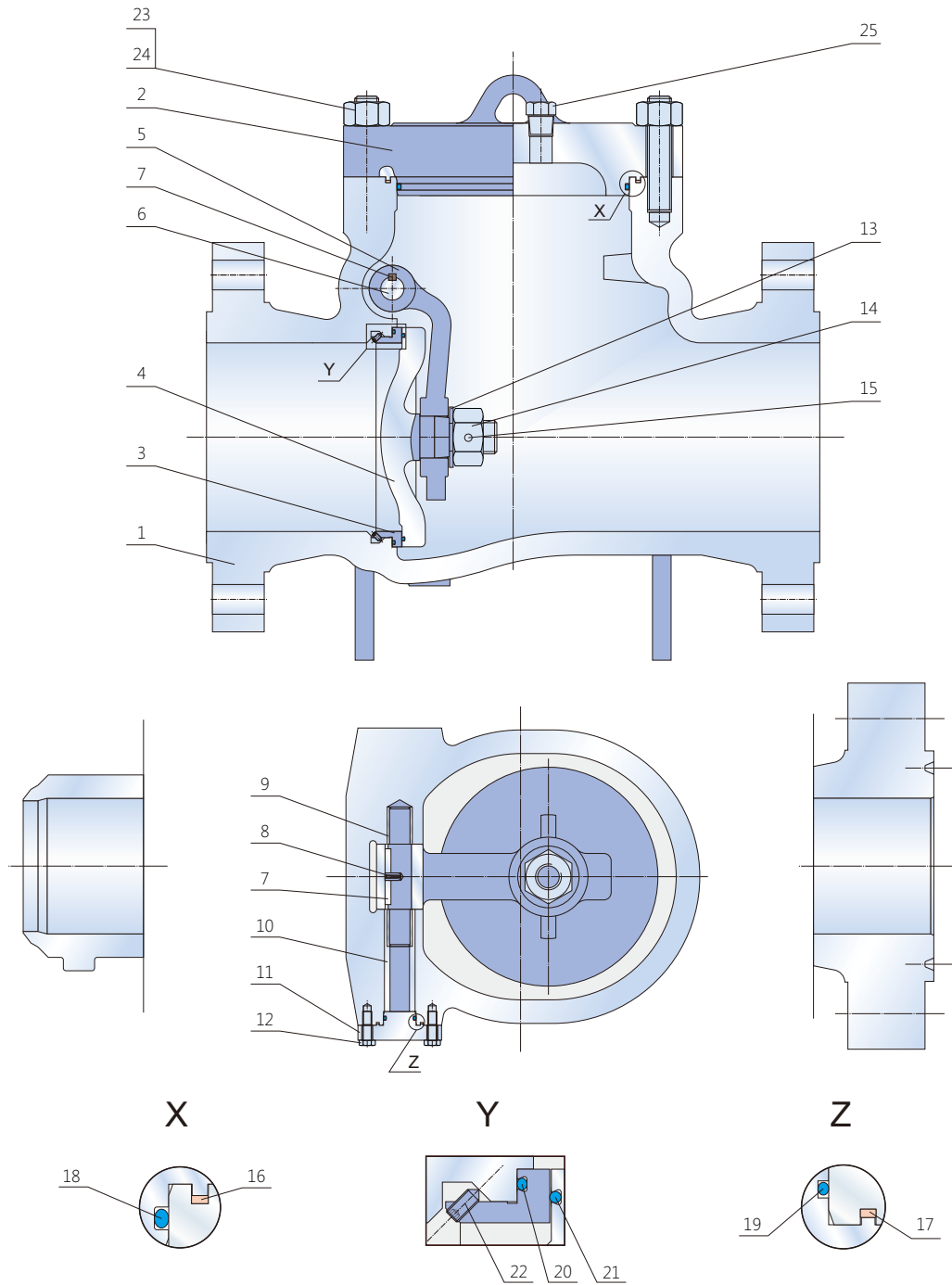


# Series SC

Part number: C-SC-1504

## 6D CHECK

### MATERIAL SPECIFICATIONS



**Sizes and pressure classes:**

Sizes: 2" to 24"  
 class rating: 150, 300, 600, 900, 1500

**Operating temperature:**

-20 °C to 200 °C (-20 °F to 250 °F)

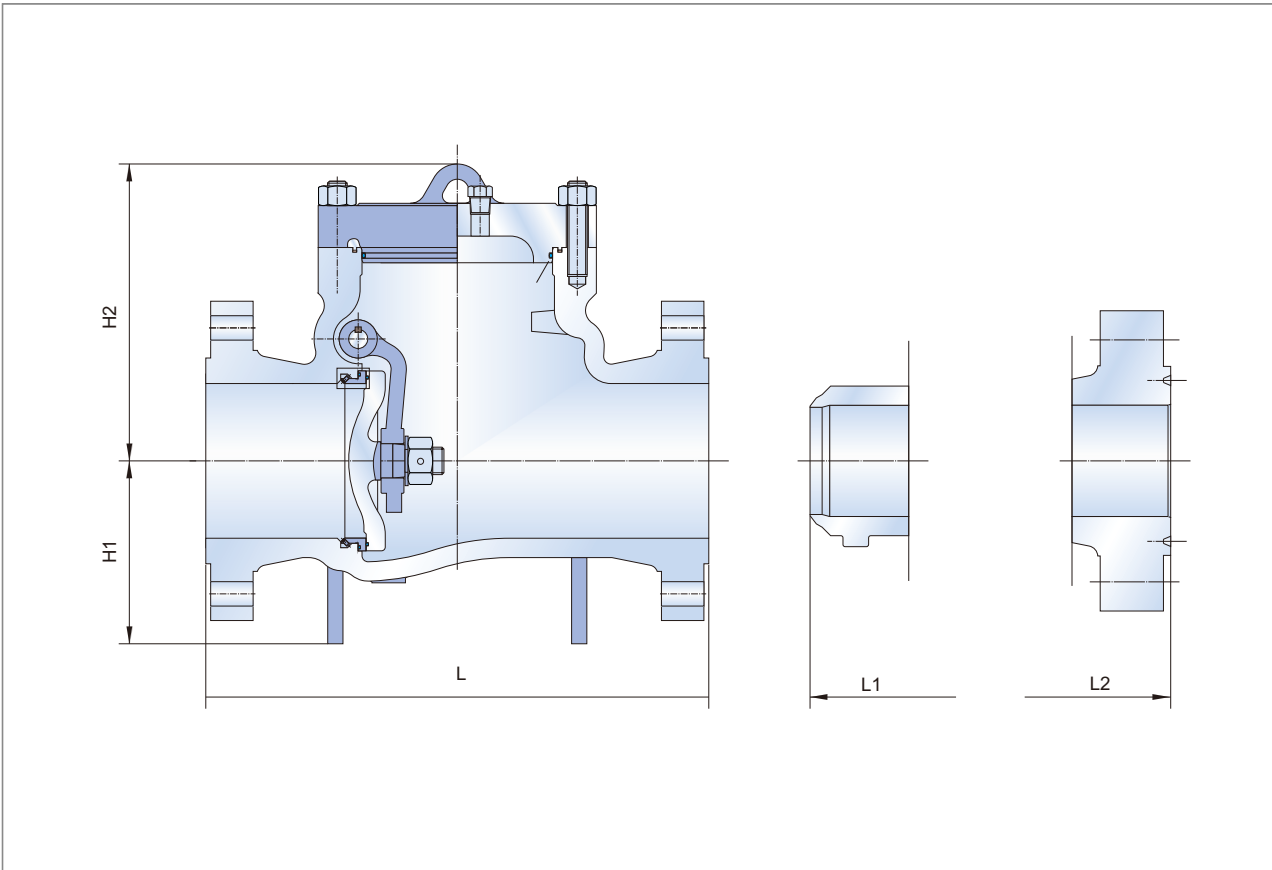
## MATERIAL SPECIFICATIONS

NO.	PART	Carbon Steel	Carbon Steel(NACE)
1	Body	ASTM A216 WCC	ASTM A216 WCC
2	Cover	ASTM A105/A216 WCC	ASTM A105/A216 WCC
3	Seat Ring	ASTM A105+316/A182 F316	ASTM A105+316/A182 F316
4	Disc	ASTM A216 WCB+316/A351 CF8M	ASTM A216 WCB+316/A351 CF8M
5	Hinge	ASTM A216 WCC/WCB	ASTM A216 WCC/WCB
6	Shaft	Stainless Steel	Stainless Steel
7	Key	Carbon Steel	Carbon Steel
8	Pin	Carbon Steel	Carbon Steel
9	Bearing	316SS+PTFE+MoS2	316SS+PTFE+MoS2
10	Bearing Retainer	Stainless Steel	Stainless Steel
11	Gland	Carbon Steel	Carbon Steel
12	Gland Screw	ASTM A193 B7	ASTM A193 B7M
13	Disc Washer	Stainless Steel	Stainless Steel
14	Disc Nut	Stainless Steel	Stainless Steel
15	Disc Nut Pin	Stainless Steel	Stainless Steel
16	* Body Gasket	Graphite	Graphite
17	* Gland Gasket	Graphite	Graphite
18	* O-ring	Viton	Viton
19	* O-ring	Viton	Viton
20	* O-ring	Viton	Viton
21	* O-ring	Viton	Viton
22	Screw	Stainless Steel	Stainless Steel
23	Body Stud	ASTM A193 B7	ASTM A193 B7M
24	Body Nut	ASTM A194 2H	ASTM A194 2HM
25	Cover Hex Plug	Stainless Steel	Stainless Steel

\* Recommended Spare Parts

+ Condition H1150D

DIMENSIONS AND WEIGHT



150 lb														
size	in	2	3	4	6	8	10	12	14	16	18	20	22	24
	mm	50	80	100	150	200	250	300	350	400	450	500	550	600
d	in	2	3	4	6	8	10	12	13	15	17	19	21	23
	mm	51	76	102	152	203	254	305	336	387	438	489	540	591
L	in	8	9.5	11.5	14	19.5	24.5	27.5	31	34	38.5	38.5	42	51
	mm	203	241	292	356	495	622	699	787	864	978	978	1067	1295
L1	in	8	9.5	11.5	14	19.5	24.5	27.5	31	34	38.5	38.5	42	51
	mm	203	241	292	356	495	622	699	787	864	978	978	1067	1295
L2	in	8.5	10	12	14.5	20	25	28	31.5	34.5	39	39	42.5	51.5
	mm	216	254	305	368	508	635	711	800	876	991	991	1080	1308
H1	in					8.1	8.9	10.4	11.7	12.8	13.6	14.6	15.7	17.1
	mm					205	225	265	296	325	345	372	400	435
H2	in	5.6	6.7	8.1	9.1	12.4	15.4	17.7	19.1	20.9	24.5	26.2	27.6	29.6
	mm	142	169	205	232	315	390	450	484	530	622	665	700	752
EST WT	lb	39.7	61.7	105.8	167.5	286.6	606.3	914.9	1256.6	1715.2	1785.7	1926.8	2259.7	2914.5
	kg	18	28	48	76	130	275	415	570	778	810	874	1025	1322

DIMENSIONS AND WEIGHT

300 lb														
size	in	2	3	4	6	8	10	12	14	16	18	20	22	24
	mm	50	80	100	150	200	250	300	350	400	450	500	550	600
d	in	2	3	4	6	8	10	12	13	15	17	19	21	23
	mm	51	76	102	152	203	254	305	336	387	438	489	540	591
L	in	10.5	12.5	14	17.5	21	24.5	28	33	34	38.5	40	44	53
	mm	267	318	356	445	533	622	711	838	864	978	1016	1118	1346
L1	in	10.5	12.5	14	17.5	21	24.5	28	33	34	38.5	40	44	53
	mm	267	318	356	445	533	622	711	838	864	978	1016	1118	1346
L2	in	11.1	13.1	14.6	18.1	21.6	25.1	28.6	33.6	34.6	39.1	40.7	44.9	53.9
	mm	283	333	371	460	549	638	727	854	879	994	1035	1140	1368
H1	in				7.1	8.1	9.6	11.2	12.6	13.8	15	16.1	19.1	19.5
	mm				180	205	245	285	320	350	380	410	485	495
H2	in	6.6	8.3	9.4	11.5	13.3	16	19.6	20.9	23.2	25.9	27.5	29.1	31.4
	mm	167	212	240	291	338	407	499	532	590	659	699	740	798
EST WT	lb	57.3	101.4	154.3	308.6	414.5	639.3	941.4	1291.9	1730.6	2006.2	3073.2	3747.8	4724.4
	kg	26	46	70	140	188	290	427	586	785	910	1394	1700	2143

600 lb														
size	in	2	3	4	6	8	10	12	14	16	18	20	22	24
	mm	50	80	100	150	200	250	300	350	400	450	500	550	600
d	in	2	3	4	6	8	10	12	13	15	17	19	21	23
	mm	51	76	102	152	203	254	305	336	387	438	489	540	591
L	in	11.5	14	17	22	26	31	33	35	39	43	47	51	55
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1295	1397
L1	in	11.5	14	17	22	26	31	33	35	39	43	47	51	55
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1295	1397
L2	in	11.6	14.1	17.1	22.1	26.1	31.1	33.1	35.1	39.1	43.1	47.2	51.4	55.4
	mm	295	359	435	562	664	791	841	892	994	1095	1200	1305	1407
H1	in				7.9	9.4	11	12	13	14.6	15.7	16.9	18.5	19.9
	mm				200	240	280	305	330	370	400	430	470	505
H2	in	8.6	10.4	11.9	12.8	15.4	18.1	20.9	22.5	24.8	28.7	29.8	33.5	34.6
	mm	219	263	302	324	390	460	531	572	630	728	757	850	880
EST WT	lb	77.2	101.4	231.5	463	738.5	1212.5	1433	1827.6	2667.5	3291.4	4303.4	5511.5	7321.4
	kg	35	46	105	210	335	550	650	829	1210	1493	1952	2500	3321

DIMENSIONS AND WEIGHT

900 lb														
size	in	2	3	4	6	8	10	12	14	16	18	20	22	24
	mm	50	80	100	150	200	250	300	350	400	450	500	550	600
d	in	2	3	4	6	8	10	12	12.5	14.5	16.5	18.5	20.5	22.5
	mm	51	76	102	152	203	254	305	324	375	425	473	524	572
L	in	14.5	15	18	24	29	33	38	40.5	44.5	48	52		61
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321		1549
L1	in	14.5	15	18	24	29	33	38	40.5	44.5	48	52		61
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321		1549
L2	in	14.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.9	48.5	52.5		61.7
	mm	371	384	460	613	740	841	968	1038	1140	1232	1334		1568
H1	in				8.7	10	11.8	12.8	13.6	15	16.5	17.9		21.5
	mm				220	255	300	325	345	380	420	455		545
H2	in	8	11.1	12.5	13.6	17.1	20	23.4	25.2	27.2	29.9	33.1		37.4
	mm	204	283	318	345	435	509	594	640	692	760	842		950
EST WT	lb	112.4	198.4	343.9	615.1	1040.6	1660.1	2072.3	2645.5	3728	4850.1	6541		10141.1
	kg	51	90	156	279	472	753	940	1200	1691	2200	2967		4600

1500 lb											
size	in	2	3	4	6	8	10	12	14	16	
	mm	50	80	100	150	200	250	300	350	400	
d	in	2	3	4	5.5	7.5	9.5	11.4	12.5	14.3	
	mm	51	76	102	146	194	241	289	317	362	
L	in	14.5	18.5	21.5	27.8	32.8	39	44.5	49.5	54.5	
	mm	368	470	546	705	832	991	1130	1257	1384	
L1	in	14.5	18.5	21.5	27.8	32.8	39	44.5	49.5	54.5	
	mm	368	470	546	705	832	991	1130	1257	1384	
L2	in	14.6	18.6	21.6	28	33.1	39.4	45.1	50.2	55.4	
	mm	371	473	549	711	841	1000	1146	1276	1407	
H1	in				8.7	10.4	12.8	14.6	15.7	17.2	
	mm				220	265	325	370	400	438	
H2	in	8	13	14.4	16.5	20.5	23.6	26.9	28.9	31.2	
	mm	204	329	365	420	521	599	682	735	793	
EST WT	lb	112.4	315.3	471.8	868.6	1452.8	2092.2	3571.4	4409.2	5562.2	
	kg	51	143	214	394	659	949	1620	2000	2523	