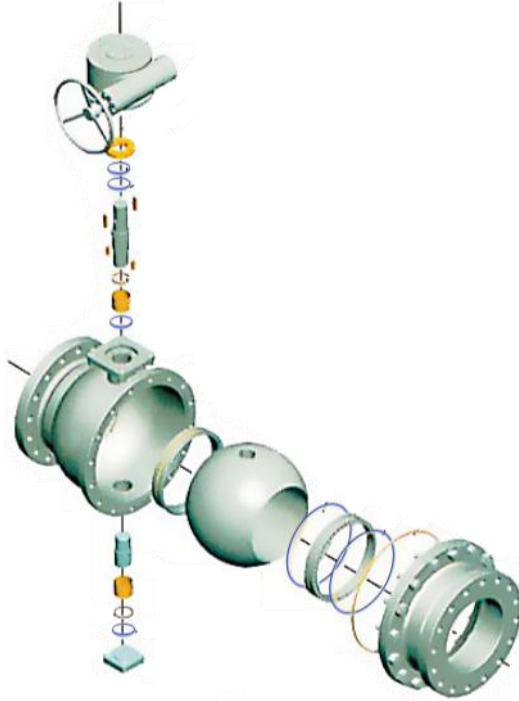
For additional information about Classes:

**ANSI 600 ANSI 900 ANSI 1500 ANSI 2500**

See our website at: [www.FlowLineValves.com](http://www.FlowLineValves.com)

# ENGINEERING

## DIMENSIONS



## MATERIALS OF CONSTRUCTION

Part	Material
<b>Body</b>	■ ASTM A351-CF8M
	■ ASTM A216-WCB
<b>Cap</b>	■ ASTM A351-CF8M
<b>Ball</b>	■ ASTM A351-CF8M
<b>Seat</b>	■ RTFE
<b>Seal</b>	■ PTFE
<b>Thrust Washer</b>	■ PTFE
<b>Packing</b>	■ PTFE
<b>Stem</b>	■ ASTM A276-316
<b>Gland</b>	■ ASTM A276-316
<b>Locking Pad</b>	■ ASTM A276-316
<b>Gland Bolt</b>	■ ASTM A276-316
<b>Handle</b>	■ ASTM A36 (A536)
<b>Bolt</b>	■ AISI 304

## TORQUE

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
ANSI 150														
ANSI 300														
ANSI 600														

- ◆ Torque chart is to be used as a guide only.
- ◆ These torque ratings do not apply to every possible service criteria, which may affect seating and unseating torque.
- ◆ Torque vales are applicable to Flow Line Series 70S.
- ◆ Do not apply a safety factor to the above torque values when sizing actuators.
- ◆ Dynamic Torque should always be a consideration when sizing valves with high differential pressures.

For additional information about Classes:

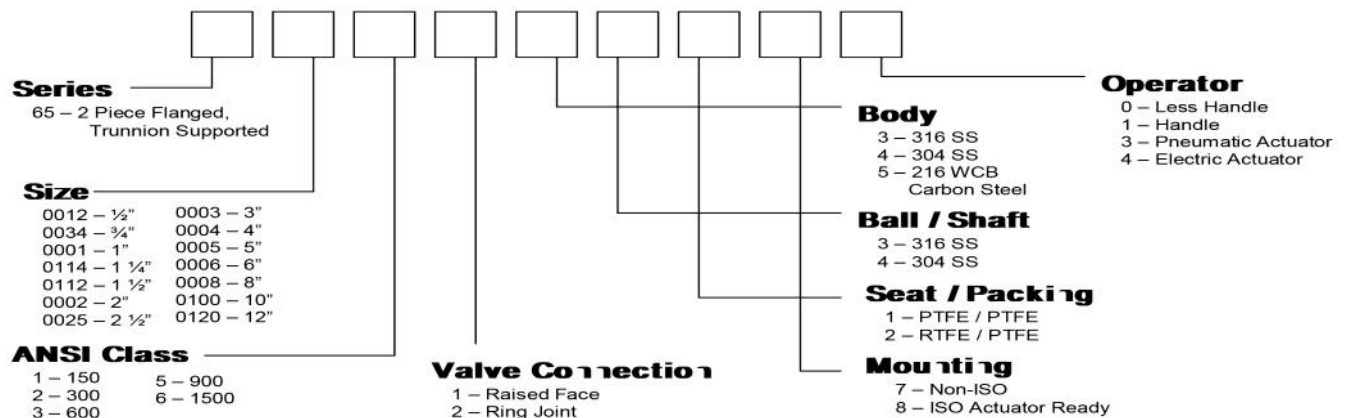
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## CV VALUES

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
ANSI 150	24	55	95	155	260	450	710	1100	2100	2900	5400	9500	16000	23000

## How to Order



# ACTUATION



Series 21 spring return actuators are available throughout the size range.



Series 50 solenoid valves are available in 1/8", 1/4", and 1/2"NPT.



Series 52 and 53 limit switches provide local and remote valve position.



Series 55 and 56 positioners are available with either a 3-15 psi or 4-20 MADC signal.

## Applicable Standards

- Design ASME B16.34, API 608
- Face to Face ASME B16.10
- Wall Thickness ASME B16.34
- End Flange ASME B16.5
- Inspection & Test- API 598, API 6D



## Warranty

All products manufactured by Flow Line Valve and Controls, LLC. are warranted against defects in material and workmanship for a period of 2 years following the date of purchase.

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