



Cleaning ball and cleaner





§ Technical data

Standard	DIN, 3A, SMS, RJT, ISO, IDF, DS, GB
Size	1" - 6" DN10-DN200 17.2-168.3
Material grade	304, 304L, 316, 316L
Roughness	1.Ra ≤ 1.6µm
	2.Ra ≤ 0.8µm
	3.Ra ≤ 0.4 (Polished)





Welded Fixed Cleaning Ball

FCB-3

DIN	Size		ΦB	H	Q
	ΦB	3A			
15	18	1/2"	12.7	54	40
20	22	3/4"	19.1	64	50
25	28	1"	25.4	72	63
32	34	1 1/4"	31.8	79	65
40	40	1 1/2"	38.1	85	76
50	52	2"	50.8	87	91
65	70	2 1/2"	63.5	102	100

Clamped Fixed Cleaning Ball

FCB-2

DIN	Size		ΦB	H	Q
	ΦB	3A			
15	50.5	1/2"	50.5	70	53
20	50.5	3/4"	50.5	77	53
25	50.5	1"	50.5	80	63
32	50.5	1 1/4"	50.5	93	76
40	50.5	1 1/2"	50.5	93	76
50	64.0	2"	64.0	108	91
65	77.5	2 1/2"	77.5	115	100

Male Fixed Cleaning Ball

FCB-1

DIN	Size		B	H	Q
	B	3A			
15	G1/2"	1/2"	G1/2"	70	40
20	G3/4"	3/4"	G3/4"	77	50
25	G1"	1"	G1"	80	63
32	G1 1/4"	1 1/4"	G1 1/4"	93	65
40	G1 1/2"	1 1/2"	G1 1/2"	93	76
50	G2"	2"	G2"	108	91

Bolted Fixed Cleaning Ball

FCB-9

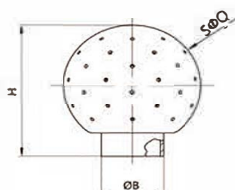
DIN	Size		ΦB	H	Q
	ΦB	3A			
15	18	1/2"	12.7	54	40
20	22	3/4"	19.1	64	50
25	28	1"	25.4	72	63
32	34	1 1/4"	31.8	79	65
40	40	1 1/2"	38.1	85	76
50	52	2"	50.8	87	91
65	70	2 1/2"	63.5	102	100





Welded Fixed Cleaning Ball

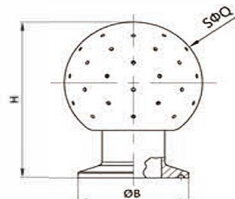
FCB1-3



DIN	Size			H	Q
	ΦB	3A	ΦB		
15	18	1/2"	12.7	45	30
20	22	3/4"	19.1	55	40
25	28	1"	25.4	73	53
32	34	1 1/4"	31.8	87	63
40	40	1 1/2"	38.1	91	65
50	52	2"	50.8	100	76
65	70	2 1/2"	63.5	125	100

Clamped Fixed Cleaning Ball

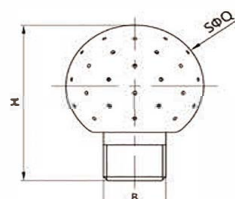
FCB1-2



DIN	Size			H	Q
	ΦB	3A	ΦB		
15	50.5	1/2"	50.5	84	63
20	50.5	3/4"	50.5	84	63
25	50.5	1"	50.5	84	63
32	50.5	1 1/4"	50.5	84	63
40	50.5	1 1/2"	50.5	84	63
50	64.0	2"	64.0	97	76
65	91.0	2 1/2"	91.0	127	100

Male Fixed Cleaning Ball

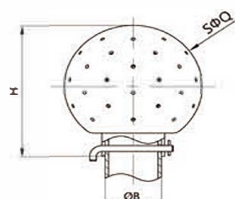
FCB1-1



DIN	Size			H	Q
	B	3A	B		
15	G1/2"	1/2"	G1/2"	53	38
20	G3/4"	3/4"	G3/4"	73	53
25	G1"	1"	G1"	87	63
32	G1 1/4"	1 1/4"	G1 1/4"	90	65
40	G1 1/2"	1 1/2"	G1 1/2"	100	76
50	G2"	2"	G2"	115	91

Bolted Fixed Cleaning Ball

FCB1-9



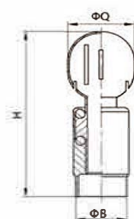
DIN	Size			H	Q
	B	3A	ΦB		
15	18	1/2"	12.7	55	32
20	22	3/4"	19.1	68	40
25	28	1"	25.4	86	53
32	34	1 1/4"	31.8	100	63
40	40	1 1/2"	38.1	105	65
50	52	2"	50.8	115	76
65	70	2 1/2"	63.5	140	100





Welded Rotary Cleaning Ball

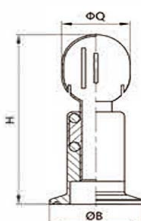
RCB-3



DIN	ΦB	Size 3A	ΦB	H	Q
15	18	1/2"	12.7	110	40
20	22	3/4"	19.1	137	53
25	28	1"	25.4	143	53
32	34	1 1/4"	31.8	145	53
40	40	1 1/2"	38.1	145	53
50	52	2"	50.8	180	76
65	70	2 1/2"	63.5	200	76

Clamped Rotary Cleaning Ball

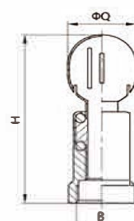
RCB-2



DIN	ΦB	Size 3A	ΦB	H	Q
15	50.5	1/2"	50.5	120	40
20	50.5	3/4"	50.5	138	53
25	50.5	1"	50.5	138	53
32	50.5	1 1/4"	50.5	138	53
40	50.5	1 1/2"	50.5	138	53
50	64.0	2"	64.0	168	76
65	91.0	2 1/2"	91.0	190	76

Male Rotary Cleaning Ball

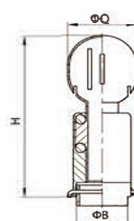
RCB-1



DIN	ΦB	Size 3A	ΦB	H	Q
15	G1/2"	1/2"	G1/2"	110	40
20	G3/4"	3/4"	G3/4"	138	53
25	G1"	1"	G1"	140	53
32	G1 1/4"	1 1/4"	G1 1/4"	160	53
40	G1 1/2"	1 1/2"	G1 1/2"	170	53
50	G2"	2"	G2"	192	76
50	G2 1/2"	2 1/2"	G2 1/2"	220	76

Bolted Rotary Cleaning Ball

RCB-9



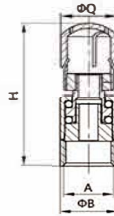
DIN	ΦB	Size 3A	ΦB	H	Q
15	18	1/2"	12.7	110	40
20	22	3/4"	19.1	137	53
25	28	1"	25.4	137	53
32	34	1 1/4"	31.8	137	53
40	40	1 1/2"	38.1	150	53
50	52	2"	50.8	168	76
65	70	2 1/2"	63.5	190	76





Male Rotary Cleaning Ball

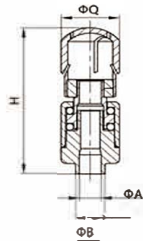
RCB1-1



Size	A	ΦB	ΦQ	H
8	1/4"	16.8	16.8	49.0
10	3/8"	24.0	24.0	69.0
15	1/2"	24.0	24.0	71.5
20	3/4"	39.5	44.0	110.5

Welded Rotary Cleaning Ball

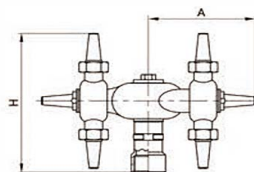
RCB1-3



Size	A	ΦB	ΦQ	H
10	9/10	12/13	24.0	69.0
15	15/16	18/19	24.0	71.5
20	19/20	22/23	24.0	71.5

Male Rotary Cleaning Ball

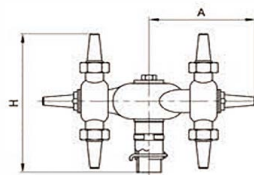
RCB2-1



Size	A	H	Pressure (bar)	Cleaning radius (m)	Fluxation (m ³ /h)
1"	118	165	1.5~2.0	2.0~3.0	23
1 1/2"	142	189	1.8~2.5	2.5~3.0	38
2"	145	191	2.5~3.0	3.5~4.0	60

Bolted Rotary Cleaning Ball

RCB2-9



Size	A	H	Pressure (bar)	Cleaning radius (m)	Fluxation (m ³ /h)
1"	118	175	1.5~2.0	2.0~3.0	23
1 1/2"	142	200	1.8~2.5	2.5~3.0	38
2"	145	205	2.5~3.0	3.5~4.0	60

