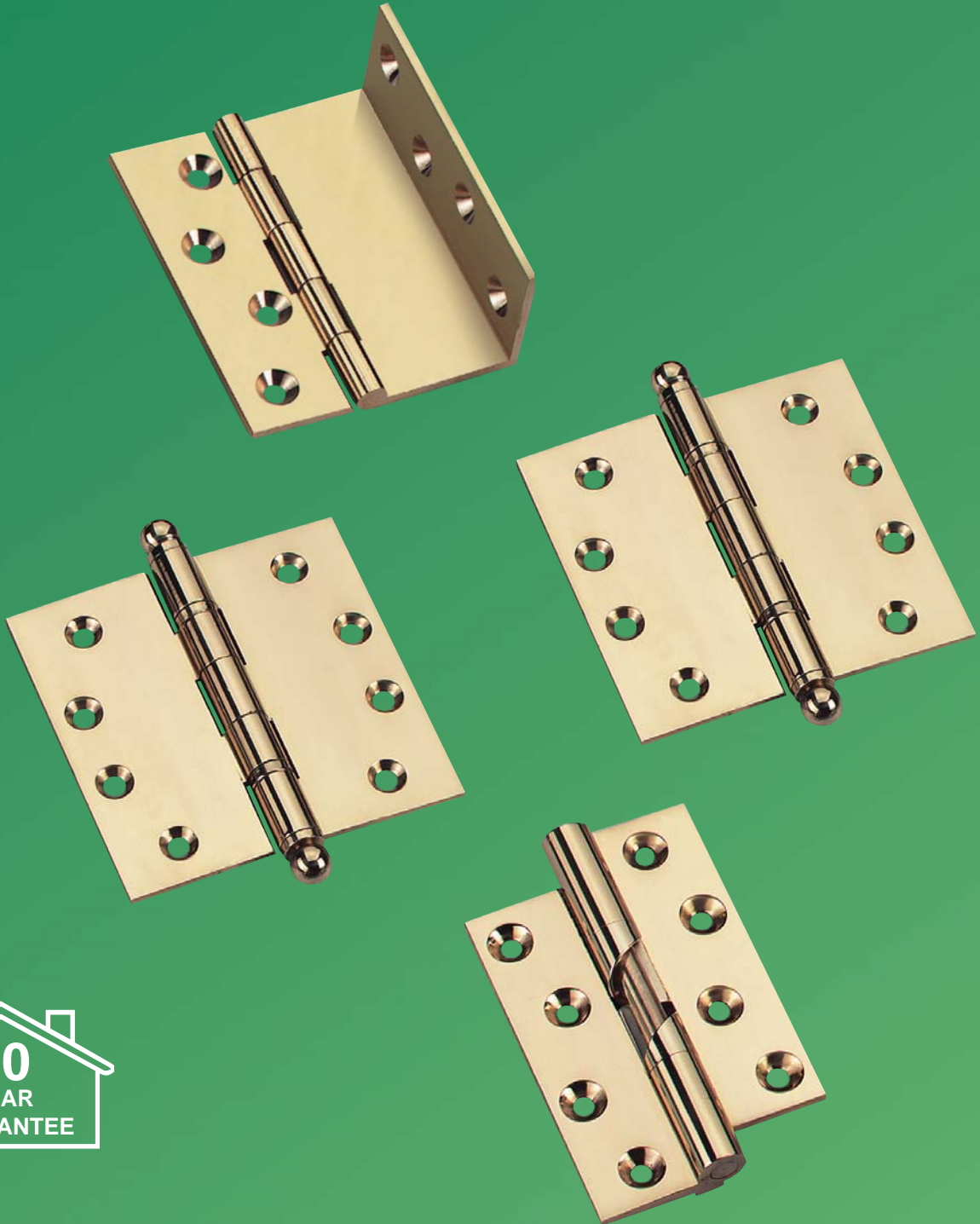


Brass & Aluminium Hinges



- Cranked
- Lift Off/Rise & Fall
- Finial

Technical Details

Material:	Leaded Brass CZ 130M, Aluminium HE9
Pin:	Brass CZ 121 Steel 220 M07 Stainless Steel 303 S21
Washers:	Bronze PB 102 Hard
Bearings:	Case Steel CR 4 Case Brass CZ 106 Track Steel CR 4 RC60-63 Balls Steel Grade 100 Chrome
Balls/Finials:	Brass CZ 121
Cams:	Bronze CZ 114M Steel 220 M07
Application:	Suitable for internal application
Corrosion Resistance:	Corrosion resistance from external damp conditions
Grade 1:	5,000 Cycles @ 10kg
Grade 2:	5,000 Cycles @ 20kg
Grade 3:	25,000 Cycles @ 20kg
Grade 4:	25,000 Cycles @ 40kg
Grade 5:	200,000 Cycles @ 40kg
Grade 6:	500,000 Cycles @ 40kg
Grade 7:	500,000 Cycles @ 60kg
Grade 8:	200,000 Cycles @ 80kg
Grade 9:	200,000 Cycles @ 120kg

Finishes

The available finishes for each WP hinge are shown in this brochure by code as follows:

Brass Hinges

SC	Self Colour
PB	Polished & Lacquered
SCP	Satin Chrome Plate
PCP	Polished Chrome Plate

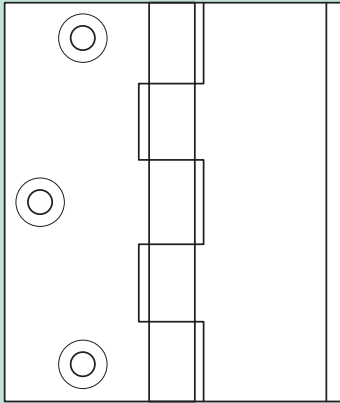
Aluminium Hinges

PA	Polished & Anodised
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These precision hinges are supplied non-lubricated, it is recommended that they are lubricated on installation and then at regular intervals thereafter.

CRANKED

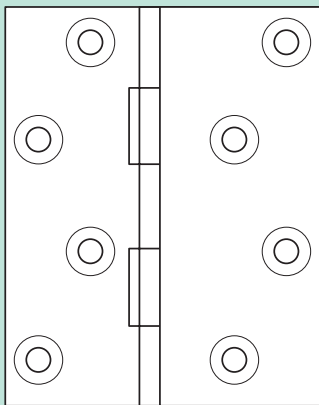
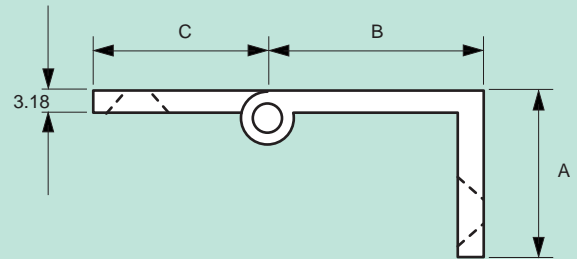
H I N G E S



Single Cranked Brass Hinges
With Brass Pin

PRODUCT CODE	DIMENSION			KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
	A	B	C						
224	19	22	17	6	3	3.18	10	-	6x3/4
109	19	22	17	6	3	3.18	10	-	6x3/4
161	19	25	21	6	3	3.18	10	-	6x3/4
269	19	29	25	6	3	3.18	10	-	6x3/4
248	41	46	37	10	5	3.18	5	4	12x1 1/4

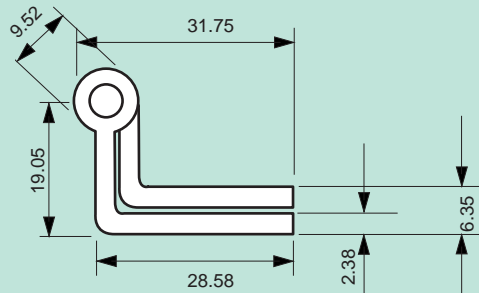
Finishes: SC, PB, PCP, SCP



Stormproof Brass Hinges
With Brass Pin

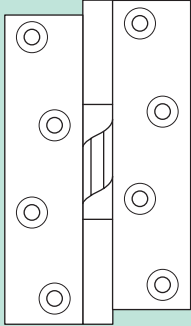
PRODUCT CODE	LENGTH		BOX QUANTITY PAIRS	REC SCREW SIZE
	INCHES	MM		
246	2 1/2	64	10	6x3/4
459	3	76	10	8x1
594	4	102	5	8x1

Finishes: SC, PB, PCP, SCP



RISE & FALL LIFT/OFF

H I N G E S



Rise & Fall Brass Hinges

276 Rising Cam Hinge L.H IS05
277 Rising Cam Hinge R.H IS06
 With Brass Pin and Bronze Cams

278 Falling Cam Hinge L.H IS05
279 Falling Cam Hinge R.H IS06

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x2 ³ / ₄	75x70	14	8	5	1	7	10x1 ¹ / ₄
4x2 ³ / ₄	102x70	14	8	5	1	7	10x1 ¹ / ₄

Finishes: SC, PB, PCP, SCP

Rise & Fall Aluminium Hinges

1022 Rising Hinge L.H IS05
1023 Rising Hinge R.H IS06
 With Brass Pin and Bronze Cams

1024 Falling Hinge L.H IS05
1025 Falling Hinge R.H IS06

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
4x2 ³ / ₄	102x70	14	8	5	1	5	10x1 ¹ / ₄

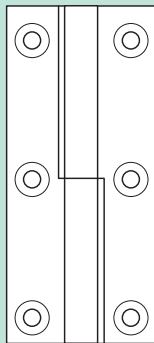
Finishes: PA

- Rising hinge will **rise** during **opening**.
- Falling hinge will **fall** during **opening**.
- Left hand hinge is required if door **closes** in **clockwise** direction.
- Right hand hinge is required if door **closes** in **anti-clockwise** direction.

eg. If door closes clockwise and rises during opening then a left hand rising hinge is required.

Note. 13mm rise or fall through 180°

Lift off Brass Hinges



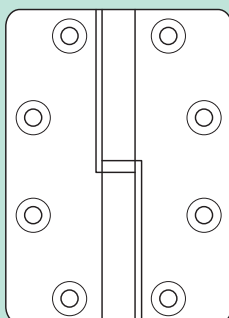
229 L.H IS05
230 R.H IS06
 With Brass Pin

LENGTH X WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
2x1 ¹ / ₈	51x29	5	3	2	10	-	4X ⁵ / ₈
2 ¹ / ₂ x1 ³ / ₈	64x35	5	3	2	10	-	6X ³ / ₄
3x1 ⁵ / ₈	76x41	6	4	2	10	1	8x1
3x2	76x51	8	5	3	10	1	8x1

Finishes: SC, PB, PCP, SCP

Available undrilled to order in self colour only* - Details on request

*Add UD after product code



231 Journal Support L.H IS05
232 Journal Support R.H IS06

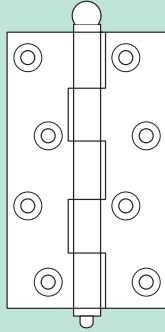
With Stainless Steel Pin and Steel Needle Roller Bearings. Radius corners 10mm

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
4x3 ³ / ₈	100x85	13	6	3	5	7	10x1 ¹ / ₄

Finishes: SC, PB, PCP, SCP

FINIAL

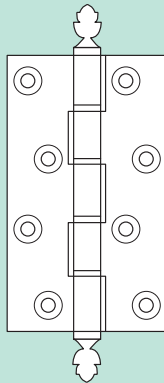
H I N G E S



234 Loose Pin Hinge
Removable Brass Pin with Ball Knob

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x1 ⁵ / ₈	76x41	6	3	2.5	10	2	8x1
3x2	76x51	8	3	3	10	4	8x1
4x2 ³ / ₈	102x60	9	5	3	10	4	10x1 ¹ / ₄
4x2 ⁵ / ₈	102x67	10	5	3	5	5	10x1 ¹ / ₄
4x3	102x76	11	5	4	5	6	10x1 ¹ / ₄

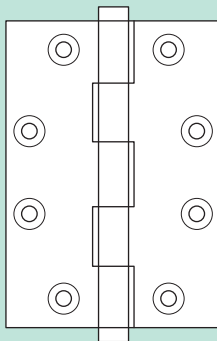
Finishes: SC, PB, PCP, SCP



400 Acorn Finial Hinge Double Phosphor Bronzed Washered
With Fixed Brass Pin

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x2	76x51	8	3	3	5	5	8x1
4x2 ⁵ / ₈	102x67	9	5	3	5	6	10x1 ¹ / ₄
4x3	102x76	11	6	4	5	7	10x1 ¹ / ₄
4x4	102x102	11	6	5	1	-	10x1 ¹ / ₄

Finishes: PB



430 Button Tipped Loose Pin Hinges Unwashed
431 Button Tipped Loose Pin Hinges with 2 Phosphor Bronze Washers
432 Button Tipped Loose Pin Hinges With 2 Thrust Bearings
All with Loose Phosphor Bronze Pin and Button Tips Both Ends

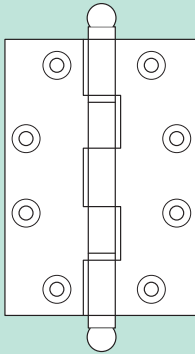
LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x3	76x76	13	6	2	1	5	10x1 ¹ / ₄
3 ¹ / ₂ x3 ¹ / ₂	89x89	13	6	3	1	5	10x1 ¹ / ₄
4x4	102x102	13	6	3	1	7	10x1 ¹ / ₄

Finishes: PB

Template drilled to ANSI configuration 90 degree CSK and packed with screws

FINIAL

H I N G E S

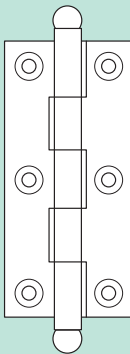


450 Ball Knobbed Loose Pin Hinges Unwashed
451 Ball Knobbed Loose Pin Hinges with 2 Phosphor Bronze Washers
452 Ball Knobbed Loose Pin Hinges With 2 Thrust Bearings
 All with Loose Phosphor Bronze Pin and Ball Knobs Both Ends

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x3	76x76	13	6	2	1	5	10x11/4
3 1/2x3 1/2	89x89	13	6	3	1	5	10x11/4
4x4	102x102	13	6	3	1	7	10x11/4

Finishes: PB

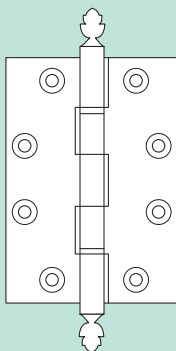
Template drilled to ANSI configuration 90 degree CSK and packed with screws



1900 Ball Knobbed Hinge
 With Brass Pin and Ball Knobs Both Ends

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
2x1 1/8	51x29	5	2	2	10	-	4x5/8
2 1/2x1 3/8	64x35	5	3	2	10	-	6x3/4
3x1 5/8	76x41	6	3	2.5	10	2	8x1/2

Finishes: SC, PB, PCP, SCP



470 Acorn Finial Loose Pin Hinges Washered
471 Acorn Finial Loose Pin Hinges With 2 Phosphor Bronze Washers
472 Acorn Finial Loose Pin Hinges With 2 Thrust Bearings
 All with Loose Phosphor Bronze Pin and Ball Knobs Both Ends

LENGTH x WIDTH		KNUCKLE DIA MM	PIN DIA MM	LEAF THICKNESS MM	BOX QUANTITY PAIRS	GRADE	REC SCREW SIZE
INCHES	MM						
3x3	76x76	13	6	2	1	5	10x11/4
3 1/2x3 1/2	89x89	13	6	3	1	5	10x11/4
4x4	102x102	13	6	3	1	7	10x11/4

Finishes: PB

Template drilled to ANSI configuration 90 degree CSK and packed with screws