

## BALL VALVES MATERIALS

### ASTM MATERIALS

PRESSURE RANGE	150~2500 ANSI	150~2500 ANSI	150~2500 ANSI	150~2500 ANSI	150~2500 ANSI	150~2500 ANSI	150~2500 ANSI
TEMPERATURE	32°F~400°F	-50°F~400°F	-150°F~400°F	32°F~400°F	-50°F~400°F	-150°F~400°F	-60°F~400°F
BODY SHELL	A216-WCB	A352-LCB	A352-LC3	A105	A350-LF1	A350-LF3	A351-CF8
ADAPTOR	A216-WCB	A352-LCB	A352-LC3	A105	A350-LF1	A350-LF3	A351-CF8
BALL	A105	A350-LF1	A350-LF3	A105	A350-LF1	A350-LF3	A182-F304
Plating minimum	0.0011 in.	0.0011 in.	0.0011 in.	0.0011 in.	0.0011 in.	0.0011 in.	
Plating maximum	0.0017 in.	0.0017 in.	0.0017 in.	0.0017 in.	0.0017 in.	0.0017 in.	
STEM	A182-F6	A182-F6	A182-F6	A182-F6	A182-F6	A182-F6	A182-F316
SEAT	PTFE/NYLON	PTFE	KEL-F	PTFE/NYLON	PTFE	KEL-F	PTFE
BODY SEAL	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316
PACKING	O RING/BUNA-N	O RING/BUNA-N	GRAPHITE	O RING/BUNA-N	O RING/BUNA-N	GRAPHITE	O RING/BUNA-N
BODY STUD	A193-B7	A320-L7	A320-L43	A193-B7	A320-L7	A320-L43	A193-B8
BODY STUD NUT	A194-2H	A194-Gr.4	A194-Gr.7	A194-2H	A194-Gr.4	A194-Gr.7	A194-Gr.8

### DIN MATERIALS

PRESSURE RANGE	PN6~PN350	PN6~PN350	PN6~PN350	PN6~PN350	PN6~PN350	PN6~PN350	PN6~PN350
TEMPERATURE	0°C~200°C	-45°C~200°C	-100°C~150°C	0°C~200°C	-45°C~200°C	-100°C~150°C	-50°C~200°C
BODY SHELL	GS-C-25	GS-CK 24	GS-10Ni14	C-22-8	CK-35	10Ni14	G-X10CrNi18.8
ADAPTOR	GS-C-25	GS-CK 24	GS-10Ni14	C-22-8	CK-35	10Ni14	G-X10CrNi18.8
BALL	C-22-8	CK-35	10Ni14	C-22-8	CK-35	10Ni14	X10CrNi18.8
Plating minimum	0.030mm	0.030mm	0.030mm	0.030mm	0.030mm	0.030mm	
Plating maximum	0.045mm	0.045mm	0.045mm	0.045mm	0.045mm	0.045mm	
STEM	X 10 Cr 13	X 10 Cr 13	X 10 Cr 13	X 10 Cr 13	X 10 Cr 13	X 10 Cr 13	X 22 Cr Ni 17
SEAT	PTFE/NYLON	PTFE	KEL-F	PTFE/NYLON	PTFE	KEL-F	PTFE
BODY SEAL	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316	SPIROMETALLIC ANSI-316
PACKING	O RING/BUNA-N	O RING/BUNA-N	GRAPHITE	O RING/BUNA-N	O RING/BUNA-N	GRAPHITE	O RING/BUNA-N
BODY STUD	Gr.8.8	42CrMo4	24CrMoV55	Gr.8.8	42CrMo4	24CrMoV55	X5CrNiMo18.10
BODY STUD NUT	Gr.8	24CrMo5	24CrMo5	Gr.8	24CrMo5	24CrMo5	X5CrNi18.9