

# 3-PIECE FLANGED BALL VALVE

NH3FC150 – ANSI 150LB    NH3FJ10K – JIS 10K

NH3FPN16 – DIN PN16    NH3FPN40 – DIN PN40

– With ISO 5211 Mounting Pad

## Technical Data

- ISO 5211 Direct Mounting Pad
  - Full Port
  - Investment Casting
  - Design: ASME B16.34
  - Valves Inspected & Tested according to API 598 Standard
- Material: ANSI 150LB– ASTM-A351-CF8M, ASTM-A351-CF8, ASTM-A351-CF3M, ASTM-A216-WCB

JIS 10K– SCS 14A / SCS 13A  
 DIN PN16 & PN40– EN10213-1.4408, EN10213-1.4308, EN10213-1.4409, EN10213-1.0619

Working Pressure: ANSI Class 150 / JIS 10K / DIN PN16 / DIN PN40

Flange Dimension: ANSI B16.5 / JIS B2220 / EN1092-1

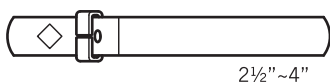
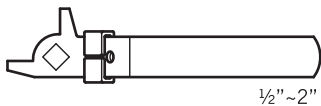
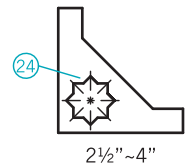
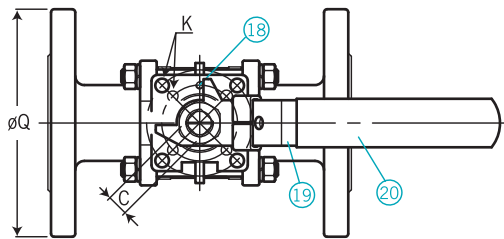
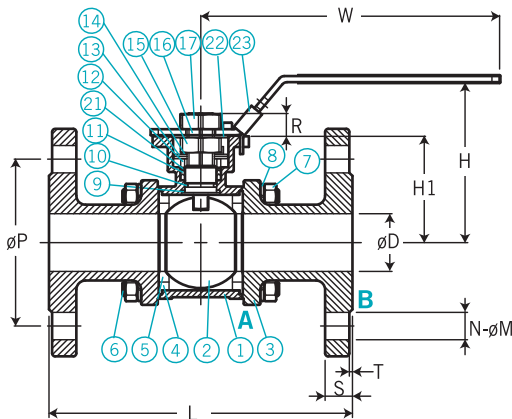
Face to Face Dimension: DIN3202 / F1 Type

Size Ranging: ½"~4" (DN15~DN100);  
 ½"~1½" (DN15~DN40) are common type with PN40

Option: Locking Device



## Dimensions

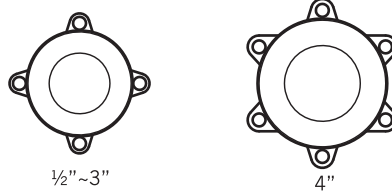


## Dimension Data

Size	C	øD	unit=mm															
			øP				øQ				S				T			
			ANSI 150	JIS 10K	DIN PN16	DIN PN40	ANSI 150	JIS 10K	DIN PN16	DIN PN40	ANSI 150	JIS 10K	DIN PN16	DIN PN40	ANSI 150	JIS 10K	DIN PN16	DIN PN40
1/2"	9	15	60.5	70	65	65	89	95	95	95	11.2	12	16	16	1.6	1	2	2
3/4"	9	20	70	75	75	75	98	100	105	105	11.2	14	18	18	1.6	1	2	2
1"	11	25	79.5	90	85	85	108	125	115	115	11.2	14	18	18	1.6	1	2	2
1¼"	11	32	89	100	100	100	117	135	140	140	12.7	16	18	18	1.6	2	2	2
1½"	14	38	98.5	105	110	110	127	140	150	150	14.3	16	18	18	1.6	2	3	3
2"	14	50	120.5	120	125	125	152	155	165	165	15.9	16	20	20	1.6	2	3	3
2½"	17	65	140	140	145	145	178	175	185	185	17.5	18	18	22	1.6	2	3	3
3"	17	80	152.5	150	160	160	190	185	200	200	19	18	20	24	1.6	2	3	3
4"	22	100	190.5	175	180	190	229	210	220	235	23.8	18	20	24	1.6	2	3	3

Size	H	H1	K	L	øM				N				R	W
					ANSI 150	JIS 10K	DIN PN16	DIN PN40	ANSI 150	JIS 10K	DIN PN16	DIN PN40		
1/2"	73	36	F03/F04	130	15.9	15	14	14	4	4	4	4	9	111
3/4"	78	41	F03/F04	150	15.9	15	14	14	4	4	4	4	9	111
1"	87.5	49.5	F04/F05	160	15.9	19	14	14	4	4	4	4	11	186
1¼"	94	56	F04/F05	180	15.9	19	18	18	4	4	4	4	11	186
1½"	109	70	F05/F07	200	15.9	19	18	18	4	4	4	4	14	197
2"	117	78	F05/F07	230	19.1	19	18	18	4	4	4	4	14	197
2½"	139	98	F07/F10	290	19.1	19	18	18	4	4	8	8	17	265.5
3"	149.5	108.5	F07/F10	310	19.1	19	18	18	4	8	8	8	17	265.5
4"	195	140	F10/F12	350	19.1	19	18	22	8	8	8	8	22	321

### Detail A.



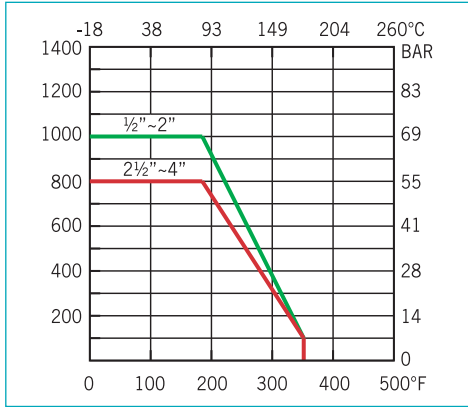
### Detail B.



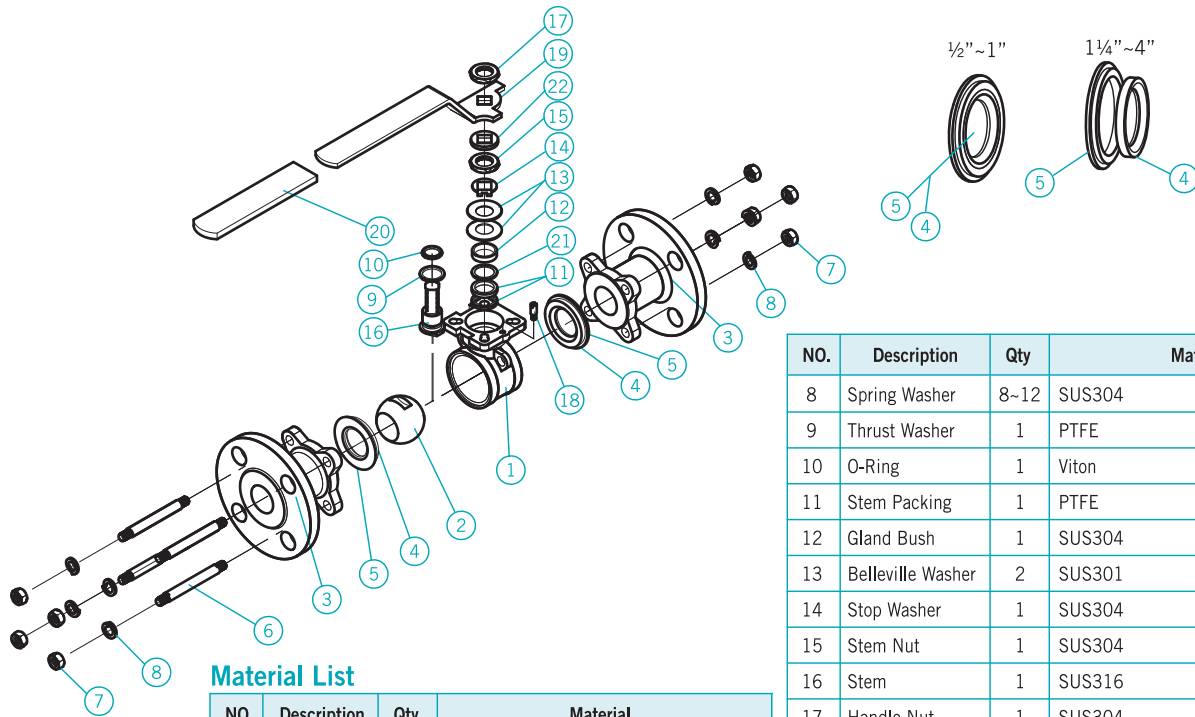
(ANSI 150LB) ½"~3"  
 (JIS 10K) ½"~2½"  
 (DIN PN16/PN40) ½"~2"

(ANSI 150LB) 4"  
 (JIS 10K) 3"~4"  
 (DIN PN16/PN40) 2½"~4"

## Pressure-Temperature Chart



## Parts & Material List



### Material List

NO.	Description	Qty	Material	
1	Body	1	ASTM-A351-CF8M	ASTM-A216-WCB
2	Ball	1	ASTM-A351-CF8M	ASTM-A351-CF8
3	Cap	2	ASTM-A351-CF8M	ASTM-A216-WCB
4	Seat	2	PTFE	PTFE
5	Joint Gasket	2	PTFE	PTFE
6	Bolt	4~6	SUS304	SUS304
7	Nut	8~12	SUS304	SUS304

NO.	Description	Qty	Material	
8	Spring Washer	8~12	SUS304	SUS304
9	Thrust Washer	1	PTFE	PTFE
10	O-Ring	1	Viton	Viton
11	Stem Packing	1	PTFE	PTFE
12	Gland Bush	1	SUS304	SUS304
13	Belleville Washer	2	SUS301	SUS301
14	Stop Washer	1	SUS304	SUS304
15	Stem Nut	1	SUS304	SUS304
16	Stem	1	SUS316	SUS304
17	Handle Nut	1	SUS304	SUS304
18	Stop Pin	1	SUS304	SUS304
19	Handle	1	SUS304	SUS304
20	Handle Cover	1	Plastic	Plastic
21	Thrust Washer	1	PTFE 15%	PTFE 15%
22	Square Washer	1	SUS304	SUS304
23	Locking Device	1	SUS304	SUS304
24	Stopper	1	SUS304	SUS304

## Ordering Information

Model	Flange Rating	
NH3FC150	ANSI Class 150	NH3FJ10K JIS 10K
NH3FPN16	DIN PN16	NH3FPN40 DIN PN40
↓	<b>Code</b>	<b>Connection Size</b>
		(1) 1/2" (2) 3/4" (3) 1" (4) 1 1/4" (5) 1 1/2" (6) 2" (7) 2 1/2" (8) 3" (9) 4"
	<b>Code</b>	<b>Body Material</b>
	ANSI	(1) ASTM-A351-CF8M (2) ASTM-A351-CF8 (3) ASTM-A351-CF3M (4) ASTM-A216-WCB
	JIS	(5) SCS 14A (6) SCS 13A
DIN	(7) EN10213-1.4408 (8) EN10213-1.4308 (9) EN10213-1.4409 (10) EN10213-1.0619	
		<b>Complete Ordering Code</b>

**Ordering code example:**  
**NH3FPN16-3-DIN 10**  
 → NH3FPN16= Model  
 → 3= Connection Size (DN25 PN16)  
 → DIN 10= Body Material (EN10213-1.0619)