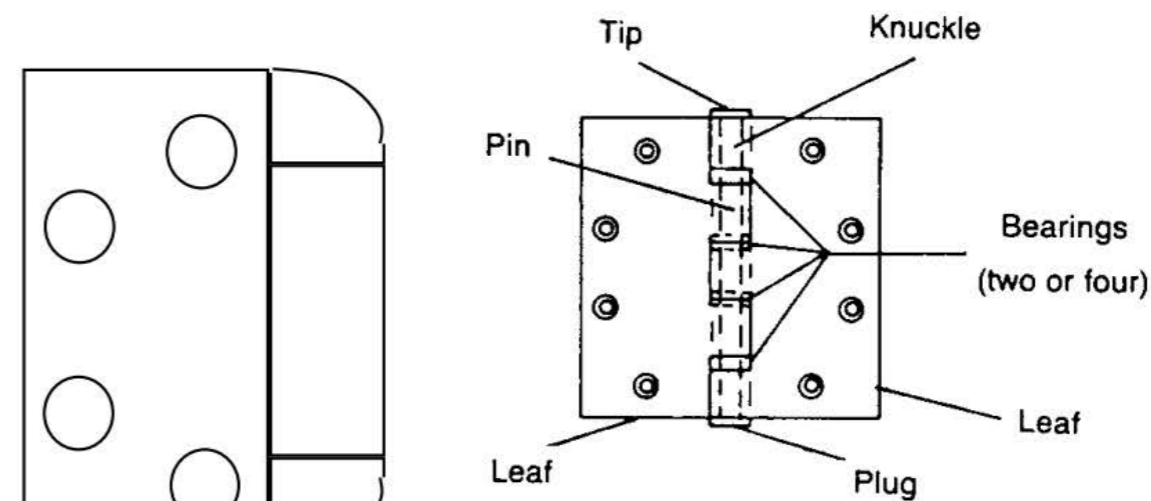


EUORPEAN DOOR HINGE

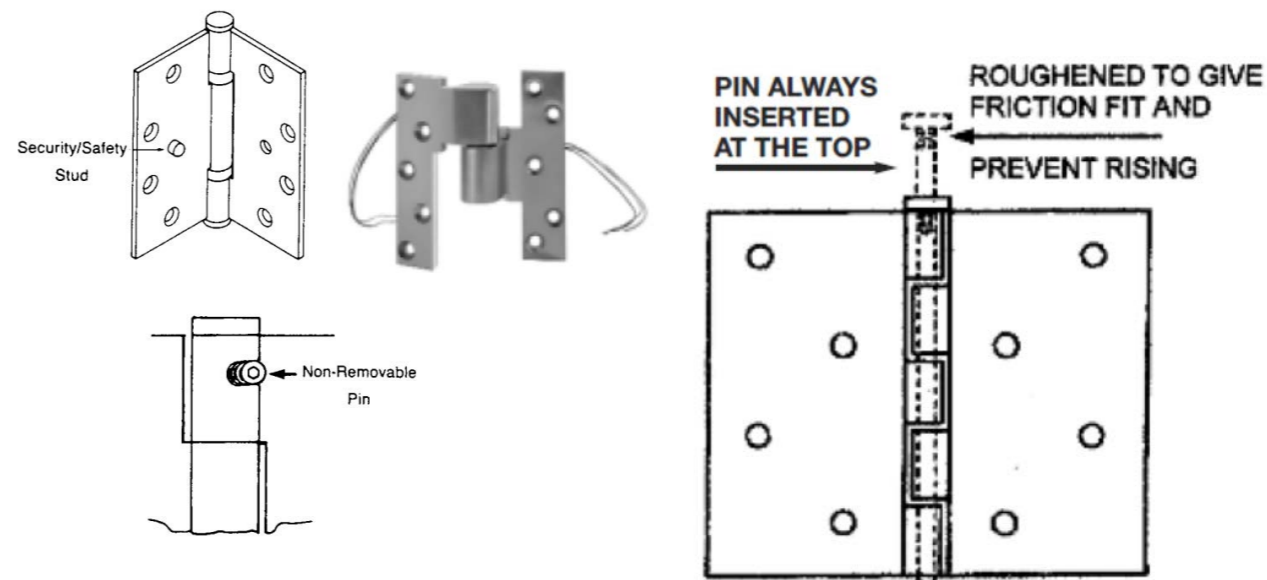
欧标普通铰链



HINGE NOMENCLATURE

Loose Pin

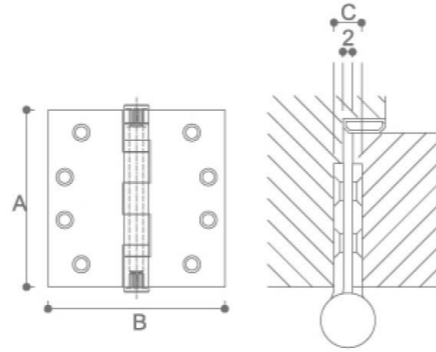
The pin joining the two flaps is always inserted into the top of the hinge and can be pulled out to disconnect the flaps if required. This allows the door leaf to be removed for maintenance, replacement, or moving large objects through the doorway, without the need to unscrew the hinge.





Euro Door hinge

- Material: 304stainless steel
- Feature: With grease, no need maintenance
- Door Weight: Standard≤80k; heavy type≤120kg
- Bearing: With fixed pin ,knuckle with 2BB/4BB
- Application: For wooden or metal doors
- Opening Angle: ≤180°
- Mounting: Screw fixed,Suitable for DIN left hand and DIN right hand
- Agency certification: In compliance with EN1935 test, 200,000 times, passed 1.5h fire modality test according to the requirement of China GB-12955-2008



Standard door hinge (2BB) Product model dimension(A*B*C)		
Finish	4**3**3mm	4**3.5**3mm
SS	5K2BB-4*3*3-SS	5K2BB-4*3.5*3-SS
PSS	5K2BB-4*3*3-PSS	5K2BB-4*3.5*3-PSS
SB	5K2BB-4*3*3-SB	5K2BB-4*3.5*3-SB
PB	5K2BB-4*3*3-PB	5K2BB-4*3.5*3-PB
AB	5K2BB-4*3*3-AB	5K2BB-4*3.5*3-AB
AC	5K2BB-4*3*3-AC	5K2BB-4*3.5*3-AC
RG	5K2BB-4*3*3-RG	5K2BB-4*3.5*3-RG

Standard door hinge (2BB) Product model dimension(A*B*C)			
Finish	4**4**3mm	4.5**4**3.4mm	4.5**4.5**3.4mm
SS	5K2BB-4*4*3-SS	5K2BB-4.5*4*3.4-SS	5K2BB-4.5*4.5*3.4-SS
PSS	5K2BB-4*4*3-PSS	5K2BB-4.5*4*3.4-PSS	5K2BB-4.5*4.5*3.4-PSS
SB	5K2BB-4*4*3-SB	5K2BB-4.5*4*3.4-SB	5K2BB-4.5*4.5*3.4-SB
PB	5K2BB-4*4*3-PB	5K2BB-4.5*4*3.4-PB	5K2BB-4.5*4.5*3.4-PB
AB	5K2BB-4*4*3-AB	5K2BB-4.5*4*3.4-AB	5K2BB-4.5*4.5*3.4-AB
AC	5K2BB-4*4*3-AC	5K2BB-4.5*4*3.4-AC	5K2BB-4.5*4.5*3.4-AC
RG	5K2BB-4*4*3-RG	5K2BB-4.5*4*3.4-RG	5K2BB-4.5*4.5*3.4-RG

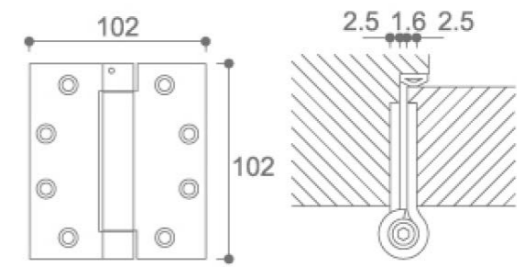
Heavy duty door hinge (4BB) Product model dimension(A*B*C)		
Finish	4.5**4.5**3.4mm	5**4.5**3.4mm
SS	5K4BB-4.5*4.5*3.4-SS	5K4BB-5*4.5*3.4-SS
PSS	5K4BB-4.5*4.5*3.4-PSS	5K4BB-5*4.5*3.4-PSS
SB	5K4BB-4.5*4.5*3.4-SB	5K4BB-5*4.5*3.4-SB
PB	5K4BB-4.5*4.5*3.4-PB	5K4BB-5*4.5*3.4-PB
AB	5K4BB-4.5*4.5*3.4-AB	5K4BB-5*4.5*3.4-AB
AC	5K4BB-4.5*4.5*3.4-AC	5K4BB-5*4.5*3.4-AC
RG	5K4BB-4.5*4.5*3.4-RG	5K4BB-5*4.5*3.4-RG

3KSP1-4x4x2.5



3KSP1-4x4x2.5
Spring Hinge

- Material: 304stainless steel
- Door Weight: ≤60kg
- Opening Angel: ≤180°
- Dimension: (102×102)4"×4"×2.5mm
- Application: For wooden or metal doors
- Mounting: Screw fixed,Suitable for DIN left hand and DIN right hand
- Feature:Spring force can be adjusted and fixed and Maintenance-free friction bearing technology

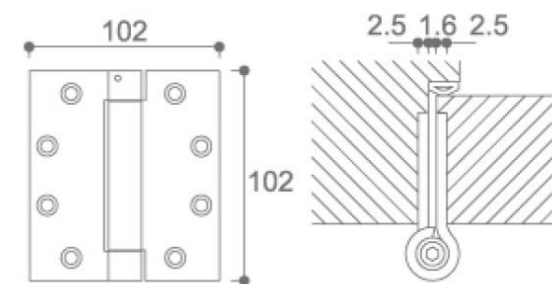


3KSP1-4.5x4x3.4

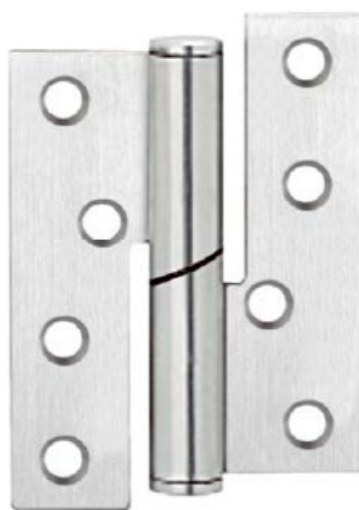


3KSP1-4.5x4x3.4
Spring Hinge

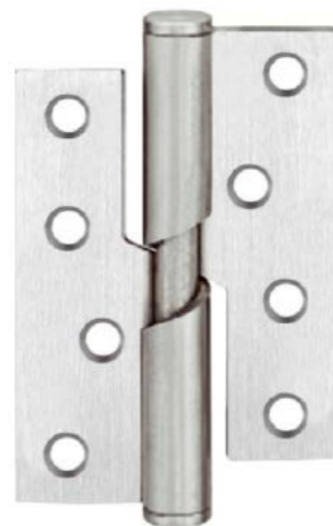
- Material: 304stainless steel
- Door Weight: ≤60kg
- Opening Angel: ≤180°
- Dimension: (114×102)4.5"×4"×3.4mm
- Application: For wooden or metal doors
- Mounting: Screw fixed,Suitable for DIN left hand and DIN right hand
- Feature:Spring force can be adjusted and fixed and Maintenance-free friction bearing technology



RSH-2K1PB LH/RH-4x4x3

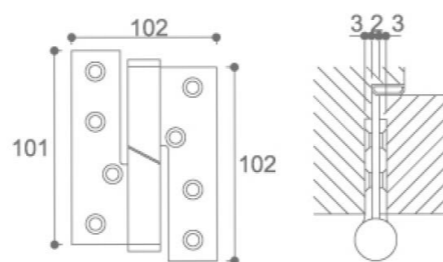


RSH-2K1PB LH/RH-5x4x3



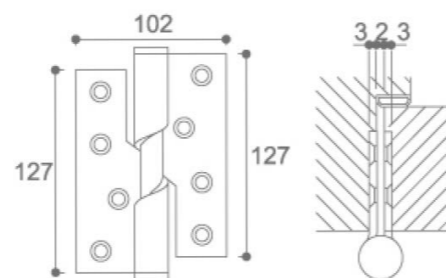
RSH-2K1PB Rising/Falling Hinge

- Material: 304stainless steel
- Dimension: (102×102)4"×4"×3mm
- Feature: With fixed pin, auto closing door function
- Door Weight: ≤60kg
- Application: For wooden or metal doors
- Mounting: Screw fixed, RH anti-clockwise closing or LH clockwise closing



RSH-2K1PB Rising/Falling Hinge

- Material: 304stainless steel
- Dimension: (127×102)5"×4"×3mm
- Feature: With fixed pin, auto closing door function
- Door Weight: ≤60kg
- Application: For wooden or metal doors
- Mounting: Screw fixed, RH anti-clockwise closing or LH clockwise closing



FLH-2K1PB-4x4x3

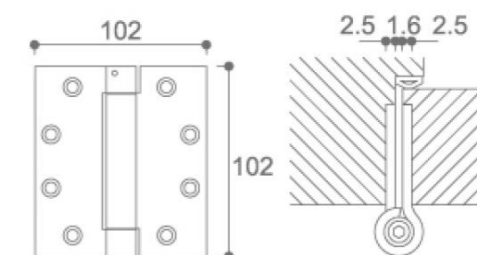


FLH-2K1PB-5x4x3



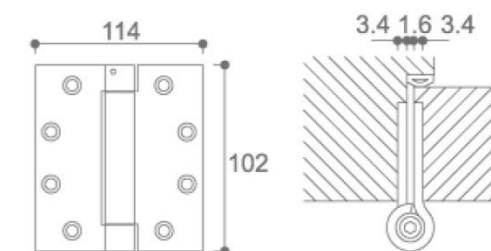
FLH-2K1PB Flag Hinge

- Material: 304stainless steel
- Door Weight: ≤60kg
- Opening Angel: ≤180°
- Dimension: (102×102)4"×4"×3mm
- Application: For Wood and metal doors
- Mounting: Screw fixed, Suitable for DIN left hand and DIN right hand



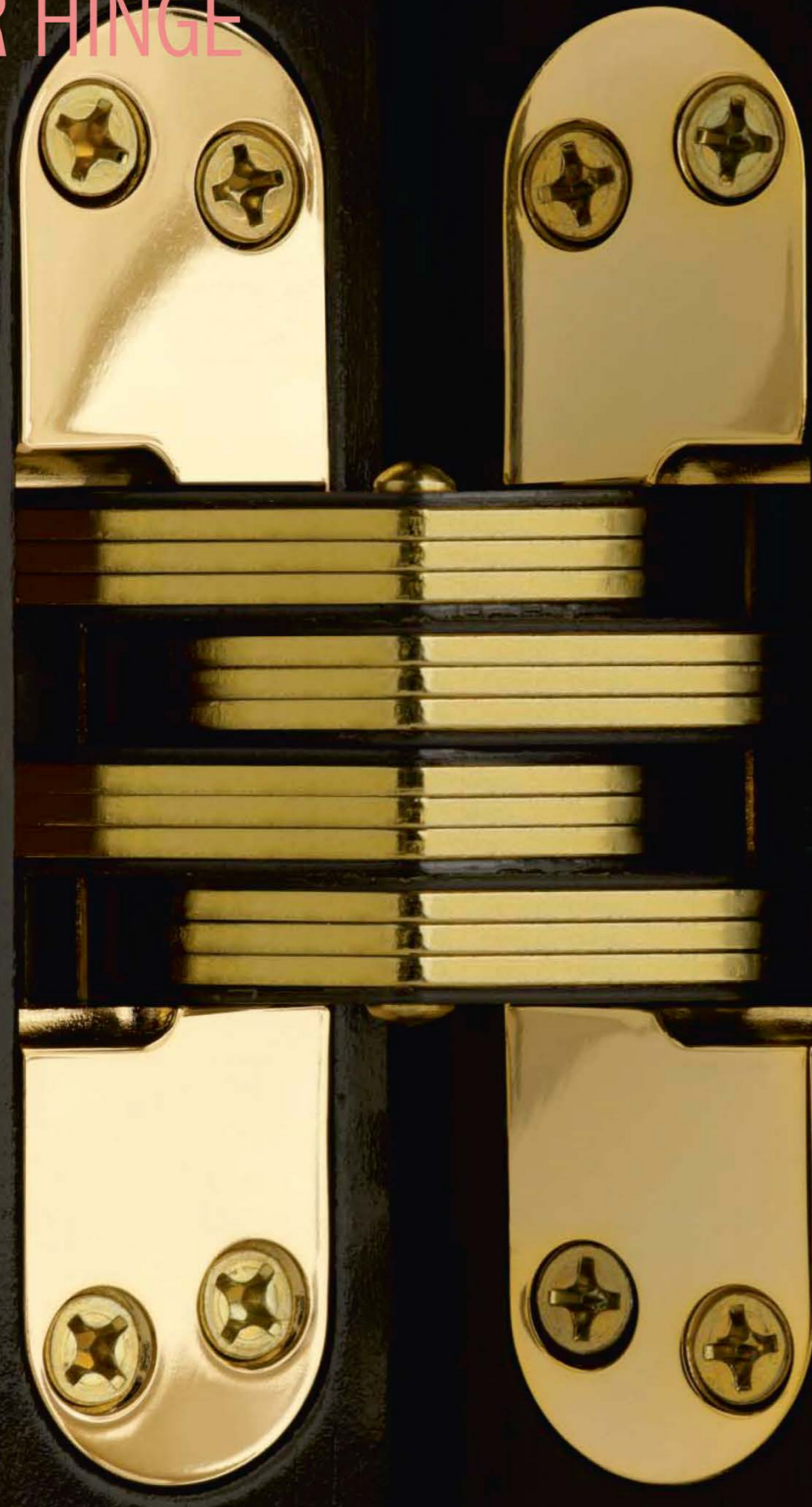
FLH-2K1PB Flag Hinge

- Material: 304stainless steel
- Door Weight: ≤60kg
- Opening Angel: ≤180°
- Dimension: (127×102)5"×4"×3mm
- Application: For Wood and metal doors
- Mounting: Screw fixed, Suitable for DIN left hand and DIN right hand



CONCEALED DOOR HINGE

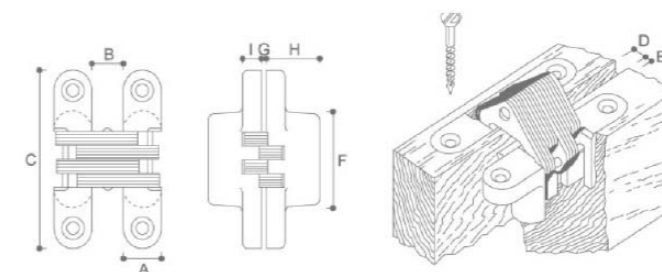
欧标隐藏铰链



IVH-10~50 Concealed Hinge

- Material: Zinc alloy, SUS201 Connector
- Opening Angel: $\leq 180^\circ$
- Feature: Concealed installation
- Mounting: Screw fixing, suitable for DIN left hand and DIN right hand

Product Model					
尺寸(mm)	IVH-10	IVH-20	IVH-30	IVH-40	IVH-50
A	13	19	25	28	34
B	8	12	18	21	27
C	60	95	117	117	138
D	3	4	6	9	12
E	3	4	6	6	7
F	30	51	66	64	74
G	0.8	1.2	1.5	1.4	1.6
H	17.5	27	36	41	51
I	6.2	9	12	9.5	11
Door thickness	20-29mm	30-44mm	35-44	45-50mm	>50mm
Bearing weight	10kg	20kg	30kg	40kg	50kg

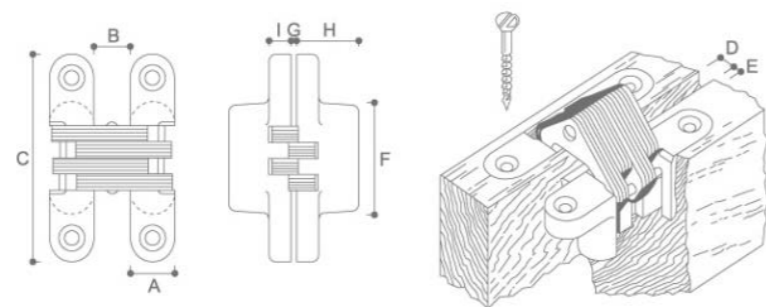




IVH-30~50-ST
Concealed Hinge

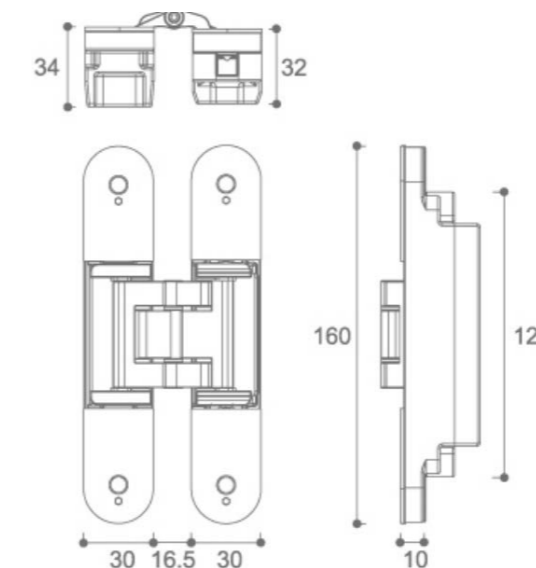
- Material: SUS304
- Opening Angel: $\leq 180^\circ$
- Feature: Concealed installation
- Mounting: Screw fixing, suitable for DIN left hand and DIN right hand

Product Model			
尺寸(mm)	IVH-30-ST	IVH-40-ST	IVH-50-ST
A	25	28	34
B	18	21	27
C	117	118	139
D	6	9	12
E	6	6	7
F	66	64	74
G	1.5	1.4	1.6
H	36	41	51
I	12	9.5	11
Door thickness	35-44	45-50	>50mm
Bearing weight	30 kg	40kg	50kg



IVH-120-ST-3D
3D Concealed Hinge

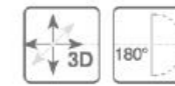
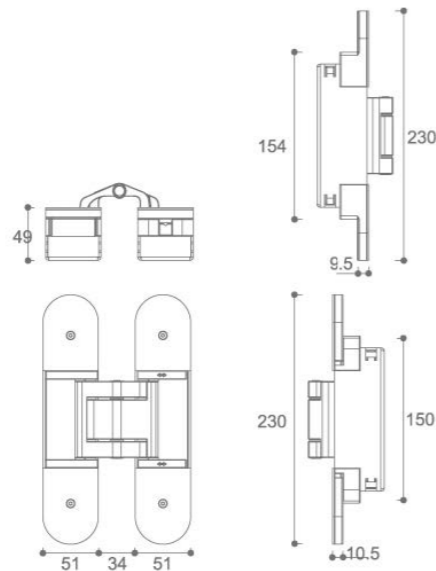
- Material: 304 stainless steel
- Door Weight: $\leq 120\text{kg}$
- Opening Angel: $\leq 180^\circ$
- Door Thickness: $>40\text{ mm}$
- Mounting: Screw fixing, suitable for DIN left hand and DIN right hand
- Feature: Concealed installation, continuously 3D adjustable, height, side and closing pressure $\pm 1\text{ mm}$





IVH-300-ST-3D
3D Concealed Hinge

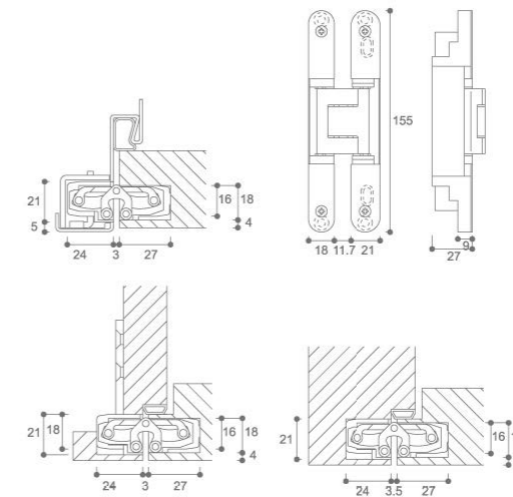
- Material: 304stainless steel
- Door Weight: ≤300kg
- Opening Angel: ≤180°
- Door Thickness: >40 mm
- Mounting: Screw fixing,suitable for DIN left hand and DIN right hand
- Feature: Concealed installation acts as vandal deterrent,continuously 3D adjustable,height, side and closing pressure ±1 mm



IVH-40-3D
3D Concealed Hinge

- Material: Zinc alloy
- Door Weight: ≤45kg with 2 door hinges, ≤60kg with 3 door hinges
- Opening Angel: ≤180°
- Door Thickness: ≥32 mm
- Mounting: Screw fixing,suitable for DIN left hand and DIN right hand
- Feature: Concealed installation acts as vandal deterrent,continuously 3D adjustable,height, side and closing pressure ±1 mm
- Finish: Accepted customize

	SCP		AB
	CP		AC
	PB		EB

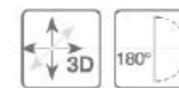
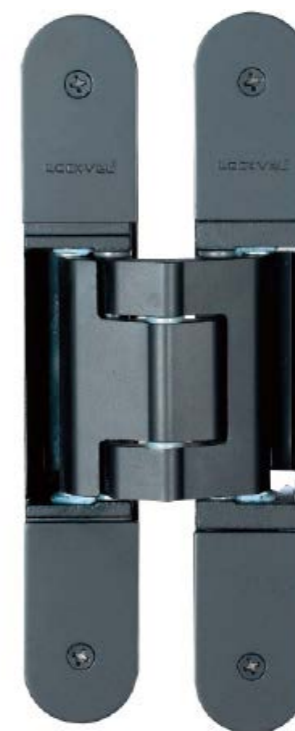
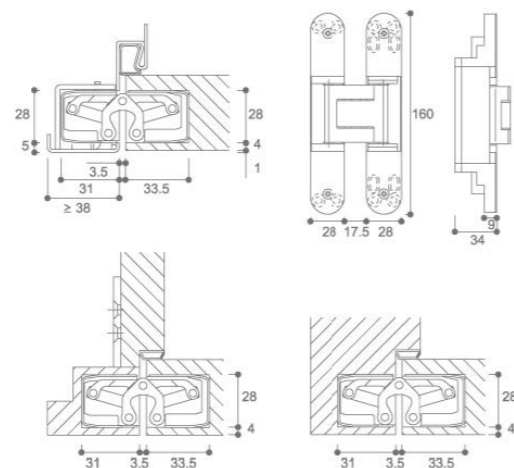




IVH-80-3D
3D Concealed Hinge

- Material: Zinc alloy
- Door Weight: ≤80kg with 2 hinges, ≤100kg with 3 hinges
- Opening Angel: ≤180°
- Door Thickness: >40 mm
- Mounting: Screw fixing,suitable for DIN left hand and DIN right hand
- Feature:Concealed installation acts as vandal deterrent,continuously 3D adjustable,height, side and closing pressure ±1 mm
- Finish: Accepted customize

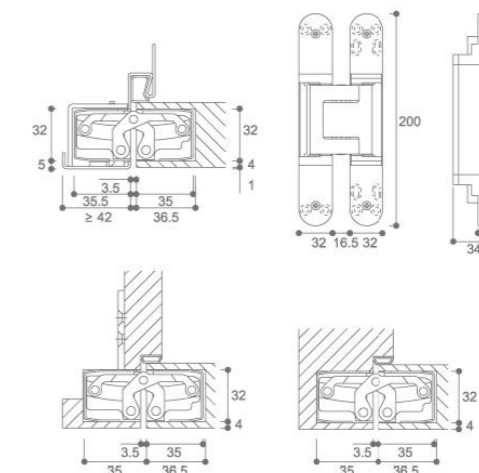
	SCP		AB
	CP		AC
	PB		EB



IVH-120-3D
3D Concealed Hinge

- Material: Zinc alloy
- Door Weight: ≤120kg
- Opening Angel: ≤180°
- Door Thickness: >40 mm
- Mounting: Screw fixing,suitable for DIN left hand and DIN right hand
- Feature: Concealed installation acts as vandal deterrent,continuously 3D adjustable,height, side and closing pressure ±1 mm
- Finish: Accepted customize

	SCP		AB
	CP		AC
	PB		EB



ANSI DOOR HINGE & PIVOT

美标铰链&门轴



ANSI Door hinge information pages

How are hinges configured according to ANSI A156.1

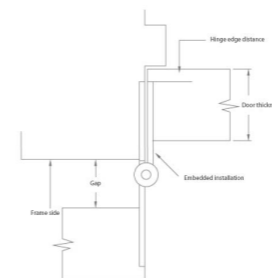
1. Select the appropriate hinge weight class and the number of bearings according to the actual situation;
Standard weight: 2 ball bearings;1.5 million open times;
Heavy duty: 4 ball bearings;2.5 million open times;

2. Select the appropriate hinge size according to the size of the door;

How to determine hinge height:

Door thickness (")	Door width (")	Hinge height (")	Hinge thickness (")
1 - 3/8"	≤ 36"	3-1/2"	0.123
1 - 3/8"	> 36"	4"	0.130
1 - 3/4"	≤ 36"	4-12"	0.134
1 - 3/4"	36"-48"	5"	0.134
1 - 3/4"	> 48"	6"	0.180
2"- 2"-1/2"	≤ 42"	5"	0.180

2.2 How to determine the width of hinge



(Door thickness-door edge distance)x2+required gap distance

If the measurement result is a non-standard size, the hinge with a size greater than and closest to that value is used

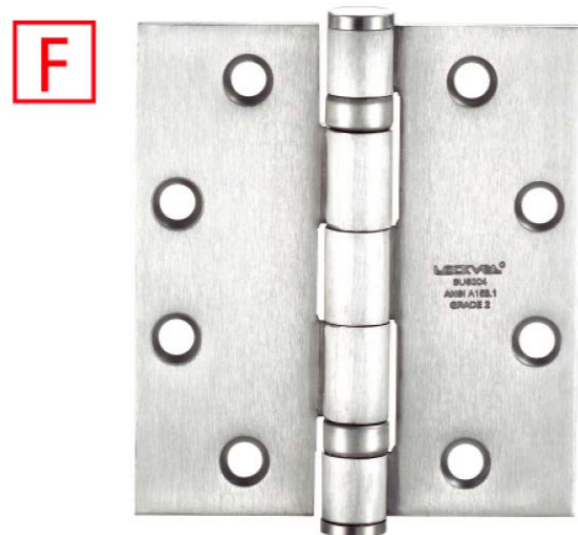
If the measurement result is a non-standard size, the hinge with a size greater than and closest to that value is used

Door thickness (")	Door backset (")	Gap distance (")	Hinge width (")
1 - 3/8"(35 mm)	(1/4)*(6.4 mm)	1 - 1/4"(32 mm)	3 - 1/2"(89 mm)
		1 - 3/4"(45 mm)	4" (102 mm)
1 - 3/4"(45 mm)	(1/4)*(6.4 mm)	1" (25 mm)	4" (102 mm)
		1 - 1/2"(38 mm)	4 - 1/2"(114 mm)
		2" (51 mm)	5" (127 mm)
		3" (76 mm)	6" (152 mm)
2" (51 mm)	(1/4)*(6.4 mm)	1" (25 mm)	4 - 1/2"(114 mm)
		1 - 1/2"(38 mm)	5" (127 mm)
		2 - 1/2"(64 mm)	6" (152 mm)
2 - 1/4"(56 mm)	(1/4)*(6.4 mm)	1" (25 mm)	5" (127 mm)
		2" (51 mm)	6" (152 mm)
2 - 1/6"(64 mm)	3/8"(9.5 mm)	3/4"(19 mm)	5" (127 mm)
		1 - 3/4"(45 mm)	6" (152 mm)

2.3 How to determine the number of hinges

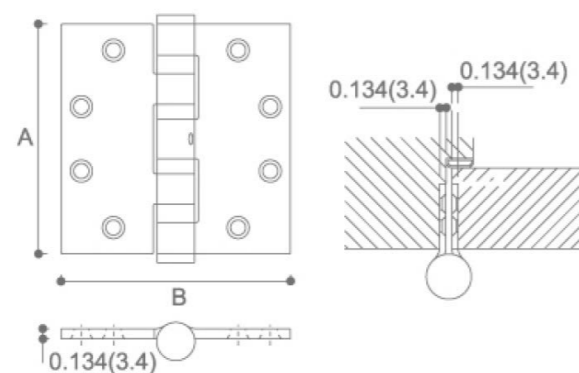
Door height (mm)	Hinge quantity
Less than 60" (1524mm)	2pcs
Between 60" (1524mm)to 90" (2286mm)	3pcs
More than 90" (2286mm)	4pcs

When the door is more than 36-48 "wide, a hinge is needed to increase the bearing capacity. When the height of the door exceeds 60 ", 1 piece of hinge shall be added for every 30 "increase in the height of the door



5K2BB-ANSI
ANSI Mortise Hinge

- Material: 304 stainless steel
- Mounting: 2 ball bearings
- Options: NRP, Non-Removeable pin, packed with wood and machine screws
- Application: Heavy weight doors at interior high traffic areas
- Agency Certification: Approved ANSI 156.1, 1.5million times. passed 1.5h fire modality test according to the requirement of China GB-12955-2008



Product Parameter

Dimension(AxBmm)	ANSI Finish	Bearings
4 1/2"(114)x4"(102)	630(US32D) Satin stianless steel	2BB
4 1/2"(114)x4 1/2"(114)	630(US32D) Satin stianless steel	2BB

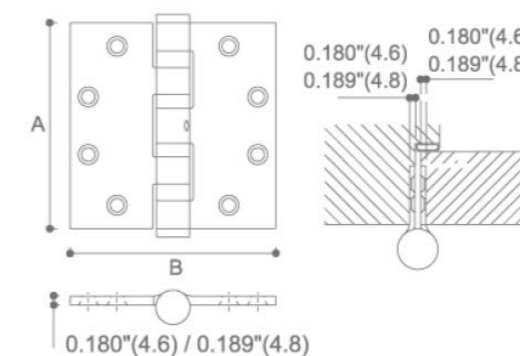
Product Model

Removable Pin	Non-Removable Pin
5K2BB-4.5x4x3.4-US32	5K2BB-4.5x4x3.4-NRP-US32D
5K2BB-4.5x4.5x3.4-US32D	5K2BB-4.5x4.5x3.4-NRP-US32D



5K4BB-ANSI
ANSI Full Mortise Hinge

- Material: 304 stainless steel
- Mounting: 4 ball bearing
- Options: NRP, Non-Removeable pin, packed with wood and machine screws
- Application: Heavy weight doors at interior high traffic areas
- Agency Certification: Approved ANSI 156.1, 1.5million times. passed 1.5h fire modality test according to the requirement of China GB-12955-2008



Product Parameter

Dimension (AxB)mm	ANSI Finish	Bearing
4 1/2"(114)× 4"(102)	630(US32D)Satin stainless steel	4BB
4 1/2"(114)× 4 1/2"(114)	630(US32D)Satin stainless steel	4BB
5"(127)× 4 1/2"(114)	630(US32D)Satin stainless steel	4BB
5"(127)× 5"(127)	630(US32D)Satin stainless steel	4BB

Product Model

Removable-Pin	Non-removable-Pin
5K4BB-4.5× 4× 4.6-US32D	5K4BB-4.5× 4× 4.6-NRP-US32D
5K4BB-4.5× 4.5× 4.6-US32D	5K4BB-4.5× 4.5× 4.6-NRP-US32D
5K4BB-5× 4.5× 4.8-US32D	5K4BB-5× 4.5× 4.8-NRP-US32D
5K4BB-5× 5× 4.8-US32D	5K4BB-5× 5× 4.8-NRP-US32D

7200 Series heavy pivot

Top pivot



F

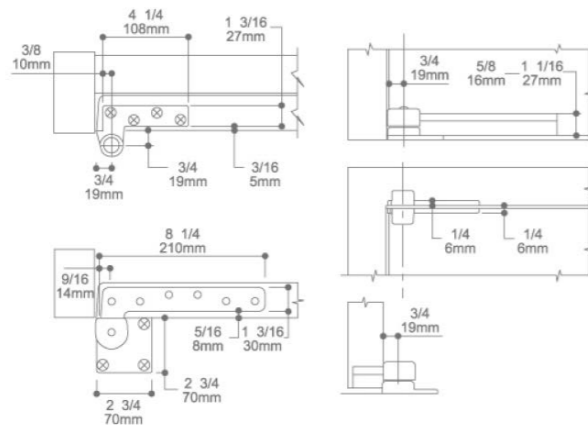
Bottom pivot



PV7261

Offset Hung Pivot Sets

- Material: 304 stainless steel
- Mounting: Non-handed
- Finish: 630(US32D)Satin
- Door Thickness: 1-3 / 4"(44mm)
- Weight Capacity: Up to 705lb(320kg)
- PV7261 included top and bottom set
- Application: For interior and exterior fire rated doors
- Vertical Adjustment: Range of 3/16" (5mm), which includes a positive locking feature
- Agency certification: Passed GB12955-2008, 2 million times, 90 minutes grade A fire proof detection.



F



PV7265

Intermediate Pivot

- Material: 304 stainless steel
- Weight Capacity: Up to 198 lb(90 kg)
- Version: Heavy-duty needle bearing
- Mounting: For DIN left hand or DIN right hand use
- Offset: Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door
- Application: Required to maintain door alignment on offset pivot and floor closer applications

