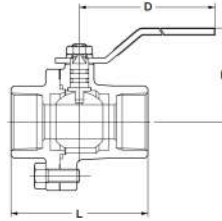


TYPE 400 BRASS BALL VALVE

Bolted body and cap, Blowout-proof Stem, Double O-ring stem seals, Threaded ends to BS21

W.O.G. non-shock 2.76 MPa (400 psi), W.O.G. 150°C 0.69 MPa (100 psi)



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

Fig. TM

• Threaded end to BS21

Dimensions

Nominal Size	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
	mm	10	15	20	25	32	40	50	65	80	
L Threaded end to end		56	60	68	80	86	101	117	136	160	
H Height		45	45	49	55	60	65	75	91	105	
D Length of Handle		60	80	80	110	110	110	140	200	300	

TYPE 600 BRASS BALL VALVE

One-piece body, Blowout-proof Stem, Threaded ends to BS21 or NPT

W.O.G. non-shock 4.14 MPa (600 psi), W.O.G. 150°C 1.03 MPa (150 psi)



Fig. TK

• Threaded end to BS21

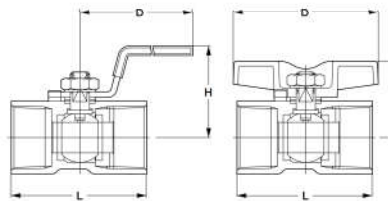


Fig. TKT

• Threaded end to BS21

Fig. AKTK

• Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	Reinforced PTFE
Grand packing	Reinforced PTFE

Dimensions

Nominal Size	inch	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	6	8	10	15	20	25	32	40	50	
L Threaded end to end		32	39	44	56.5	59	71	78	83	100	
H Height			31	36	41	44	48	54	65	72	
H1 TKT: Height		23	23	27	31	34	42	48	53	60	
D Length of Handle			60	70	85	85	100	100	125	125	
D1 TKT: Length of Handle		35	35	40	60	60	76	76	100	100	

*Size 1/8 TKT only

TYPE 600 BRASS BALL VALVE

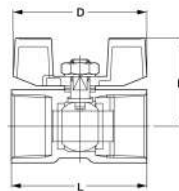
One-piece body, Blowout-proof Stem, with Wing handle Threaded ends to BS21 or NPT

W.O.G. non-shock 4.14 MPa (600 psi), W.O.G. 150°C 1.03 MPa (150 psi)



Fig. TKW

• Threaded end to BS21



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	Reinforced PTFE
Grand packing	Reinforced PTFE

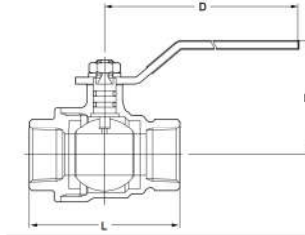
Dimensions

Nominal Size	inch	1/8	1/4	3/8	1/2	3/4	mm
	mm	6	8	10	15	20	
L Threaded end to end		32	39	44	56.5	59	
H Height		25	25	29	35	39	
D Length of Handle		35	35	40	55	55	

TYPE 400 BRASS BALL VALVE, FULL PORT

Screwed body cap, Blowout-proof Stem, Double O-ring stem seals
Threaded ends to BS21

W.O.G. non-shock 2.76 MPa (400 psi), W.O.G. 150°C 0.69 MPa (100 psi)



Materials

Parts	Material
Body	Brass/Bronze*
Body cap	Brass/Bronze*
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

*Size 2 only

Fig. TF

• Threaded end to BS21

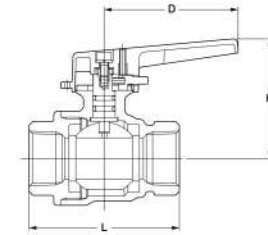
Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	15	20	25	32	40	50	
L Threaded end to end		62	73	85	98	108	124	
H Height		48	54	58	64	75	84	
D Length of Handle		80	110	110	110	140	150	

TYPE 400 BRASS BALL VALVE, FULL PORT

Locking device, Screwed body cap, Blowout-proof Stem, Double O-ring stem seals
Threaded ends to BS21 or NPT

W.O.G. non-shock 2.76 MPa (400 psi), W.O.G. 150°C 0.69 MPa (100 psi)



Materials

Parts	Material
Body	Brass/Bronze*
Body cap	Brass/Bronze*
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

*Size 2 only

Fig. TFJ

• Threaded end to BS21

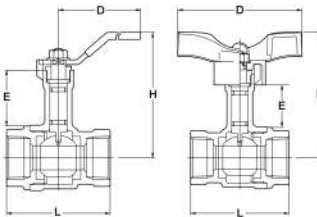
Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	15	20	25	32	40	50	
L Threaded end to end		62	73	85	98	108	124	
H Height		53	58	67	72	90	98.5	
D Length of Handle		65	65	90	90	110	110	

TYPE 400 BRASS BALL VALVE

Screwed body cap, Blowout-proof Stem, Double O-ring stem seals
Threaded end to BS21 or NPT, or solder joint end

TL, CTL W.O.G. non-shock 2.76 MPa (400 psi), W.O.G. 150°C 0.69 MPa (100 psi),
TLT W.O.G. non-shock 2.76 MPa (400 psi), W.O.G. 80°C 1.96 MPa (286 psi)



Materials

Parts	Material
Body	Bronze
Body cap	Bronze
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

Caution Solder joint end valves should not be used in service where the temperature of line fluid is higher than the softening point of solder.

Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	15	20	25	32	40	50	
L Threaded end to end		56	65	78	86	96	109	
H Height		75	79	83	98	102	109	
H1 Height: TLT		79	83	90	105	109	124	
D Length of Handle: TL & CTL		80	80	110	110	110	140	
D Length of Handle: TLT		82	82	94	94	94	120	

Fig. TL

• Threaded end to BS21

Fig. CTL

• Solder joint end to ASME B16.18

Fig. TLT

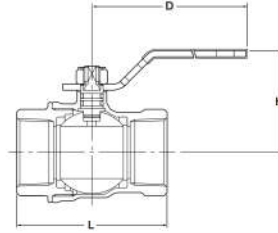
• Threaded end to ASME B1.20.1

TYPE 600 BRASS BALL VALVE, FULL PORT

Bolted body and cap, Blowout-proof Stem, Double O-ring stem seals, Threaded ends to ASME B1.20.1

W.O.G. non-shock 4.14 MPa (600 psi)*, W.O.G. 150°C 1.03 MPa (150 psi)

*Size 4 : W.O.G. non-shock 2.76Mpa (400psi), W.O.G. 150°C 0.69Mpa (100psi)



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

Fig. AKSZA

• Threaded end to ASME B1. 20. 1



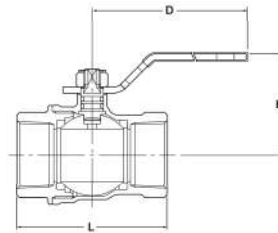
Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	mm	8	10	15	20	25	32	40	50	65	80	100
L Threaded end to end		42	42	53	60	72	84	92	110	138	167	193
H Height		37	37	40	43	50	55	65	72	100	112	131
D Length of Handle		70	70	80	80	110	110	150	150	200	300	300

TYPE 600 BRASS BALL VALVE, FULL PORT

Bolted body and cap, Blowout-proof Stem, Double O-ring stem seals, Threaded ends to BS21

W.O.G. non-shock 4.14 MPa (600 psi), W.O.G. 150°C 1.03 MPa (150 psi)



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

Fig. SZA

• Threaded end to BS21

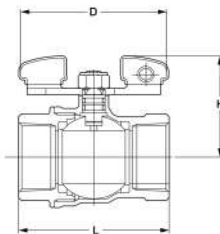
Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	mm	8	10	15	20	25	32	40	50
L Threaded end to end		42	42	52	60	72	84	92	110
H Height		36	36	40	43	50	54	64	72
D Length of Handle		70	70	80	80	110	110	150	150

TYPE 600 BRASS BALL VALVE, FULL PORT

Bolted body and cap, Blowout-proof Stem, Double O-ring stem seals, Threaded ends to ASME B1.20.1

W.O.G. non-shock 4.14 MPa (600 psi), W.O.G. 150°C 1.03 MPa (150 psi)



Materials

Parts	Material
Body	Brass
Body cap	Brass
Stem	K-Metal
Ball	Brass (chrome plated)
Ball seat	PTFE
O-ring	FKM

Fig. AKSZAW

• Threaded end to ASME B1. 20. 1



Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	mm	8	10	15	20	25	32	40	50
L Threaded end to end		42	42	53	60	72	84	92	110
H Height		34	34	39	43	52	58	73	81
D Length of Handle		55	55	70	70	100	100	130	130