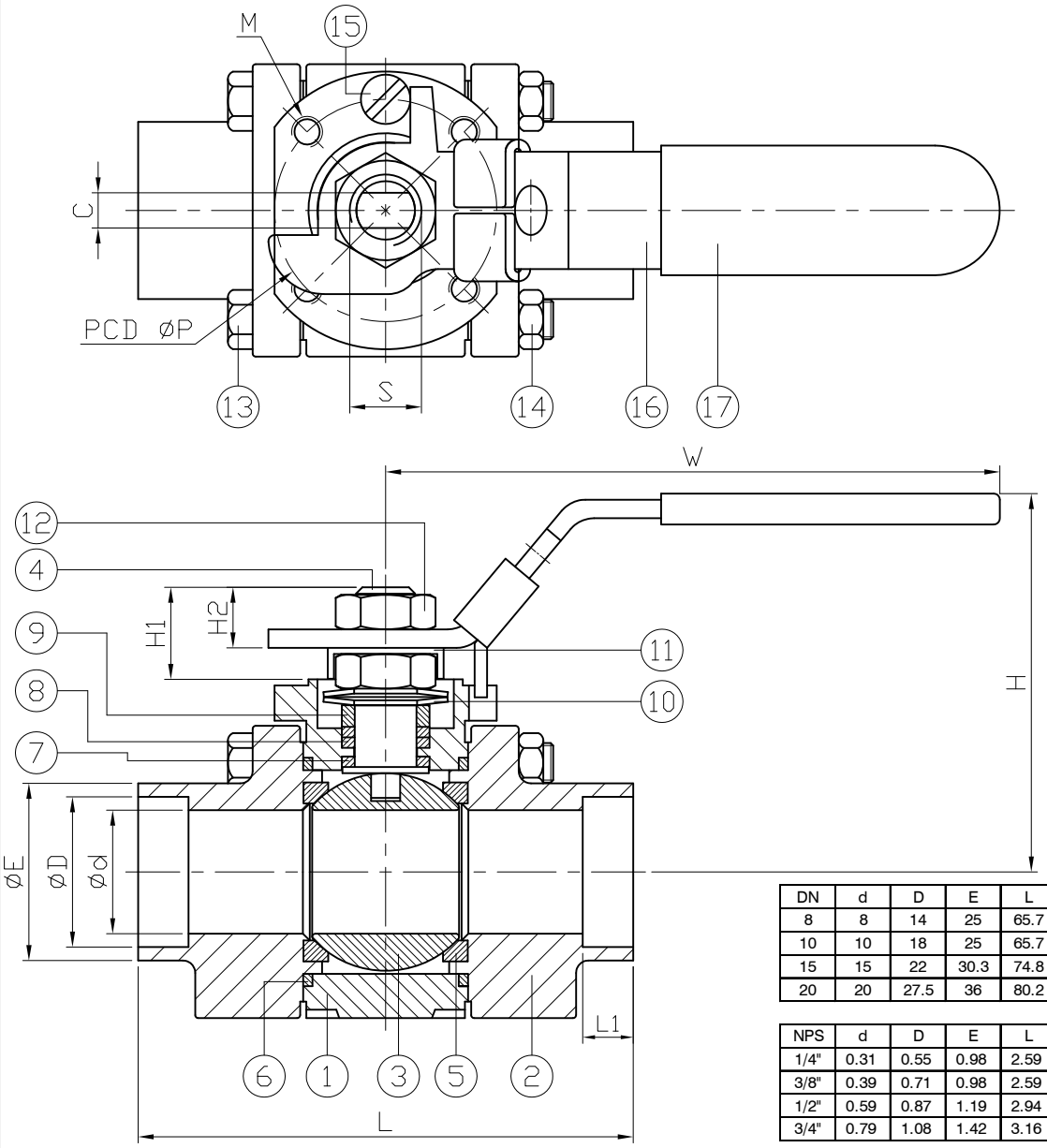
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ITEM	PARTS	MATERIAL		
1	BODY	ASTM A351-CF8M	ASTM A216-WCB	ASTM A352-LCC
2	CAP			
3	BALL	ASTM A351-CF8M		
4	STEM	ASTM A276-316		
5	BALL SEAT	PTFE / RTFE / CTFE / TFM 1600		
6	GASKET	GRAPHITE		
7	THRUST WASHER	CTFE		
8	PACKING	GRAPHITE		
9	GLAND RING	AISI 304		
10	DISC SPRING	AISI 301		
11	LOCK PAD	ASTM A167-304		
12	STEM NUT	ASTM A194-8A		
13	BOLT	ASTM A193-B8A		
14	NUT	ASTM A194-8A		
15	STOP PIN	AISI 304		
16	HANDLE	STAINLESS STEEL		
17	HANDLE SLEEVE	PVC		

Fire Safe Certified to API 607 4th Edition

DN	d	D	E	L	L1	H	H1	H2	W	C	P	ISO 5211	M	S	Torque (N-M)	Weight (kg)
8	8	14	25	65.7	10	57	12.1	9.8	113.5	5.7	36	F03	M5*0.8	3/8"-24UNF	3.8	0.7
10	10	18	25	65.7	10	57	12.1	9.8	113.5	5.7	36	F03	M5*0.8	3/8"-24UNF	3.8	0.7
15	15	22	30.3	74.8	10	57	12.1	9.8	113.5	5.7	36	F03	M5*0.8	3/8"-24UNF	3.8	0.8
20	20	27.5	36	80.2	13	59.7	14.5	10.6	113.5	5.7	36	F03	M5*0.8	3/8"-24UNF	5.1	0.9

unit:mm

NPS	d	D	E	L	L1	H	H1	H2	W	C	P	ISO 5211	M	S	Torque (in-lb)	Weight (lb)
1/4"	0.31	0.55	0.98	2.59	0.39	2.24	0.48	0.39	4.47	0.22	1.42	F03	M5*0.8	3/8"-24UNF	33.8	1.6
3/8"	0.39	0.71	0.98	2.59	0.39	2.24	0.48	0.39	4.47	0.22	1.42	F03	M5*0.8	3/8"-24UNF	33.8	1.6
1/2"	0.59	0.87	1.19	2.94	0.39	2.24	0.48	0.39	4.47	0.22	1.42	F03	M5*0.8	3/8"-24UNF	33.8	1.7
3/4"	0.79	1.08	1.42	3.16	0.51	2.35	0.57	0.42	4.47	0.22	1.42	F03	M5*0.8	3/8"-24UNF	45.1	1.9

unit:in

Ra	JIS
0.2	▽▽▽
1.6	▽▽
6.3	▽
25	▽
∅	~

GENERAL TOLERANCE

0.5~5	± 0.1
6~30	± 0.2
31~120	± 0.3
121~320	± 0.5
321~1000	± 0.8

HAITIMA CORPORATION
P.O.BOX 34-36 TAIPEI TAIWAN R.O.C.
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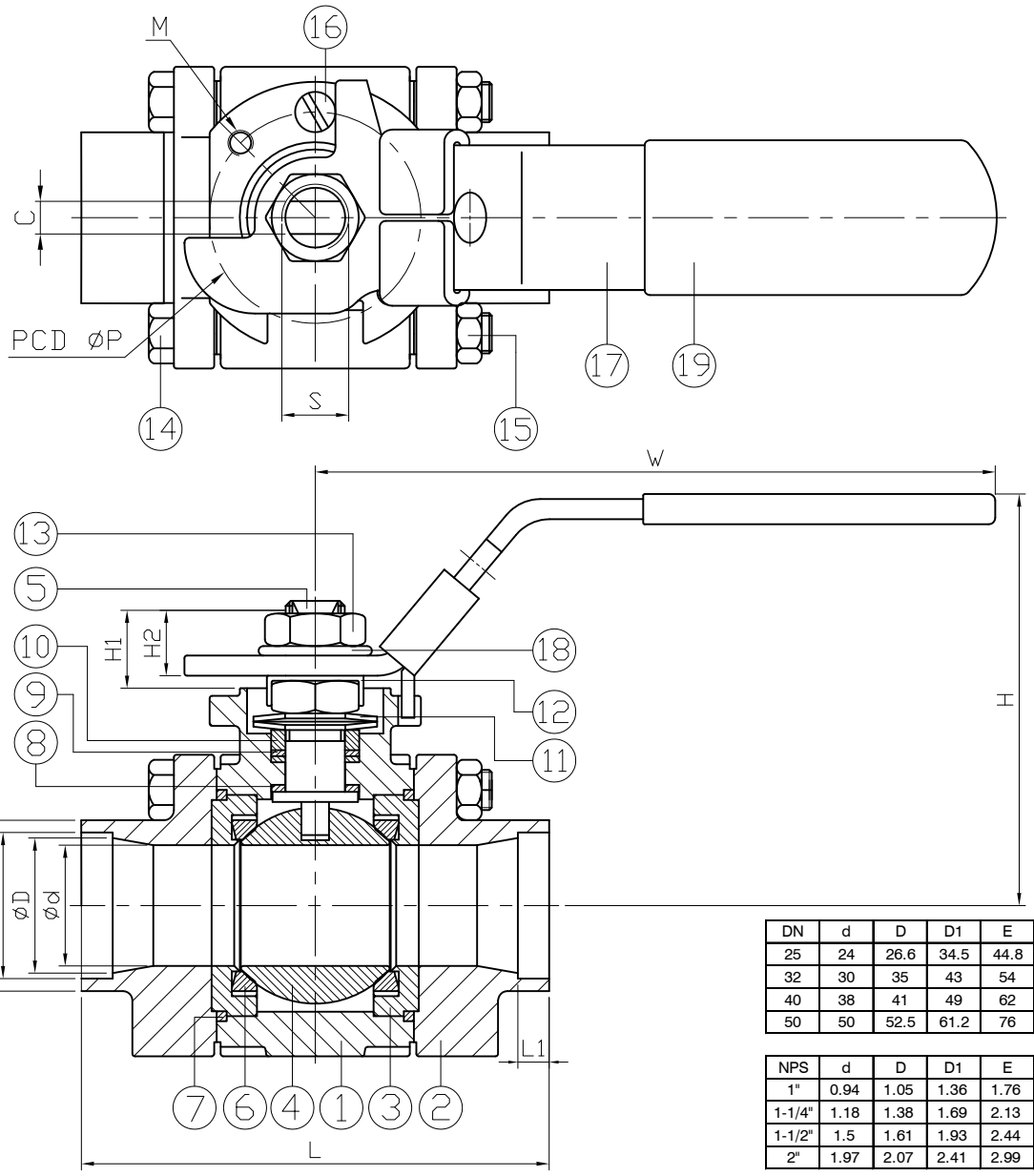
HAITIMA CORPORATION

CHECK BY	DRAWING BY	DATE	SPECIFICATION	3-PC Socket Weld End Ball Valve 2000 WOG
	Kevin	Dec.19.2014	MATERIAL	CF8M/WCB/LCC
			PROCESS/Nr.	
			UNIT / SCALE	mm

3			
2			
1			
Revise	Description	Date	Approve

DRAWING NO. 2011KM000HL-14

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ITEM	PARTS	MATERIAL		
1	BODY	ASTM A351-CF8M	ASTM A216-WCB	ASTM A352-LCC
2	CAP			
3	RETAINER	ASTM A351-CF8M		
4	BALL			
5	STEM	ASTM A276-316		
6	BALL SEAT	PTFE / RTFE / CTFE / TFM 1600		
7	GASKET	GRAPHITE		
8	THRUST WASHER	CTFE		
9	PACKING	GRAPHITE		
10	GLAND RING	AISI 304		
11	DISC SPRING	AISI 301		
12	LOCK PAD	ASTM A167-304		
13	STEM NUT	ASTM A194-8A		
14	BOLT	ASTM A193-B8A		
15	NUT	ASTM A194-8A		
16	STOP PIN	AISI 304		
17	HANDLE	STAINLESS STEEL		
18	SPRING WASHER	AISI 304		
19	HANDLE SLEEVE	PVC		

Fire Safe Certified to API 607 4th Edition

DN	d	D	D1	E	L	L1	H	H1	H2	W	C	P	ISO 5211	M	S	Torque (N-M)	Weight (kg)
25	24	26.6	34.5	44.8	93	13	81.5	15.5	14	146	7.5	42	F04	M5*0.8	7/16"-20UNF	10.2	1.7
32	30	35	43	54	110.6	13	85.9	15.5	15	146	7.5	42	F04	M5*0.8	7/16"-20UNF	15.9	2.7
40	38	41	49	62	122.6	13	96.7	27.3	18.7	180	8.6	50	F05	M6*1.0	9/16"-18UNF	21	3.9
50	50	52.5	61.2	76	140	16	104.9	28.1	19	180	8.6	50	F05	M6*1.0	9/16"-18UNF	32.1	6.2

unit:mm

NPS	d	D	D1	E	L	L1	H	H1	H2	W	C	P	ISO 5211	M	S	Torque (in-lb)	Weight (lb)
1"	0.94	1.05	1.36	1.76	3.66	0.51	3.21	0.61	0.55	5.75	0.3	1.65	F04	M5*0.8	7/16"-20UNF	90.2	3.8
1-1/4"	1.18	1.38	1.69	2.13	4.35	0.51	3.38	0.61	0.59	5.75	0.3	1.65	F04	M5*0.8	7/16"-20UNF	141	6
1-1/2"	1.5	1.61	1.93	2.44	4.83	0.51	3.81	1.07	0.74	7.09	0.34	1.97	F05	M6*1.0	9/16"-18UNF	186	8.5
2"	1.97	2.07	2.41	2.99	5.51	0.63	4.13	1.11	0.75	7.09	0.34	1.97	F05	M6*1.0	9/16"-18UNF	284.1	13.6

unit:in

1" : 2000WOG
1-1/4"~2" : 1500 WOG

Ra	JIS
0.2	▽▽▽
1.6	▽▽
6.3	▽
25	▽
∅	~

GENERAL TOLERANCE

0.5~5	± 0.1
6~30	± 0.2
31~120	± 0.3
121~320	± 0.5
321~1000	± 0.8

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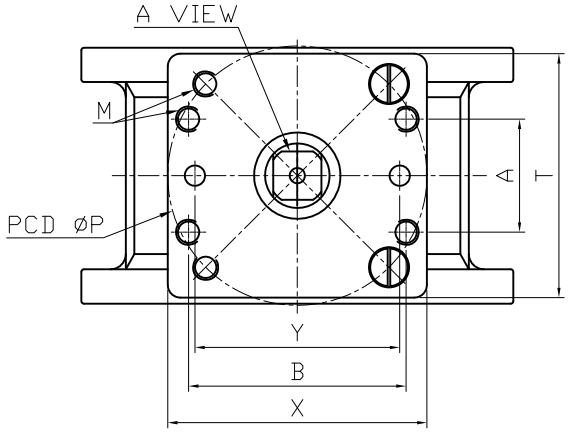
HAITIMA CORPORATION

CHECK BY	DRAWING BY	DATE	SPECIFICATION	3-PC Socket Weld End Ball Valve
	Kevin	Dec.19.2014	MATERIAL	CF8M/WCB/LCC
			PROCESS/Nr.	
			UNIT / SCALE	MM

Revise	Description	Date	Approve
3			
2			
1			

DRAWING NO. 2011KM001HL-14

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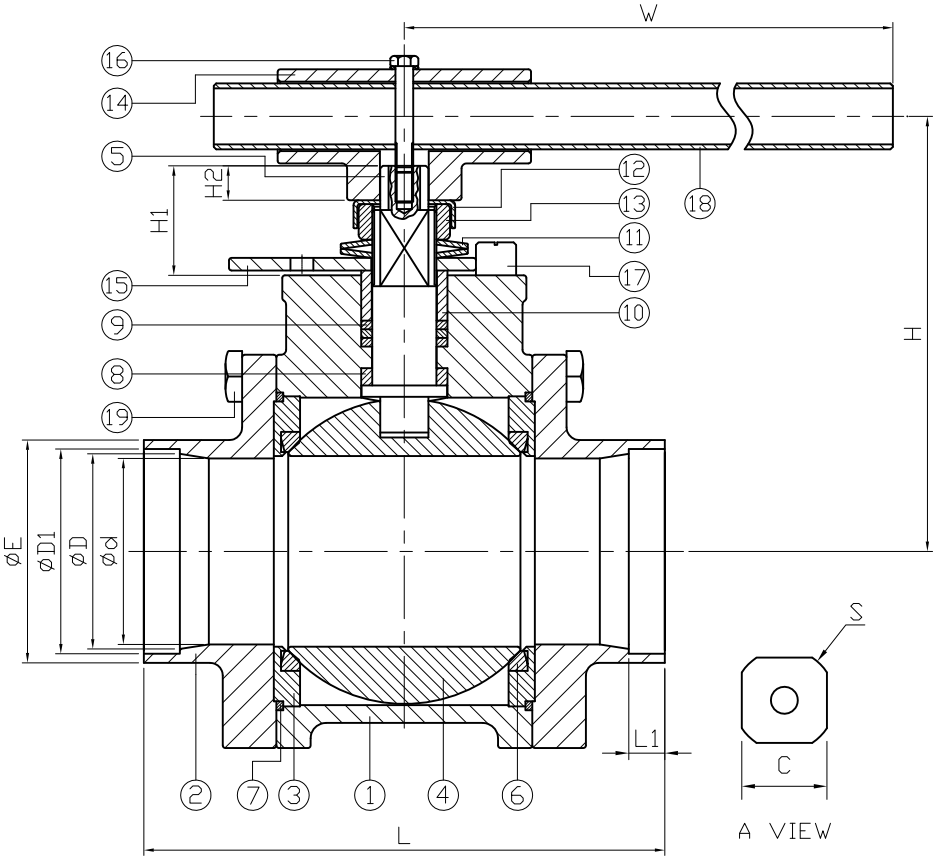
DN	d	D	D1	E	L	L1	H	H1	H2	W	C	P	A	B	Y	T	X	M	S	ISO 5211	Torque (N-M)	Weight (kg)
65	64	65	74	92	184.6	16	133.9	42.5	15	222.5	14	70	32	70	64	70	85	M8*1.25	M20*2.5	F07	53.5	10.5
80	75	78	90	104	204	16	172.1	46.4	17.5	344	19	102	44.5	85.6	80.6	96	102	M10*1.5	1"-14UNF	F10	111.5	16.7
100	96	-	115.5	136	240	20	185.5	47	17.5	344	19	102	44.5	85.6	80.6	96	102	M10*1.5	1"-14UNF	F10	114	26.6

unit:mm

NPS	d	D	D1	E	L	L1	H	H1	H2	W	C	P	A	B	Y	T	X	M	S	ISO 5211	Torque (in-lb)	Weight (lb)
2-1/2"	2.52	2.56	2.91	3.62	7.27	0.63	5.27	1.67	0.59	8.76	0.55	2.76	1.26	2.76	2.52	2.76	3.35	M8*1.25	M20*2.5	F07	473.6	23.1
3"	2.95	3.07	3.54	4.09	8.03	0.63	6.78	1.83	0.69	13.54	0.75	4.02	1.75	3.37	3.17	3.78	4.02	M10*1.5	1"-14UNF	F10	986.9	36.8
4"	3.78	-	4.55	5.35	9.45	0.79	7.3	1.85	0.69	13.54	0.75	4.02	1.75	3.37	3.17	3.78	4.02	M10*1.5	1"-14UNF	F10	1009	58.6

unit:in

Fire Safe Certified to API 607 4th Edition



ITEM	PARTS	MATERIAL		
1	BODY	ASTM A351-CF8M	ASTM A216-WCB	ASTM A352-LCC
2	CAP			
3	RETAINER	ASTM A351-CF8M		
4	BALL			
5	STEM	ASTM A276-316		
6	BALL SEAT	PTFE / RTFE / CTFE / TFM 1600		
7	GASKET	GRAPHITE		
8	THRUST WASHER	CTFE		
9	PACKING	GRAPHITE		
10	GLAND RING	AISI 304		
11	DISC SPRING	AISI 301		
12	LOCK PAD	ASTM A167-304		
13	STEM NUT	ASTM A194-8A		
14	WRENCH BLOCK	AISI 304		
15	STOPPER			
16	HEX HESD BOLT			
17	STOP PIN			
18	HANDLE			
19	BOLT	ASTM A193-B8A		

GENERAL TOLERANCE

0.5~5	± 0.1
6~30	± 0.2
31~120	± 0.3
121~320	± 0.5
321~1000	± 0.8

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HAITIMA CORPORATION

CHECK BY	DRAWING BY	DATE	SPECIFICATION	3-PC Socket Weld End Ball Valve 1000 WOG
	Ray	Sep.14.2013	MATERIAL	CF8M/WCB/LCC
			PROCESS/Nr.	
			UNIT / SCALE	mm

Revise	Description	Date	Approve
3			
2			
1			

DRAWING NO. 2011KM002HL-13